

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056874.D
 Acq On : 23 Jul 2019 13:23
 Operator : JC/SP
 Sample : VN0723WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 1:14:04 PM

Quant Time: Jul 24 01:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	339713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	517986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	454663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	187618	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	167127	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.09	98	636340	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	202750	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86266	20.509	ug/l	100
3) Chloromethane	2.06	50	99872	21.065	ug/l	99
4) Vinyl Chloride	2.19	62	94110	21.607	ug/l	100
5) Bromomethane	2.55	94	54828	20.696	ug/l	99
6) Chloroethane	2.70	64	49578	20.771	ug/l	100
7) Trichlorofluoromethane	3.01	101	110965	20.854	ug/l	99
8) Diethyl Ether	3.40	74	41169	20.765	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68868	20.928	ug/l	98
10) Methyl Iodide	3.94	142	91769	19.914	ug/l	99
11) Tert butyl alcohol	4.81	59	59928	116.423	ug/l	97
12) 1,1-Dichloroethene	3.73	96	68444	20.761	ug/l	97
13) Acrolein	3.60	56	37877	88.437	ug/l	100
14) Allyl chloride	4.32	41	111229	20.522	ug/l	100
15) Acrylonitrile	4.99	53	167922	108.415	ug/l	100
16) Acetone	3.82	43	139572	106.963	ug/l	96
17) Carbon Disulfide	4.04	76	177638	19.742	ug/l	100
18) Methyl Acetate	4.33	43	95932	21.378	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	203897	20.934	ug/l	97
20) Methylene Chloride	4.55	84	79999	20.503	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	71335	20.715	ug/l	93
22) Diisopropyl ether	5.96	45	237062	21.635	ug/l	98
23) Vinyl Acetate	5.90	43	836667	105.707	ug/l	100
24) 1,1-Dichloroethane	5.84	63	134443	21.178	ug/l	99
25) 2-Butanone	6.84	43	210669	109.838	ug/l	99
26) 2,2-Dichloropropane	6.82	77	95369	21.469	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	81694	20.693	ug/l	98
28) Bromochloromethane	7.19	49	59533	20.659	ug/l	100
29) Tetrahydrofuran	7.22	42	144096	109.271	ug/l	99
30) Chloroform	7.37	83	132854	20.876	ug/l	97
31) Cyclohexane	7.65	56	124913	20.281	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	108166	21.010	ug/l	99
36) 1,1-Dichloropropene	7.79	75	97567	20.425	ug/l	99
37) Ethyl Acetate	6.93	43	85256	22.132	ug/l	99
38) Carbon Tetrachloride	7.77	117	92182	20.271	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	122024	20.414	ug/l	99
40) Benzene	8.04	78	308894	20.818	ug/l	100
41) Methacrylonitrile	7.17	41	41813	21.861	ug/l	94
42) 1,2-Dichloroethane	8.12	62	98621	21.272	ug/l	99
43) Isopropyl Acetate	8.17	43	138609	20.931	ug/l	99
44) Trichloroethene	8.83	130	82878	20.855	ug/l	99
45) 1,2-Dichloropropane	9.12	63	82420	20.619	ug/l	98
46) Dibromomethane	9.21	93	51309	20.796	ug/l	99
47) Bromodichloromethane	9.40	83	97883	21.096	ug/l	96
48) Methyl methacrylate	9.20	41	70772	21.363	ug/l	98
49) 1,4-Dioxane	9.20	88	28010	431.044	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	426890	108.099	ug/l	100
52) Toluene	10.15	92	188460	21.107	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98998	20.789	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	115755	20.619	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	74659	21.067	ug/l	99
56) Ethyl methacrylate	10.43	69	105283	21.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	121993	20.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	203796	91.674	ug/l	100
59) 2-Hexanone	10.75	43	293585	107.403	ug/l	99
60) Dibromochloromethane	10.90	129	75800	21.315	ug/l	98
61) 1,2-Dibromoethane	11.00	107	74932	21.290	ug/l	98
64) Tetrachloroethene	10.63	164	85155	21.832	ug/l	98
65) Chlorobenzene	11.43	112	198541	21.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73998	20.774	ug/l	99
67) Ethyl Benzene	11.51	91	342961	21.027	ug/l	99
68) m/p-Xylenes	11.62	106	257923	42.239	ug/l	100
69) o-Xylene	11.94	106	124297	20.852	ug/l	97
70) Styrene	11.96	104	203898	19.809	ug/l	99
71) Bromoform	12.12	173	51312	20.787	ug/l #	100
73) Isopropylbenzene	12.25	105	331135	21.975	ug/l	100
74) N-amyl acetate	12.07	43	107950	20.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	99558	23.386	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82616m	21.993	ug/l	
77) Bromobenzene	12.53	156	87013	22.008	ug/l	99
78) n-propylbenzene	12.59	91	357703	21.470	ug/l	99
79) 2-Chlorotoluene	12.67	91	218957	22.136	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	278330	21.969	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25284	21.558	ug/l	97
82) 4-Chlorotoluene	12.77	91	204647	20.646	ug/l	99
83) tert-Butylbenzene	12.99	119	241988	22.130	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	270985	21.580	ug/l	99
85) sec-Butylbenzene	13.17	105	310028	21.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	275730	20.974	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	132324	20.879	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124840	20.276	ug/l	99
89) n-Butylbenzene	13.61	91	210532	20.829	ug/l	100
90) Hexachloroethane	13.87	117	47558	20.721	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	135250	21.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14134	20.379	ug/l	97

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Instrument :
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ClientSampleId :
VN0723WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:46:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52668	18.242	ug/l	98
94) Hexachlorobutadiene	15.00	225	49381	21.773	ug/l	99
95) Naphthalene	15.13	128	137904	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60621	18.953	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

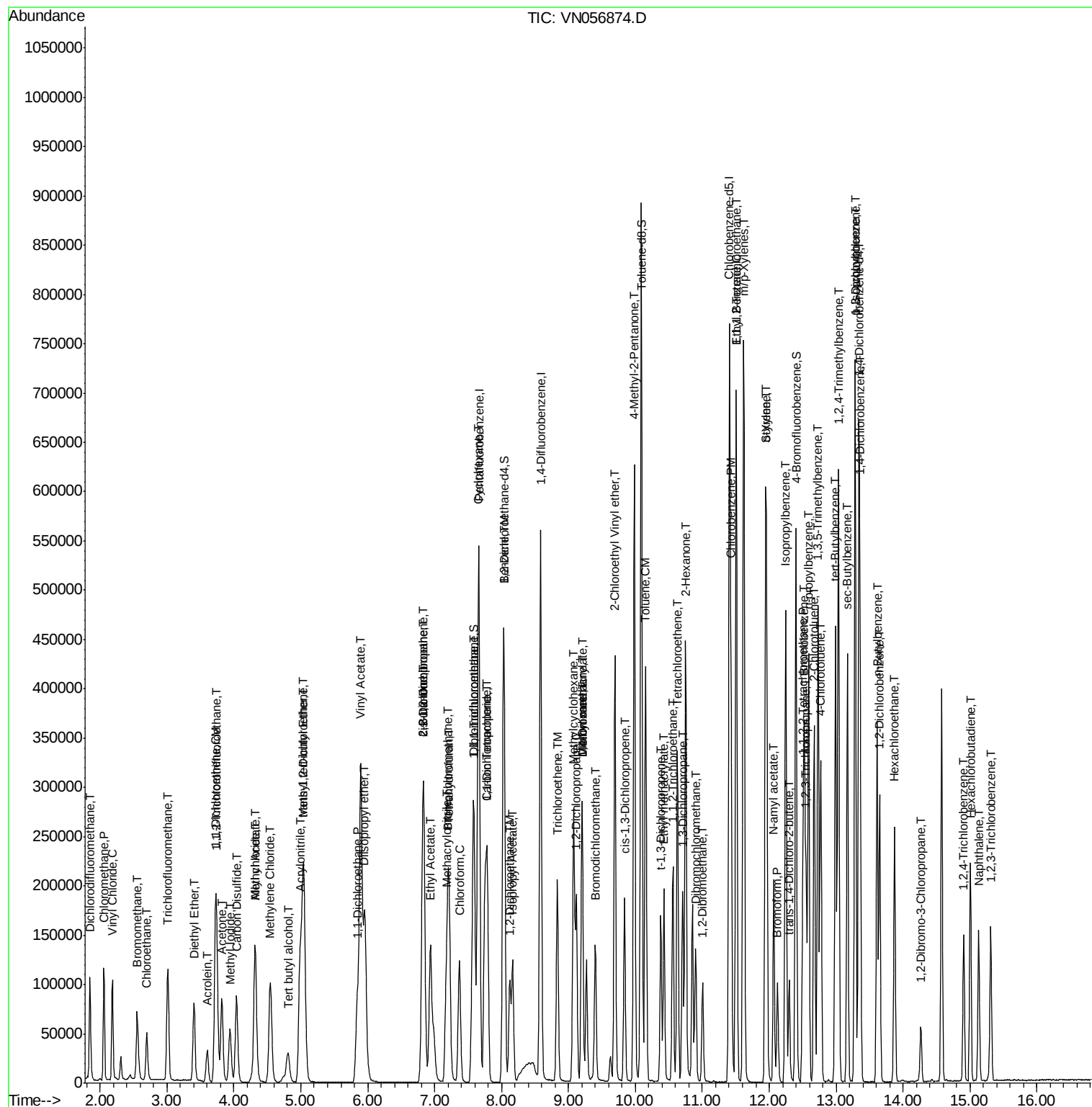
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
Data File : VN056874.D
Acq On : 23 Jul 2019 13:23
Operator : JC/SP
Sample : VN0723WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

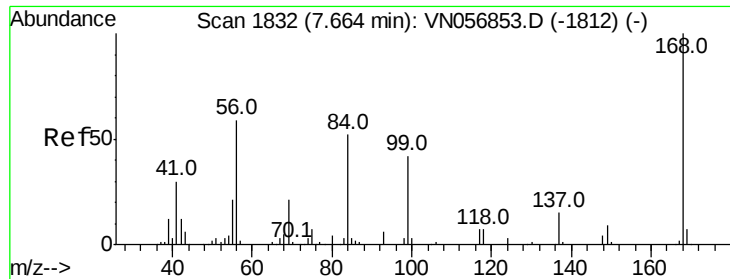
Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion:168 Resp: 339713

Ion Ratio Lower Upper

168 100

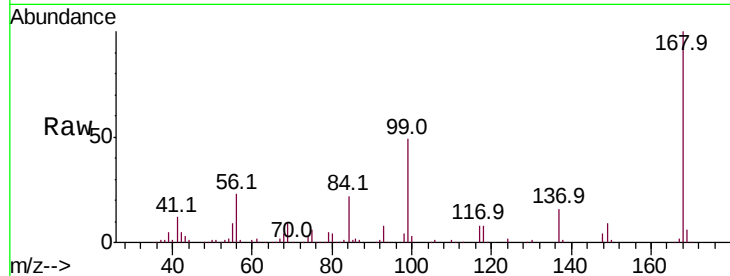
99 49.3 40.9 61.3

Manual Integrations

APPROVED

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7/24/2019 1:14:04 PM



Abundance Ion 167.90 (167.60 to 168.60): VN056853.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN056853.D (-1812) (-)

7.66

150000

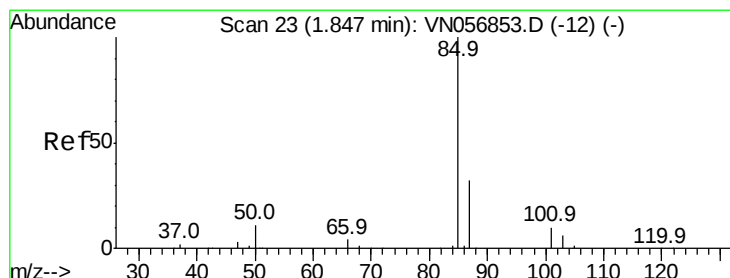
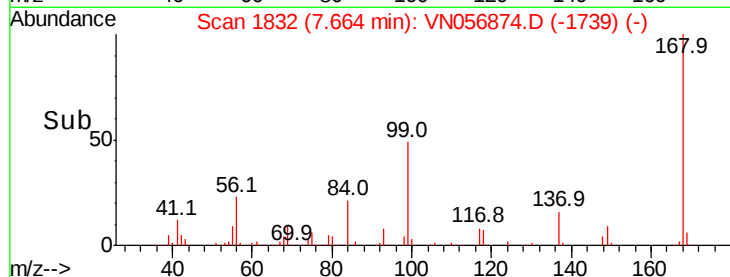
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.509 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056874.D

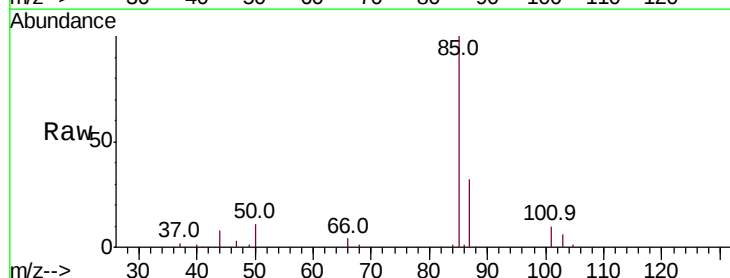
Acq: 23 Jul 2019 13:23

Tgt Ion: 85 Resp: 86266

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056853.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056853.D (-12) (-)

1.85

60000

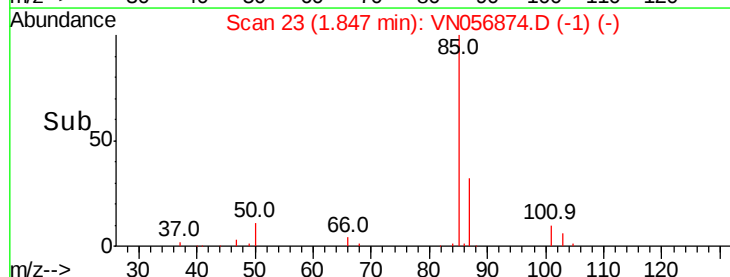
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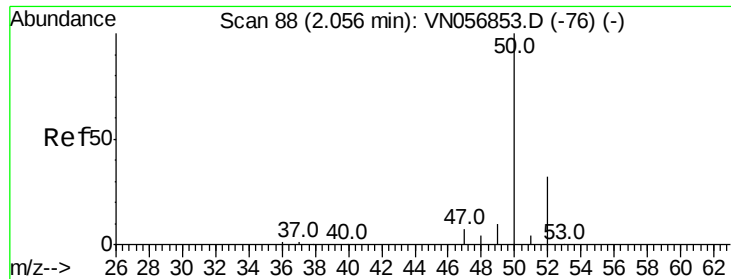
20000

0

1.80 1.85 1.90 1.95

Time-->





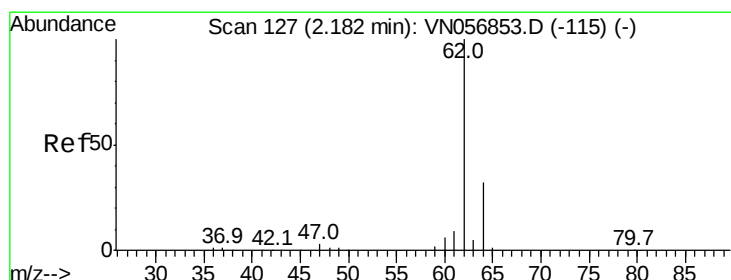
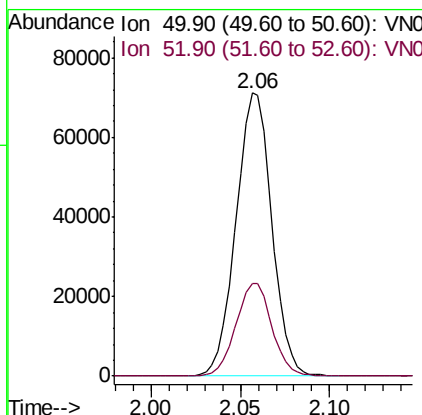
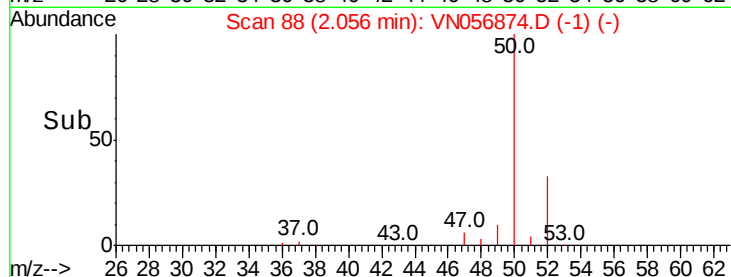
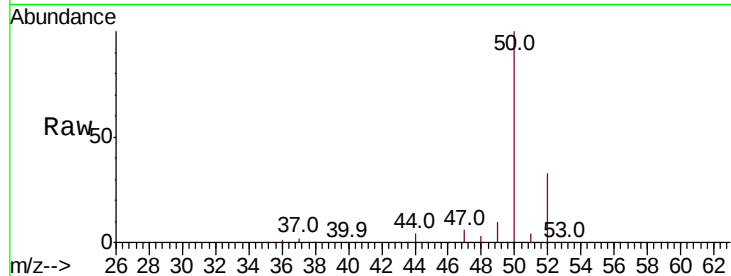
#3
Chloromethane
Concen: 21.065 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion: 50 Resp: 99872
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9

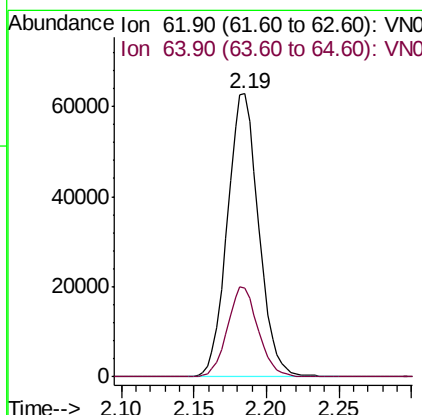
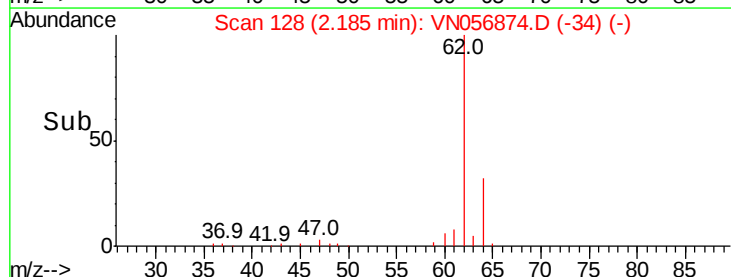
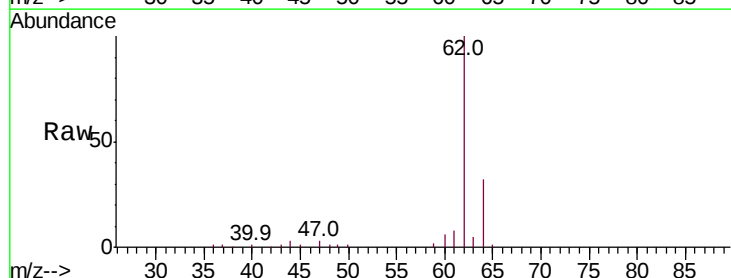
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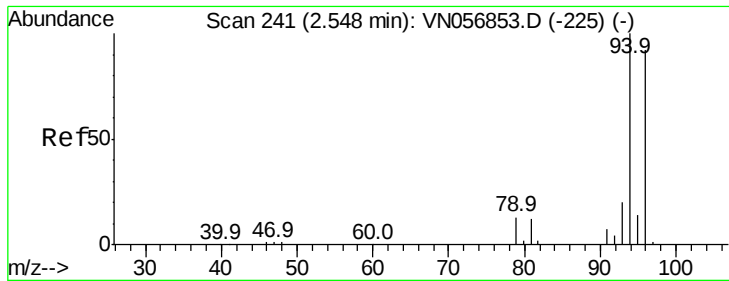
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#4
Vinyl Chloride
Concen: 21.607 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion: 62 Resp: 94110
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.2





#5

Bromomethane

Concen: 20.696 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 94 Resp: 54828

Ion Ratio Lower Upper

94 100

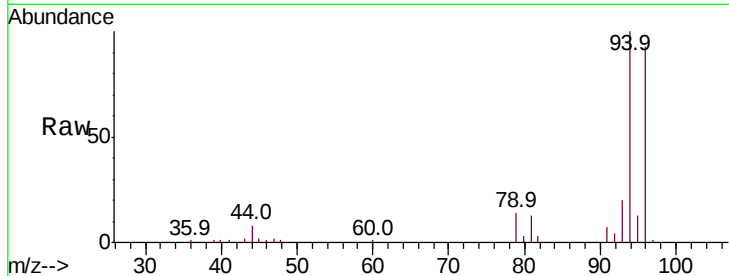
96 93.3 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

25000

20000

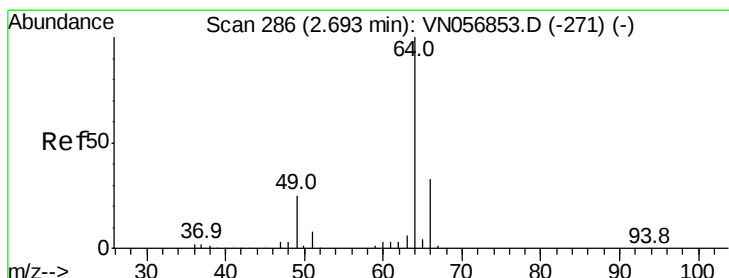
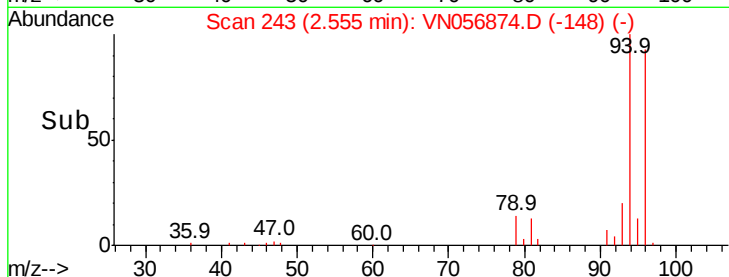
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.771 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056874.D

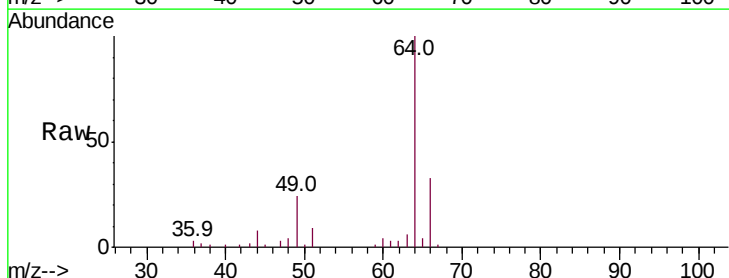
Acq: 23 Jul 2019 13:23

Tgt Ion: 64 Resp: 49578

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

25000

20000

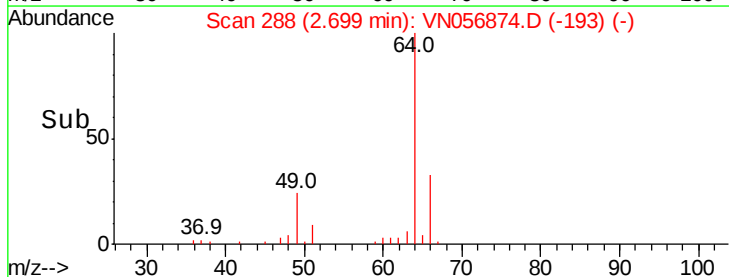
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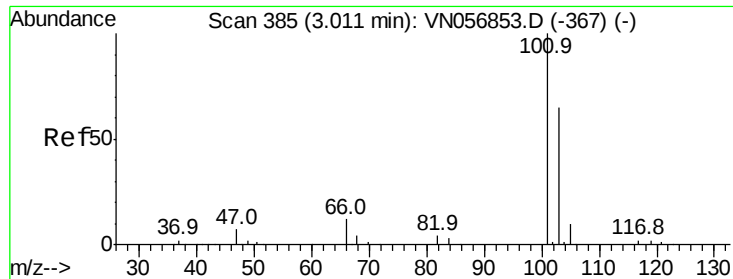
10000

5000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#7

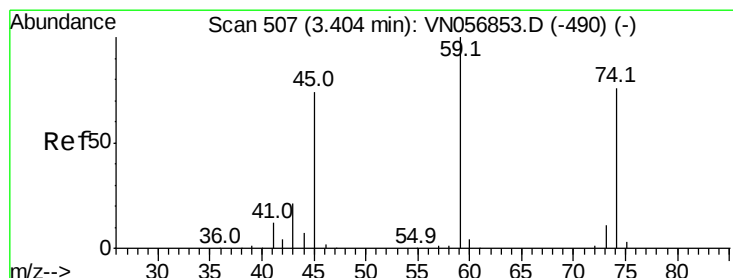
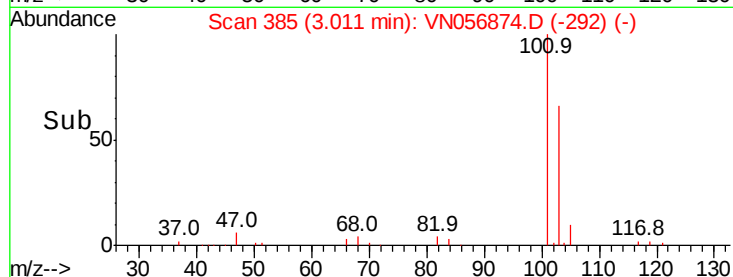
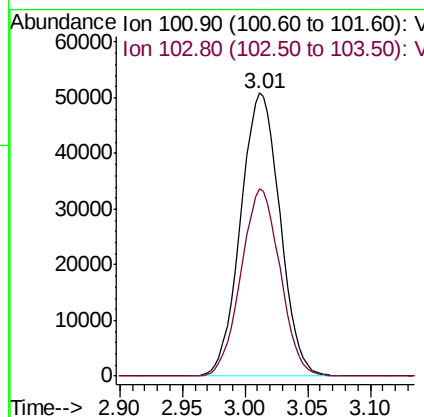
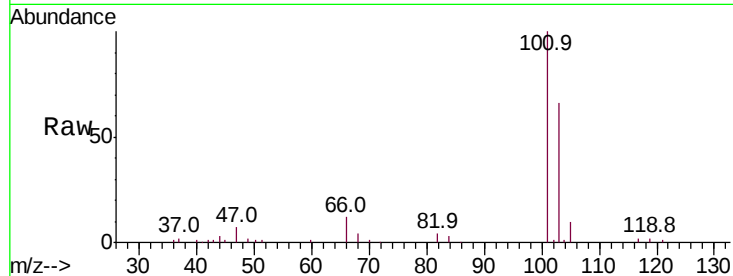
Trichlorofluoromethane
Concen: 20.854 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion:101 Resp: 110965
Ion Ratio Lower Upper
101 100
103 66.1 52.3 78.5

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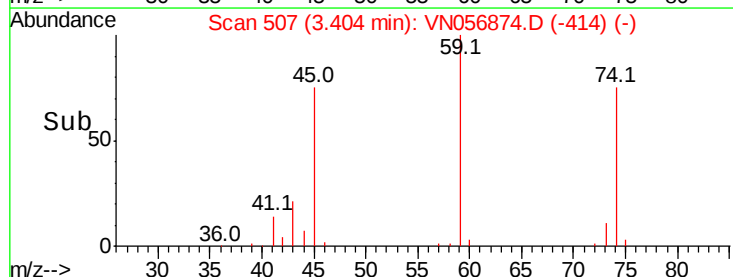
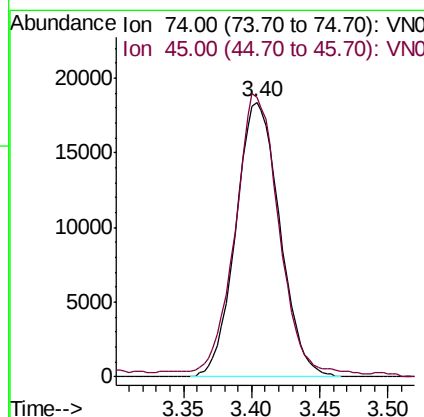
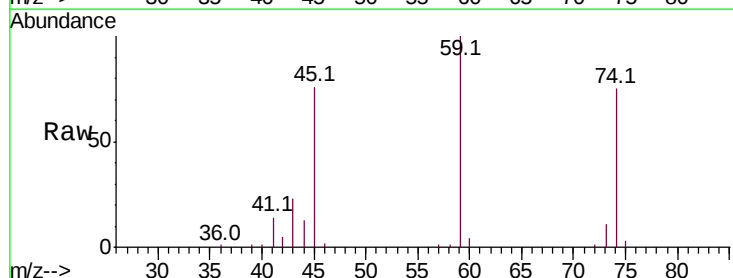
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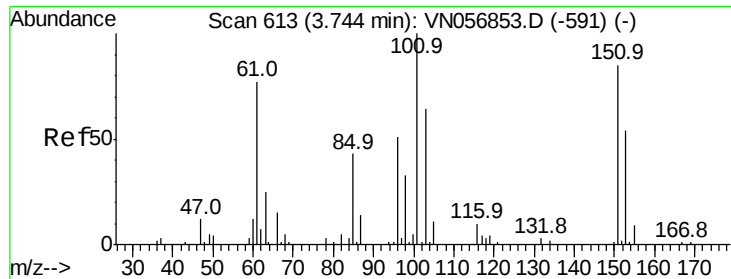


#8

Diethyl Ether
Concen: 20.765 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion: 74 Resp: 41169
Ion Ratio Lower Upper
74 100
45 100.2 49.2 147.6





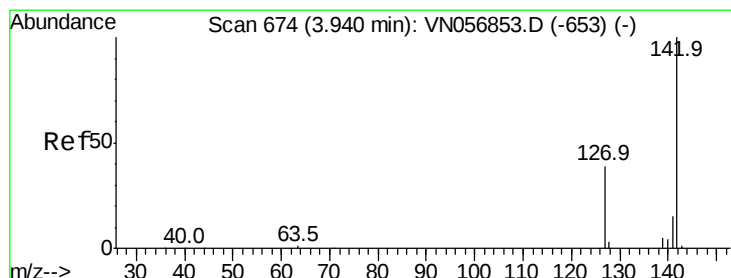
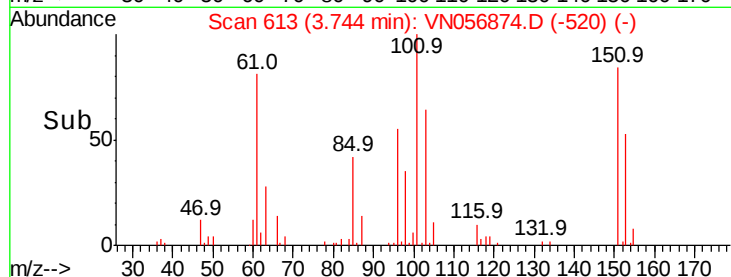
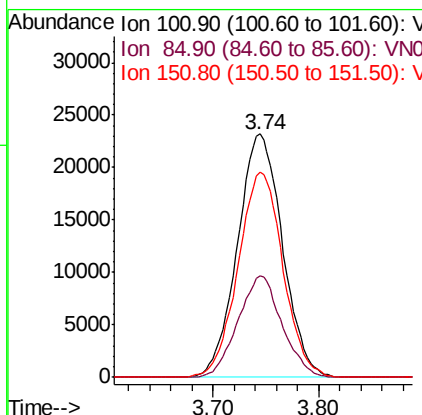
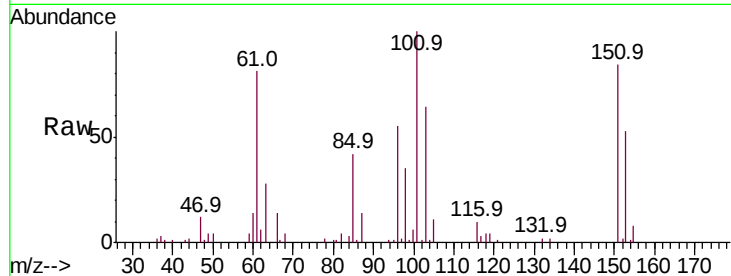
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.928 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.6	33.7	50.5
151	83.9	68.1	102.1

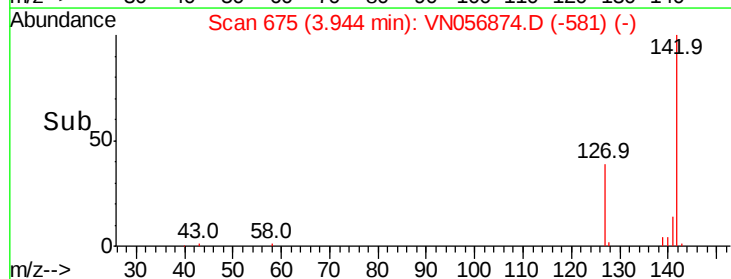
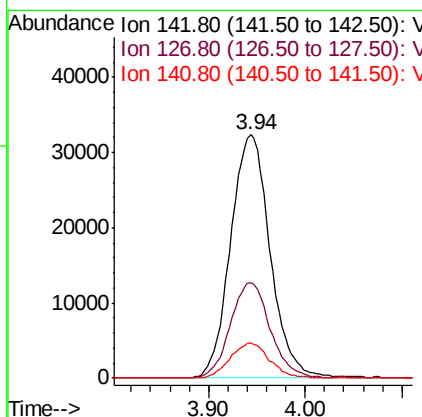
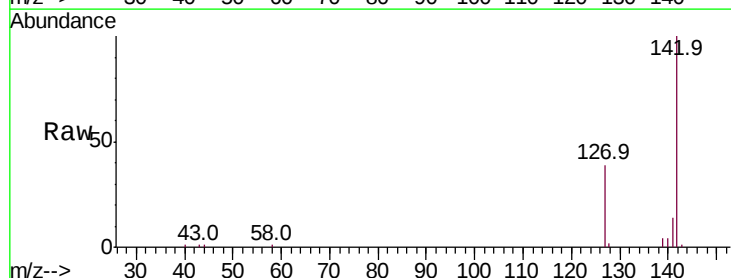
Manual Integrations
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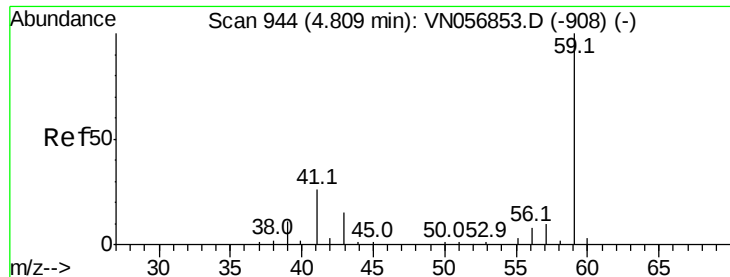
MMDadoda
 7/24/2019 1:14:04 PM



#10
 Methyl Iodide
 Concen: 19.914 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.6	31.2	46.8
141	14.3	11.4	17.2





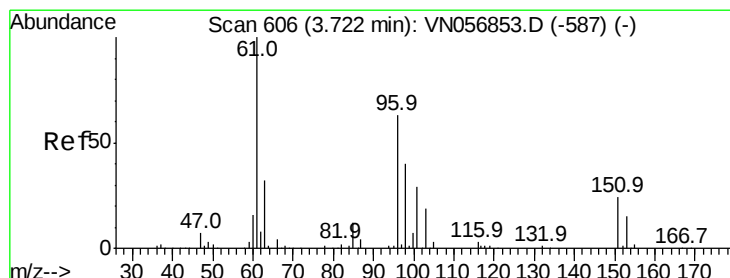
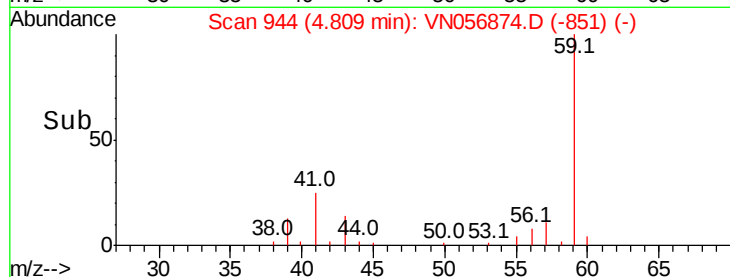
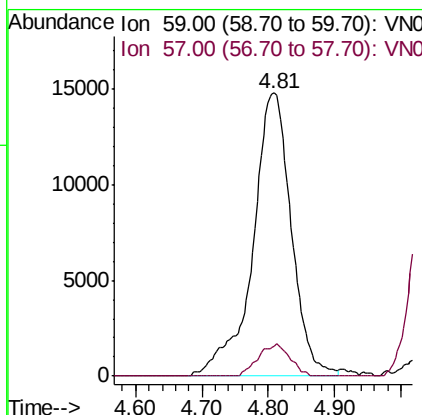
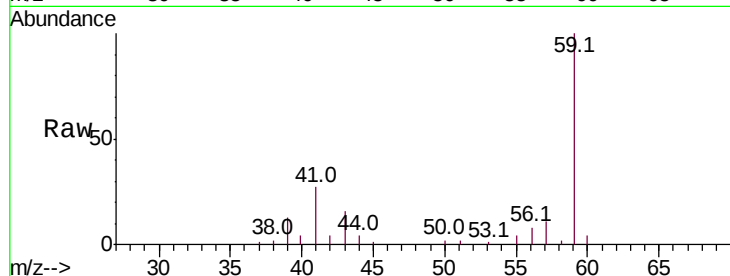
#11
Tert butyl alcohol
Concen: 116.423 ug/l
RT: 4.81 min Scan# 944
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.2	12.4

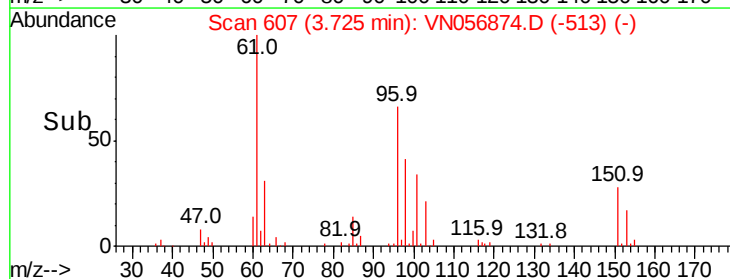
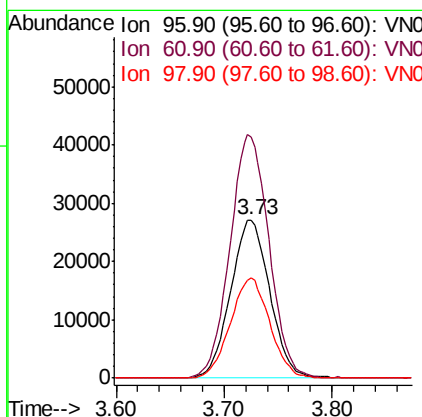
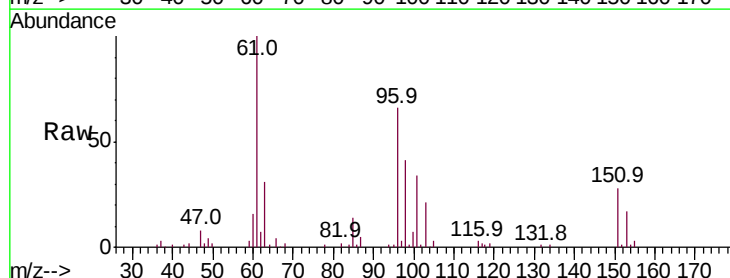
Manual Integrations
APPROVED

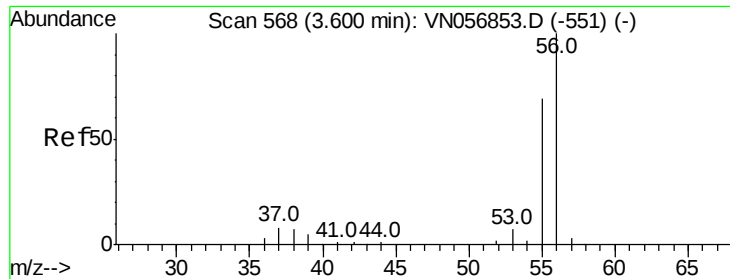
MMDadoda
7/24/2019 1:14:04 PM



#12
1,1-Dichloroethene
Concen: 20.761 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	126.3	189.5
98	63.3	51.0	76.4





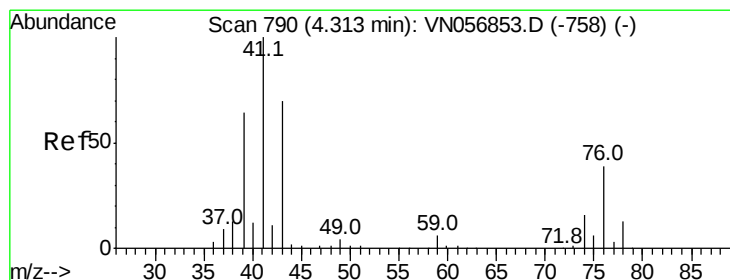
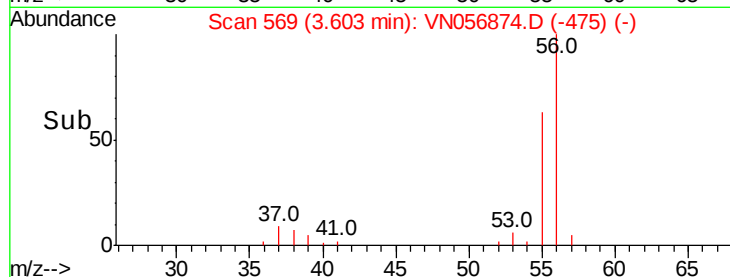
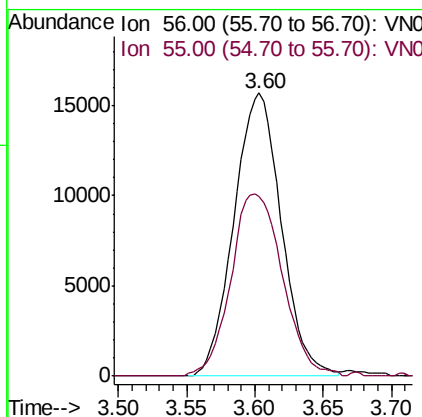
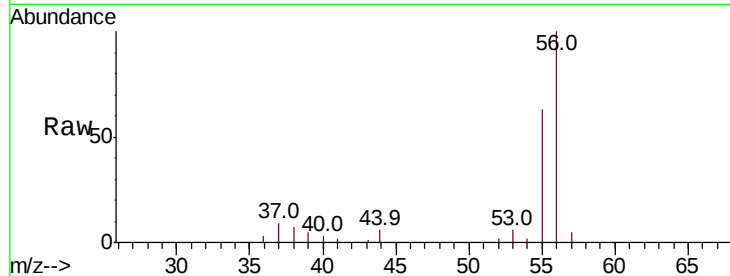
#13
Acrolein
Concen: 88.437 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion: 56 Resp: 37877
Ion Ratio Lower Upper
56 100
55 70.0 56.2 84.4

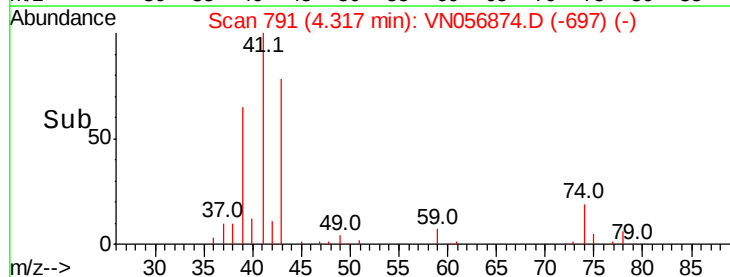
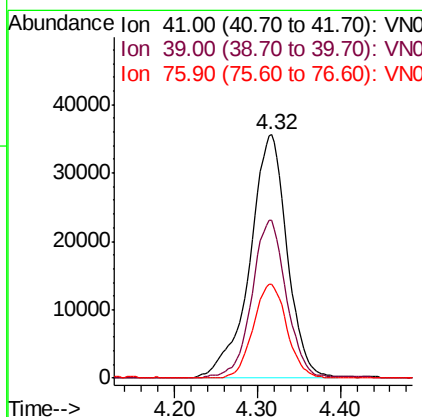
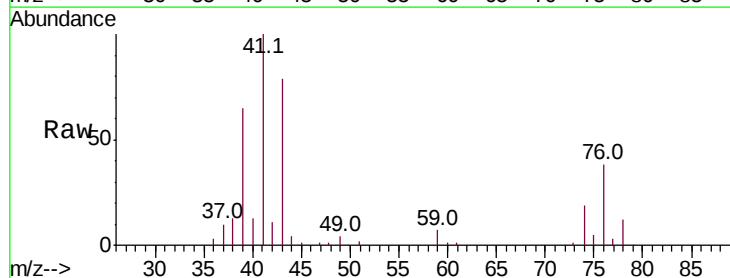
Manual Integrations
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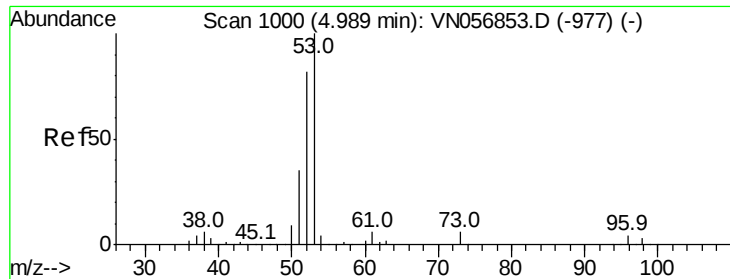
MMDadoda
7/24/2019 1:14:04 PM



#14
Allyl chloride
Concen: 20.522 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion: 41 Resp: 111229
Ion Ratio Lower Upper
41 100
39 60.1 47.8 71.6
76 34.7 27.9 41.9





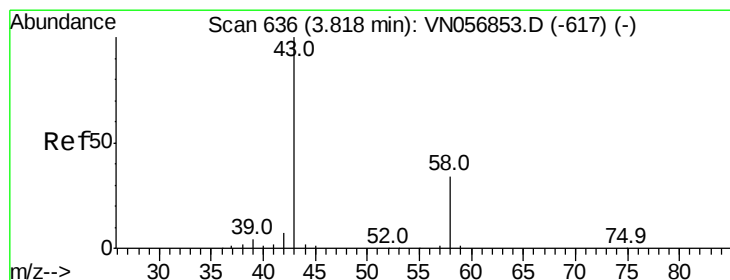
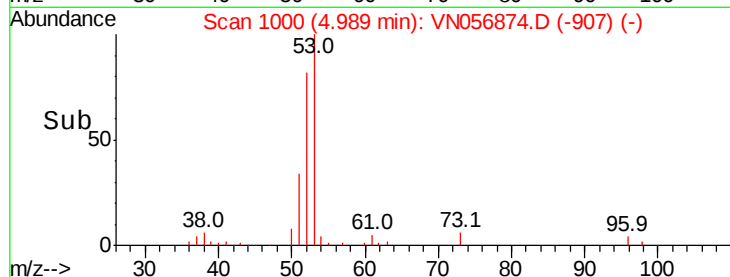
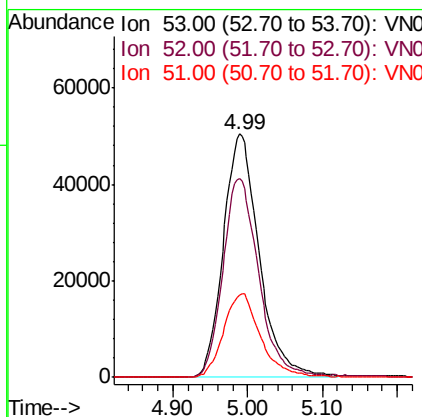
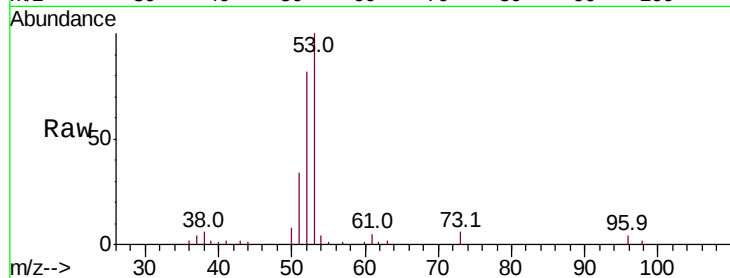
#15
 Acrylonitrile
 Concen: 108.415 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.0	97.6
51	35.4	28.2	42.2

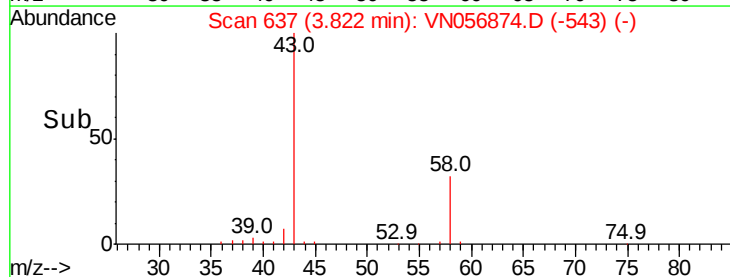
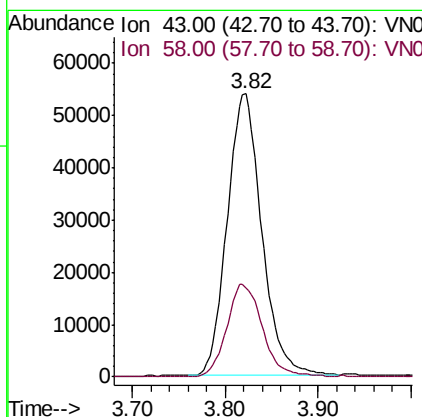
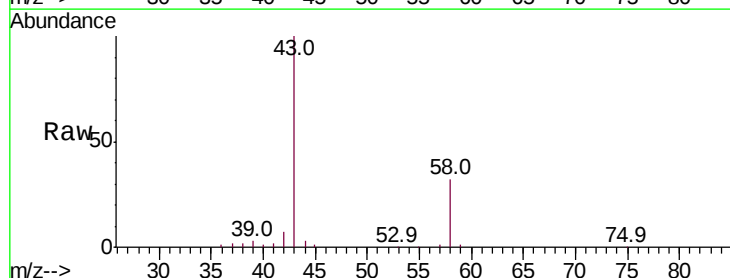
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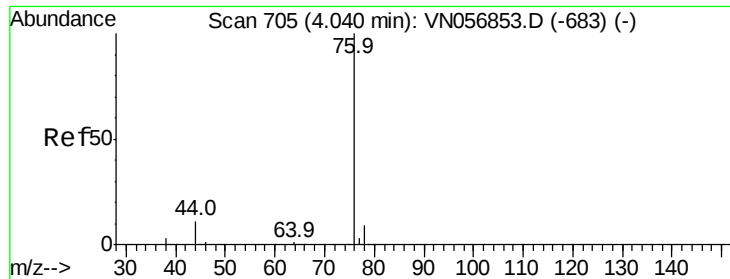
MMDadoda
 7/24/2019 1:14:04 PM



#16
 Acetone
 Concen: 106.963 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.3	40.9





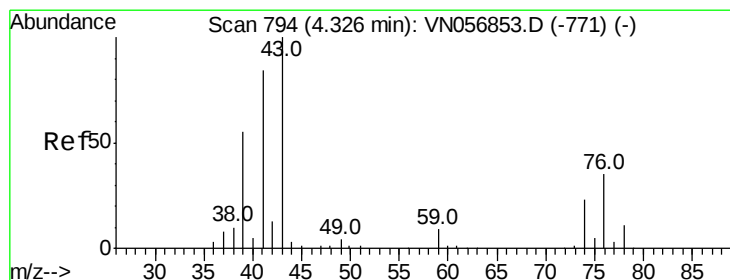
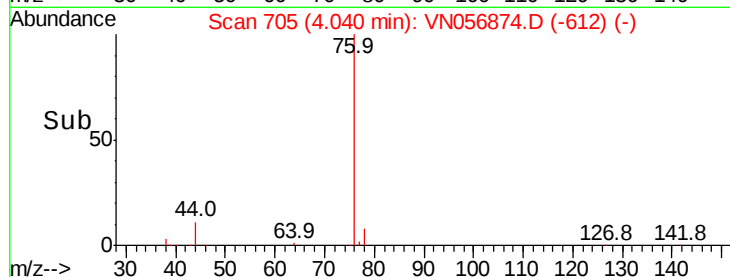
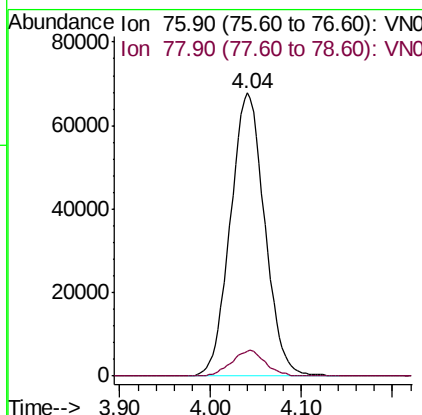
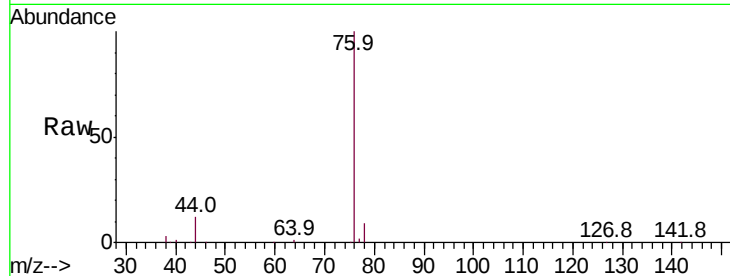
#17
Carbon Disulfide
Concen: 19.742 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

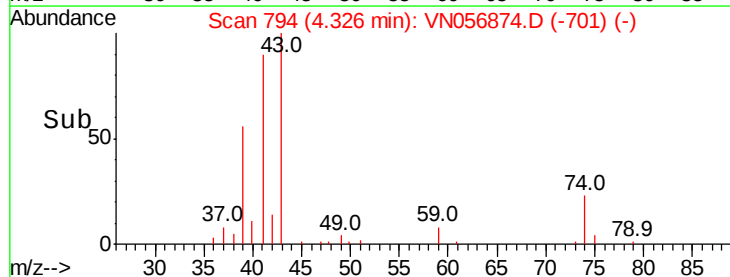
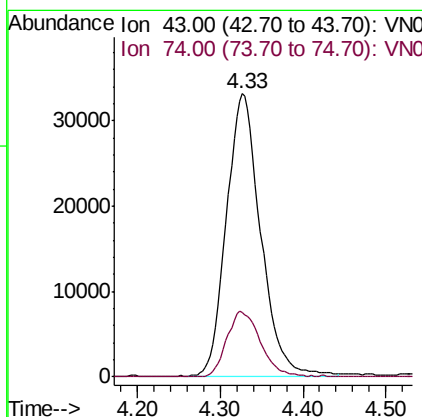
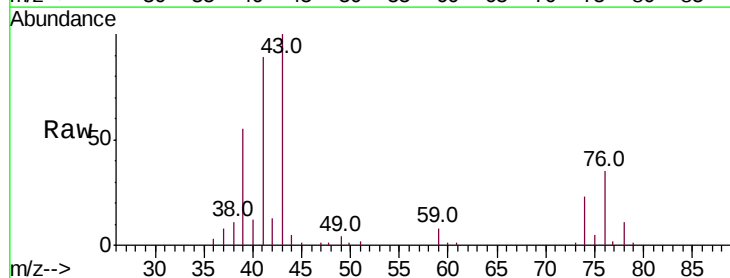
Manual Integrations
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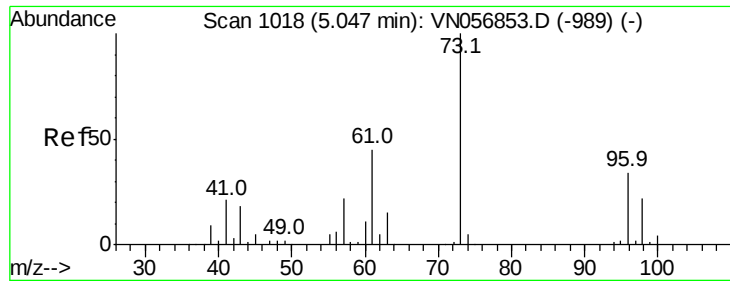
MMDadoda
7/24/2019 1:14:04 PM



#18
Methyl Acetate
Concen: 21.378 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.0	28.4





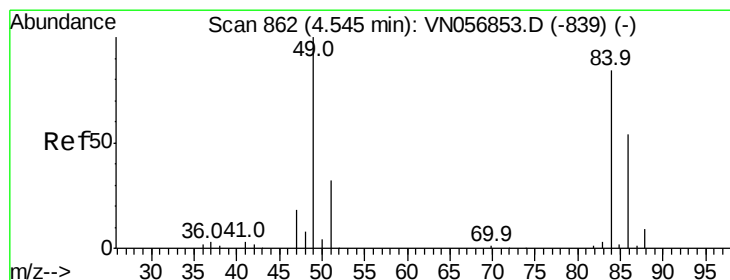
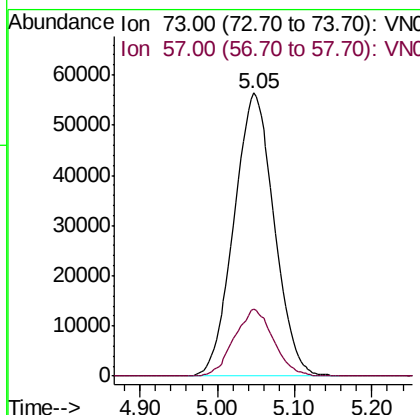
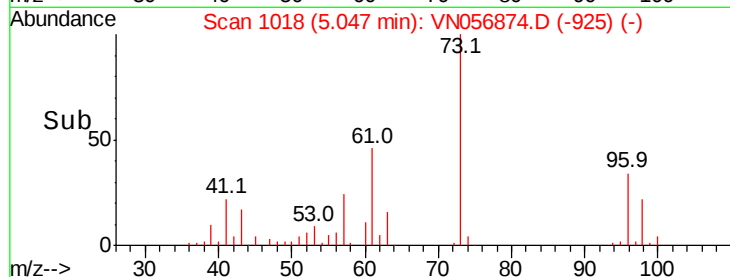
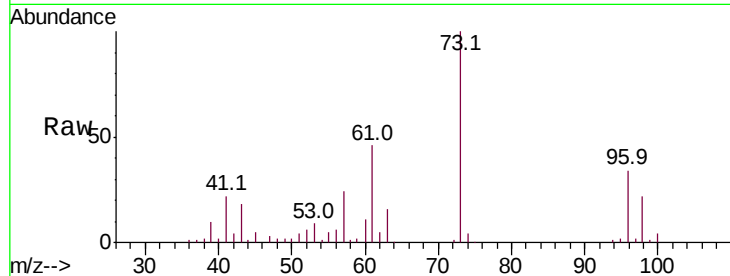
#19
Methyl tert-butyl Ether
Concen: 20.934 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion: 73 Resp: 203897
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0

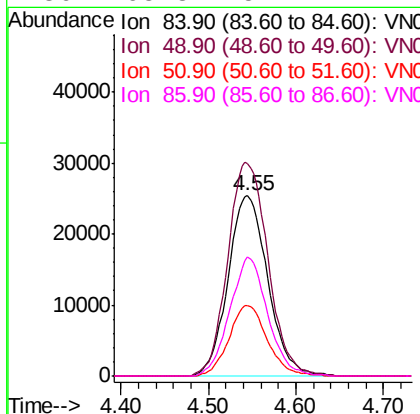
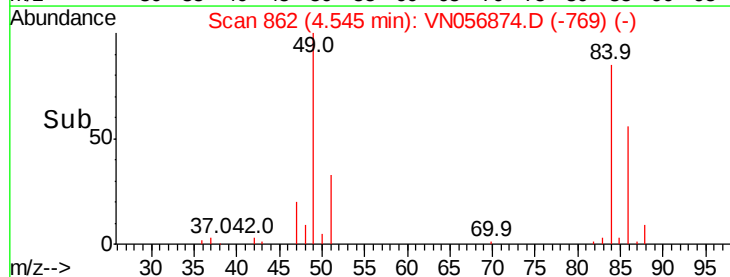
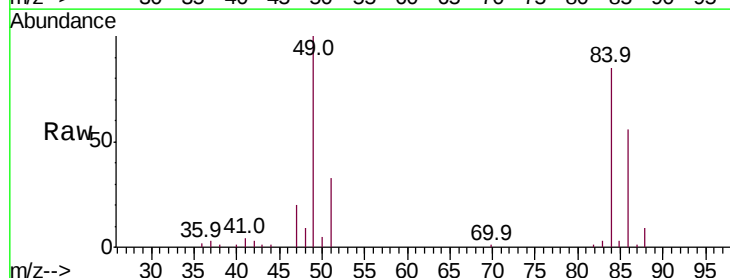
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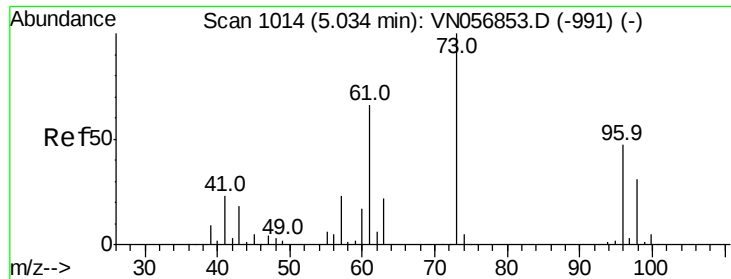
MMDadoda
7/24/2019 1:14:04 PM



#20
Methylene Chloride
Concen: 20.503 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion: 84 Resp: 79999
Ion Ratio Lower Upper
84 100
49 117.7 94.9 142.3
51 39.0 29.9 44.9
86 65.8 51.4 77.2





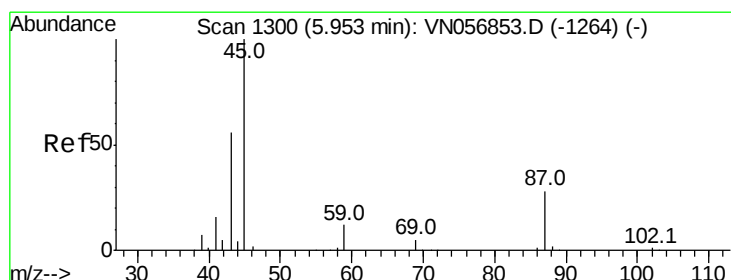
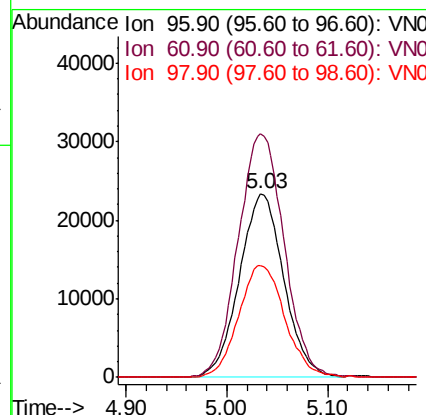
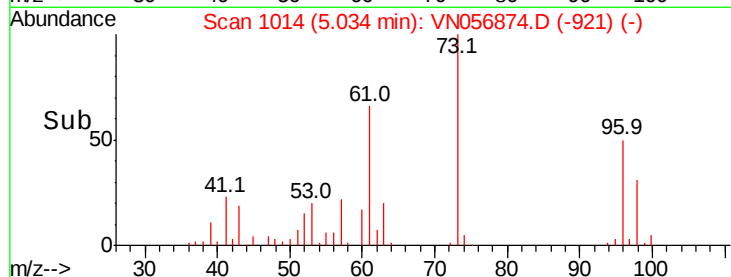
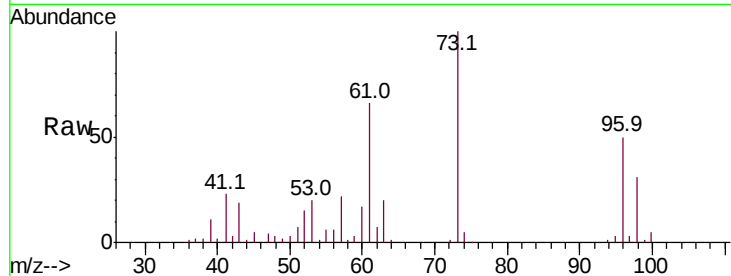
#21
trans-1,2-Dichloroethene
Concen: 20.715 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	112.8	169.2
98	61.3	53.3	79.9

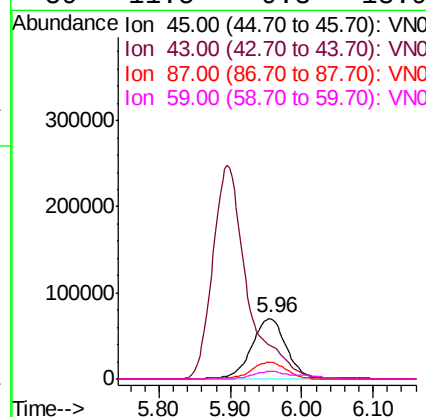
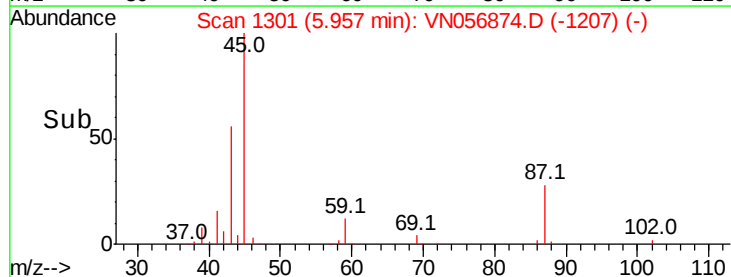
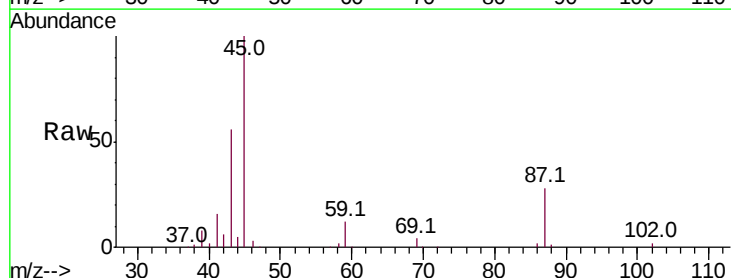
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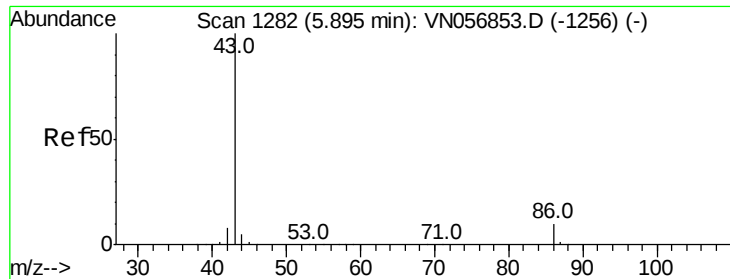
MMDadoda
7/24/2019 1:14:04 PM



#22
Diisopropyl ether
Concen: 21.635 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.3	45.5	68.3
87	28.2	22.7	34.1
59	11.5	9.3	13.9





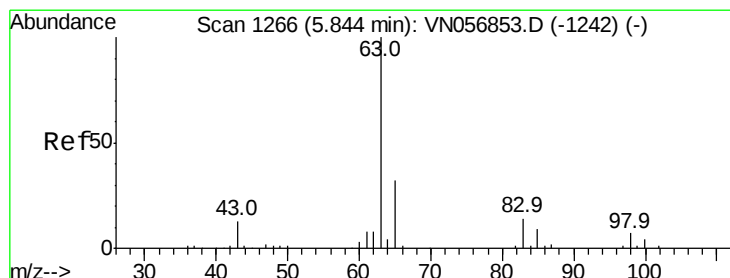
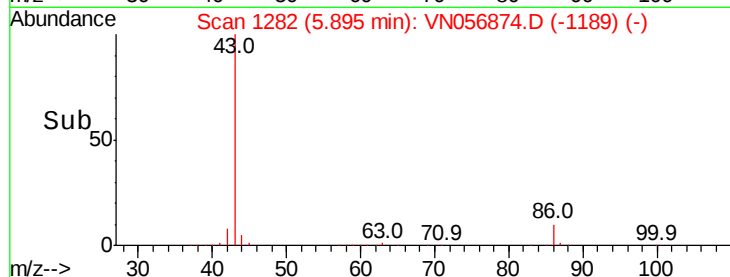
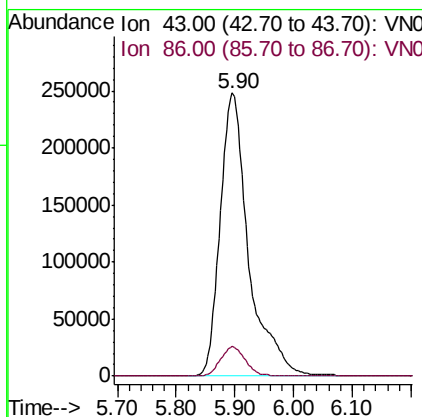
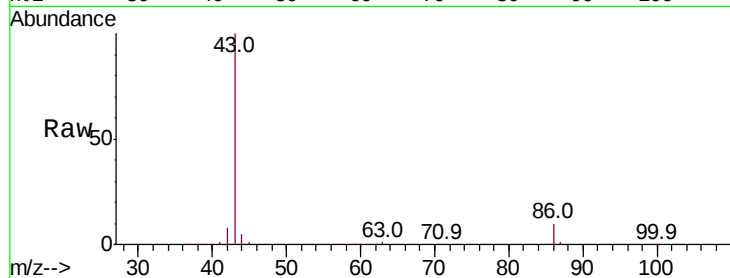
#23
 Vinyl Acetate
 Concen: 105.707 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	43	Resp	836667
Ion Ratio	100	Lower	Upper
86	10.4	8.4	12.6

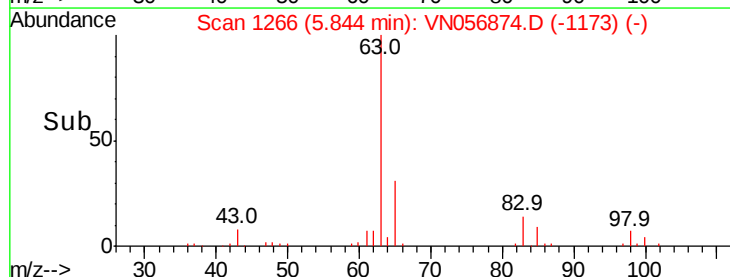
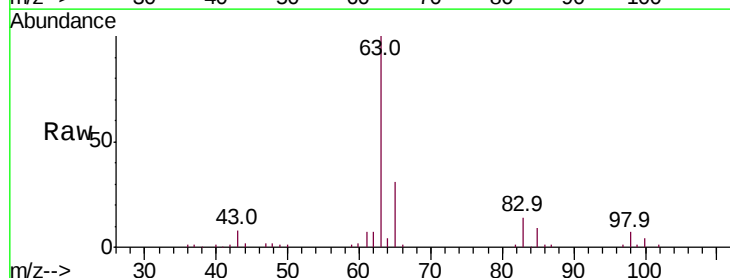
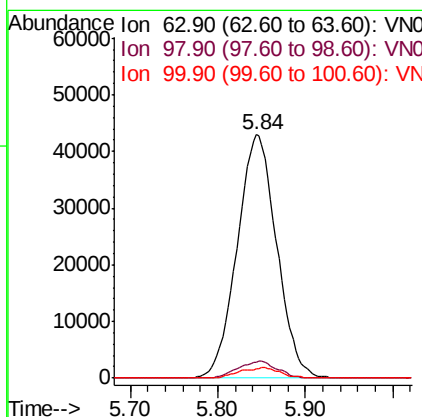
Manual Integrations
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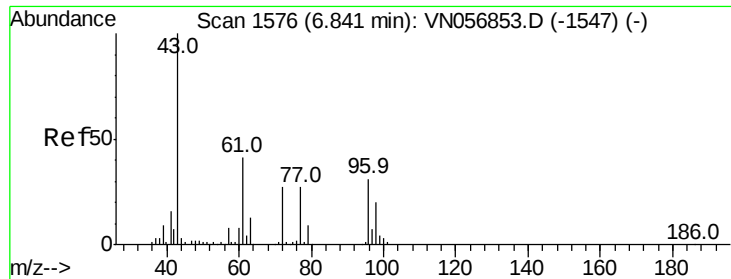
MMDadoda
 7/24/2019 1:14:04 PM



#24
 1,1-Dichloroethane
 Concen: 21.178 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	63	Resp	134443
Ion Ratio	100	Lower	Upper
98	6.7	3.3	9.9
100	3.7	2.2	6.6





#25

2-Butanone

Concen: 109.838 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 43 Resp: 210669

Ion Ratio Lower Upper

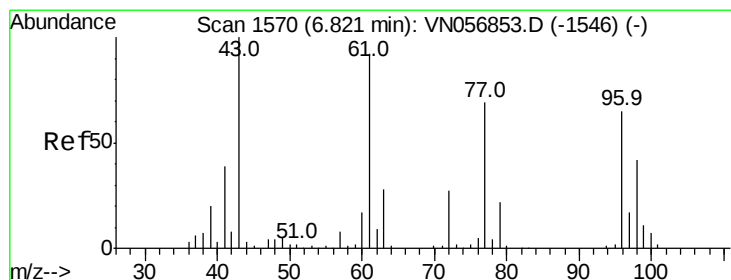
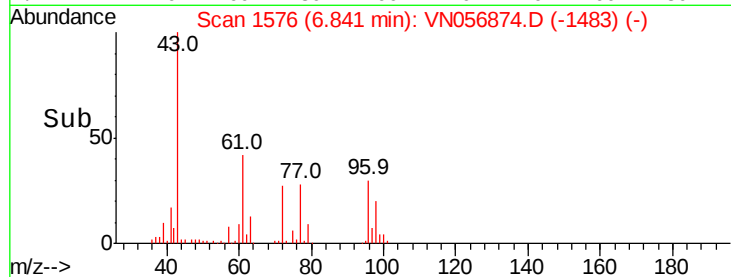
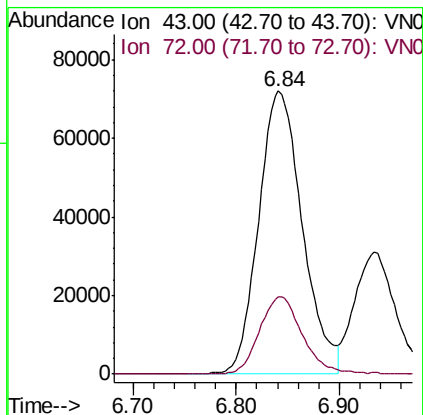
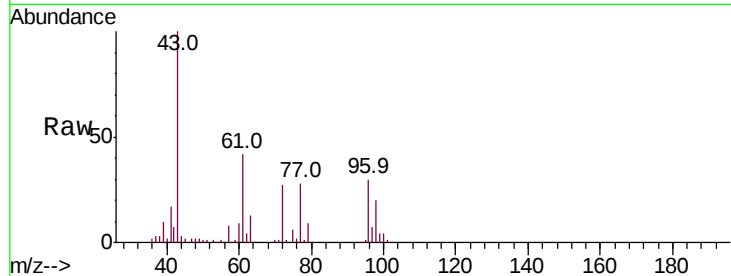
43 100

72 27.2 21.5 32.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.469 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056874.D

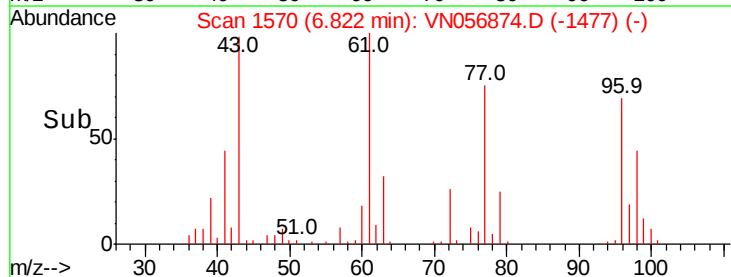
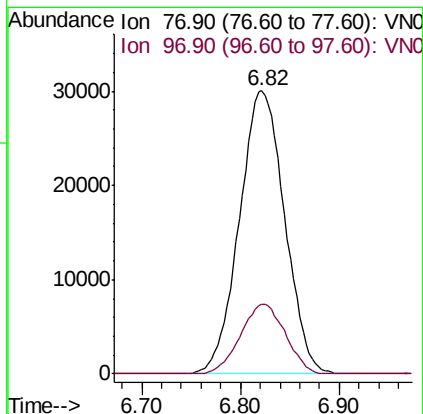
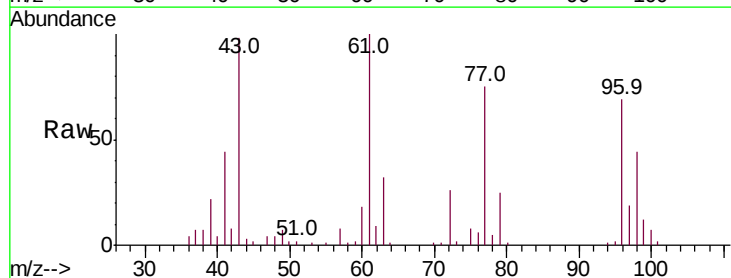
Acq: 23 Jul 2019 13:23

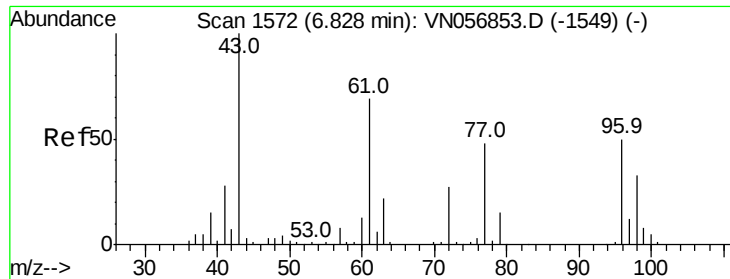
Tgt Ion: 77 Resp: 95369

Ion Ratio Lower Upper

77 100

97 24.4 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 20.693 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 96 Resp: 81694

Ion Ratio Lower Upper

96 100

61 143.7 0.0 281.6

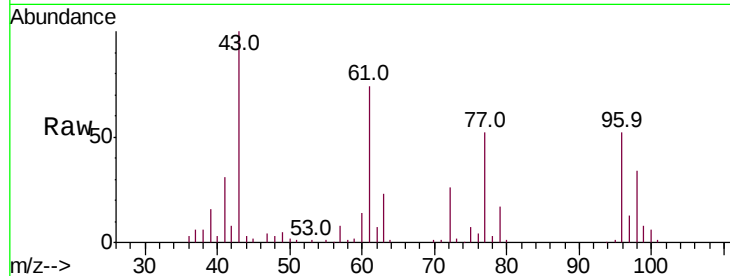
98 65.1 0.0 132.0

Manual Integrations

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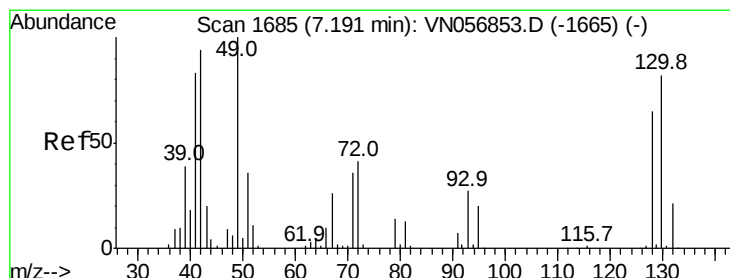
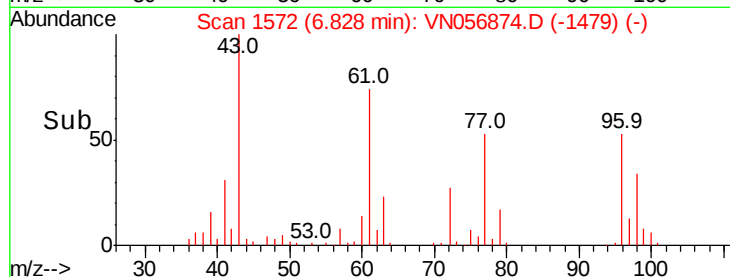
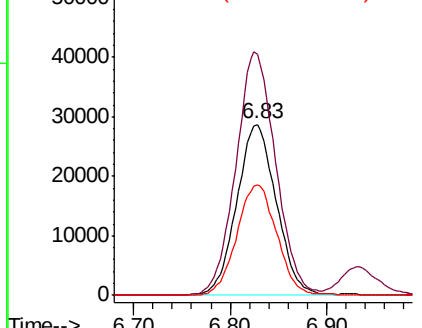
7/24/2019 1:14:04 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.659 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

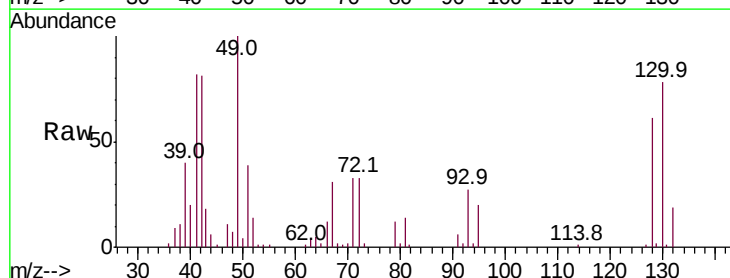
Tgt Ion: 49 Resp: 59533

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

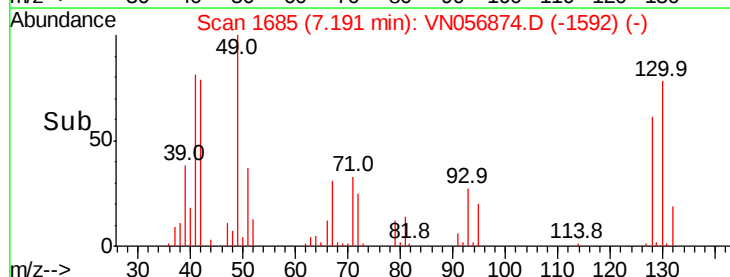
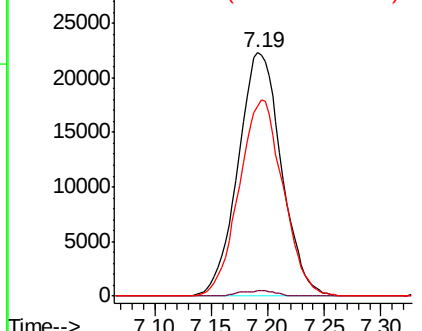
130 81.6 65.0 97.6

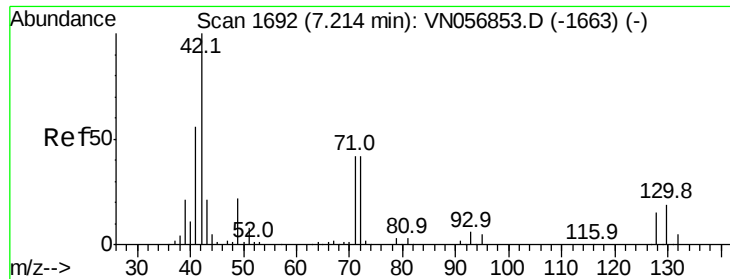


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





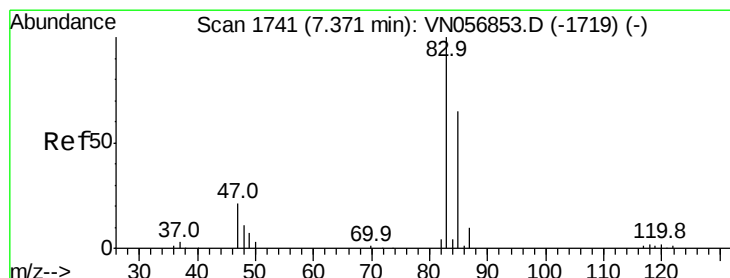
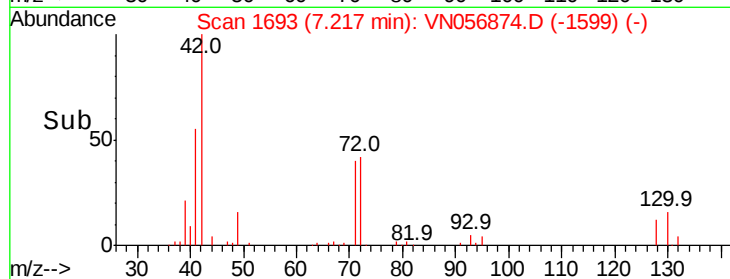
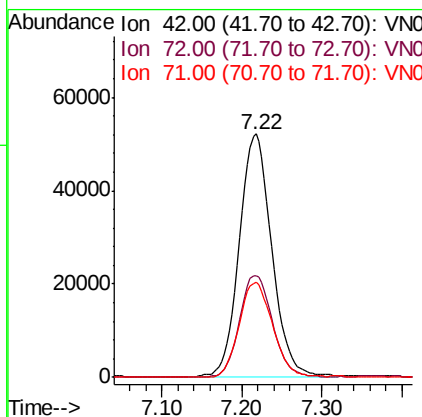
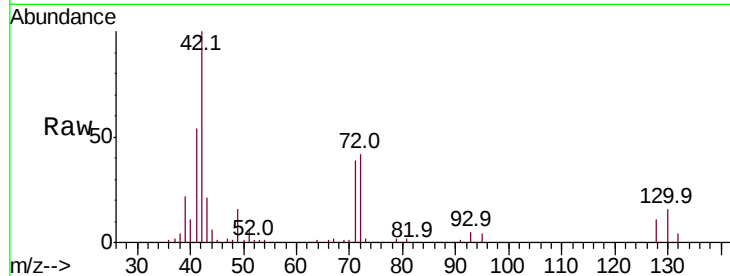
#29
Tetrahydrofuran
Concen: 109.271 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.1	32.7	49.1

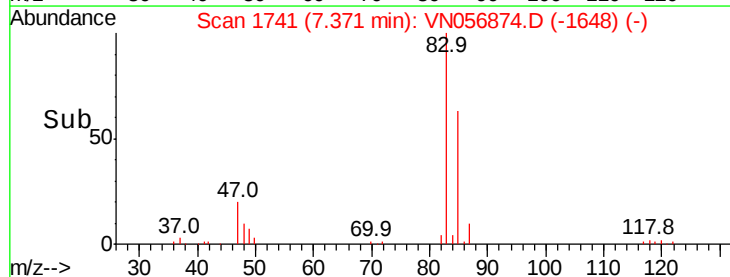
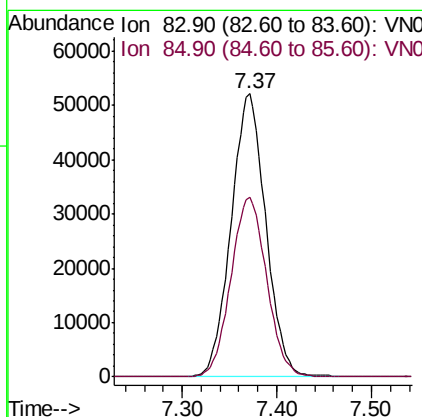
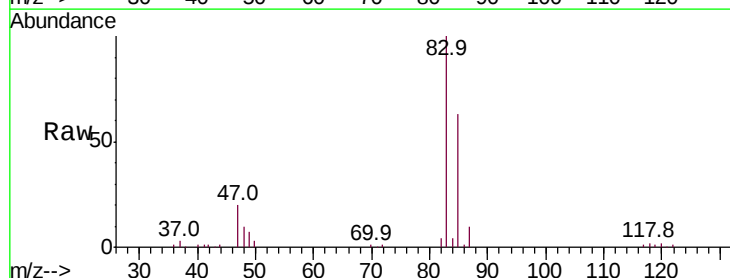
Manual Integrations
APPROVED

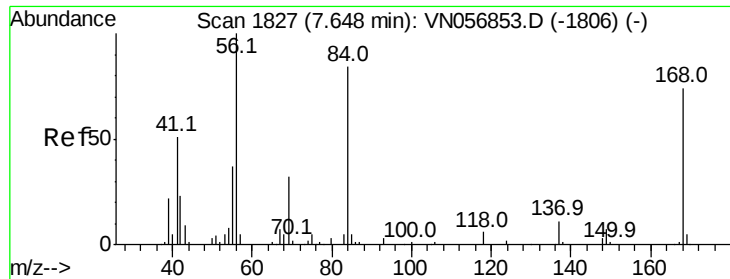
MMDadoda
7/24/2019 1:14:04 PM



#30
Chloroform
Concen: 20.876 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.3	78.5





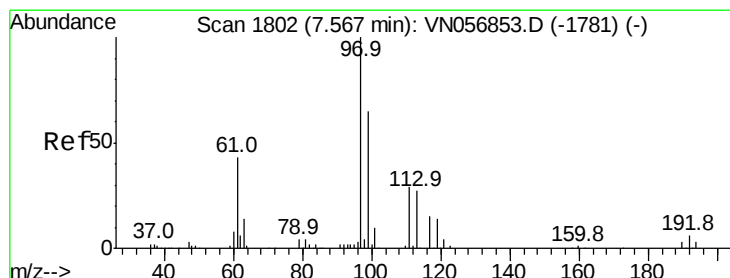
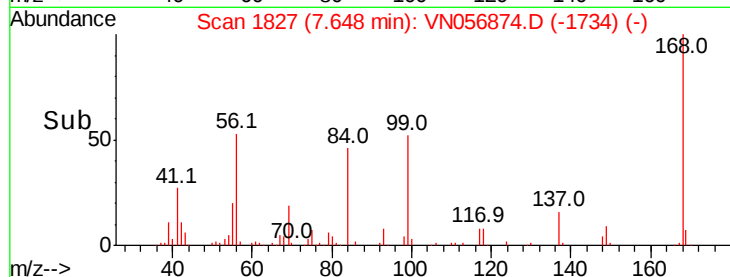
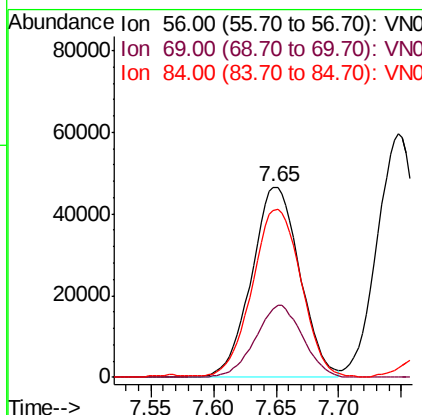
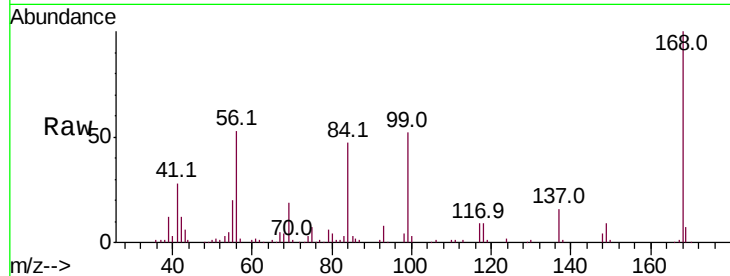
#31
Cyclohexane
Concen: 20.281 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.5	38.3
84	87.2	67.3	100.9

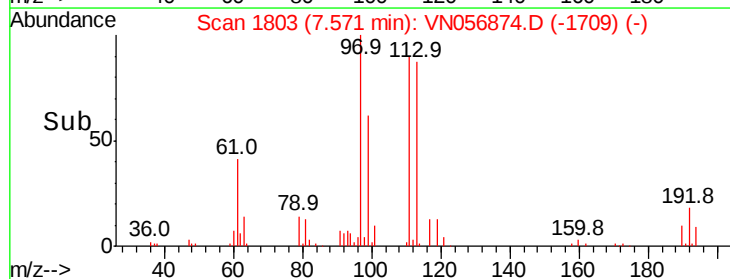
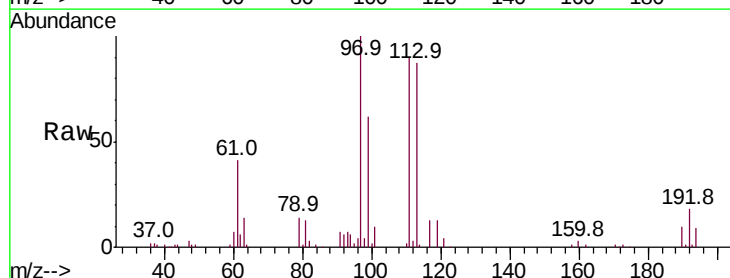
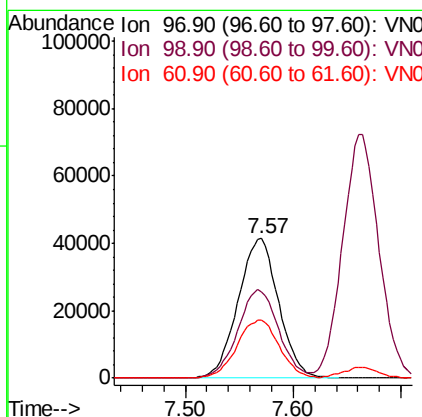
Manual Integrations
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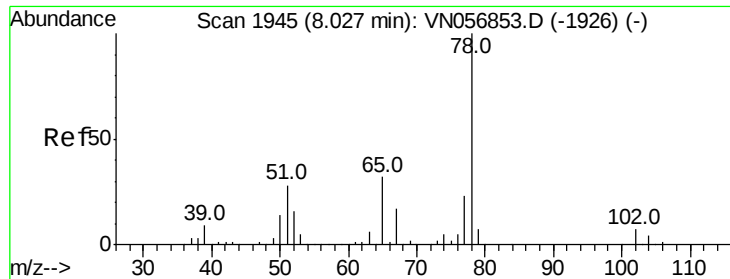
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.010 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	43.4	34.0	51.0





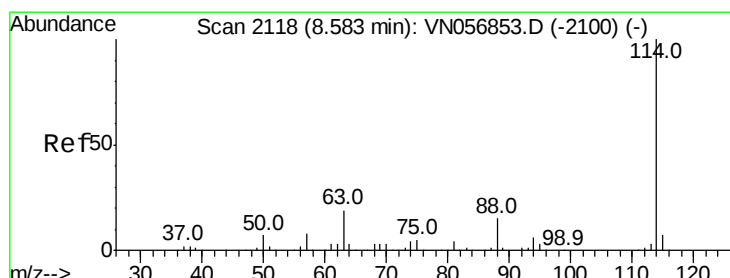
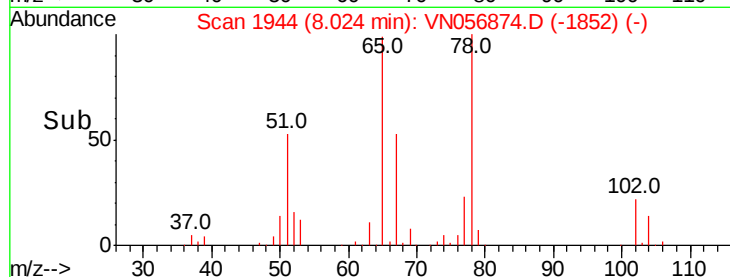
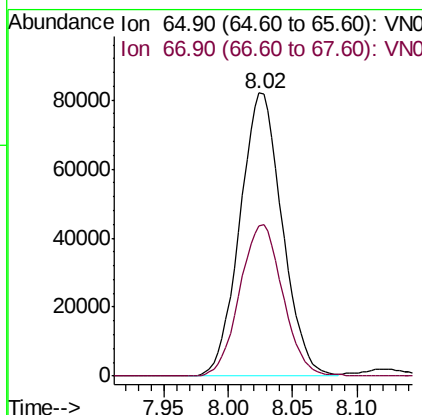
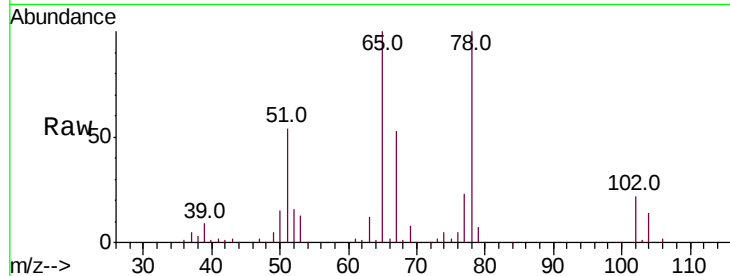
#33
 1,2-Dichloroethane-d4
 Concen: 51.777 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	108.6	

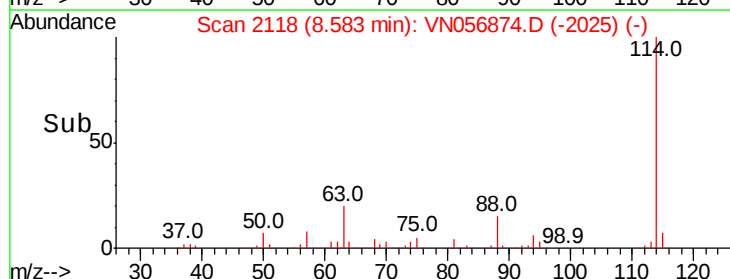
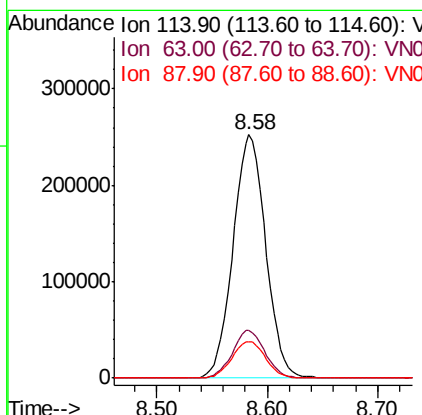
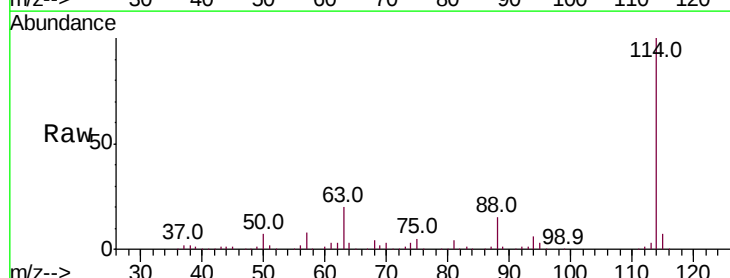
Manual Integrations
 APPROVED

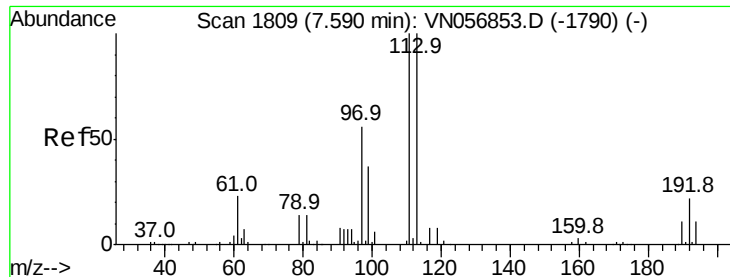
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 7/24/2019 1:14:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	37.8	
88	15.1	0.0	31.0	





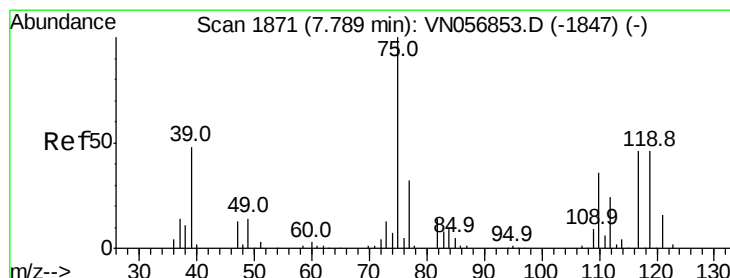
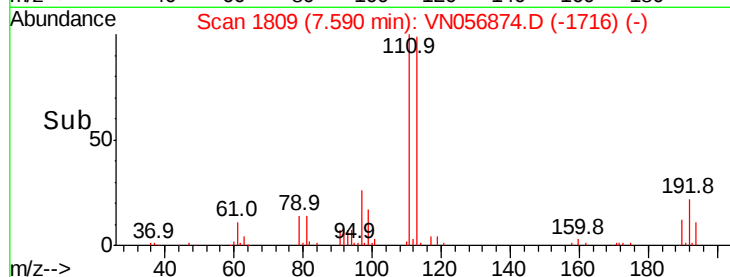
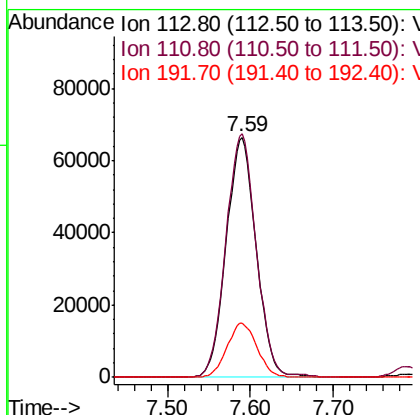
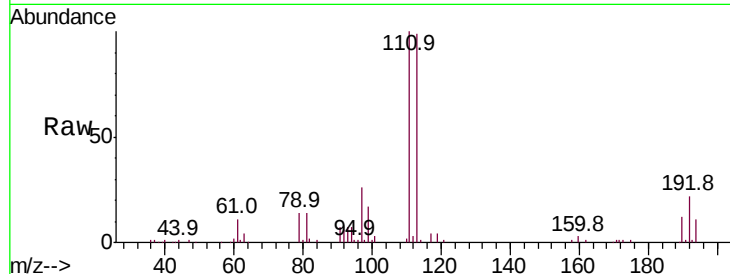
#35
 Dibromofluoromethane
 Concen: 50.904 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167127		
111	102.7	81.9	122.9	
192	22.5	18.5	27.7	

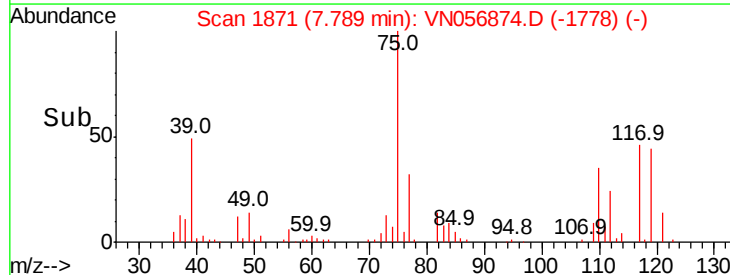
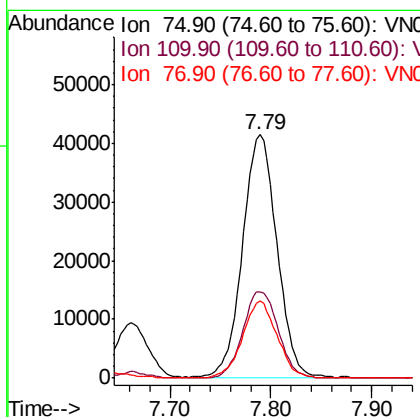
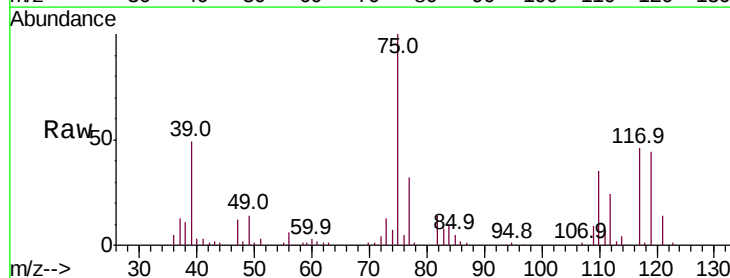
Manual Integrations
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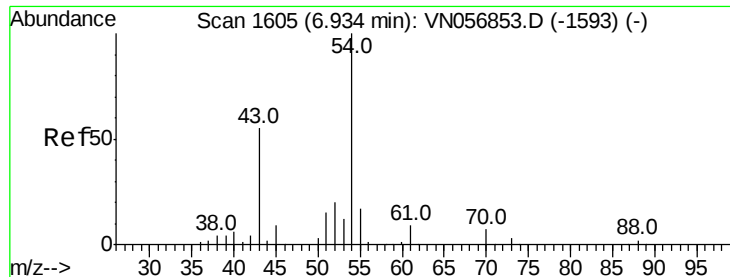
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#36
 1,1-Dichloropropene
 Concen: 20.425 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97567		
110	36.7	17.9	53.7	
77	31.8	25.0	37.6	





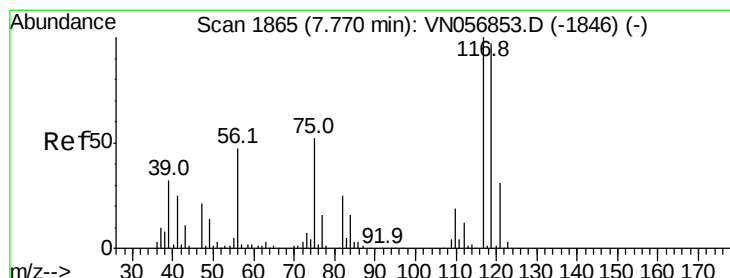
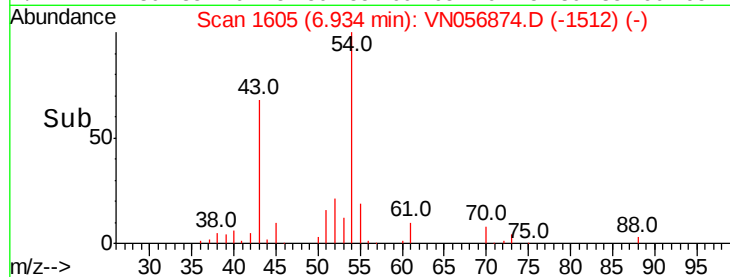
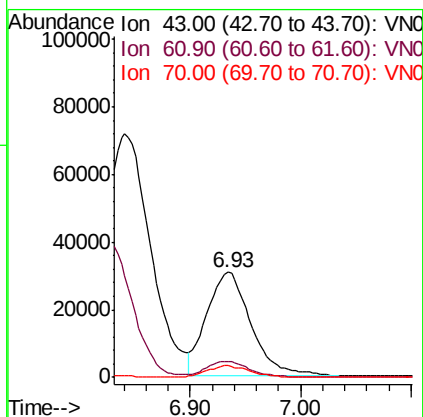
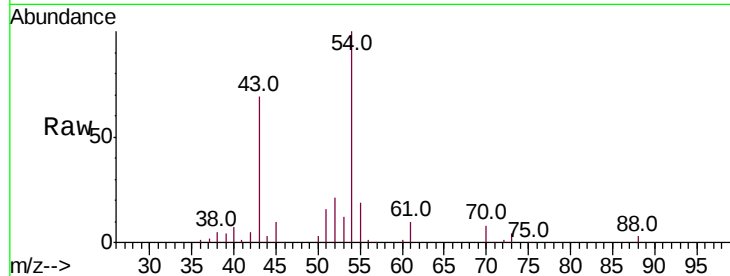
#37
Ethyl Acetate
Concen: 22.132 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.8
70	11.0	8.6	13.0

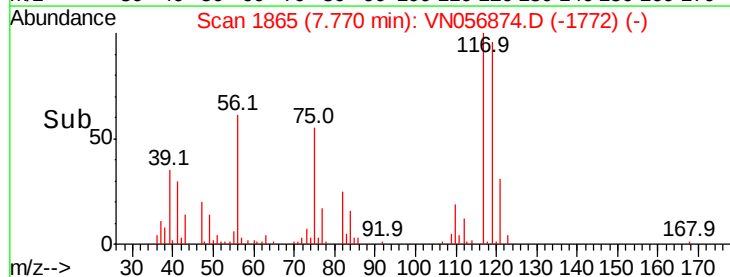
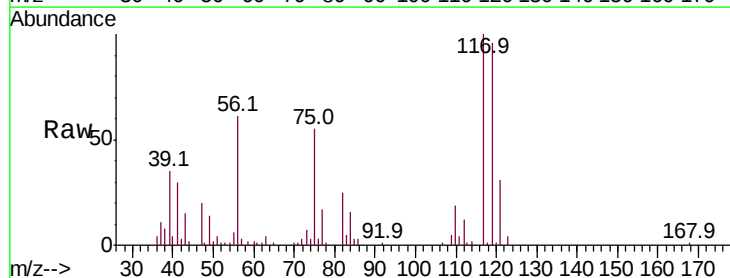
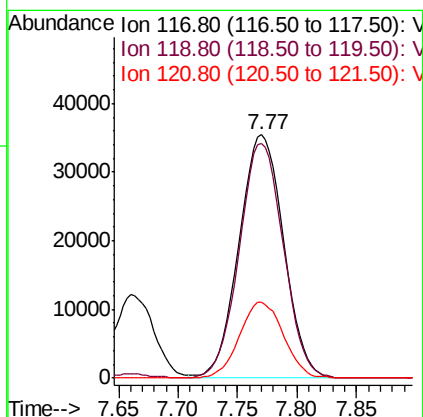
Manual Integrations
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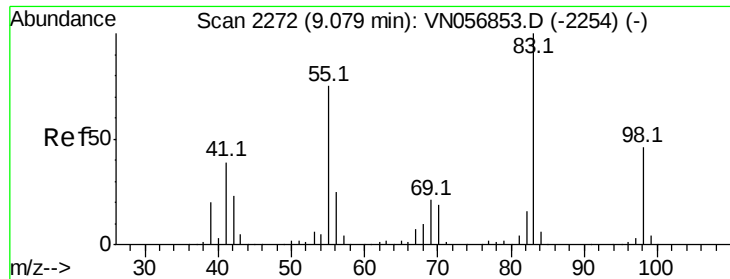
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#38
Carbon Tetrachloride
Concen: 20.271 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.2	115.8
121	31.3	24.5	36.7





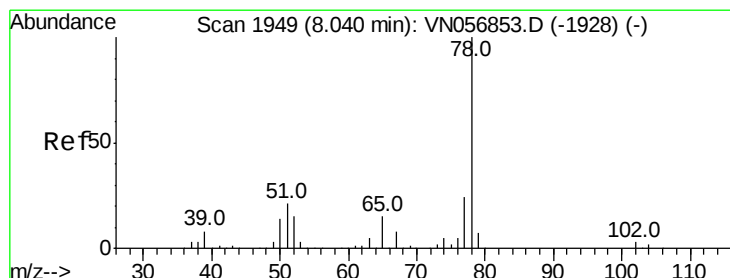
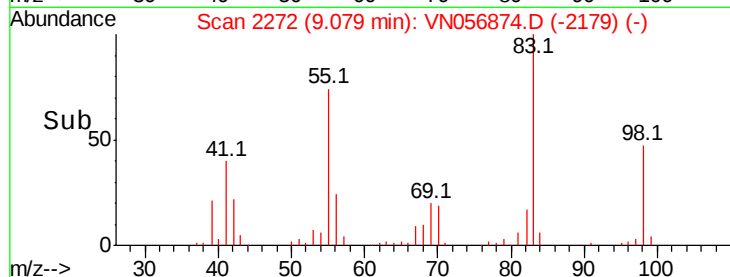
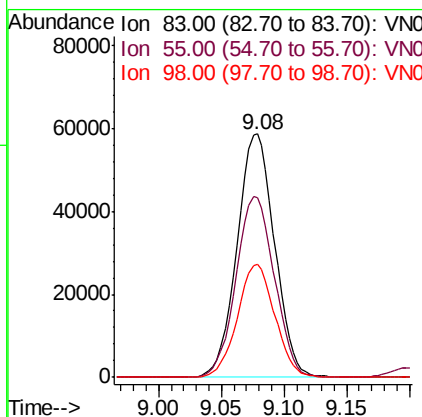
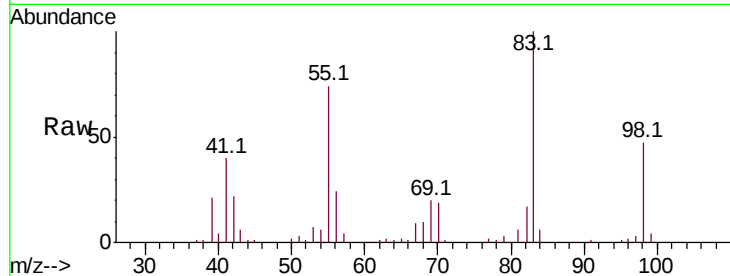
#39
Methvlcvclohexane
Concen: 20.414 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampled :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	59.8	89.8
98	46.7	37.1	55.7

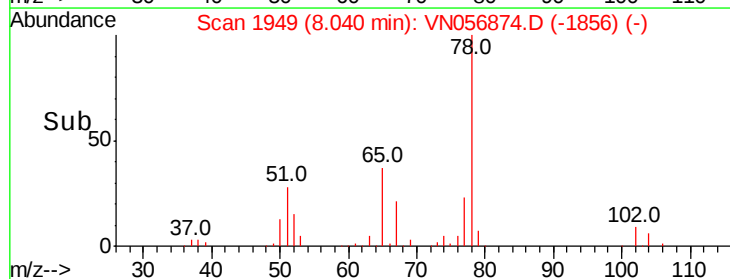
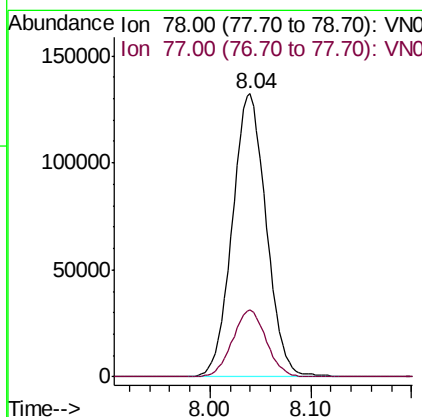
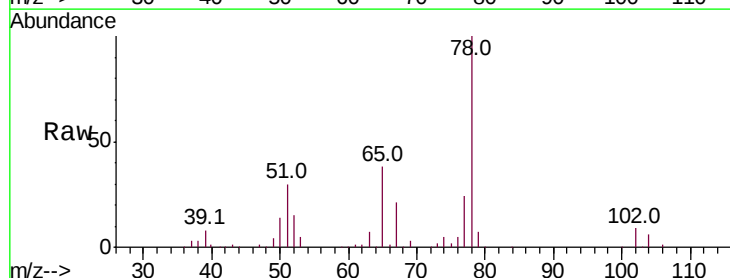
Manual Integrations
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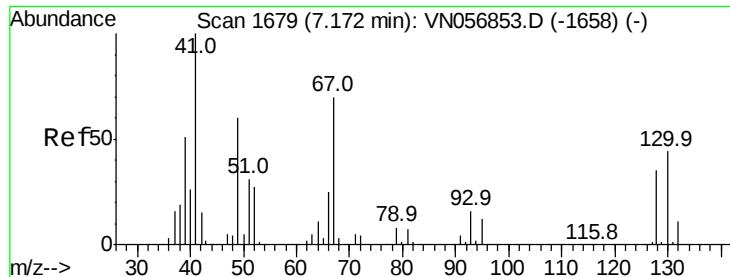
MMDadoda
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#40
Benzene
Concen: 20.818 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





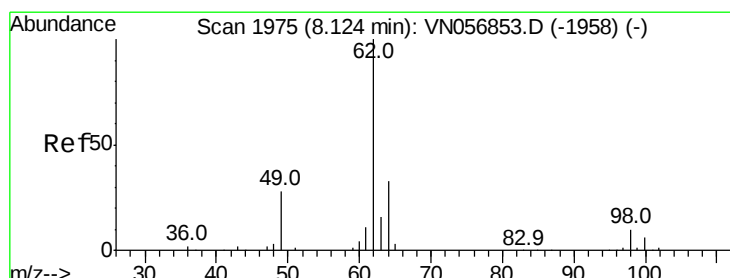
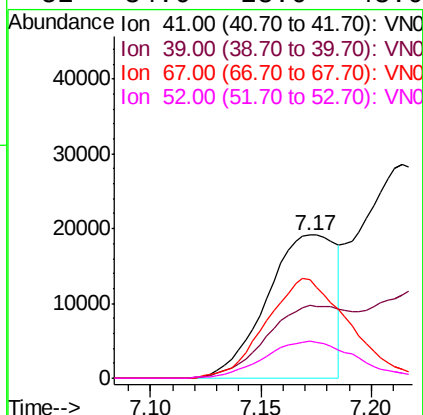
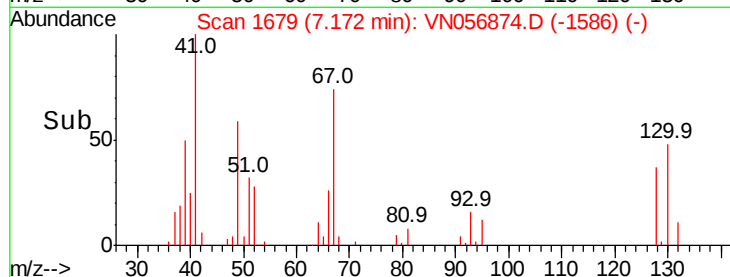
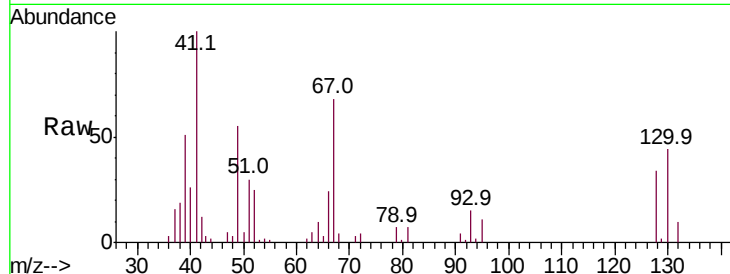
#41
Methacrylonitrile
Concen: 21.861 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	41	Resp	41813
Ion Ratio	100	Lower	Upper
41	100		
39	59.4	44.0	66.0
67	84.4	73.5	110.3
52	34.6	28.6	43.0

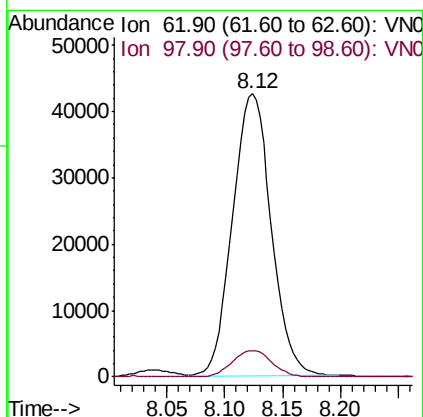
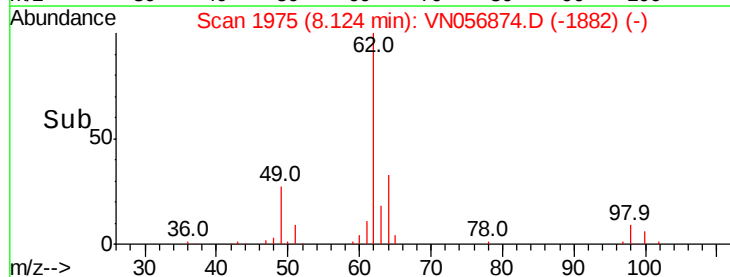
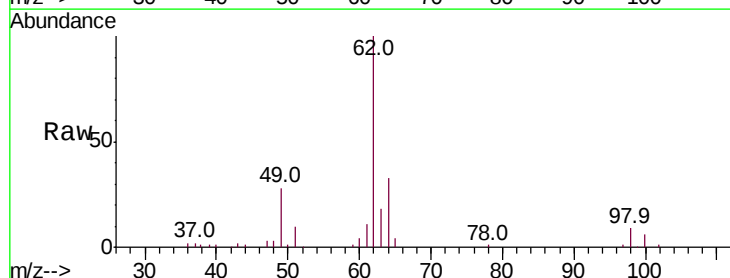
Manual Integrations
APPROVED

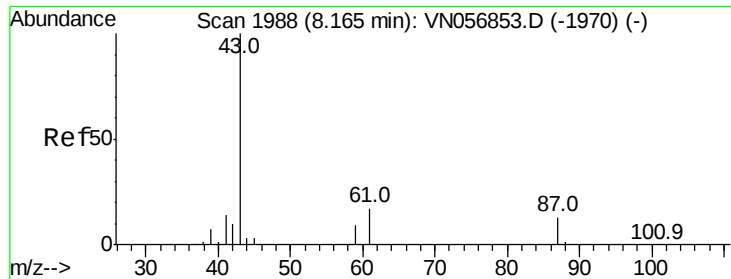
MMDadoda
7/24/2019 1:14:04 PM



#42
1,2-Dichloroethane
Concen: 21.272 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	62	Resp	98621
Ion Ratio	100	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.931 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

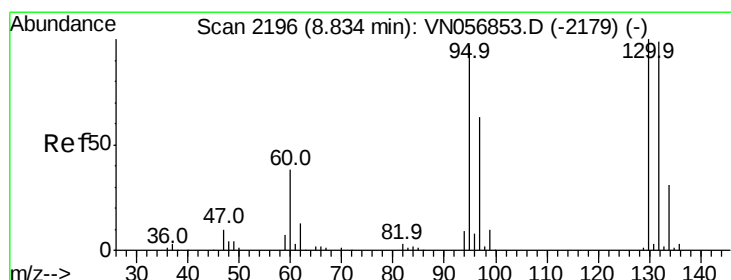
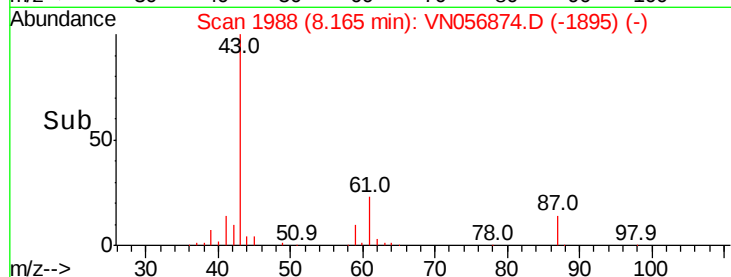
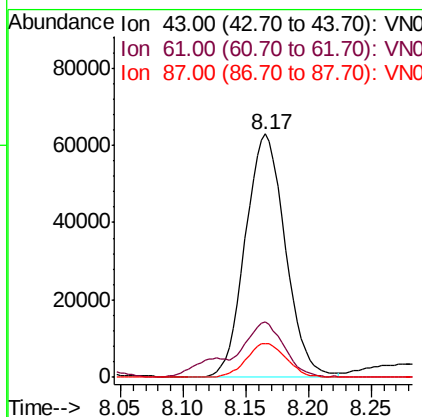
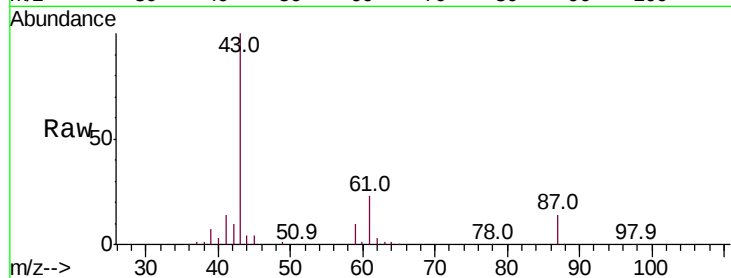
ClientSampleId :

VN0723WBSD01

Tot Ion:	43	Resp:	138609
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.8	26.6
87	14.1	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
7/24/2019 1:14:04 PM



#44

Trichloroethene

Concen: 20.855 ug/l

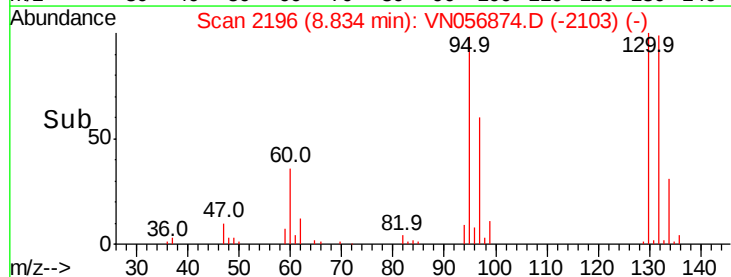
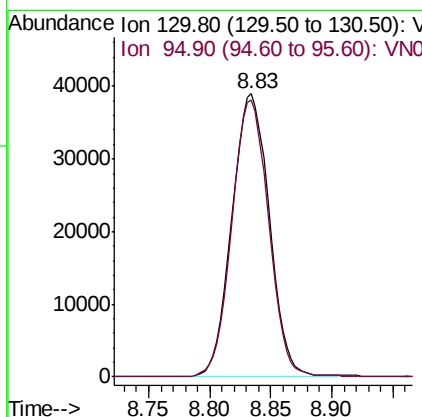
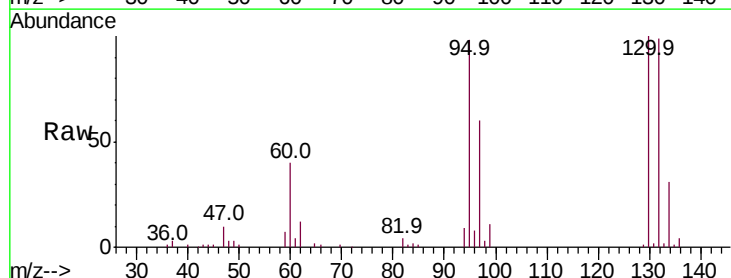
RT: 8.83 min Scan# 2196

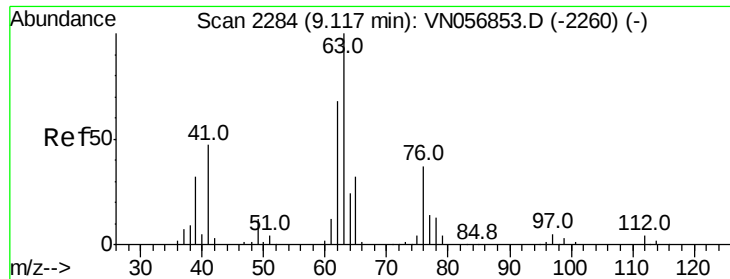
Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Tgt Ion:	130	Resp:	82878
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	194.0





#45

1,2-Dichloropropane

Concen: 20.619 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 63 Resp: 82420

Ion Ratio Lower Upper

63 100

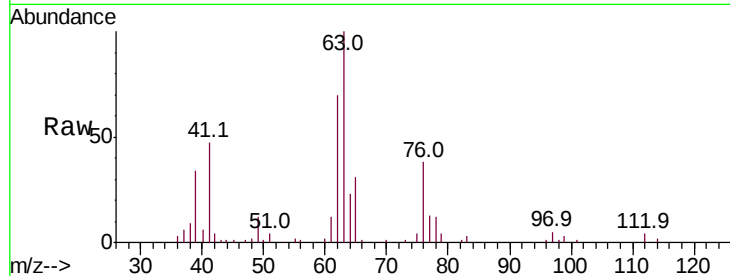
65 30.6 25.4 38.0

Manual Integrations

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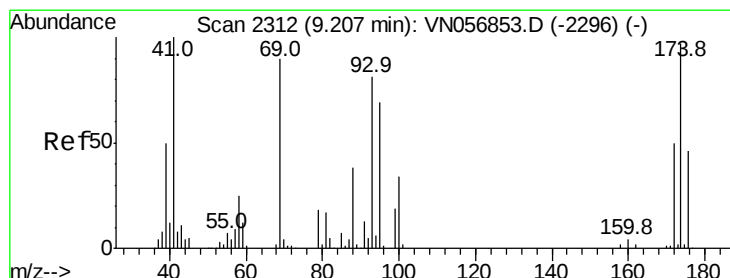
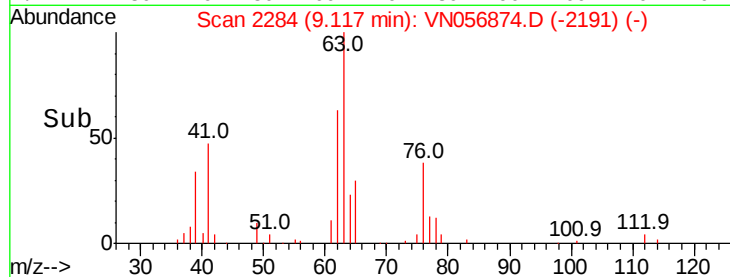
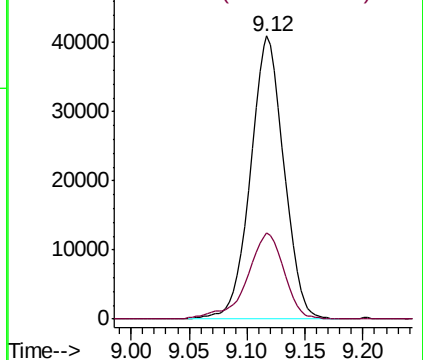
MMDadoda

7/24/2019 1:14:04 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.796 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

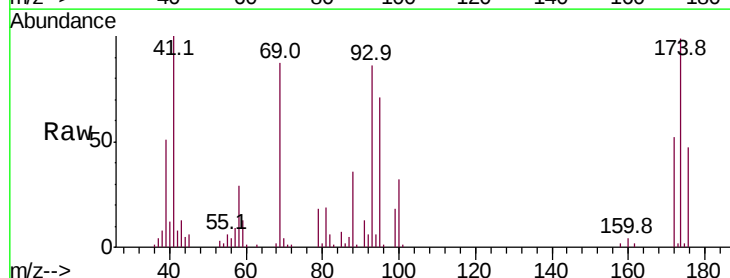
Tgt Ion: 93 Resp: 51309

Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.0

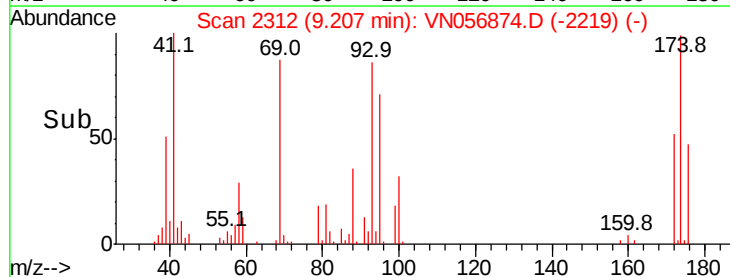
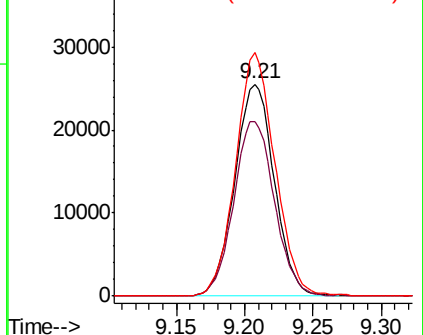
174 114.4 92.9 139.3

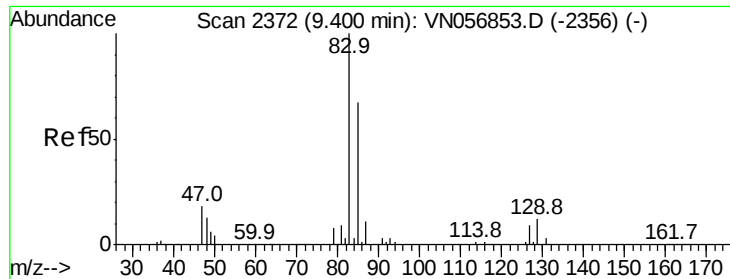


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





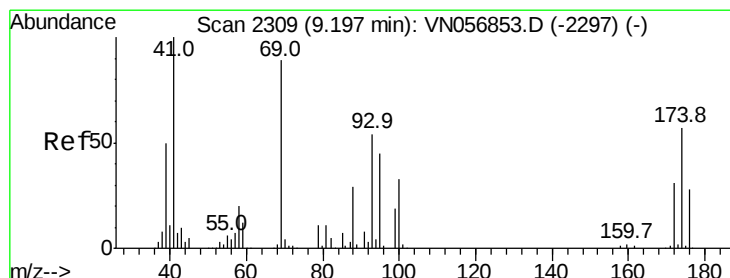
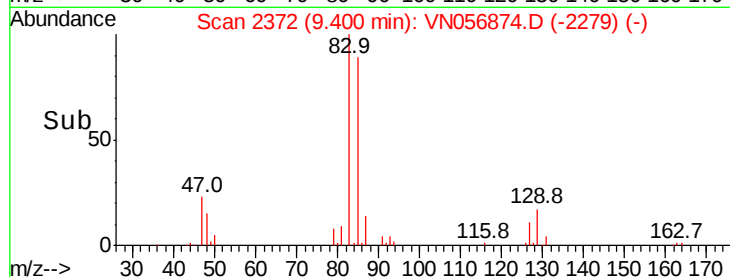
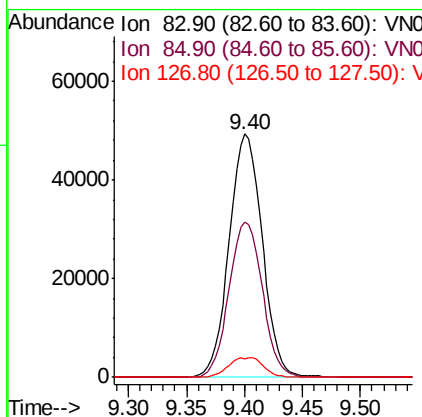
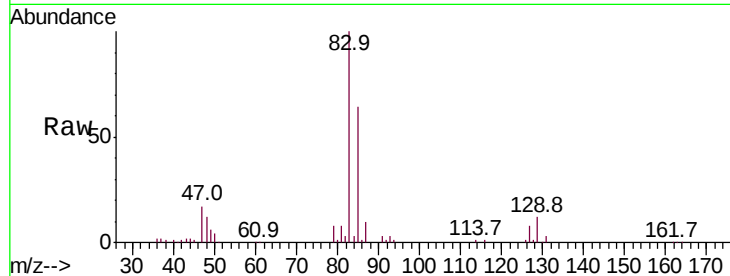
#47
Bromodichloromethane
Concen: 21.096 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	83	Resp	97883
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	53.4	80.2
127	7.7	7.2	10.8

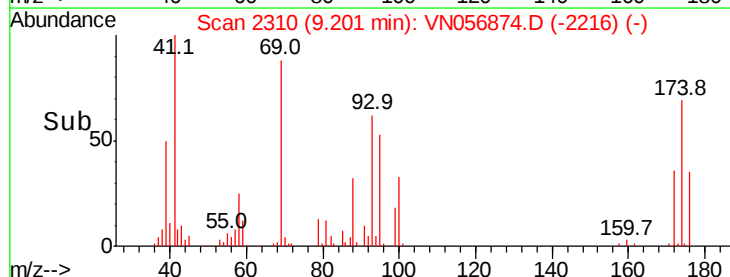
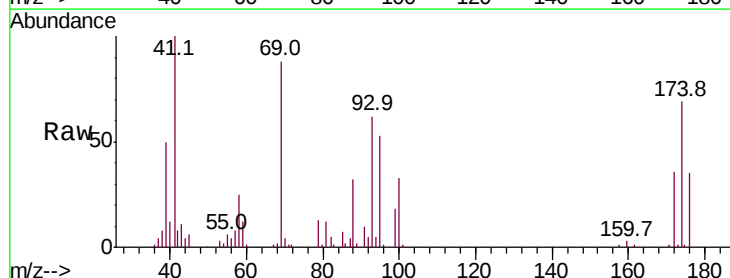
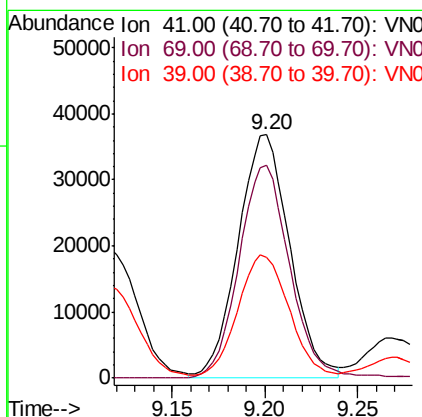
Manual Integrations
APPROVED

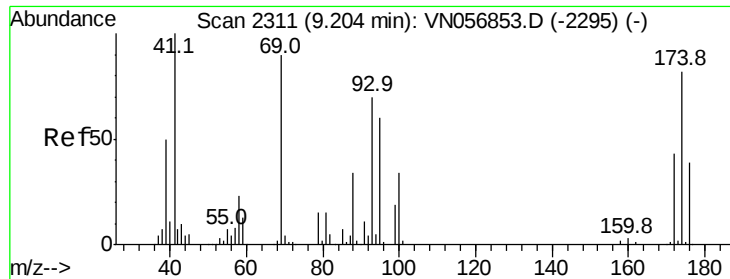
MMDadoda
7/24/2019 1:14:04 PM



#48
Methyl methacrylate
Concen: 21.363 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	41	Resp	70772
Ion Ratio	100	Lower	Upper
41	100		
69	86.2	71.1	106.7
39	50.4	40.6	60.8





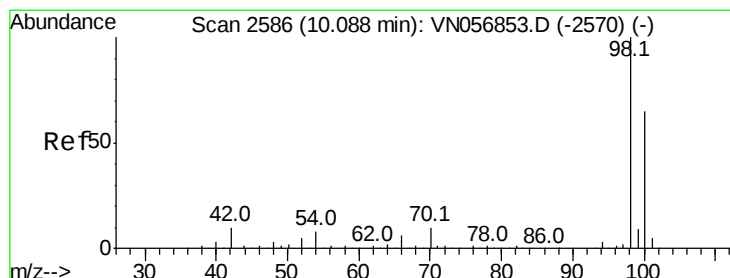
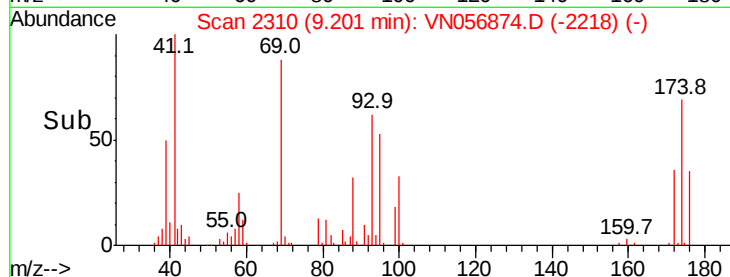
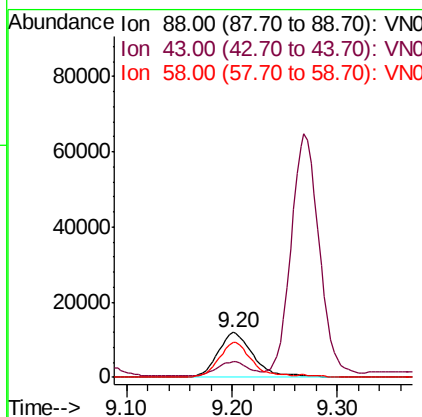
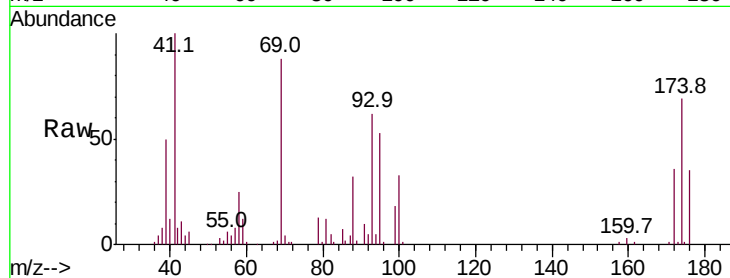
#49
 1,4-Dioxane
 Concen: 431.044 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	21.4	32.2
58	71.6	55.7	83.5

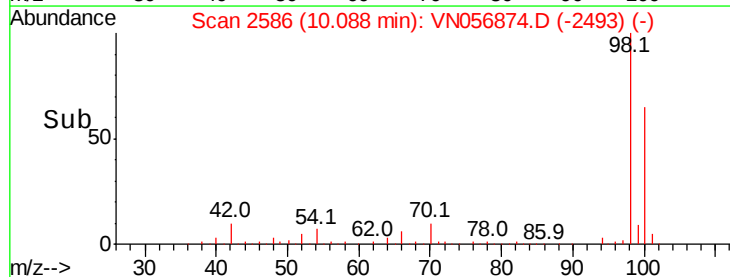
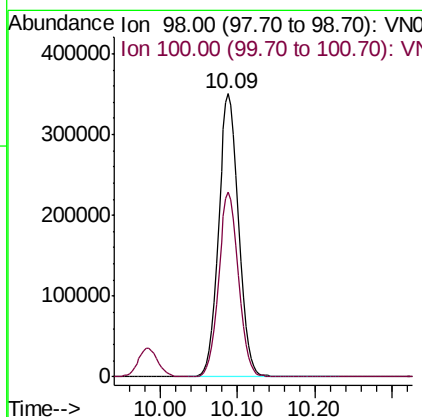
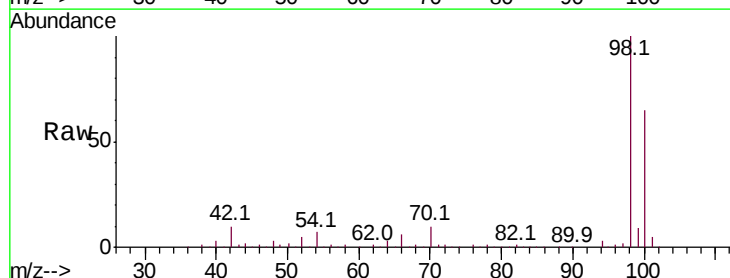
Manual Integrations
 APPROVED

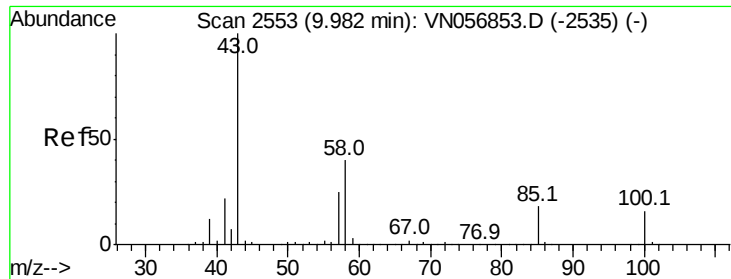
MMDadoda
 7/24/2019 1:14:04 PM



#50
 Toluene-d8
 Concen: 50.661 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 108.099 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleID :

VN0723WBSD01

Tot Ion: 43 Resp: 426890

Ion Ratio Lower Upper

43 100

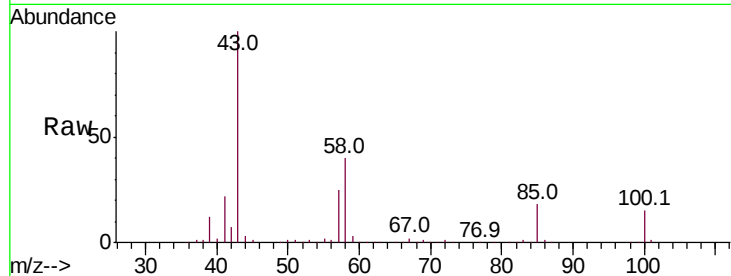
58 40.4 32.4 48.6

Manual Integrations

APPROVED

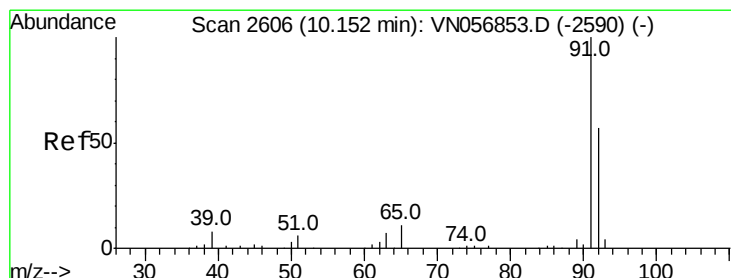
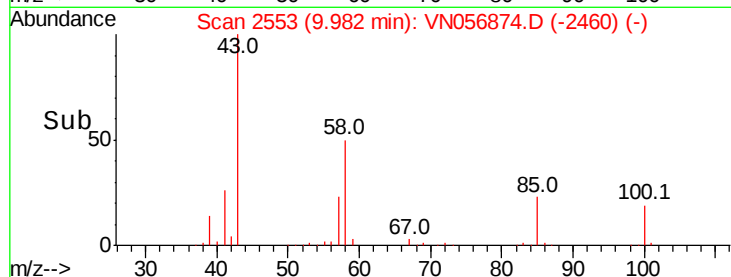
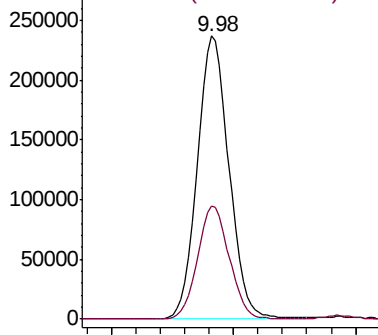
MMDadoda

7/24/2019 1:14:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.107 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056874.D

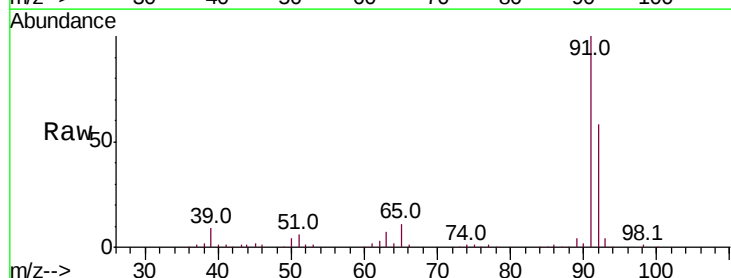
Acq: 23 Jul 2019 13:23

Tgt Ion: 92 Resp: 188460

Ion Ratio Lower Upper

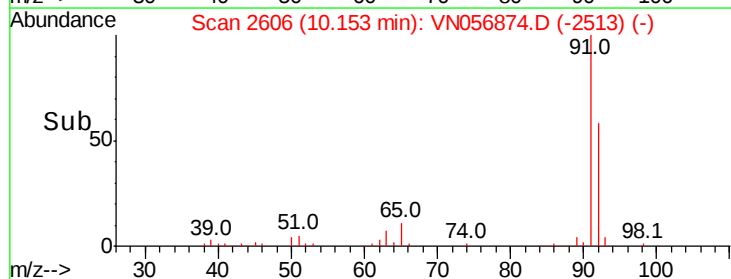
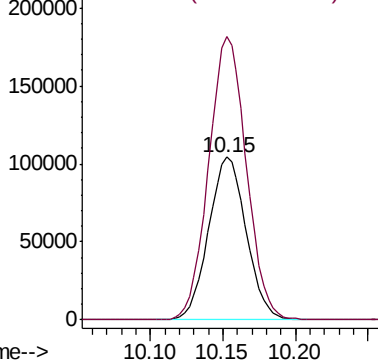
92 100

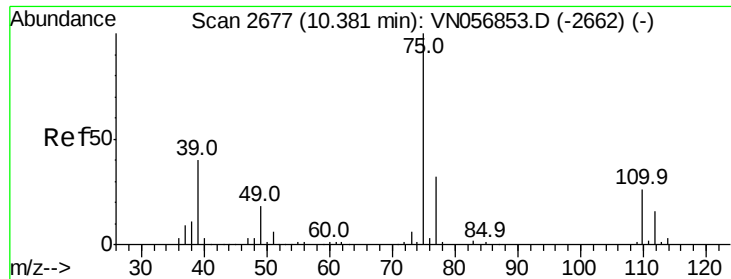
91 174.5 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.789 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 75 Resp: 98998

Ion Ratio Lower Upper

75 100

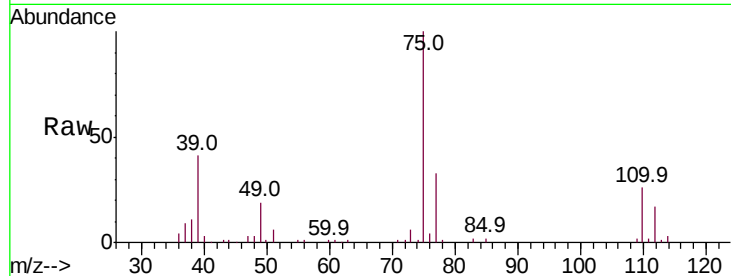
77 32.9 25.4 38.2

Manual Integrations

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7/24/2019 1:14:04 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

60000

50000

40000

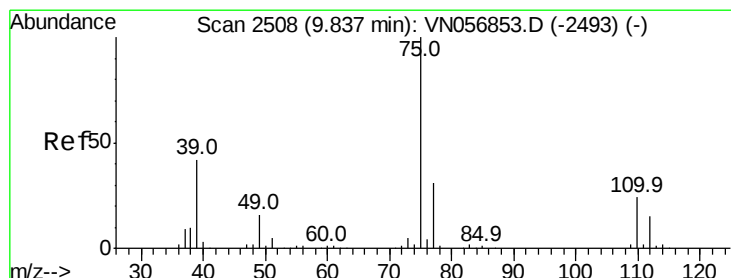
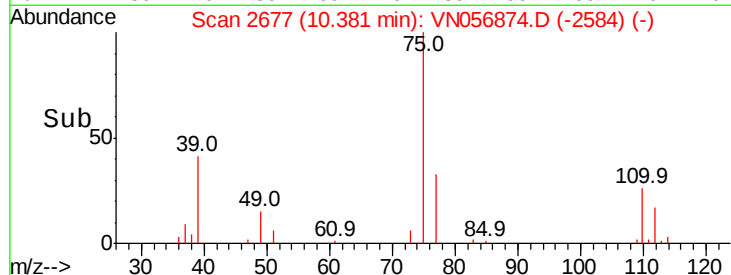
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.619 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

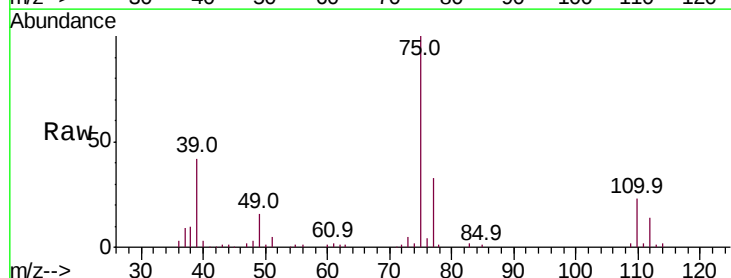
Tgt Ion: 75 Resp: 115755

Ion Ratio Lower Upper

75 100

77 32.8 25.1 37.7

39 41.8 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

80000

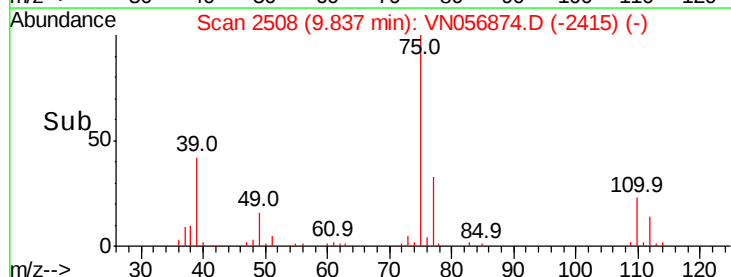
60000

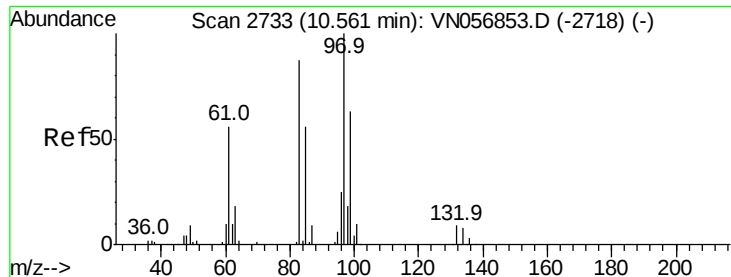
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.067 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 97 Resp: 74659

Ion Ratio Lower Upper

97 100

83 86.2 70.0 105.0

85 55.9 45.1 67.7

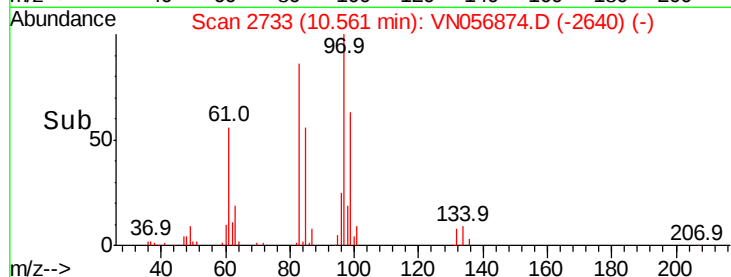
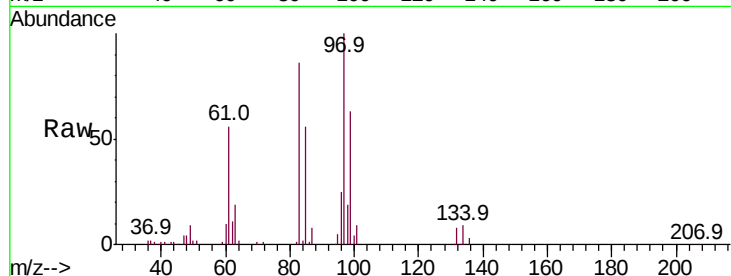
99 63.1 50.2 75.4

Manual Integrations

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MMDadoda

7/24/2019 1:14:04 PM



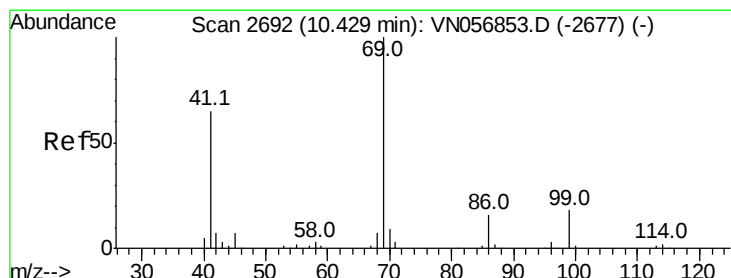
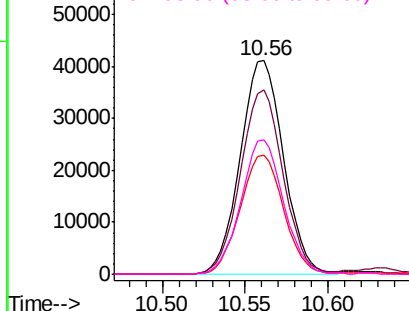
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 21.400 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

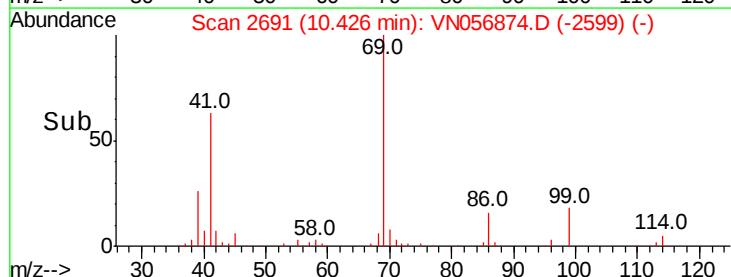
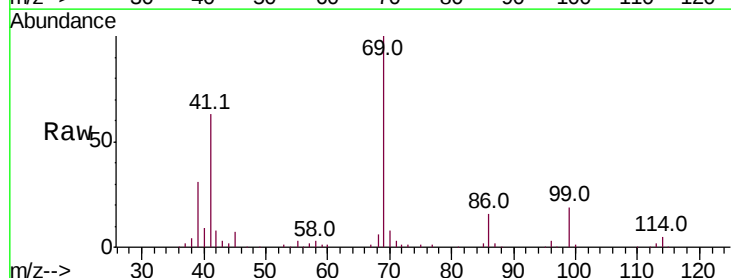
Tgt Ion: 69 Resp: 105283

Ion Ratio Lower Upper

69 100

41 64.1 51.0 76.6

39 30.0 24.5 36.7

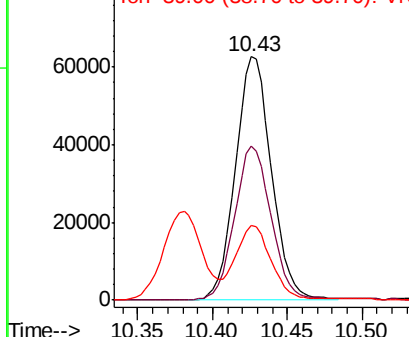


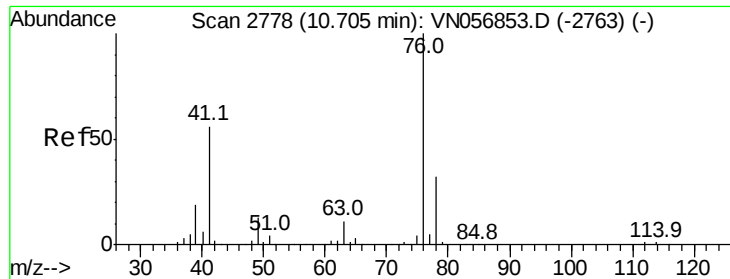
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





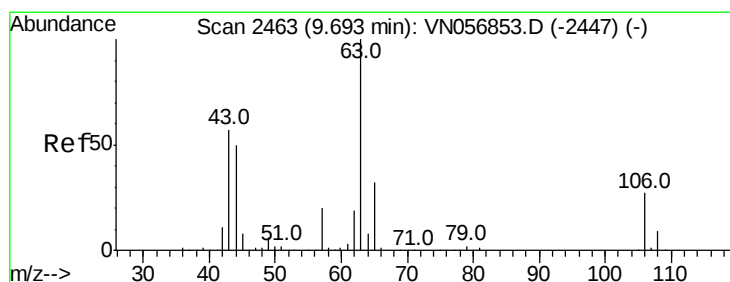
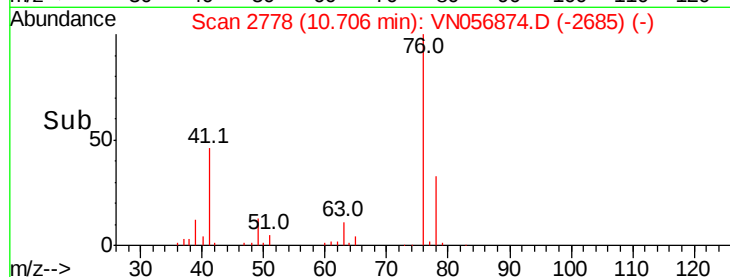
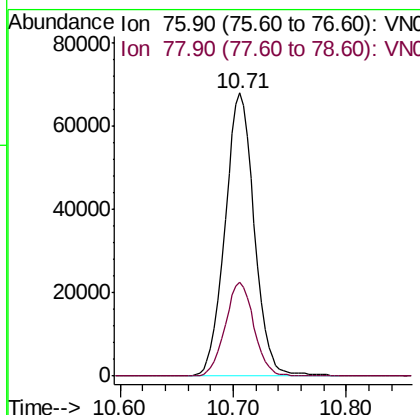
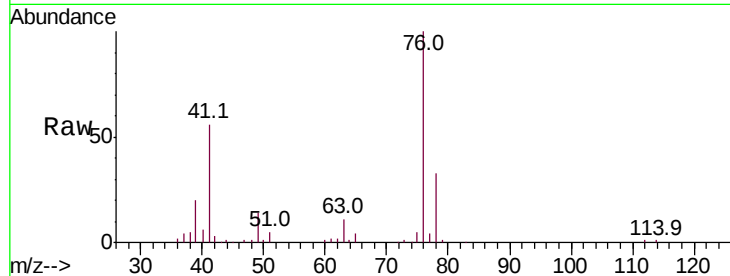
#57
 1,3-Dichloropropane
 Concen: 20.796 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion: 76 Resp: 121993
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

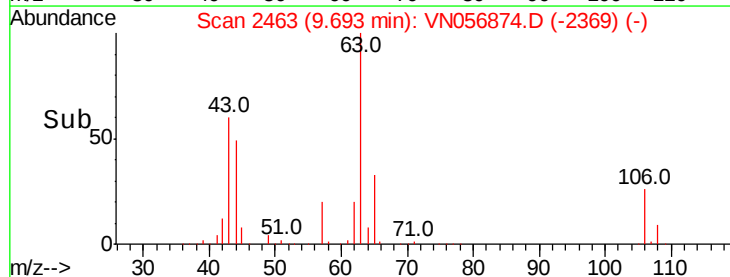
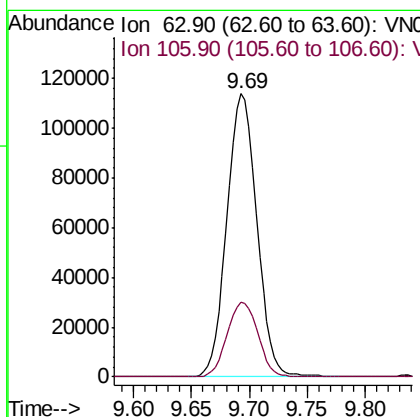
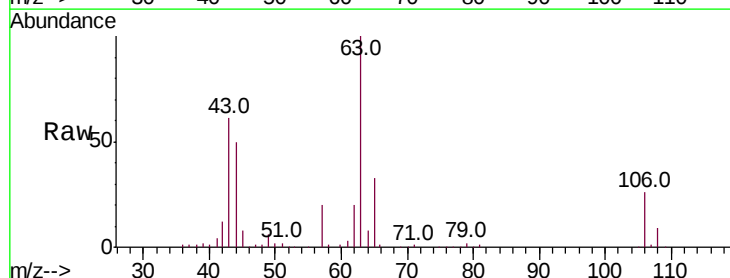
Manual Integrations
 APPROVED

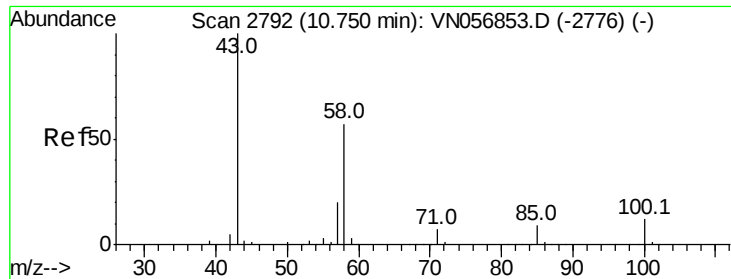
MMDadoda
 7/24/2019 1:14:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.674 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion: 63 Resp: 203796
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





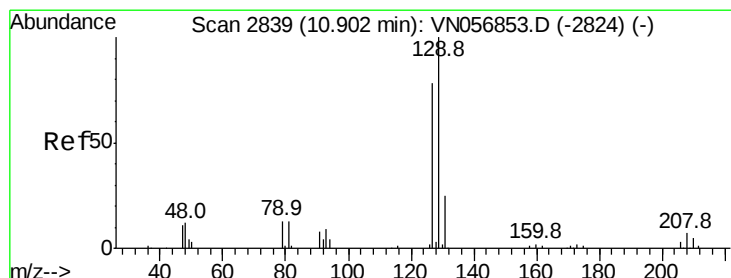
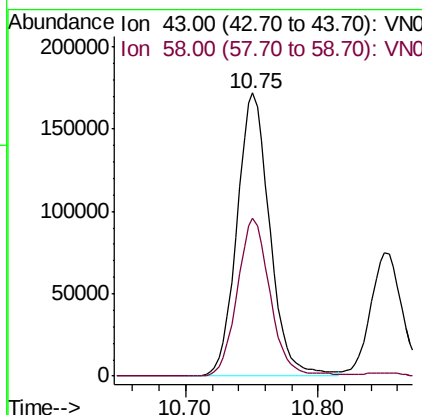
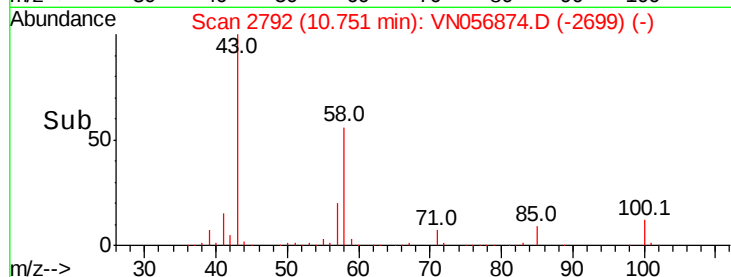
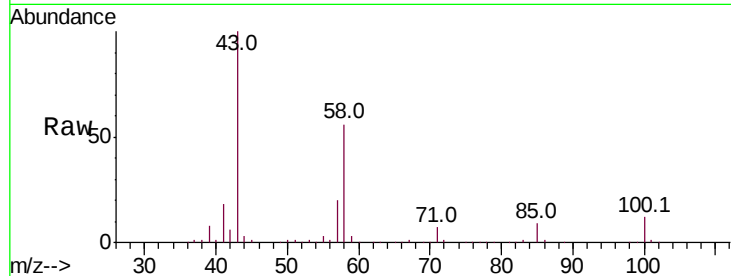
#59
2-Hexanone
Concen: 107.403 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	28.3	85.0

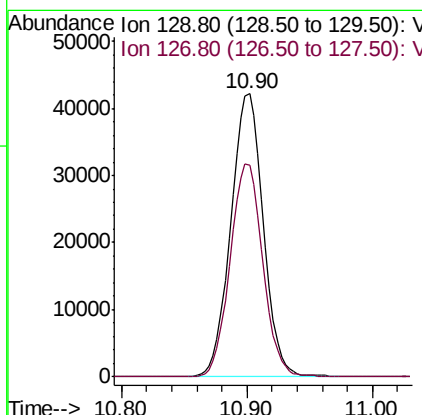
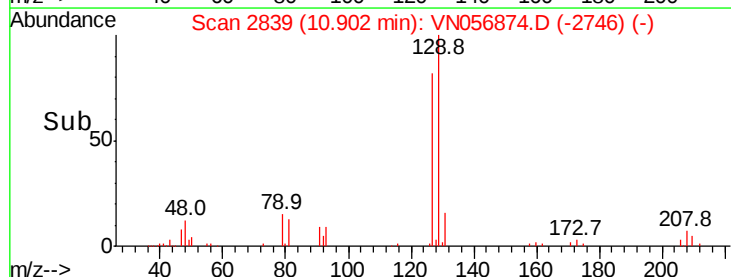
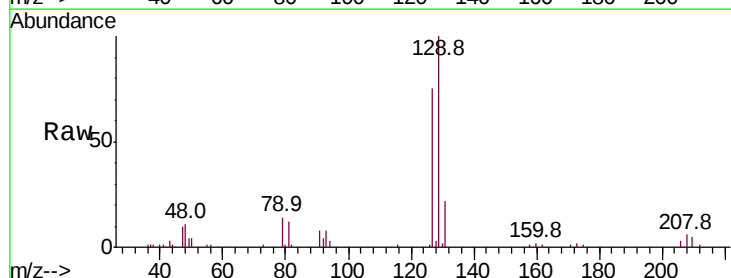
Manual Integrations
APPROVED

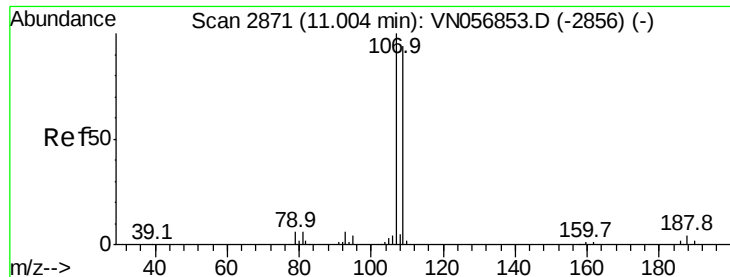
MMDadoda
7/24/2019 1:14:04 PM



#60
Dibromochloromethane
Concen: 21.315 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.5	115.5





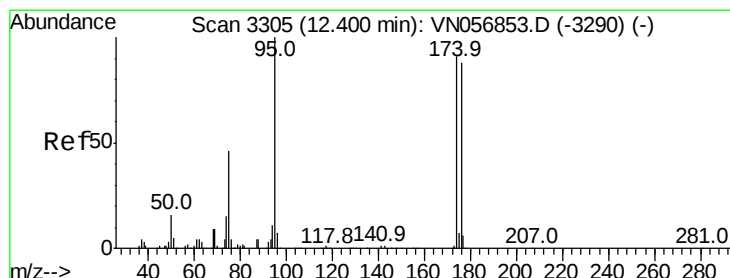
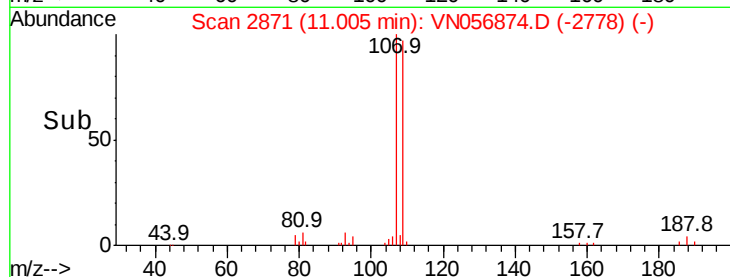
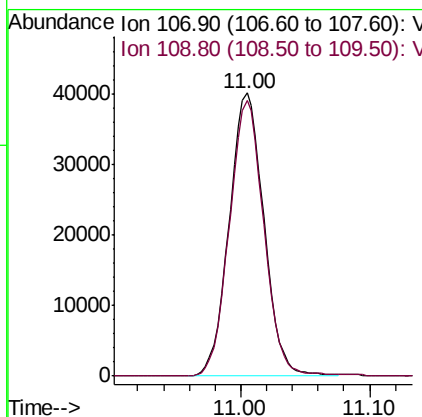
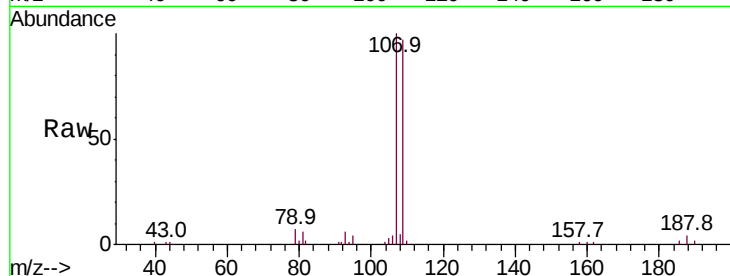
#61
 1,2-Dibromoethane
 Concen: 21.290 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.3	112.9

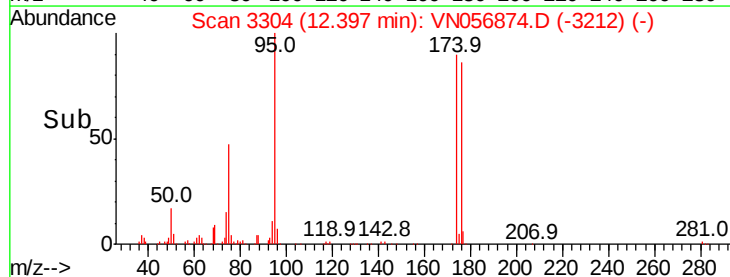
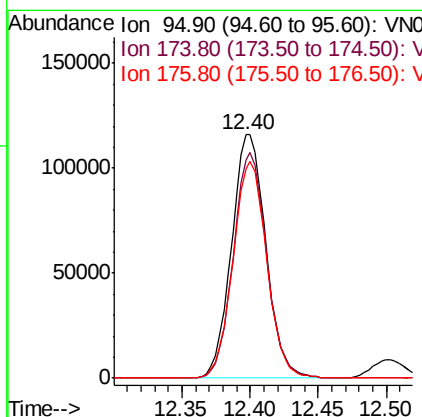
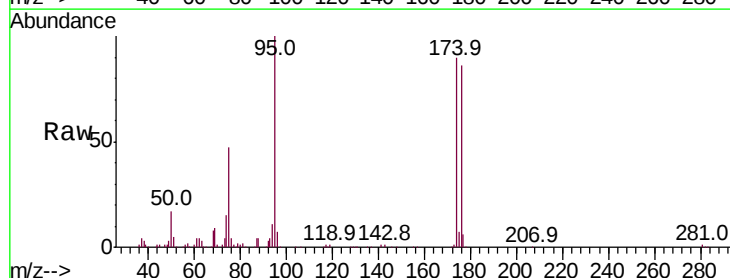
Manual Integrations
 APPROVED

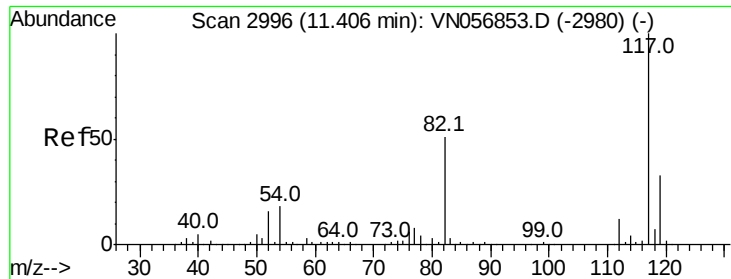
MMDadoda
 7/24/2019 1:14:04 PM



#62
 4-Bromofluorobenzene
 Concen: 49.324 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	183.4
176	87.5	0.0	175.8





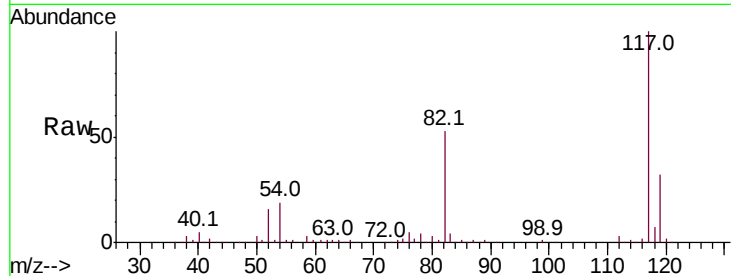
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.2	61.8
119	32.0	26.4	39.6

Manual Integrations
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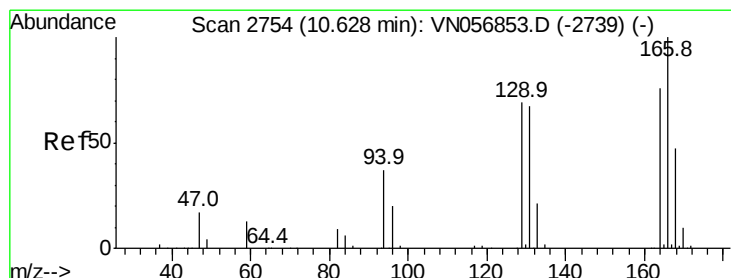
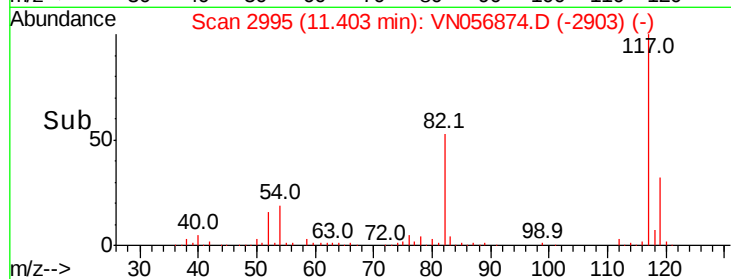
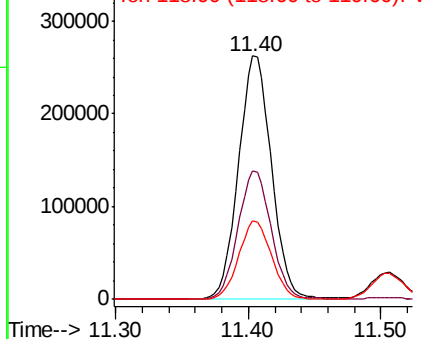


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.832 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	104.9	157.3
129	90.8	72.8	109.2
131	88.4	70.2	105.2

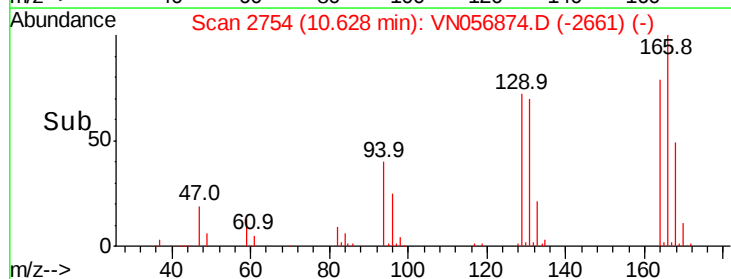
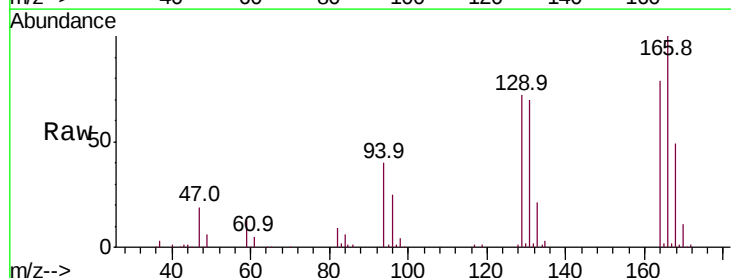
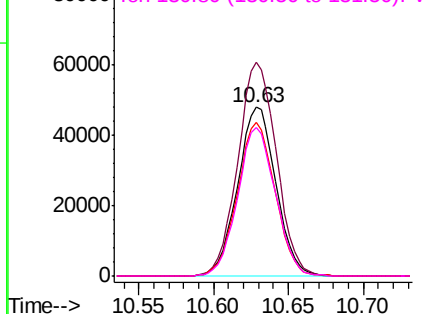
Abundance

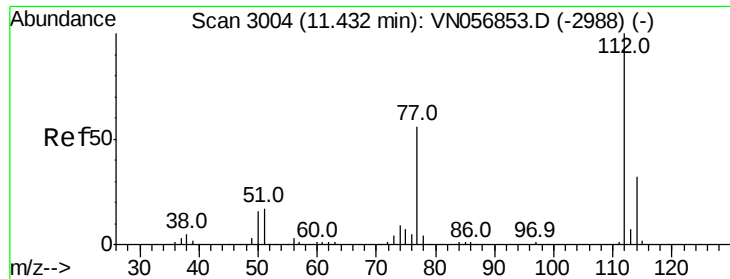
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





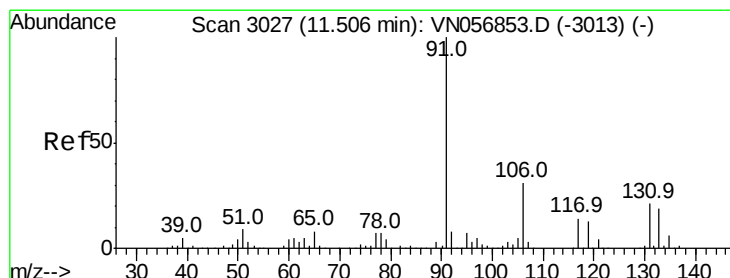
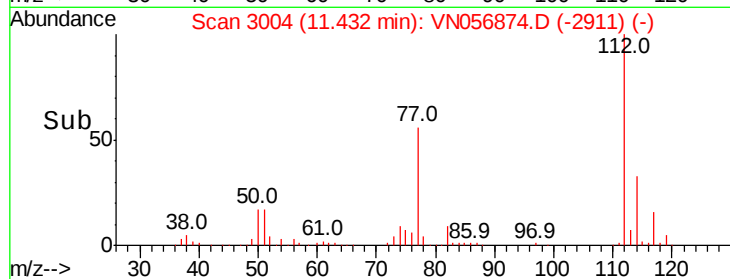
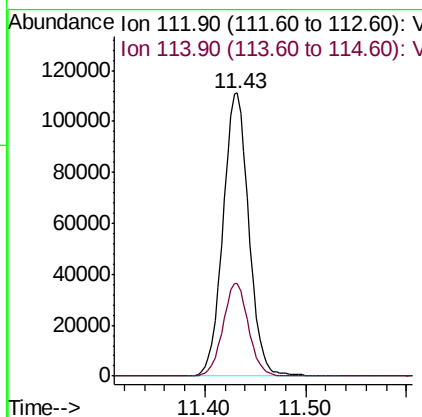
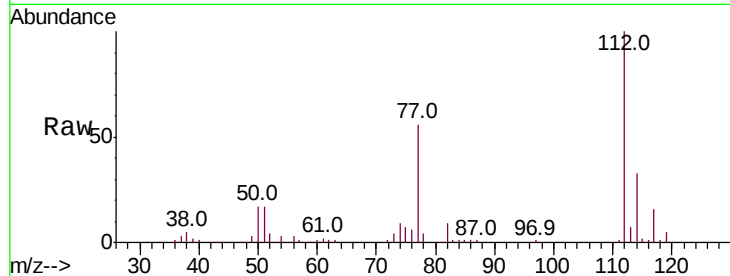
#65
Chlorobenzene
Concen: 21.013 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.5	38.3

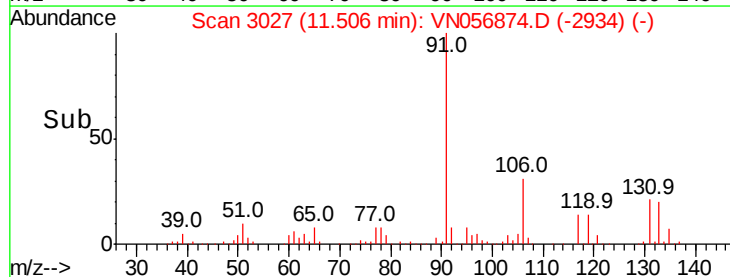
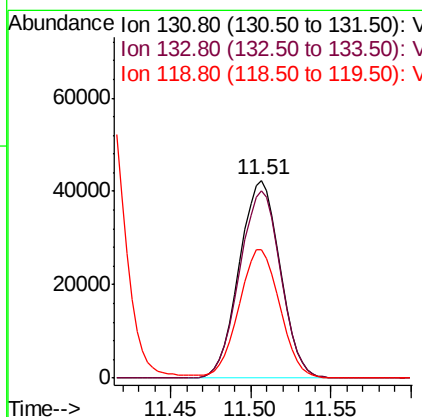
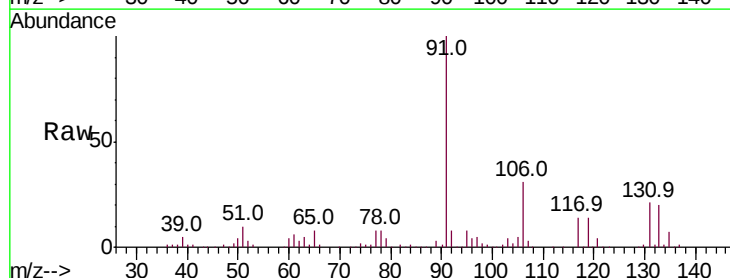
Manual Integrations
APPROVED

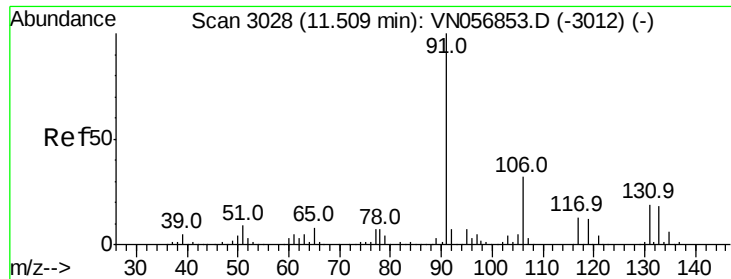
MMDadoda
7/24/2019 1:14:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.774 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.4	142.3
119	65.1	33.1	99.5





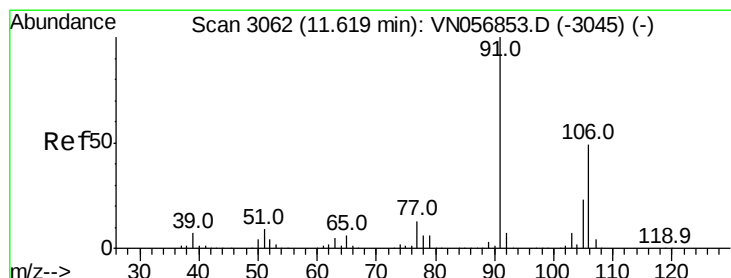
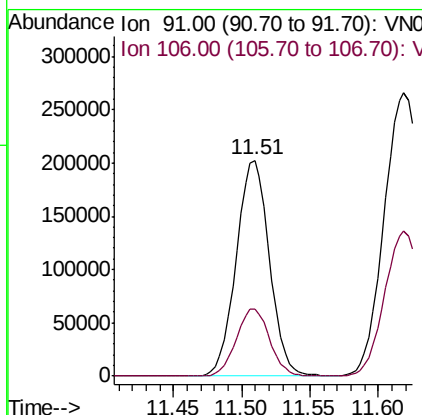
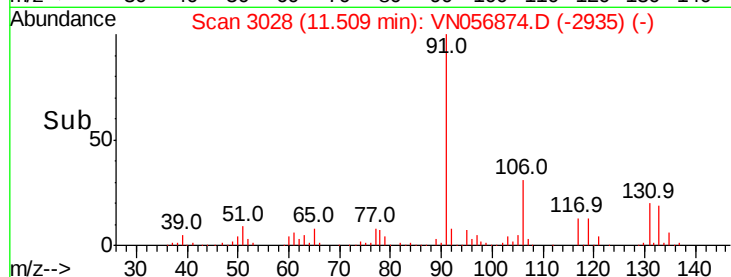
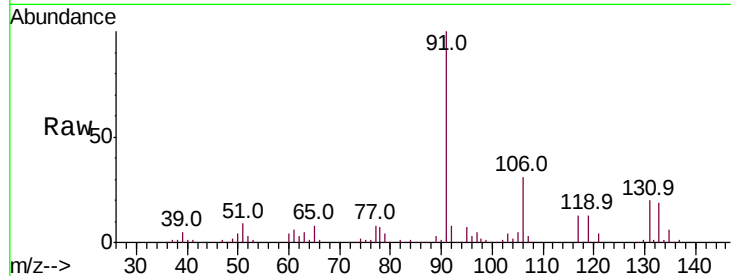
#67
Ethyl Benzene
Concen: 21.027 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion: 91 Resp: 342961
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

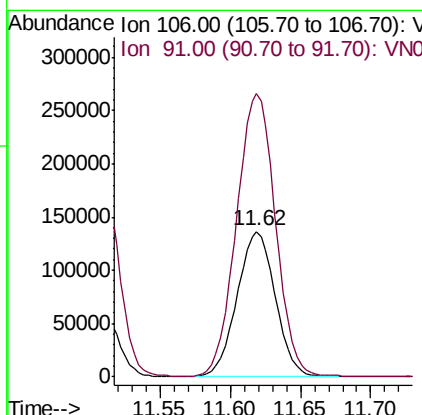
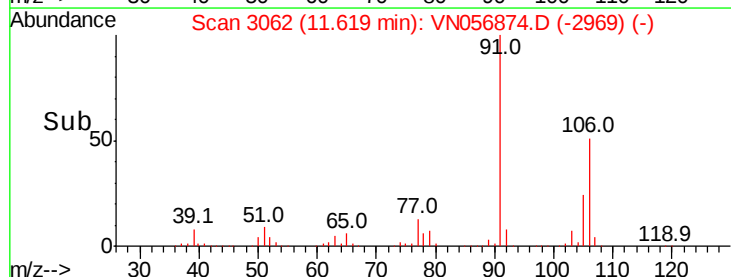
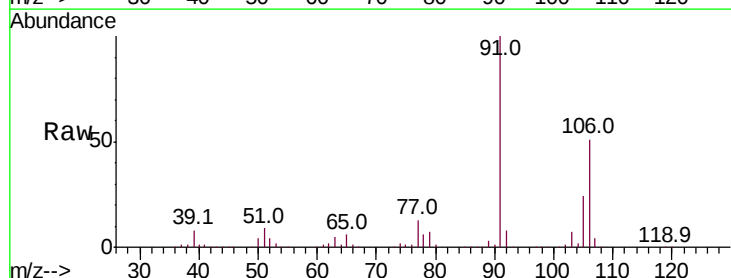
Manual Integrations
APPROVED

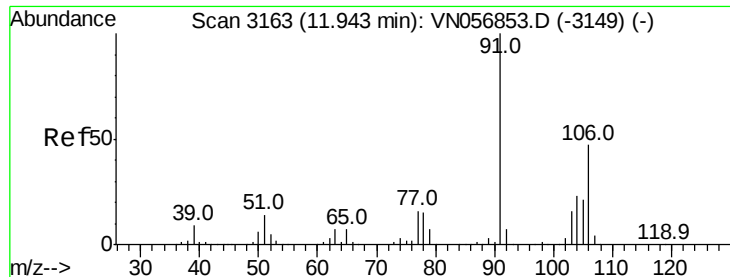
MMDadoda
7/24/2019 1:14:04 PM



#68
m/p-Xylenes
Concen: 42.239 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion: 106 Resp: 257923
Ion Ratio Lower Upper
106 100
91 200.3 160.5 240.7





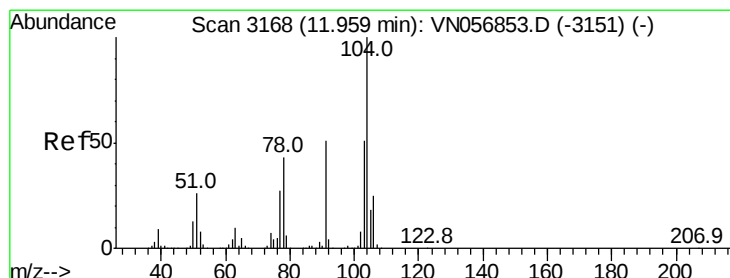
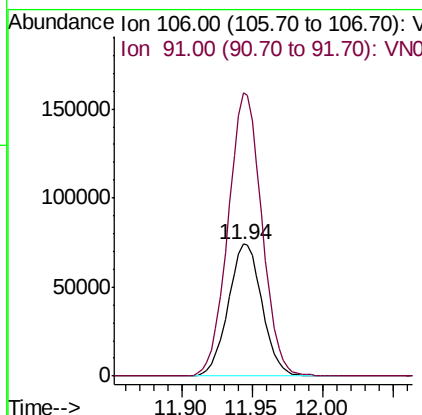
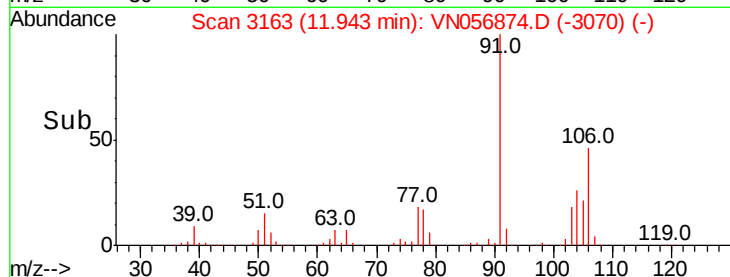
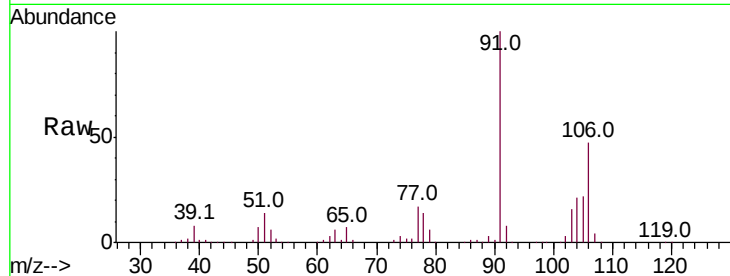
#69
o-Xylene
Concen: 20.852 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion:106 Resp: 124297
Ion Ratio Lower Upper
106 100
91 214.4 105.1 315.3

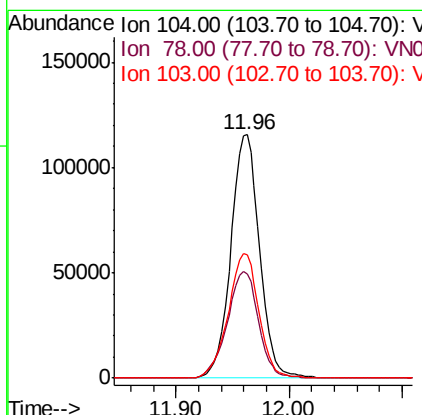
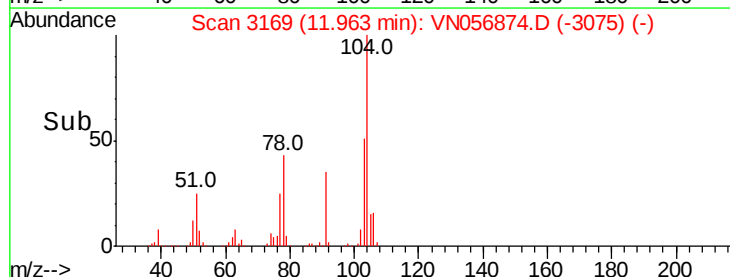
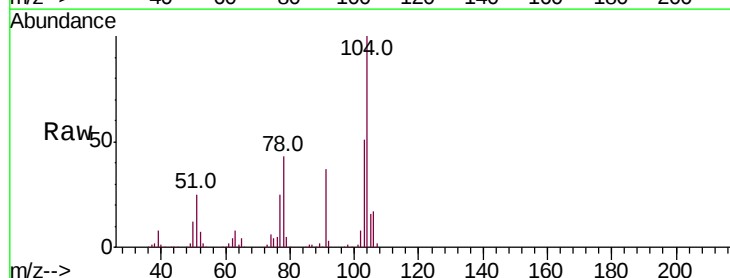
Manual Integrations
APPROVED

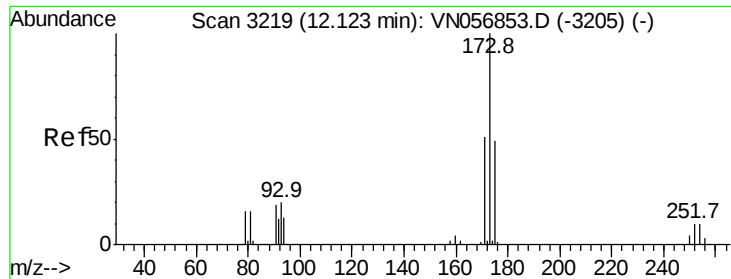
MMDadoda
7/24/2019 1:14:04 PM



#70
Styrene
Concen: 19.809 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion:104 Resp: 203898
Ion Ratio Lower Upper
104 100
78 48.0 38.1 57.1
103 54.9 44.2 66.4





#71

Bromoform

Concen: 20.787 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion:173 Resp: 51312

Ion Ratio Lower Upper

173 100

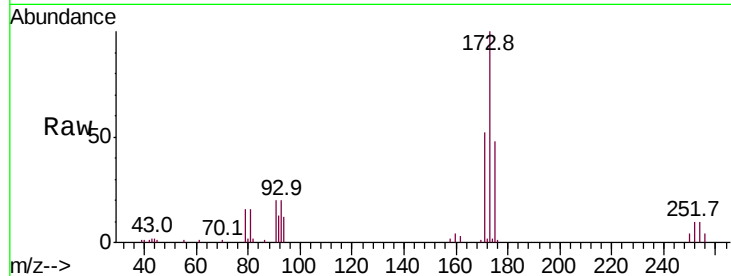
175 48.1 24.1 72.3

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

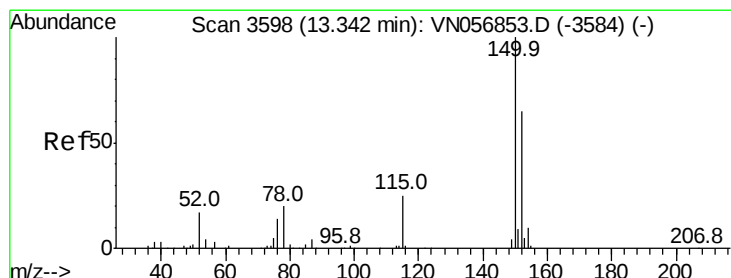
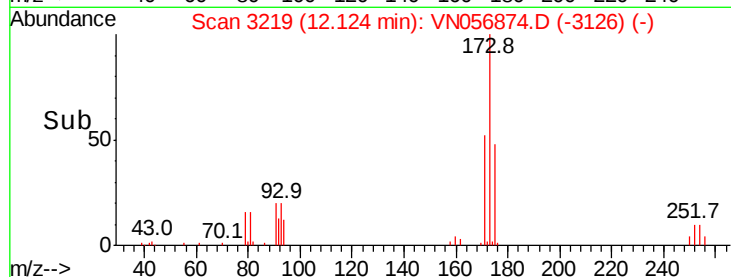
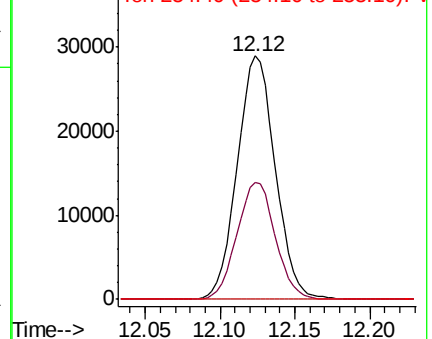
7/24/2019 1:14:04 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

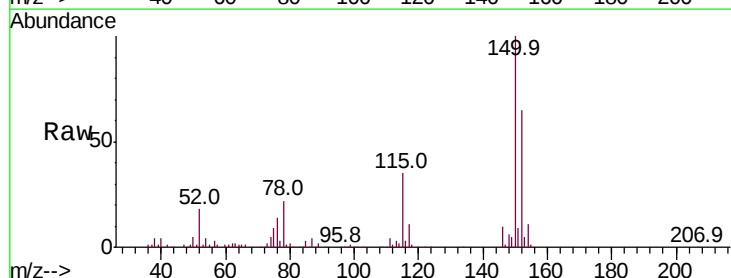
Tgt Ion:152 Resp: 181259

Ion Ratio Lower Upper

152 100

115 55.1 27.6 82.7

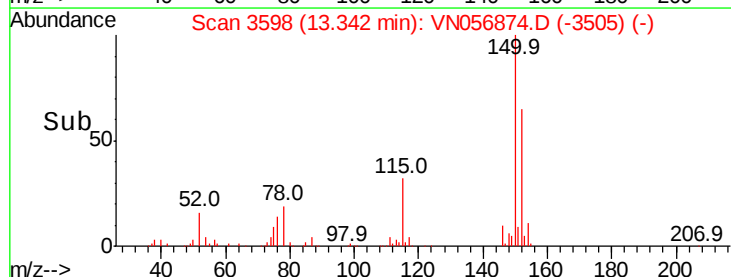
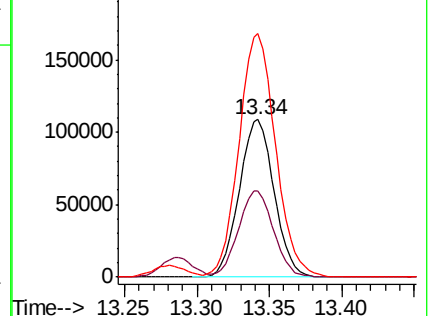
150 162.2 0.0 343.0

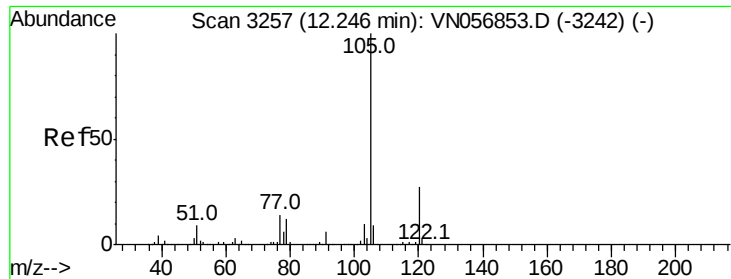


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.975 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion:105 Resp: 331135

Ion Ratio Lower Upper

105 100

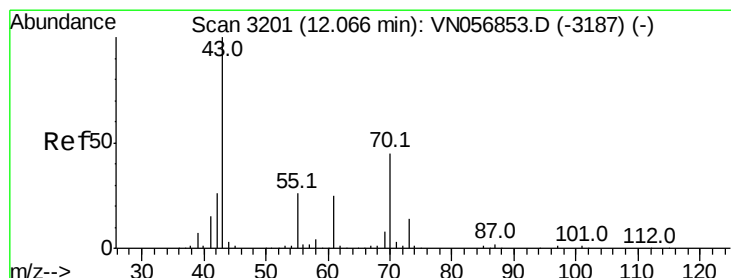
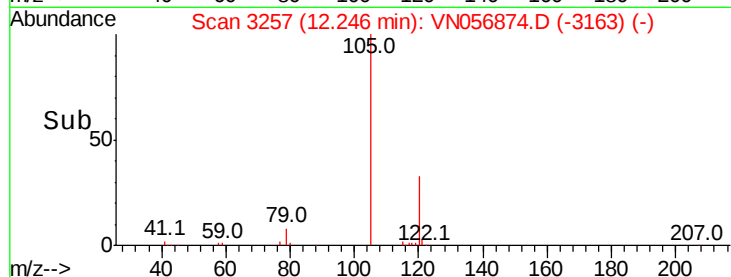
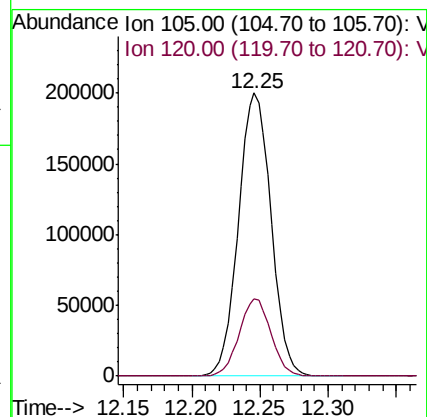
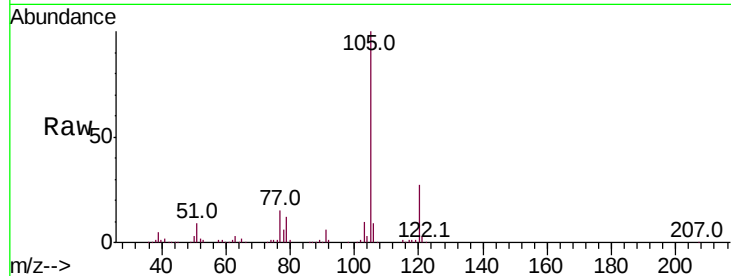
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.284 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Tgt Ion: 43 Resp: 107950

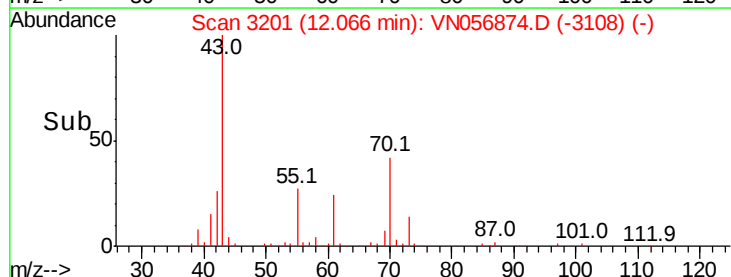
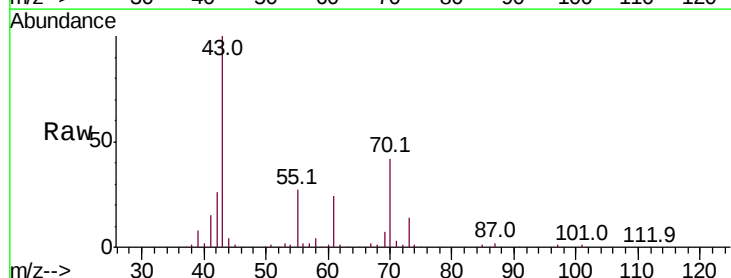
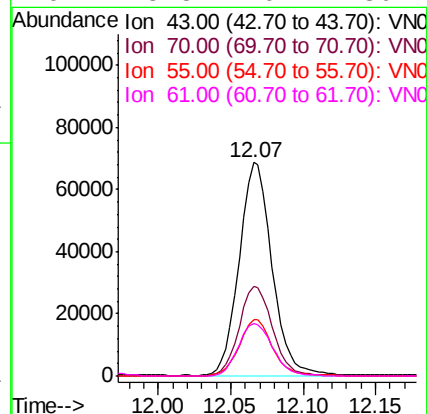
Ion Ratio Lower Upper

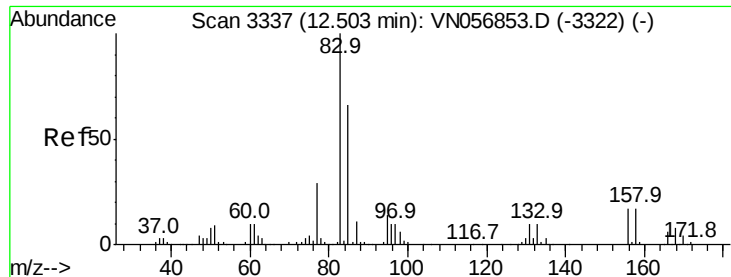
43 100

70 43.2 35.3 52.9

55 27.0 20.6 31.0

61 25.8 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.386 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

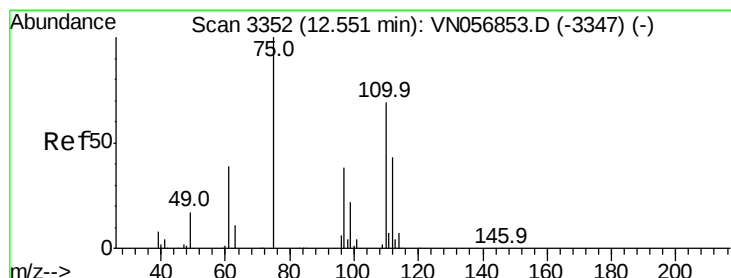
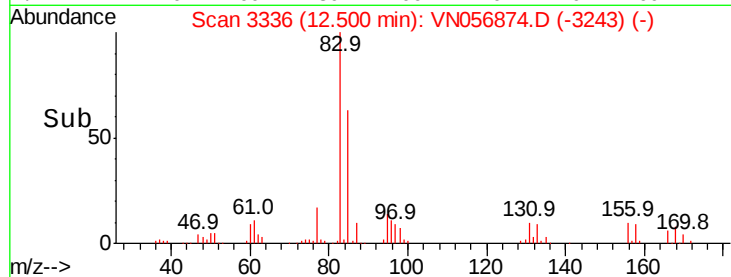
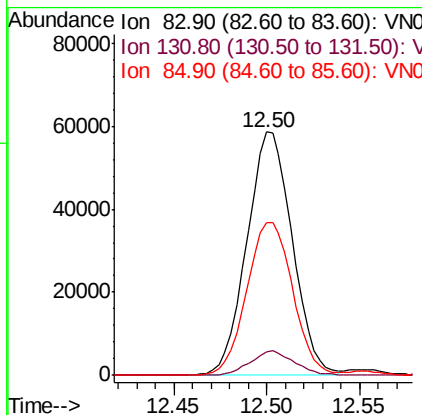
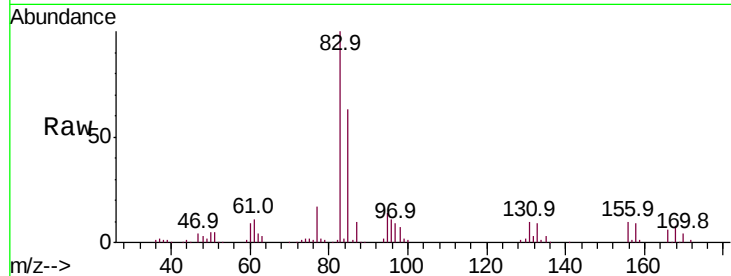
ClientSampleId :

VN0723WBSD01

Tot Ion:	83	Resp:	99558
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.4
85	63.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.993 ug/l m

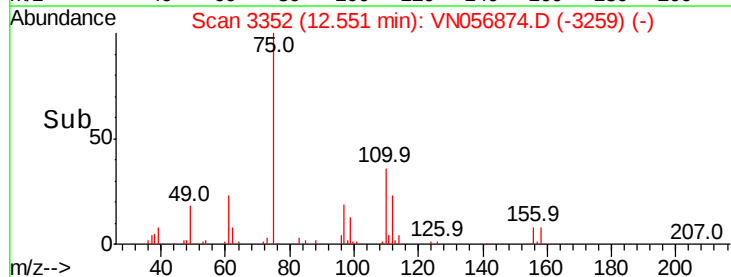
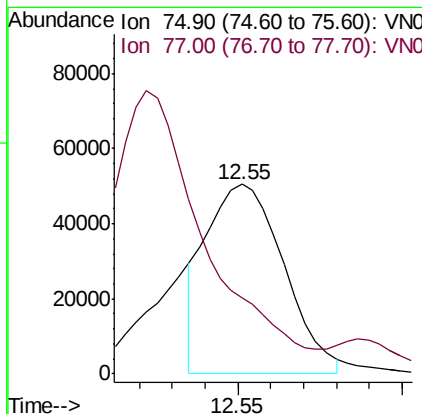
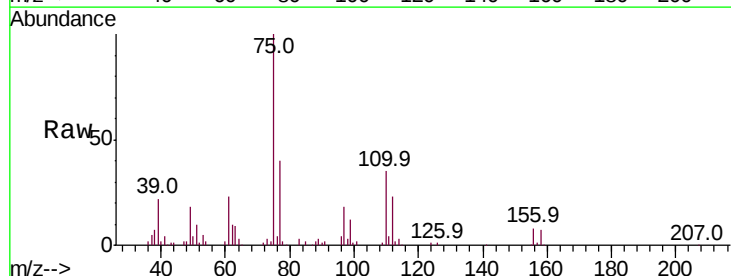
RT: 12.55 min Scan# 3352

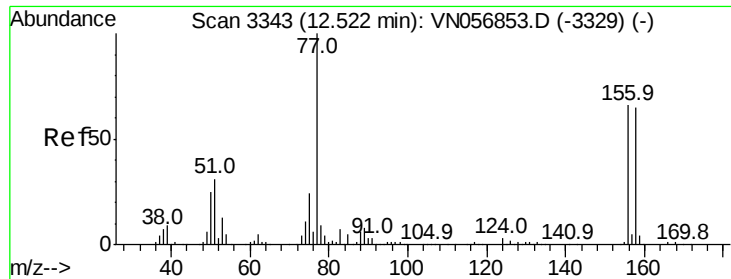
Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Tgt Ion:	75	Resp:	82616
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.008 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleID :

VN0723WBSD01

Tot Ion:156 Resp: 87013

Ion Ratio Lower Upper

156 100

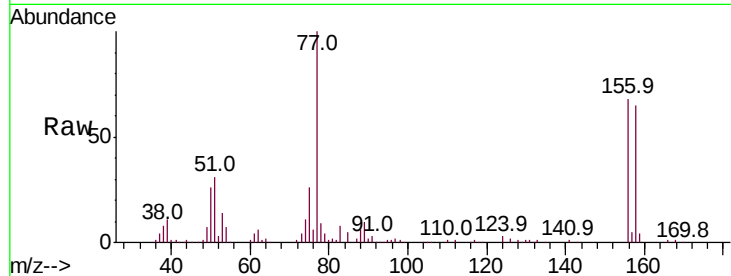
77 181.1 90.7 272.1

158 95.8 48.5 145.5

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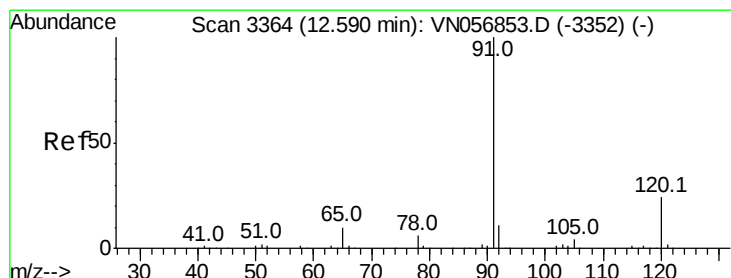
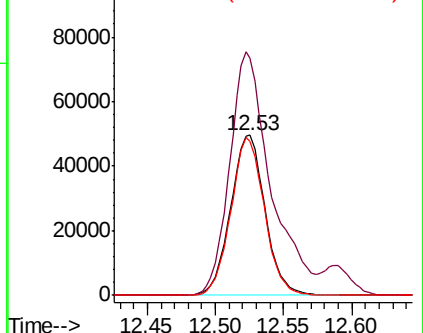
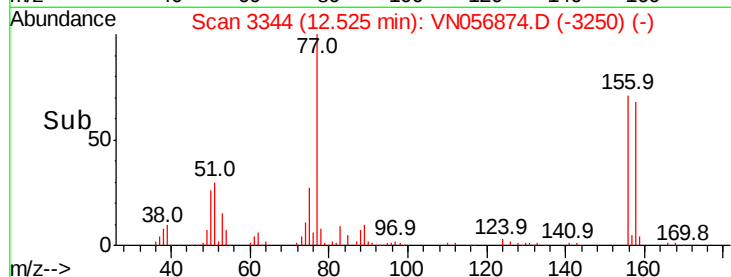
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.470 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056874.D

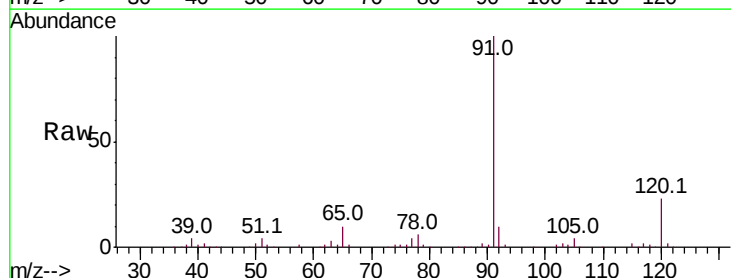
Acq: 23 Jul 2019 13:23

Tgt Ion: 91 Resp: 357703

Ion Ratio Lower Upper

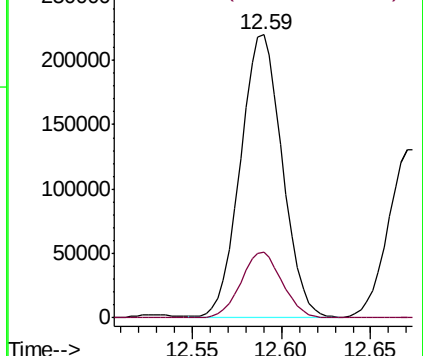
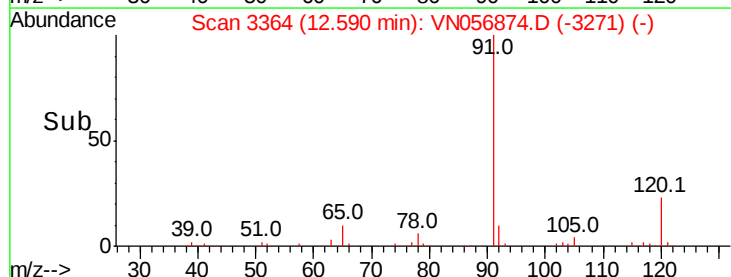
91 100

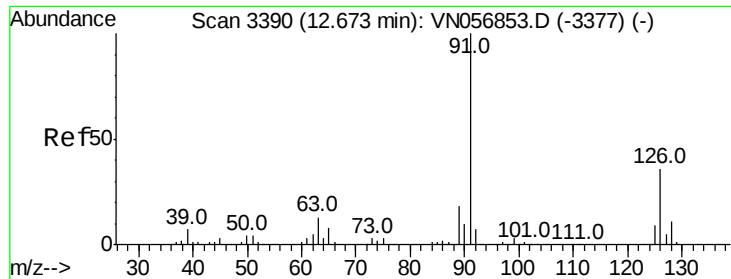
120 23.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.136 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion: 91 Resp: 218957

Ion Ratio Lower Upper

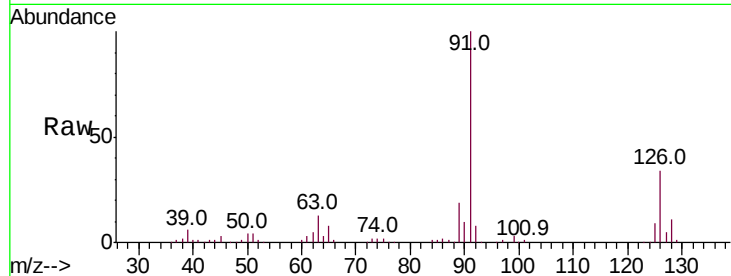
91 100

126 35.5 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VN056874.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056874.D (-3377) (-)

200000

150000

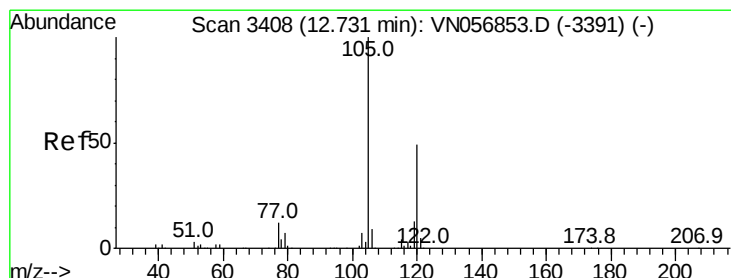
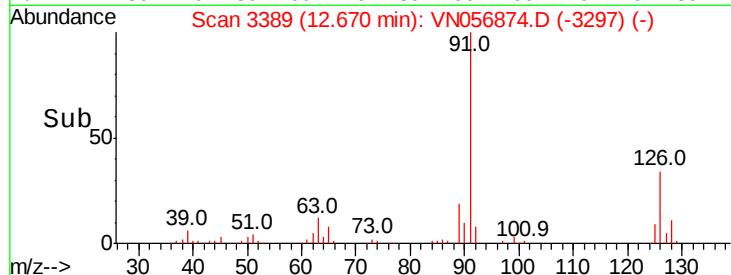
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.969 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056874.D

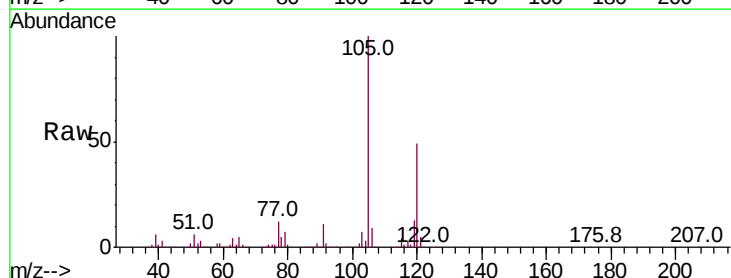
Acq: 23 Jul 2019 13:23

Tgt Ion: 105 Resp: 278330

Ion Ratio Lower Upper

105 100

120 49.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056874.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056874.D (-3315) (-)

200000

150000

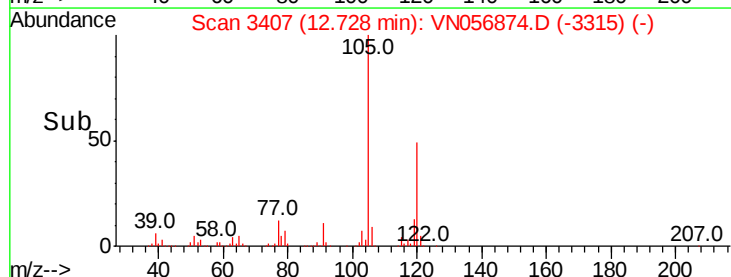
100000

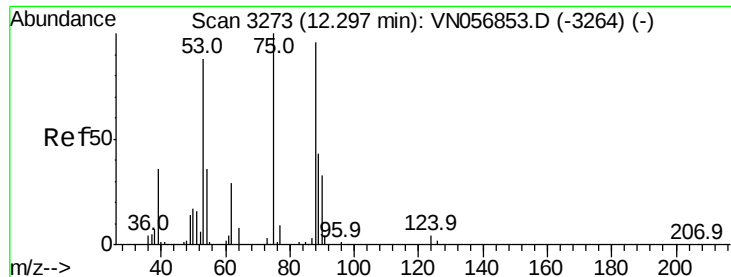
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.558 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

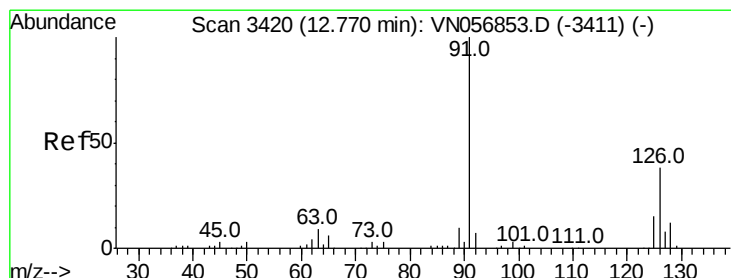
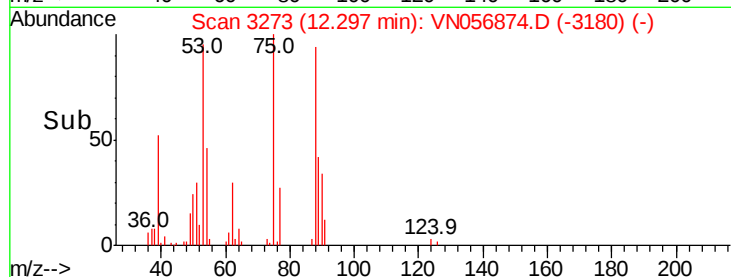
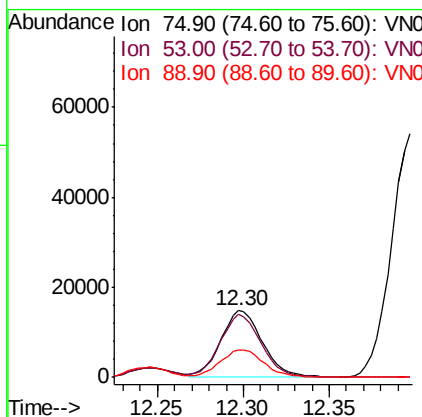
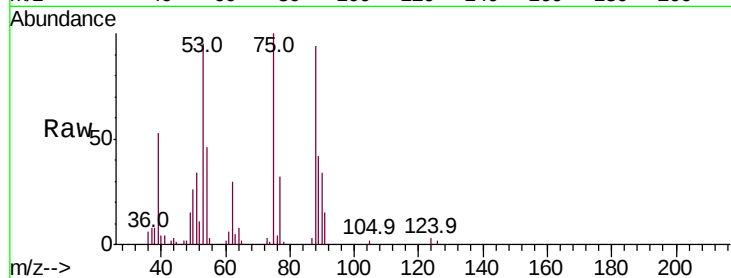
ClientSampleId :

VN0723WBSD01

Tot Ion:	75	Resp:	25284
Ion	Ratio	Lower	Upper
75	100		
53	93.0	72.3	108.5
89	43.1	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.646 ug/l

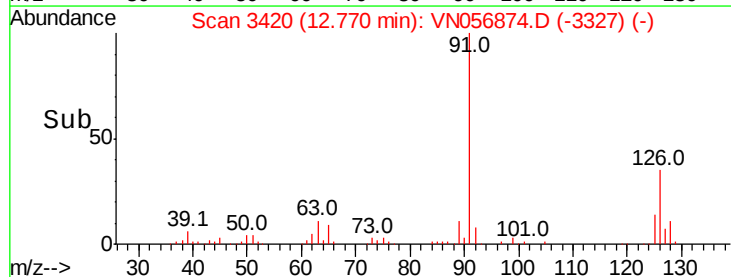
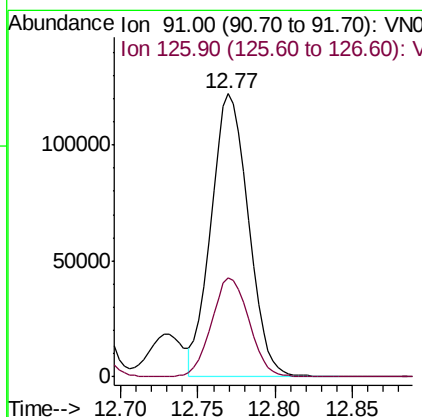
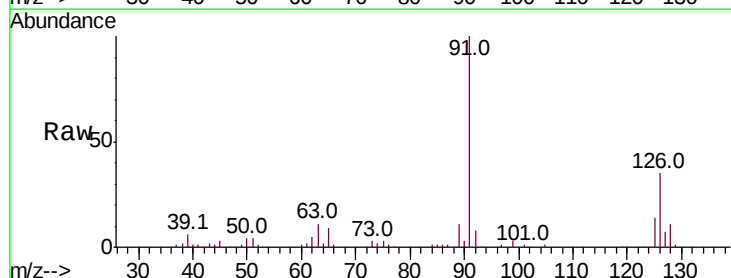
RT: 12.77 min Scan# 3420

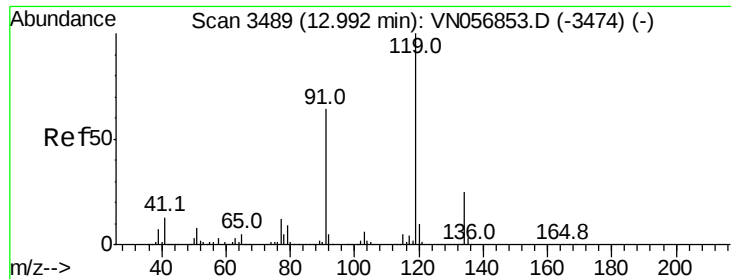
Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Tgt Ion:	91	Resp:	204647
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.3	52.0





#83

tert-Butylbenzene

Concen: 22.130 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

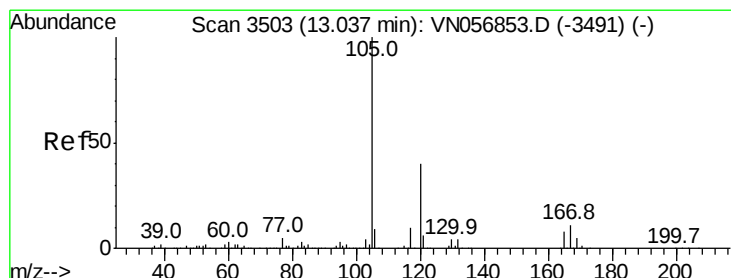
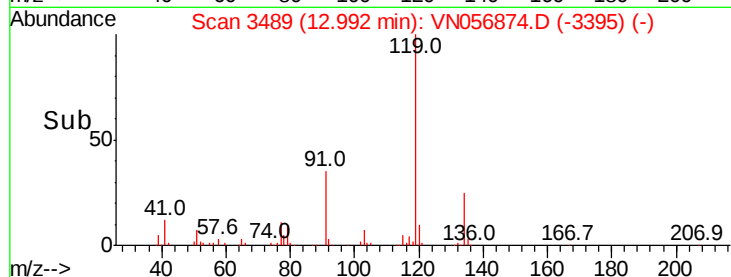
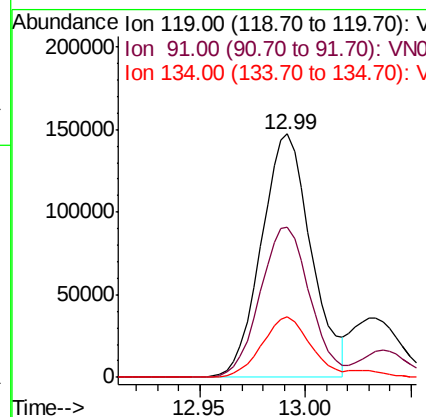
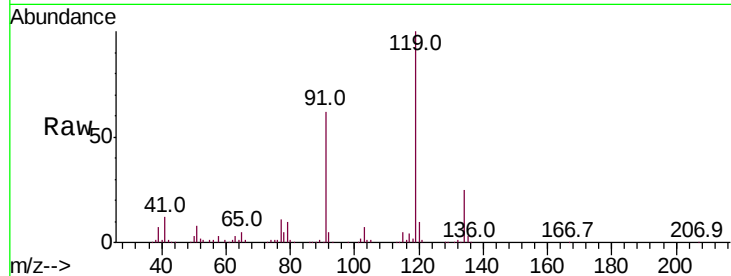
ClientSampleId :

VN0723WBSD01

Tot Ion:119	Resp:	241988
Ion Ratio	Lower	Upper
119 100		
91 62.0	31.5	94.5
134 24.5	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.580 ug/l

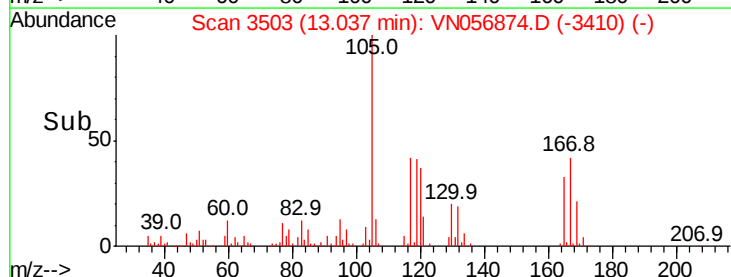
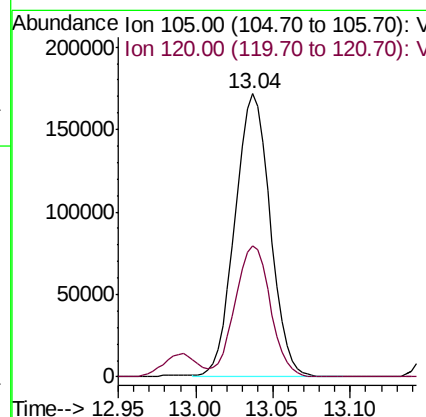
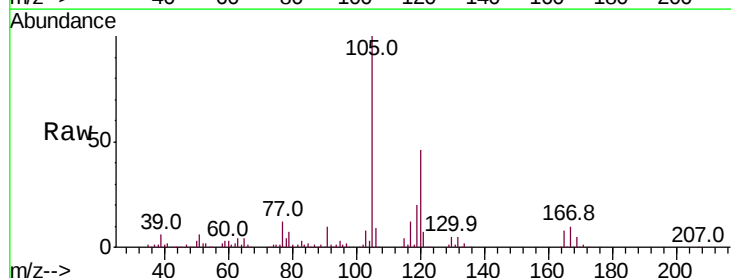
RT: 13.04 min Scan# 3503

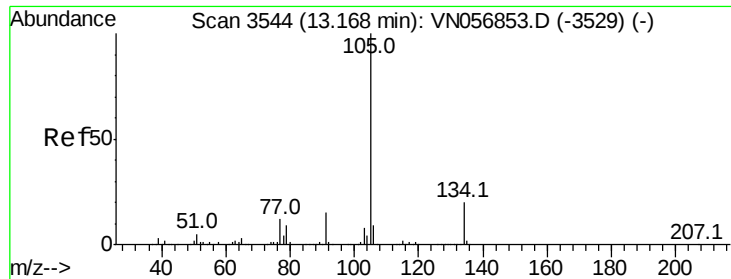
Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Tgt Ion:105	Resp:	270985
Ion Ratio	Lower	Upper
105 100		
120 46.7	23.2	69.5





#85

sec-Butylbenzene

Concen: 21.009 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBSD01

Tot Ion:105 Resp: 310028

Ion Ratio Lower Upper

105 100

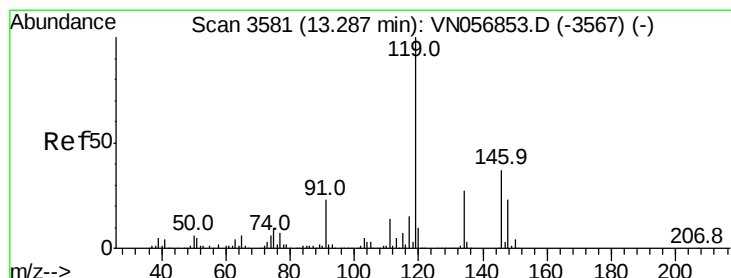
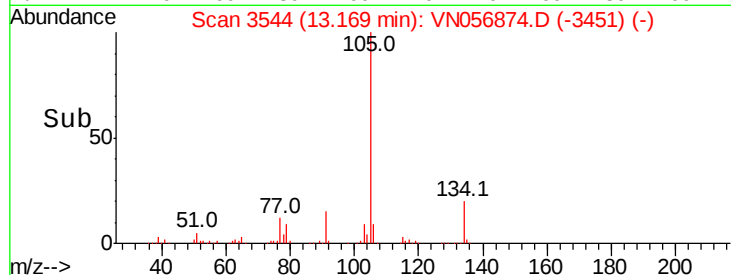
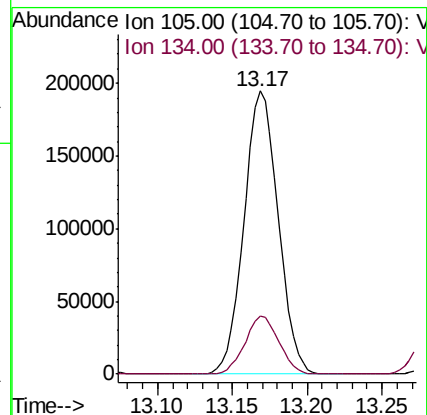
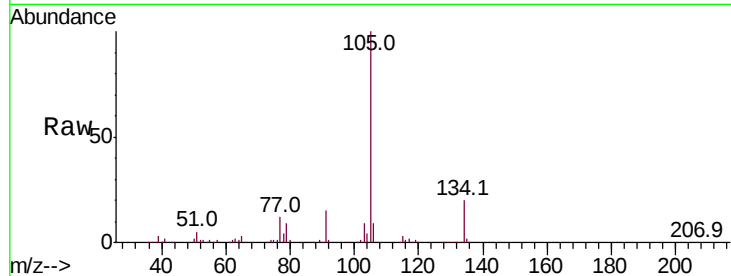
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.974 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056874.D

Acq: 23 Jul 2019 13:23

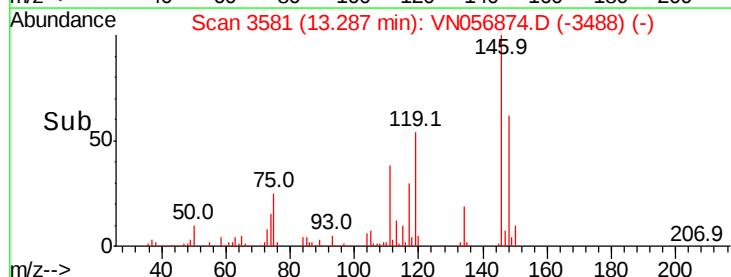
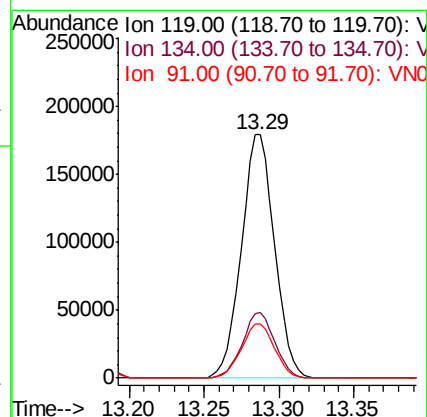
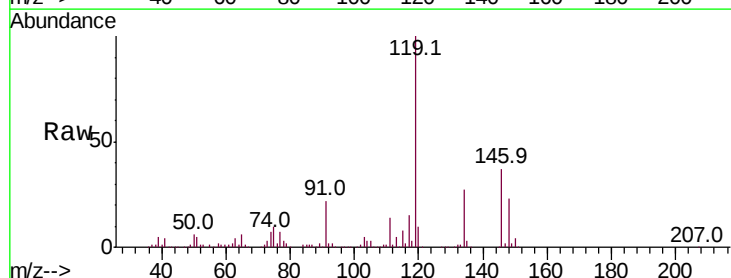
Tgt Ion:119 Resp: 275730

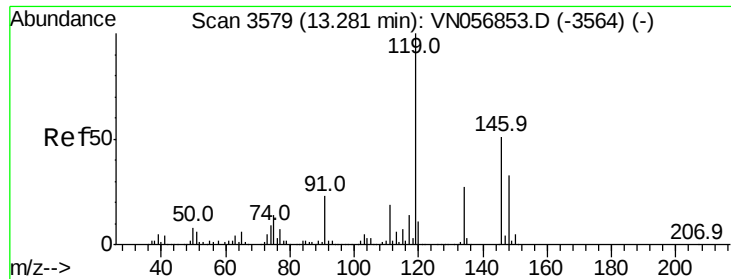
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 22.5 11.3 33.8





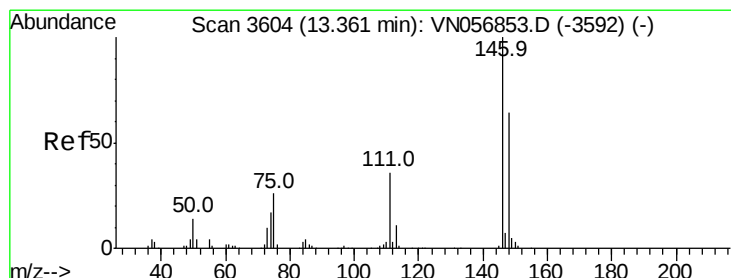
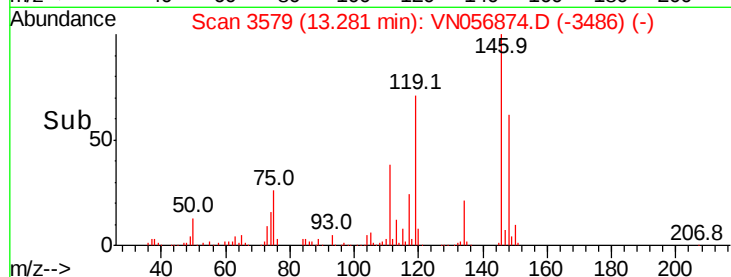
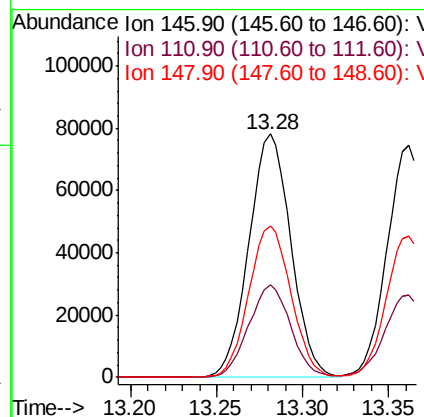
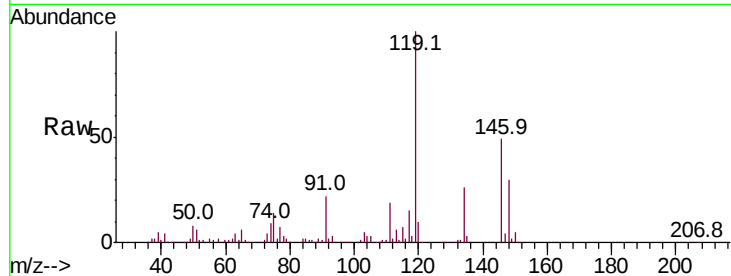
#87
 1,3-Dichlorobenzene
 Concen: 20.879 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.5
148	62.4	32.1	96.3

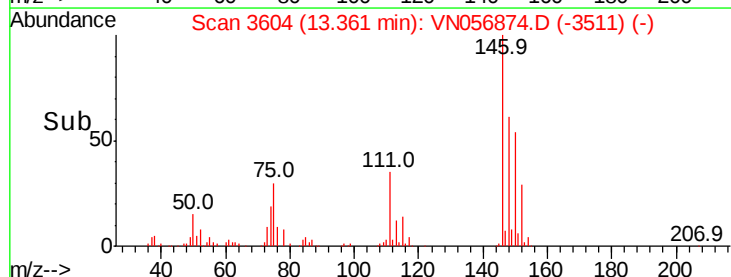
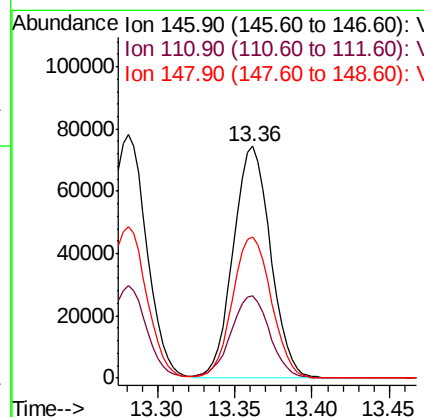
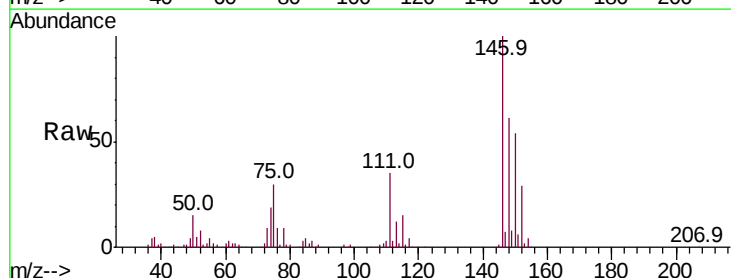
Manual Integrations
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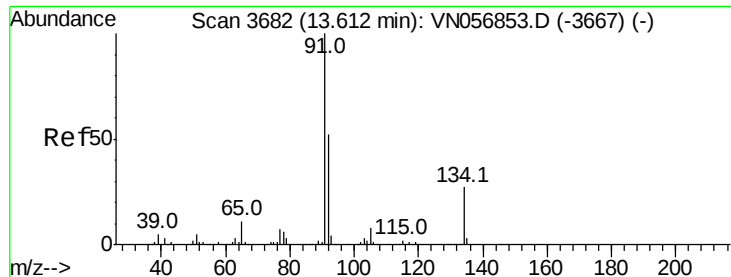
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 7/24/2019 1:14:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.276 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	63.2	32.1	96.3





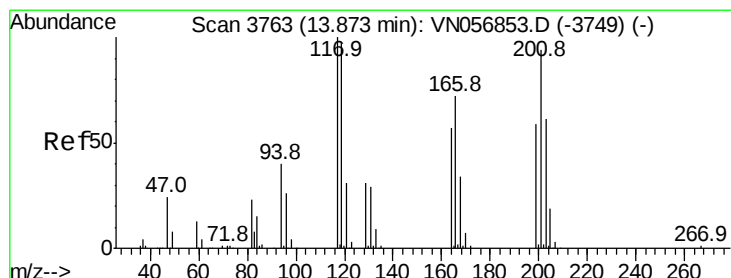
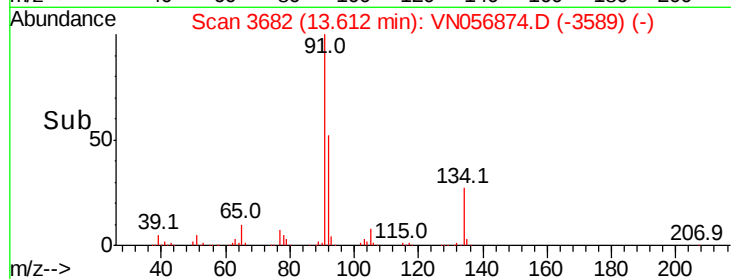
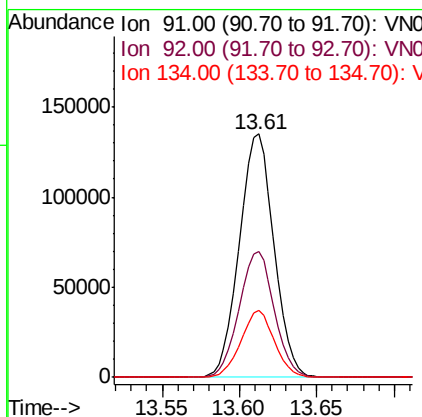
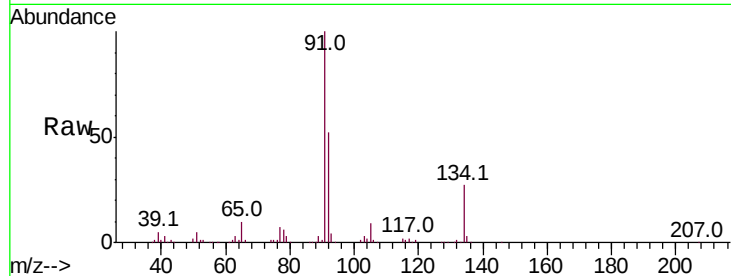
#89
n-Butylbenzene
Concen: 20.829 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.6	13.3	39.9

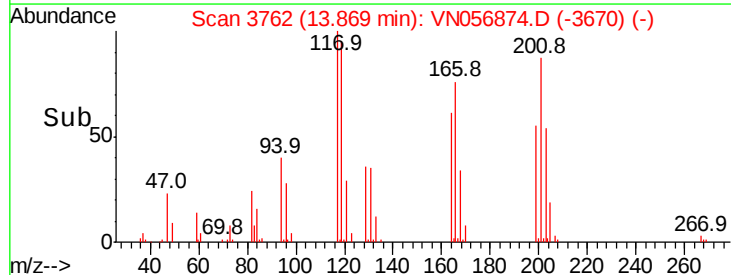
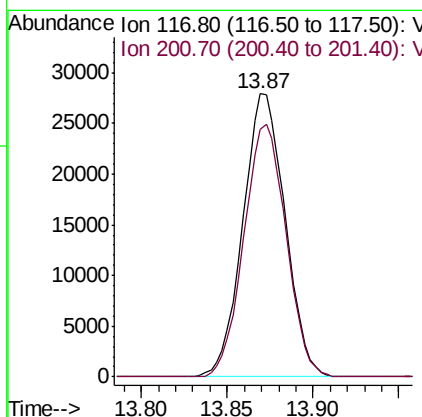
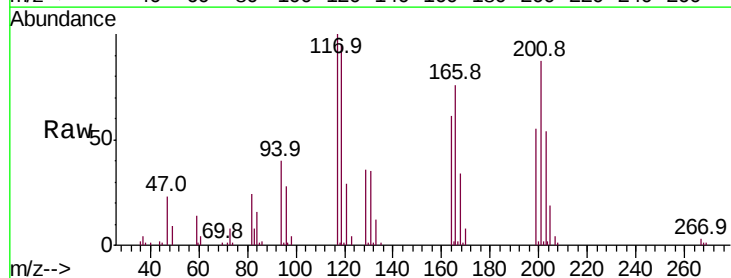
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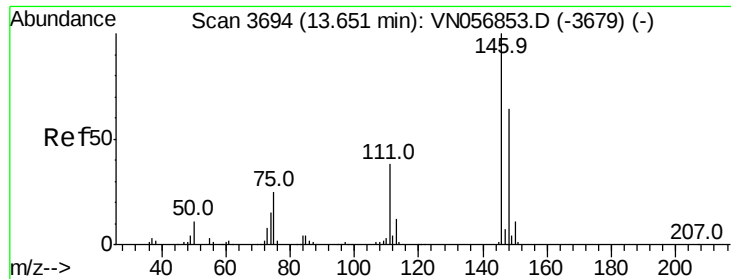
MMDadoda
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#90
Hexachloroethane
Concen: 20.721 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	47.1	141.3





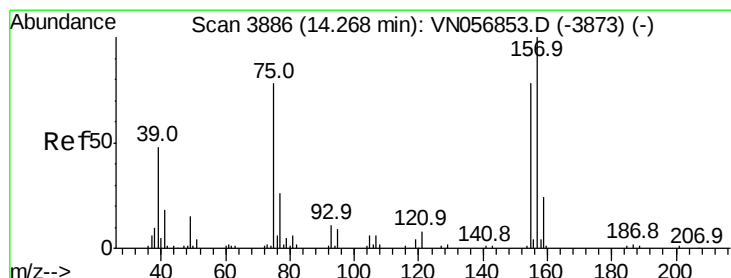
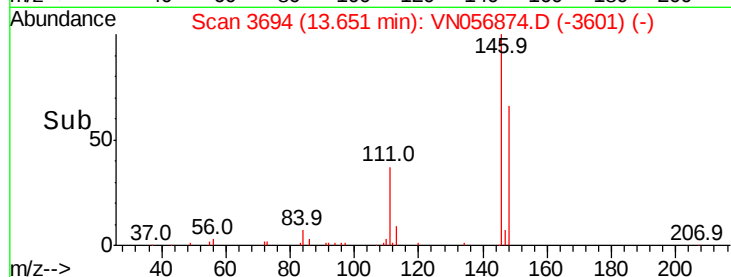
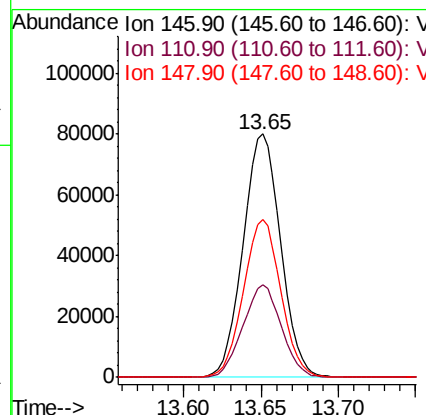
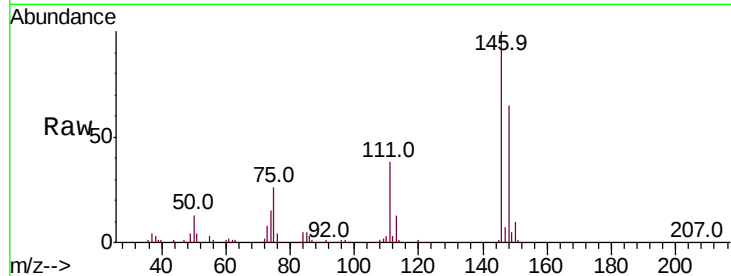
#91
 1,2-Dichlorobenzene
 Concen: 21.232 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.3	32.1	96.5

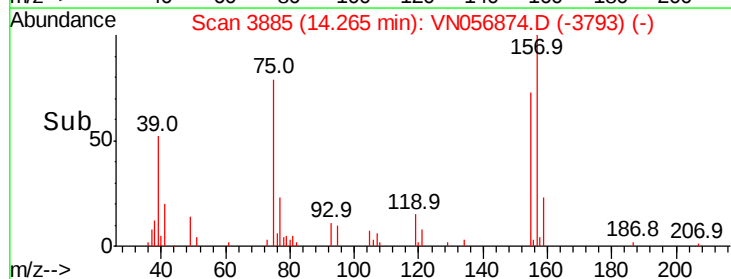
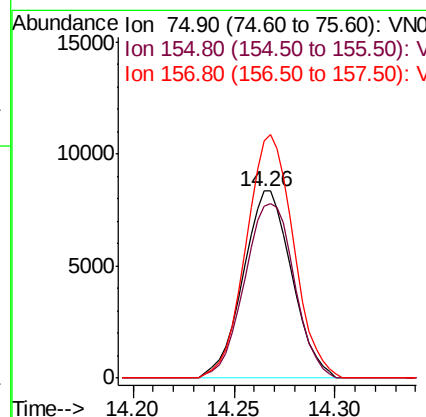
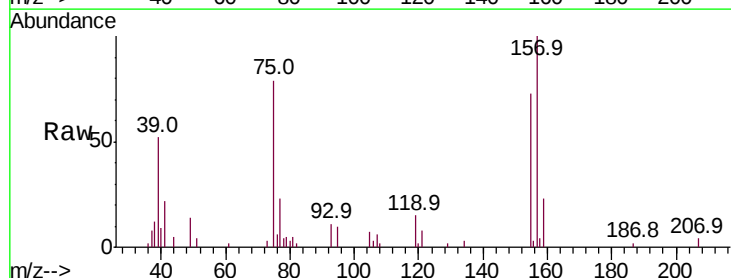
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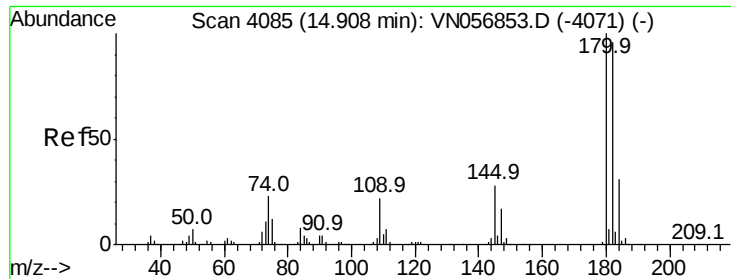
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.379 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	49.9	149.6
157	126.4	64.8	194.4





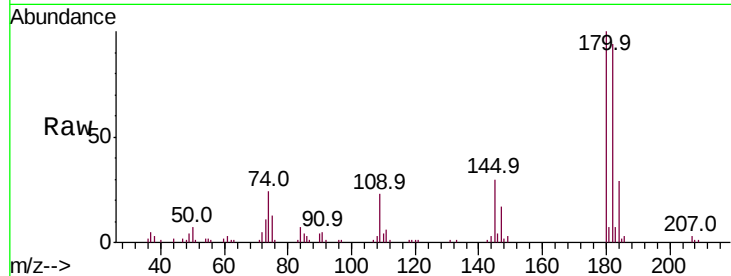
#93
 1,2,4-Trichlorobenzene
 Concen: 18.242 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	28.9	14.1	42.3

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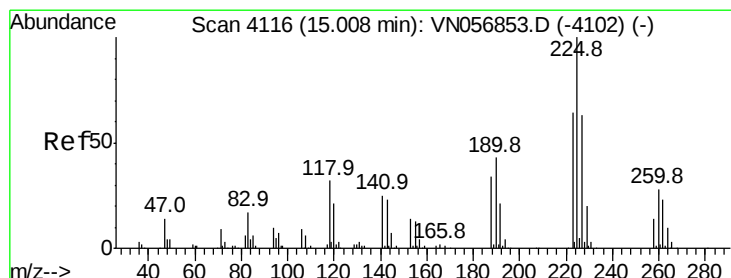
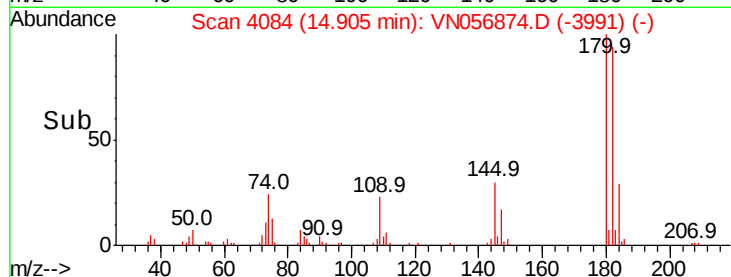
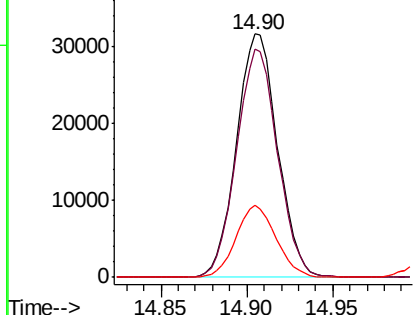


Abundance

Ion 179.80 (179.50 to 180.50): V

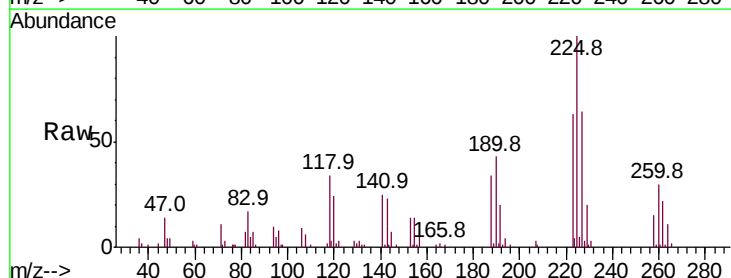
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.773 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056874.D
 Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.5
227	64.2	31.7	95.1

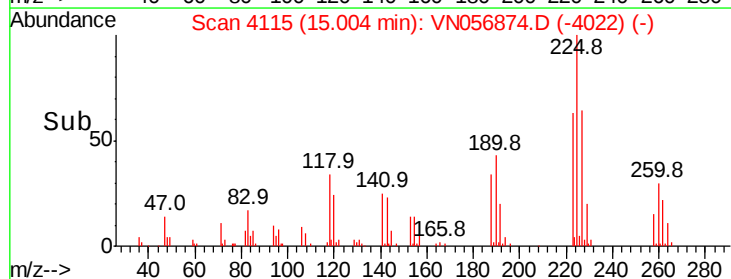
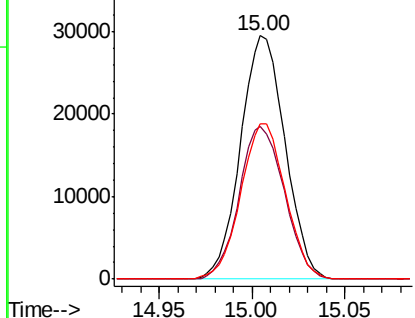


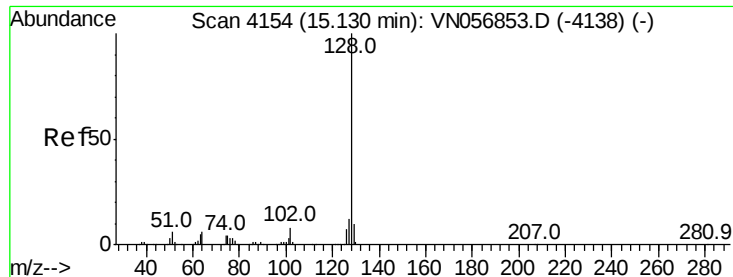
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





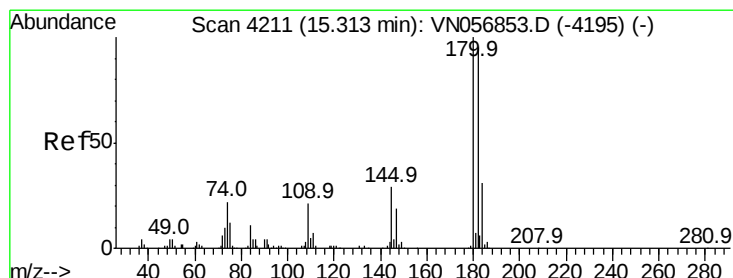
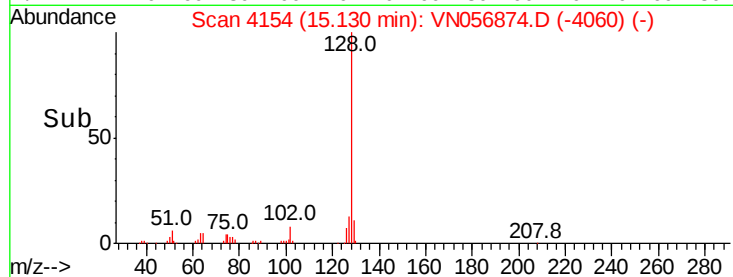
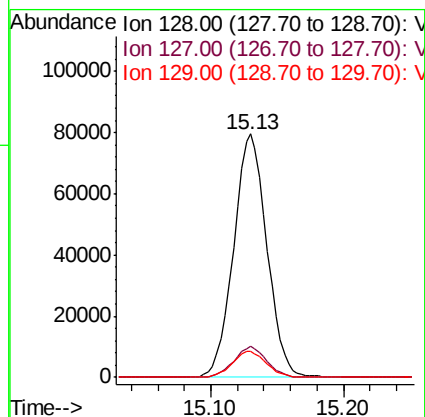
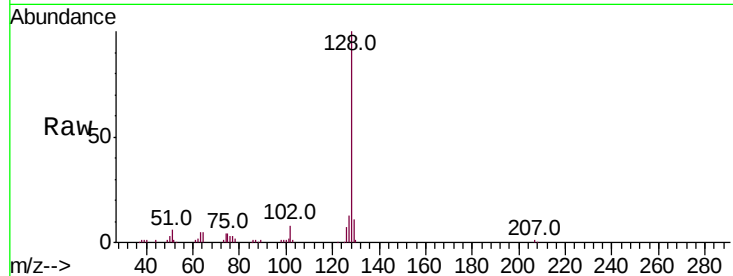
#95
Naphthalene
Concen: 18.126 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	11.0	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 18.953 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056874.D
Acq: 23 Jul 2019 13:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.3
145	31.0	14.7	44.1

