

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056872.D
 Acq On : 23 Jul 2019 12:34
 Operator : JC/SP
 Sample : VN0723WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2019 1:14:00 PM

Quant Time: Jul 24 01:39:22 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	385932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	579062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	512153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	197316	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	176910	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	674319	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	215618	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94916	19.849	ug/l	98
3) Chloromethane	2.06	50	110628	20.539	ug/l	98
4) Vinyl Chloride	2.19	62	100076	20.225	ug/l	98
5) Bromomethane	2.55	94	58190	19.334	ug/l	96
6) Chloroethane	2.70	64	55617	20.511	ug/l	95
7) Trichlorofluoromethane	3.01	101	123756	20.473	ug/l	100
8) Diethyl Ether	3.40	74	45085	20.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78445	20.983	ug/l	97
10) Methyl Iodide	3.94	142	97130	18.562	ug/l	99
11) Tert butyl alcohol	4.81	59	67852	116.031	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	75009	20.028	ug/l	99
13) Acrolein	3.60	56	38148	78.403	ug/l	96
14) Allyl chloride	4.31	41	122571	19.907	ug/l	99
15) Acrylonitrile	4.99	53	185857	105.623	ug/l	99
16) Acetone	3.82	43	167025	112.672	ug/l	100
17) Carbon Disulfide	4.04	76	194871	19.064	ug/l	100
18) Methyl Acetate	4.33	43	105379	20.608	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	226161	20.439	ug/l	100
20) Methylene Chloride	4.54	84	91240	20.584	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	79480	20.316	ug/l	96
22) Diisopropyl ether	5.96	45	259513	20.848	ug/l	98
23) Vinyl Acetate	5.90	43	930492	103.482	ug/l	99
24) 1,1-Dichloroethane	5.85	63	146898	20.368	ug/l	100
25) 2-Butanone	6.84	43	241687	110.919	ug/l	100
26) 2,2-Dichloropropane	6.82	77	107993	21.399	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	91612	20.426	ug/l	99
28) Bromochloromethane	7.19	49	65863	20.119	ug/l	99
29) Tetrahydrofuran	7.21	42	161060	107.509	ug/l	100
30) Chloroform	7.37	83	144582	19.998	ug/l	98
31) Cyclohexane	7.65	56	139994	20.008	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	120366	20.579	ug/l	100
36) 1,1-Dichloropropene	7.79	75	110027	20.604	ug/l	98
37) Ethyl Acetate	6.93	43	98138	22.789	ug/l	99
38) Carbon Tetrachloride	7.77	117	102733	20.209	ug/l	99

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Manual Integrations
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MMDadoda
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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	134107	20.069	ug/l	96
40) Benzene	8.04	78	338224	20.390	ug/l	100
41) Methacrylonitrile	7.18	41	44700m	20.906	ug/l	
42) 1,2-Dichloroethane	8.12	62	106317	20.513	ug/l	100
43) Isopropyl Acetate	8.17	43	154938	20.929	ug/l	99
44) Trichloroethene	8.83	130	91433	20.581	ug/l	99
45) 1,2-Dichloropropane	9.12	63	90237	20.194	ug/l	100
46) Dibromomethane	9.21	93	56196	20.375	ug/l	99
47) Bromodichloromethane	9.40	83	105110	20.264	ug/l	96
48) Methyl methacrylate	9.20	41	77628	20.961	ug/l	99
49) 1,4-Dioxane	9.20	88	31597	434.958	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	476829	108.010	ug/l	99
52) Toluene	10.15	92	208034	20.841	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	110397	20.738	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	128416	20.461	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82330	20.781	ug/l	98
56) Ethyl methacrylate	10.43	69	116958	21.266	ug/l	99
57) 1,3-Dichloropropane	10.71	76	137212	20.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	228494	91.926	ug/l	99
59) 2-Hexanone	10.75	43	340613	111.464	ug/l	99
60) Dibromochloromethane	10.90	129	82272	20.695	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84375	21.444	ug/l	100
64) Tetrachloroethene	10.63	164	95932	21.834	ug/l	98
65) Chlorobenzene	11.43	112	219795	20.652	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82675	20.605	ug/l	99
67) Ethyl Benzene	11.51	91	385351	20.973	ug/l	99
68) m/p-Xylenes	11.62	106	285958	41.573	ug/l	98
69) o-Xylene	11.94	106	139280	20.742	ug/l	98
70) Styrene	11.96	104	228252	19.689	ug/l	99
71) Bromoform	12.12	173	57279	20.600	ug/l #	100
73) Isopropylbenzene	12.25	105	368142	20.942	ug/l	100
74) N-amyl acetate	12.07	43	124454	20.198	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108164	21.704	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	92496m	21.268	ug/l	
77) Bromobenzene	12.52	156	96505	21.083	ug/l	100
78) n-propylbenzene	12.59	91	397964	20.632	ug/l	99
79) 2-Chlorotoluene	12.67	91	244273	21.208	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	311397	21.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28209	20.774	ug/l	93
82) 4-Chlorotoluene	12.77	91	234027	20.393	ug/l	100
83) tert-Butylbenzene	12.99	119	263279	20.579	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	303626	20.884	ug/l	100
85) sec-Butylbenzene	13.17	105	348877	20.420	ug/l	99
86) p-Isopropyltoluene	13.29	119	305621	20.080	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	149835	20.420	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	141784	19.890	ug/l	99
89) n-Butylbenzene	13.61	91	241045	20.598	ug/l	99
90) Hexachloroethane	13.87	117	52430	19.731	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	151047	20.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15971	19.890	ug/l	98

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ClientSampleId :
VN0723WBS01

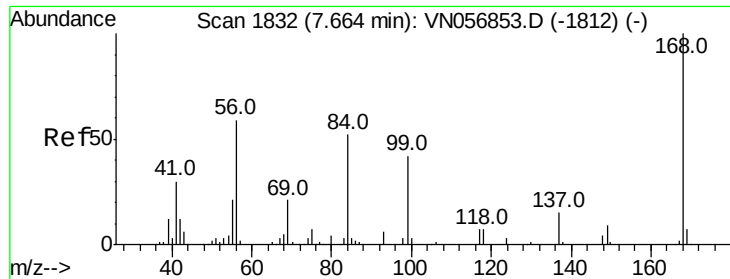
Manual Integrations
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7/24/2019 1:14:00 PM

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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	60168	18.055	ug/l	99
94) Hexachlorobutadiene	15.01	225	55074	20.874	ug/l	98
95) Naphthalene	15.13	128	155006	17.704	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	68430	18.541	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion:168 Resp: 385932

Ion Ratio Lower Upper

168 100

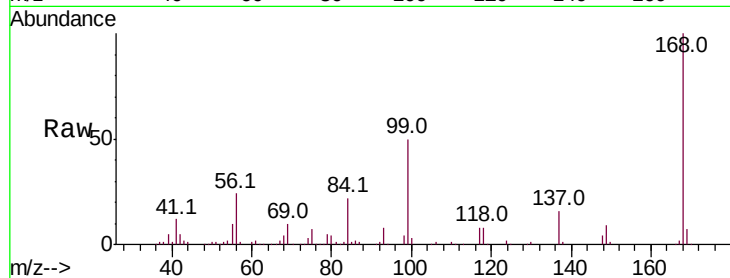
99 50.0 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

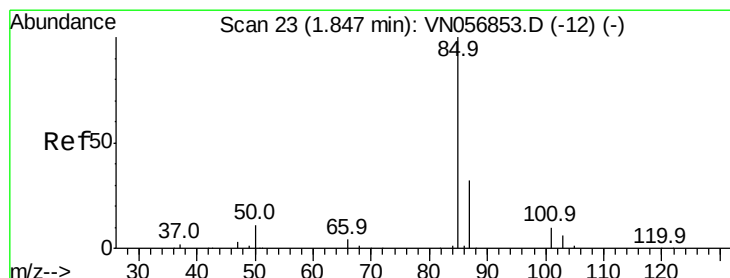
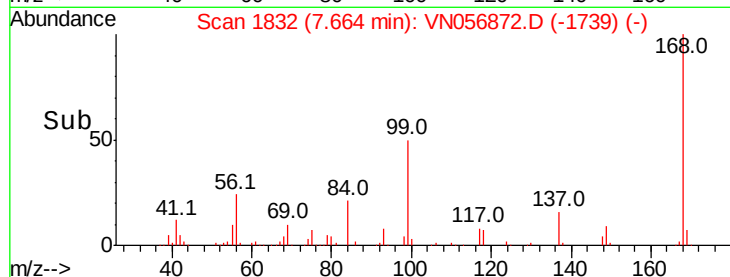
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.849 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056872.D

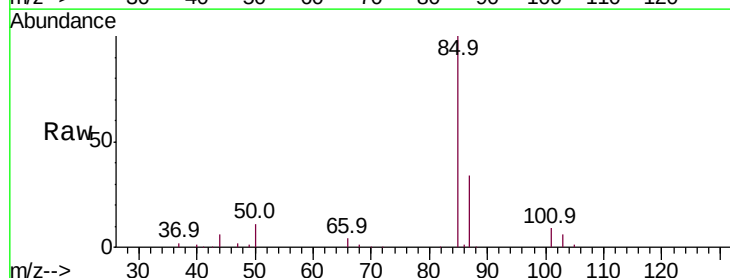
Acq: 23 Jul 2019 12:34

Tgt Ion: 85 Resp: 94916

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

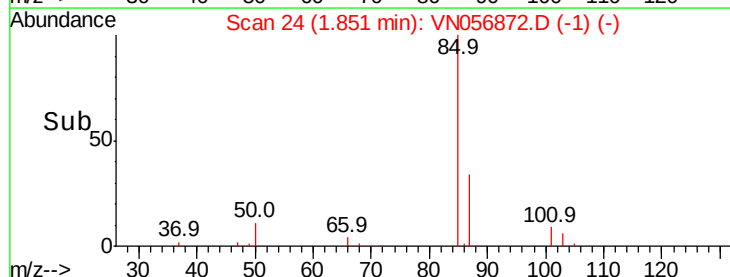
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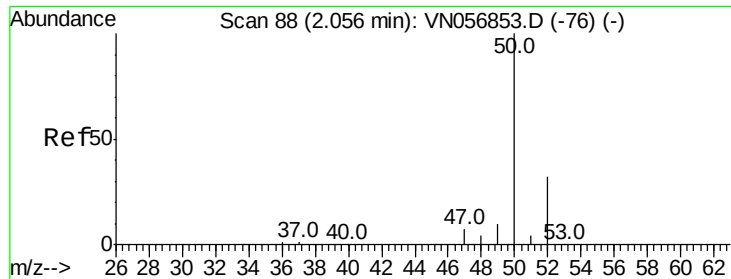
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Time-->





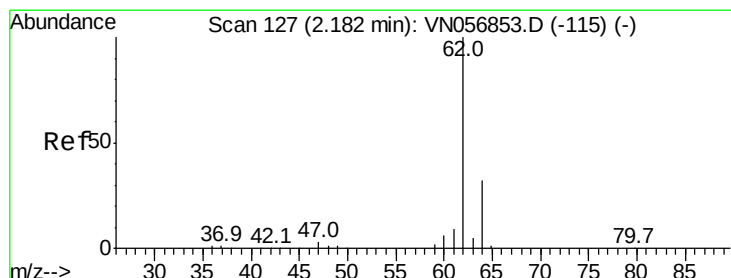
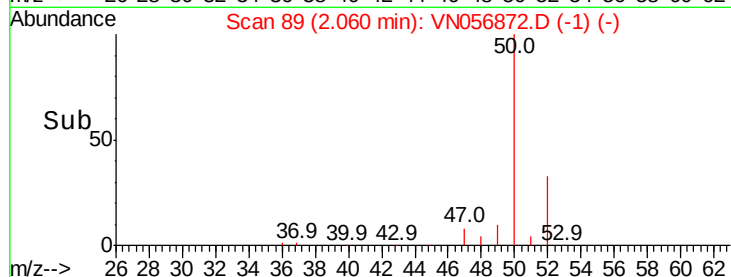
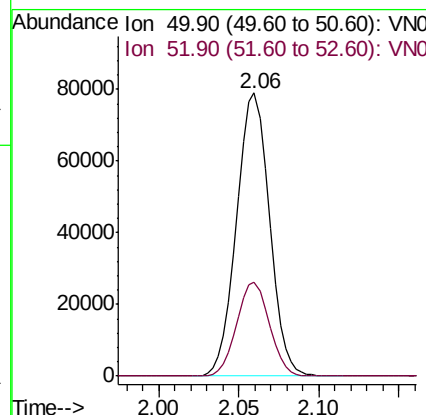
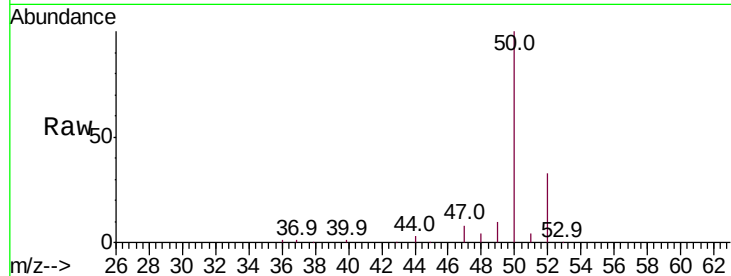
#3
Chloromethane
Concen: 20.539 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.9	38.9

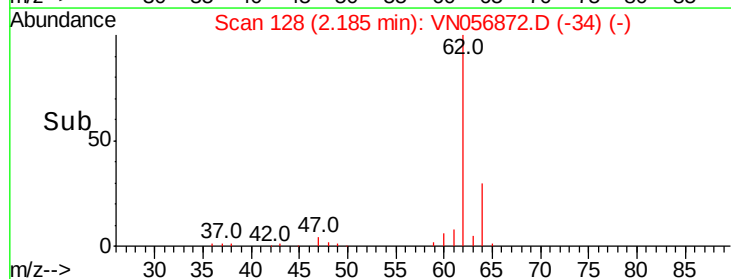
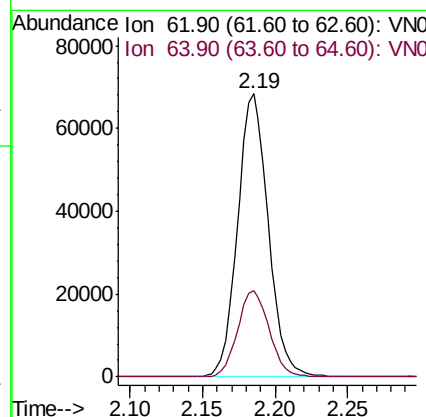
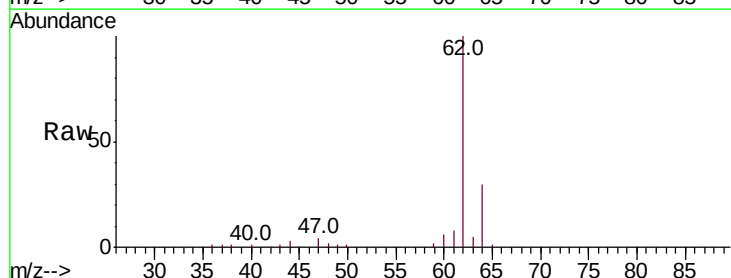
Manual Integrations
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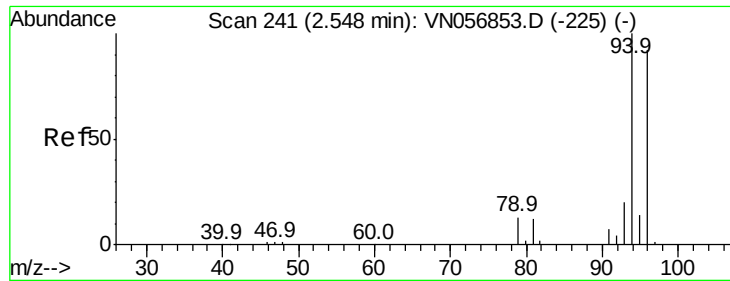
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#4
Vinyl Chloride
Concen: 20.225 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.4	38.2





#5

Bromomethane

Concen: 19.334 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 94 Resp: 58190

Ion Ratio Lower Upper

94 100

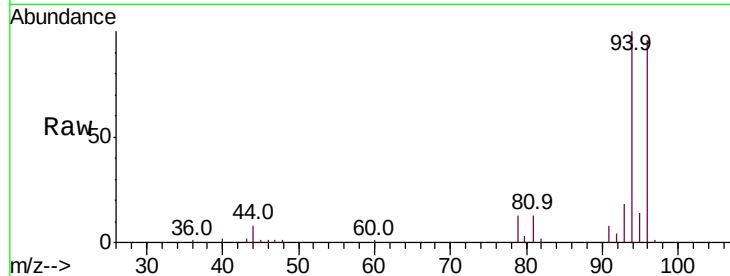
96 96.1 73.6 110.4

Manual Integrations

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7/24/2019 1:14:00 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

30000

25000

20000

15000

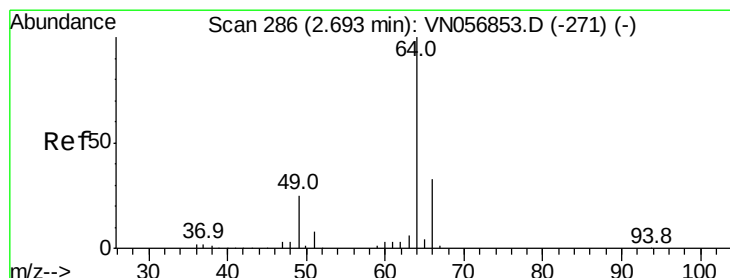
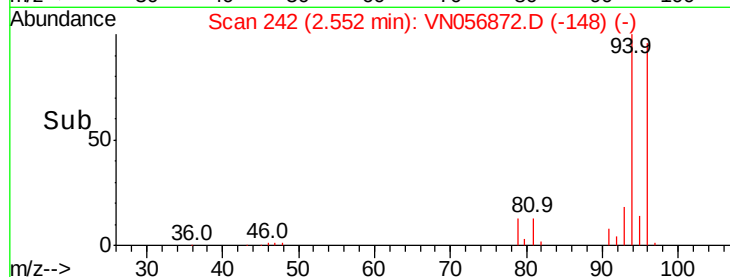
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5000

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Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.511 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056872.D

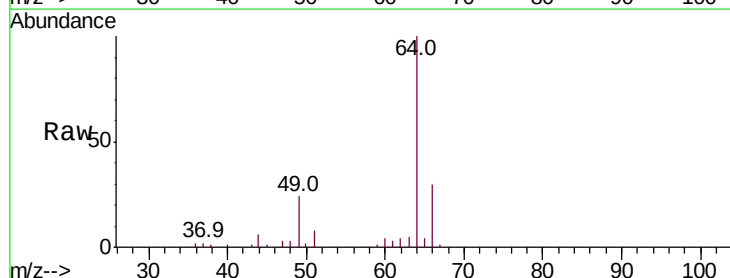
Acq: 23 Jul 2019 12:34

Tgt Ion: 64 Resp: 55617

Ion Ratio Lower Upper

64 100

66 30.3 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

30000

25000

20000

15000

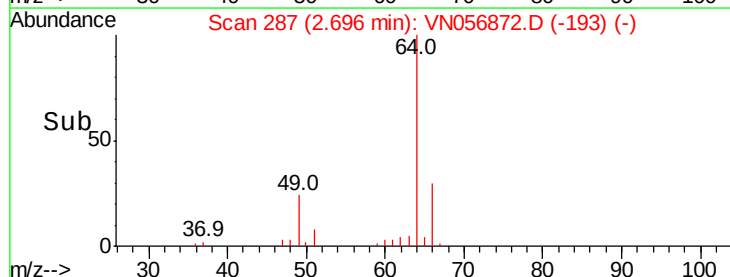
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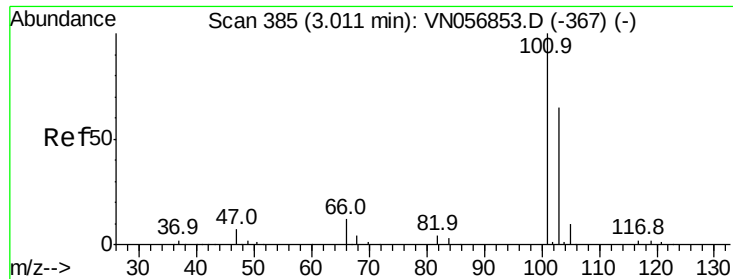
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

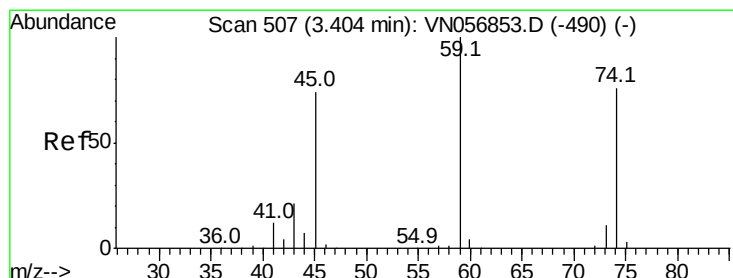
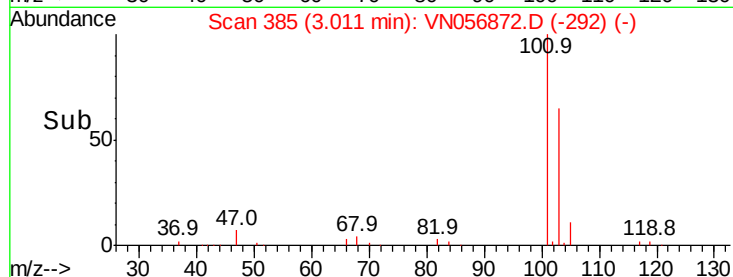
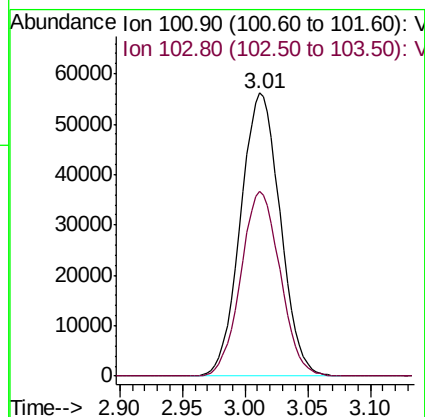
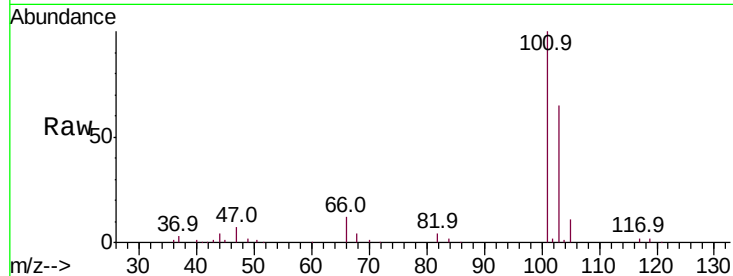
Trichlorofluoromethane
Concen: 20.473 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
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ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

Manual Integrations
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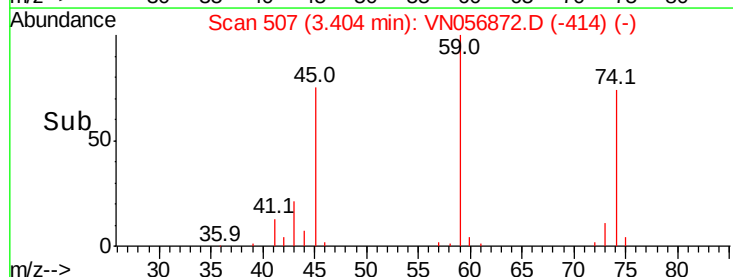
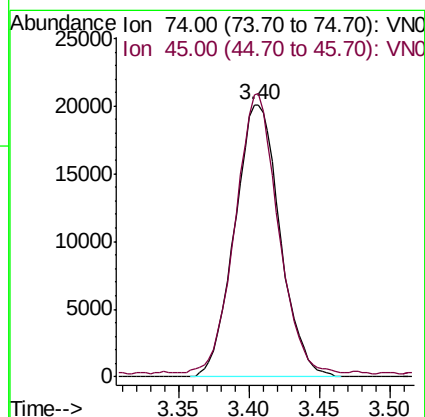
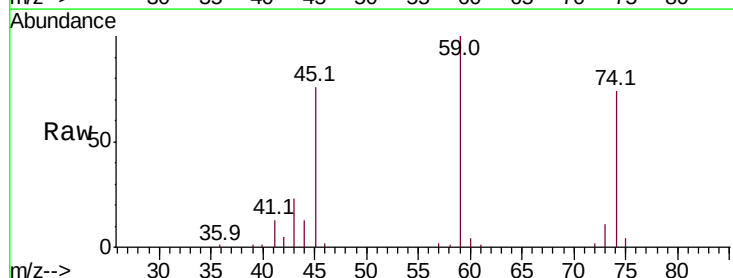
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7/24/2019 1:14:00 PM

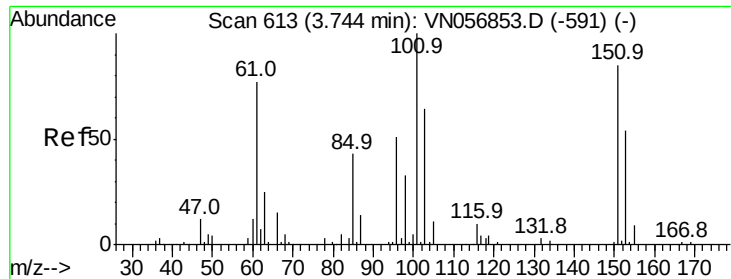


#8

Diethyl Ether
Concen: 20.017 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.2	147.6





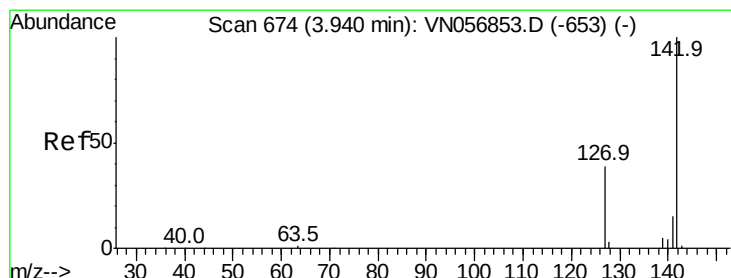
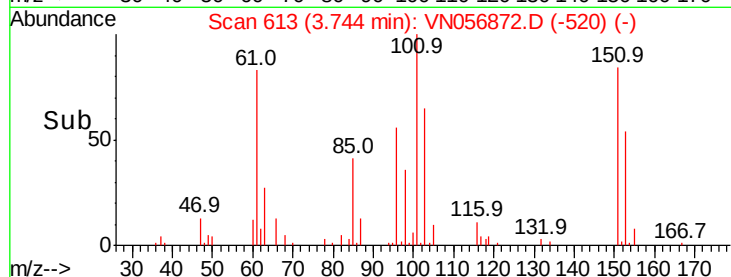
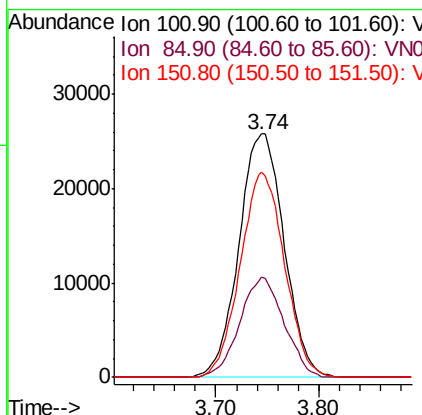
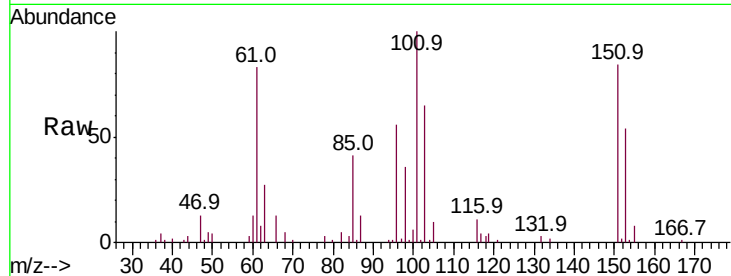
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.983 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN056872.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	40.3	33.7	50.5
151	82.7	68.1	102.1

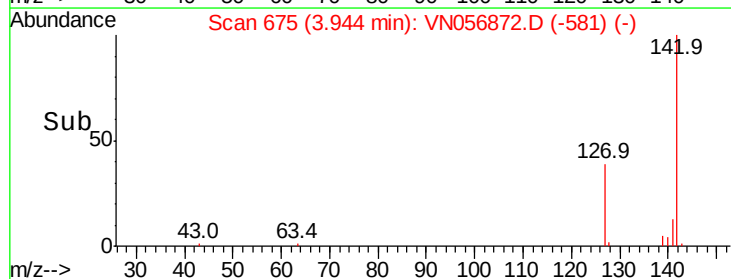
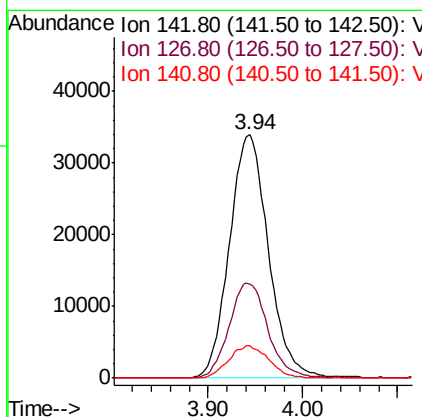
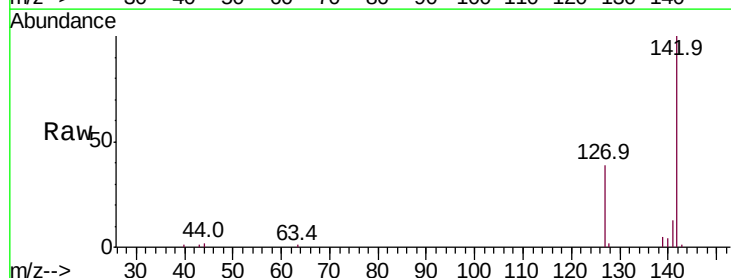
Manual Integrations
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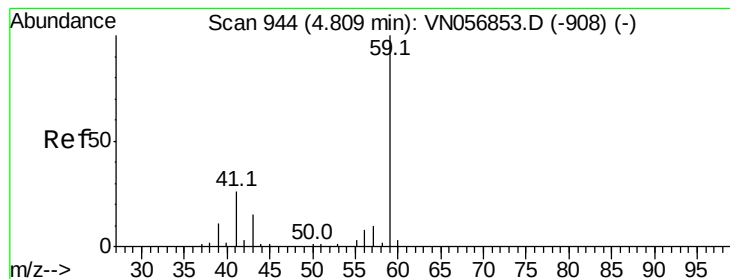
MMDadoda
 7/24/2019 1:14:00 PM



#10
 Methyl Iodide
 Concen: 18.562 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.9	31.2	46.8
141	13.6	11.4	17.2





#11

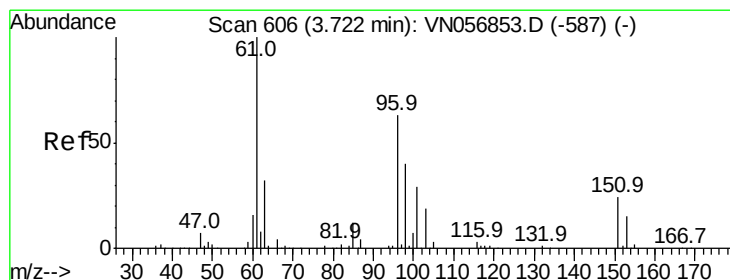
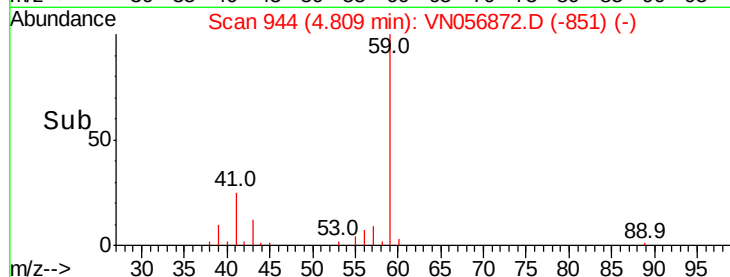
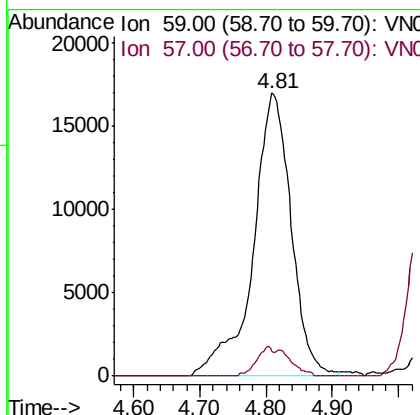
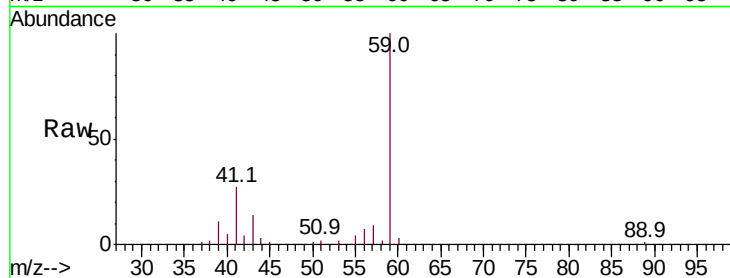
Tert butyl alcohol
 Concen: 116.031 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	59	Resp	67852
Ion Ratio	100	Lower	Upper
57	4.6	8.2	12.4#

Manual Integrations
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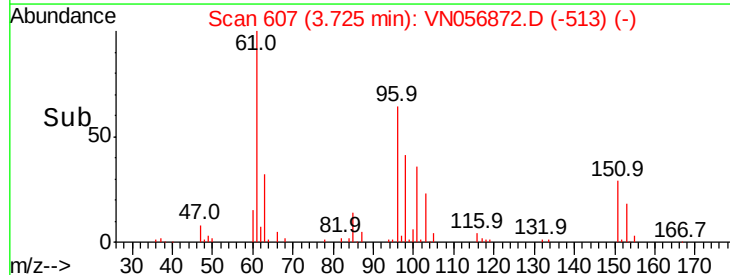
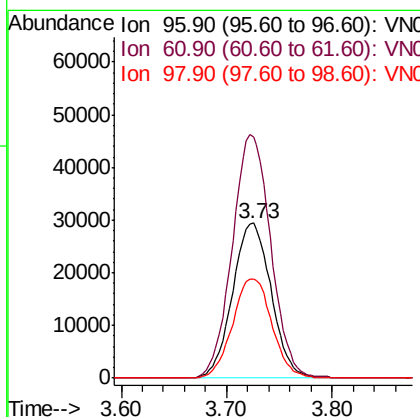
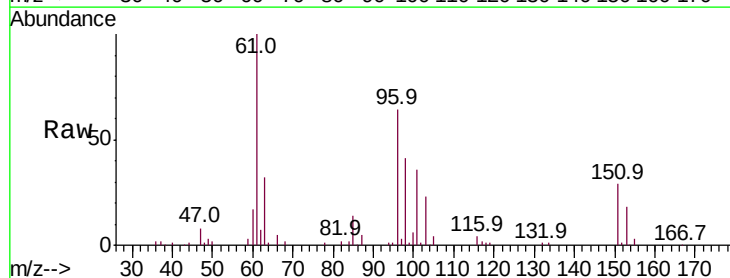
MMDadoda
 7/24/2019 1:14:00 PM

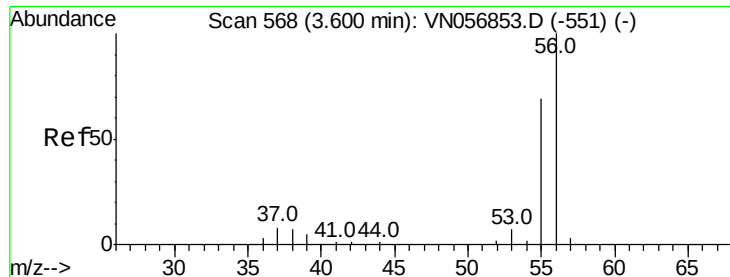


#12

1,1-Dichloroethene
 Concen: 20.028 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	96	Resp	75009
Ion Ratio	100	Lower	Upper
61	155.5	126.3	189.5
98	64.1	51.0	76.4





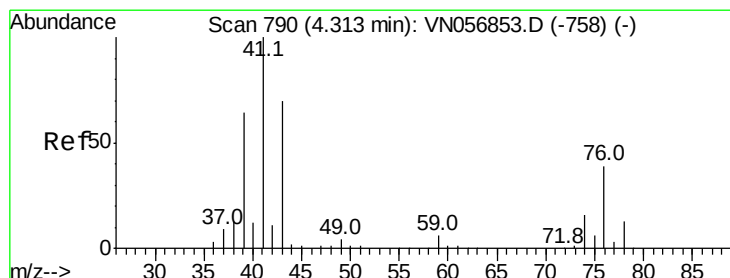
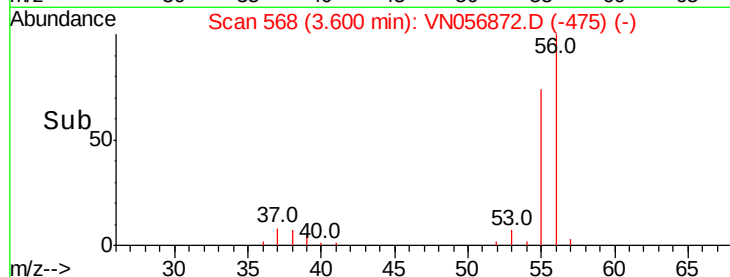
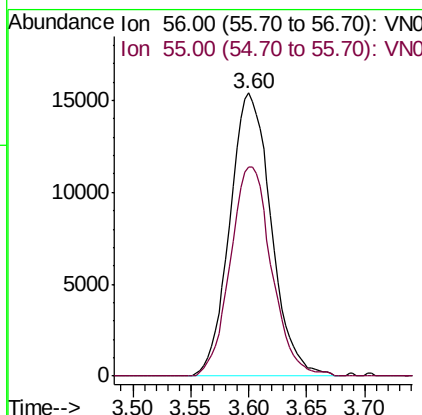
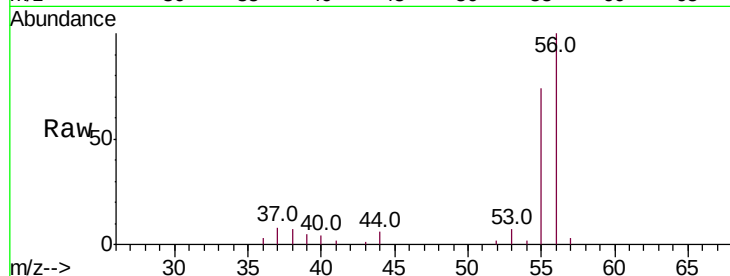
#13
Acrolein
Concen: 78.403 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	56	Resp	38148
Ion Ratio	Lower	Upper	
56	100		
55	73.7	56.2	84.4

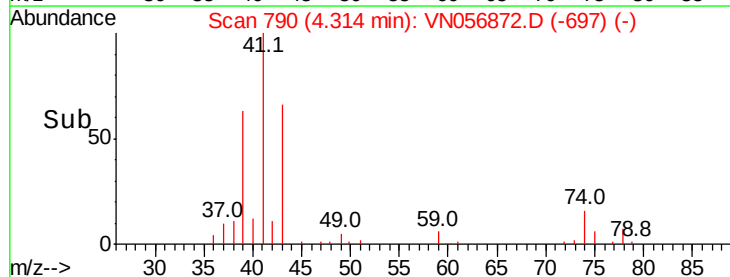
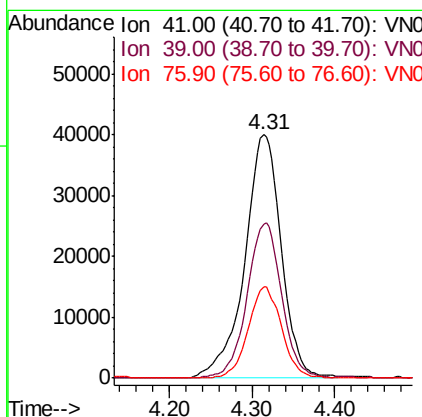
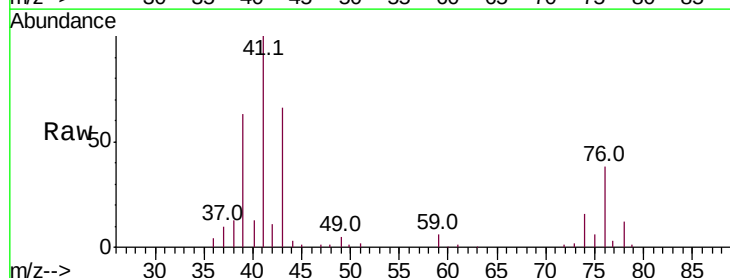
Manual Integrations
APPROVED

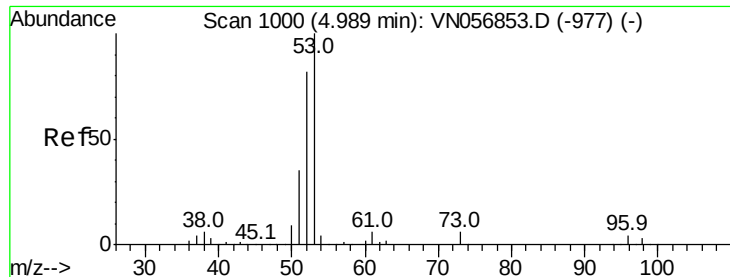
MMDadoda
7/24/2019 1:14:00 PM



#14
Allyl chloride
Concen: 19.907 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	41	Resp	122571
Ion Ratio	Lower	Upper	
41	100		
39	60.2	47.8	71.6
76	34.1	27.9	41.9





#15

Acrylonitrile

Concen: 105.623 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

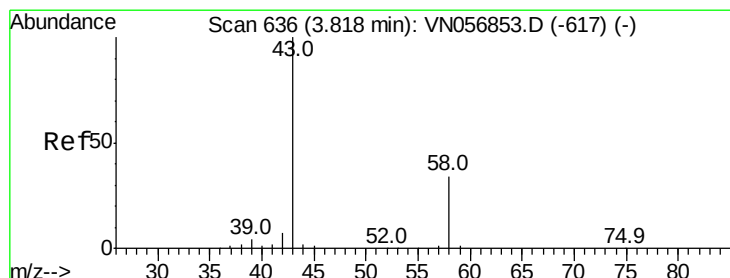
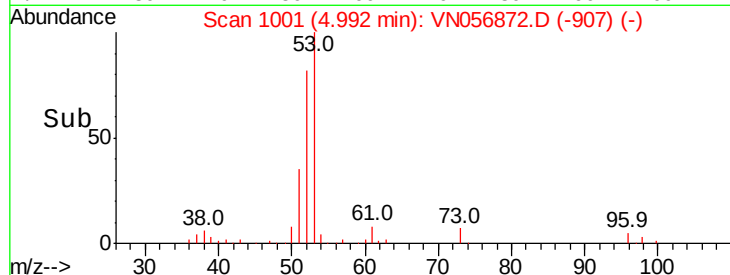
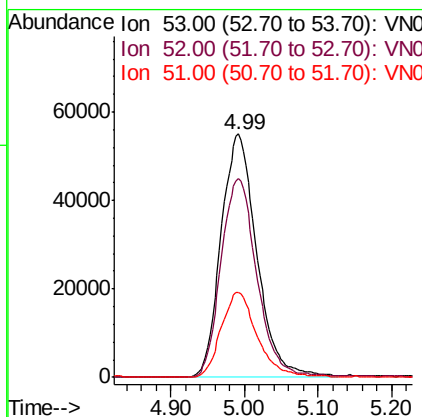
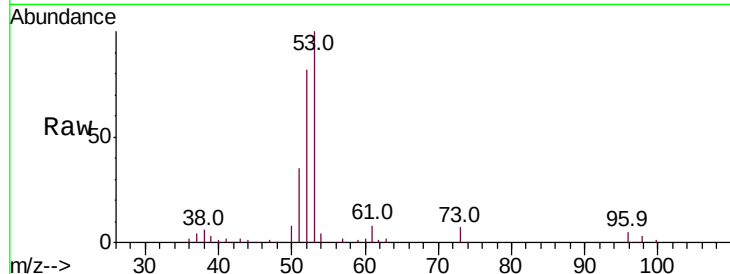
ClientSampleId :

VN0723WBS01

Tot Ion:	53	Resp:	185857
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.0	97.6
51	35.2	28.2	42.2

Manual Integrations
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7/24/2019 1:14:00 PM



#16

Acetone

Concen: 112.672 ug/l

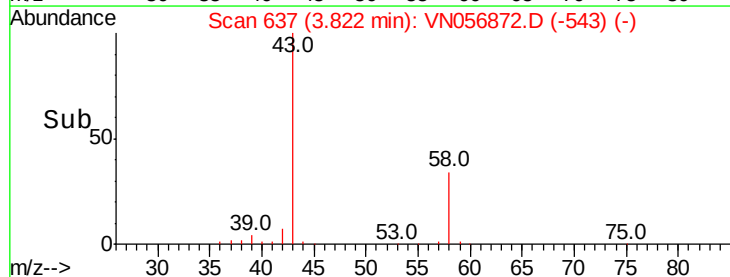
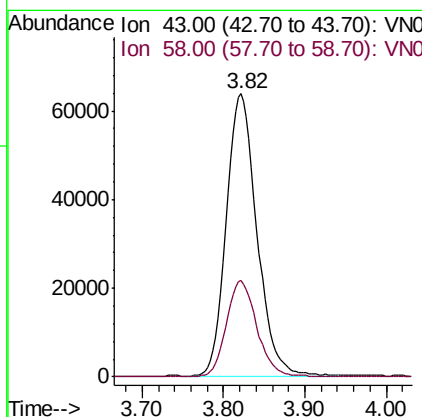
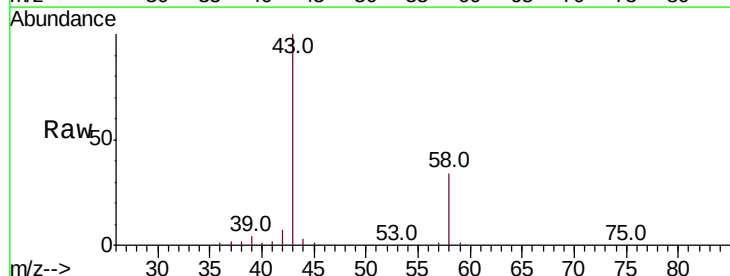
RT: 3.82 min Scan# 637

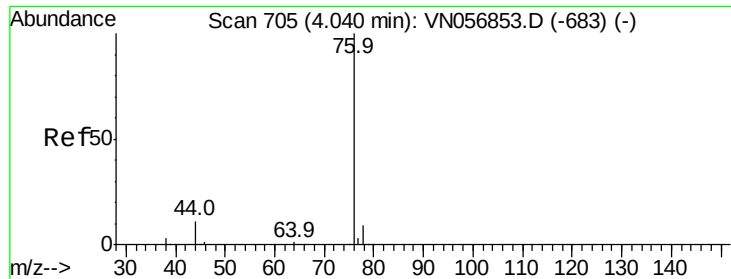
Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	43	Resp:	167025
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.3	40.9





#17

Carbon Disulfide

Concen: 19.064 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 76 Resp: 194871

Ion Ratio Lower Upper

76 100

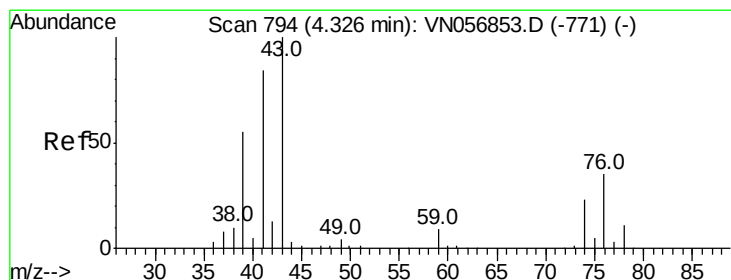
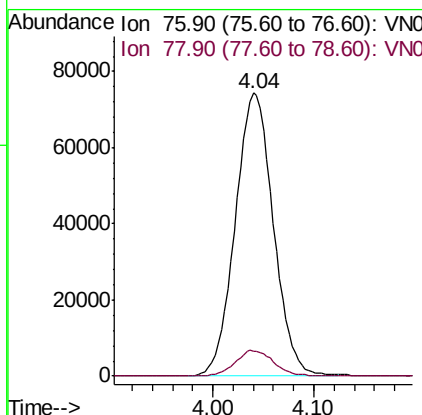
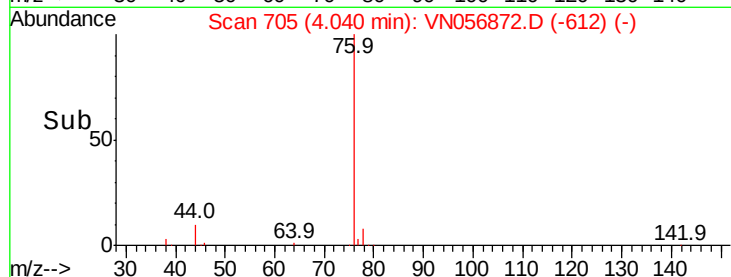
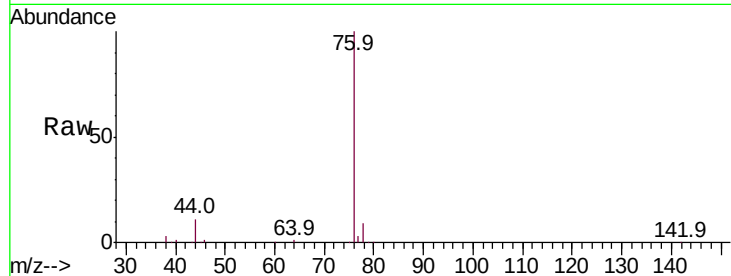
78 8.9 7.2 10.8

Manual Integrations

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7/24/2019 1:14:00 PM



#18

Methyl Acetate

Concen: 20.608 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN056872.D

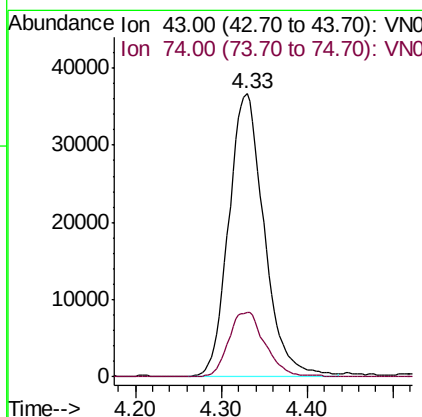
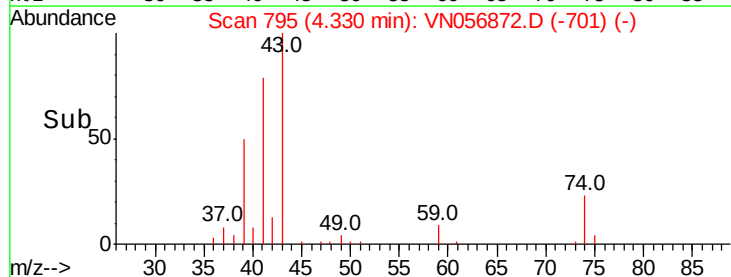
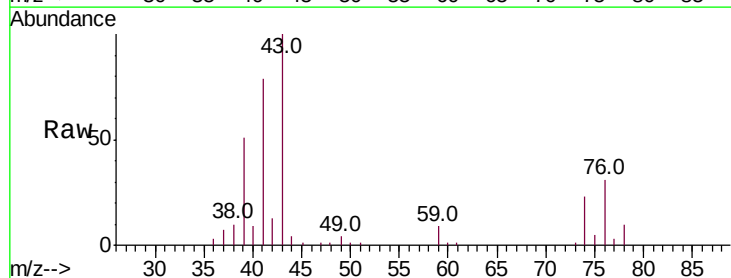
Acq: 23 Jul 2019 12:34

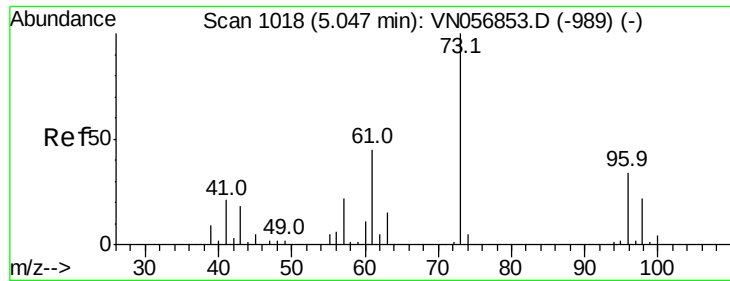
Tgt Ion: 43 Resp: 105379

Ion Ratio Lower Upper

43 100

74 23.1 19.0 28.4





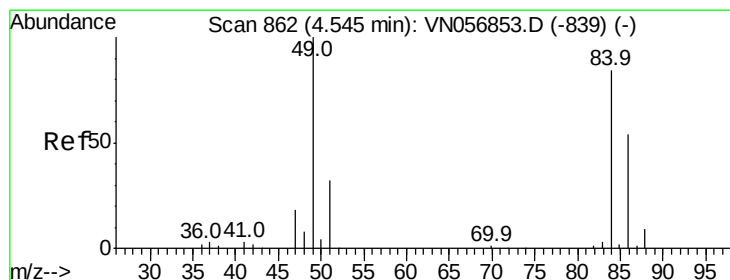
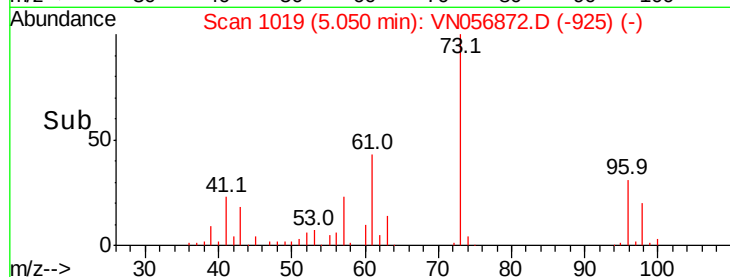
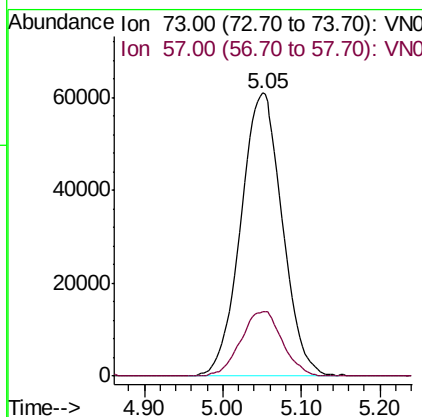
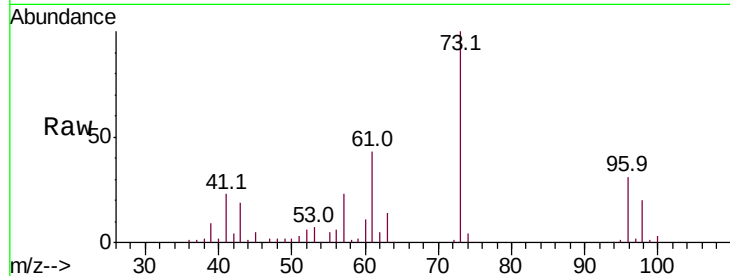
#19
Methyl tert-butyl Ether
Concen: 20.439 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion: 73 Resp: 226161
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

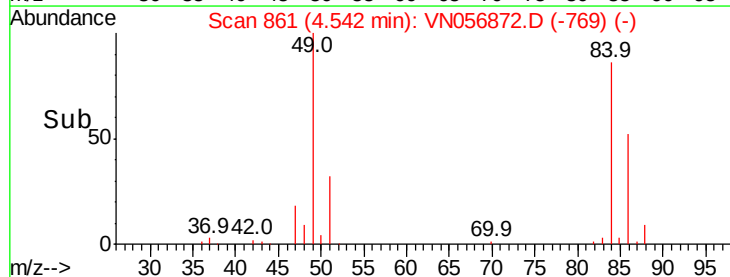
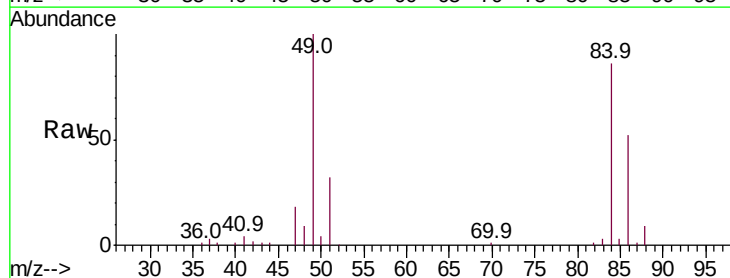
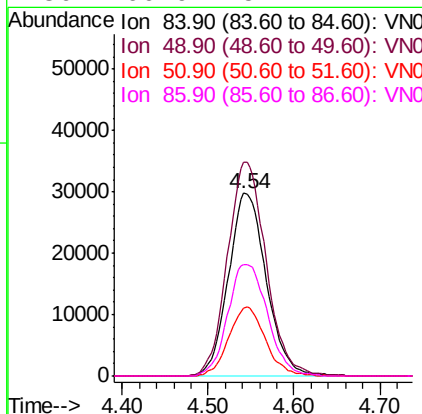
Manual Integrations
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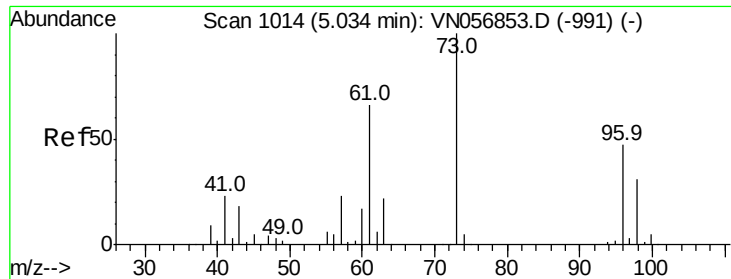
MMDadoda
7/24/2019 1:14:00 PM



#20
Methylene Chloride
Concen: 20.584 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion: 84 Resp: 91240
Ion Ratio Lower Upper
84 100
49 116.9 94.9 142.3
51 36.9 29.9 44.9
86 60.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.316 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 96 Resp: 79480

Ion Ratio Lower Upper

96 100

61 135.4 112.8 169.2

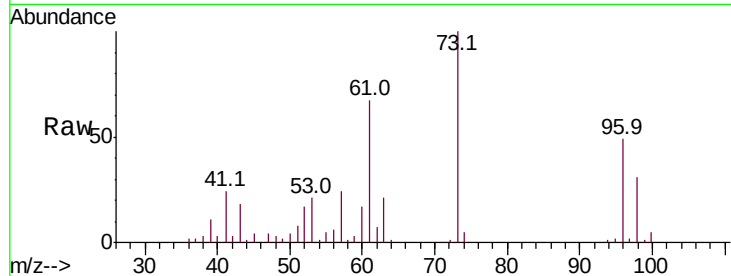
98 63.6 53.3 79.9

Manual Integrations

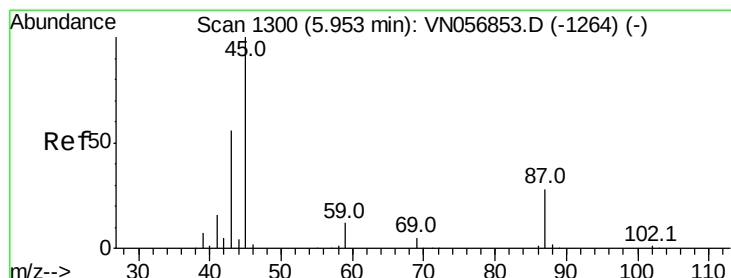
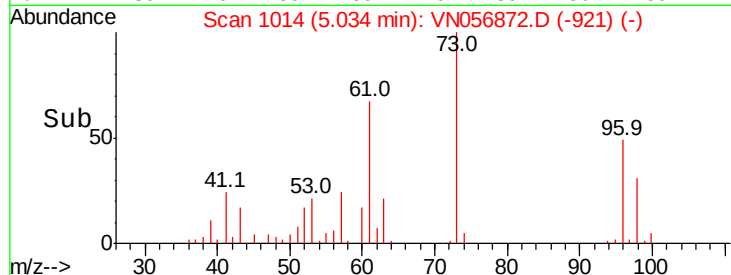
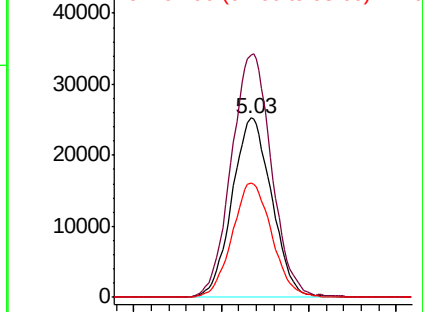
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.848 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion: 45 Resp: 259513

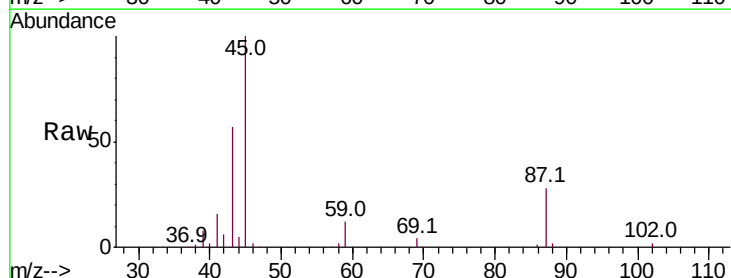
Ion Ratio Lower Upper

45 100

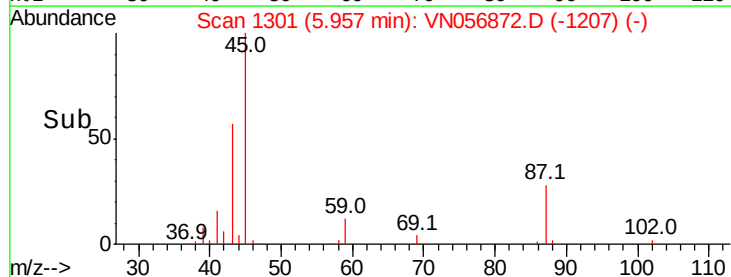
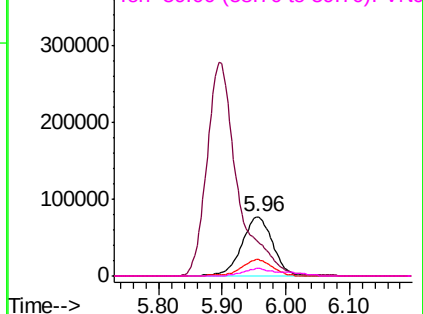
43 55.7 45.5 68.3

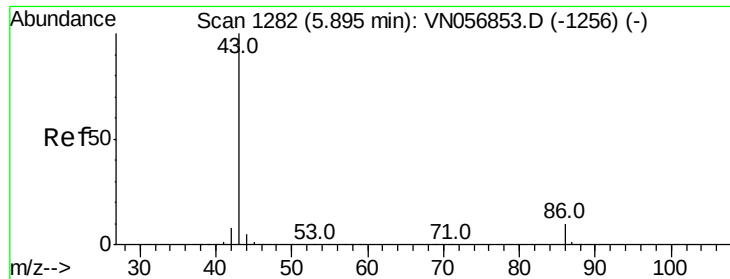
87 27.8 22.7 34.1

59 12.4 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





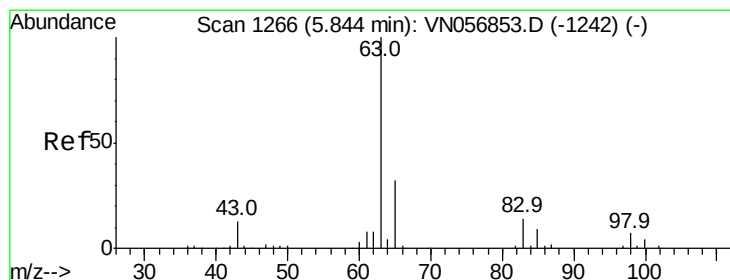
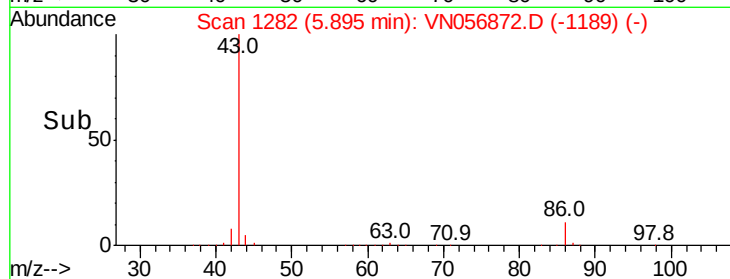
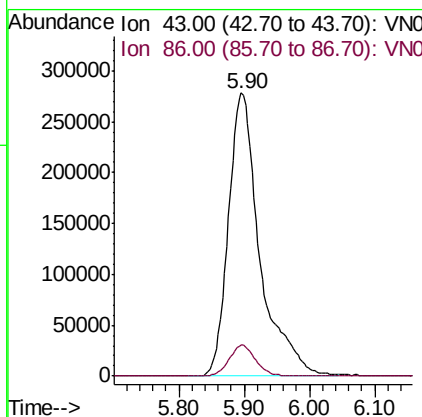
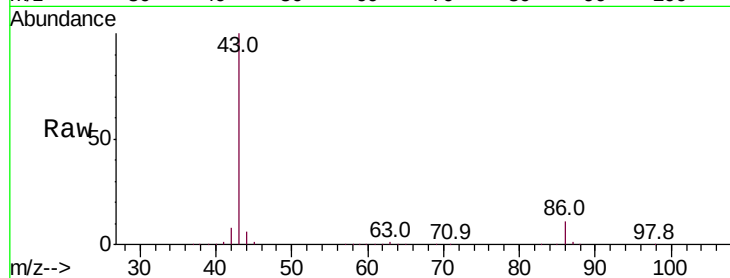
#23
 Vinyl Acetate
 Concen: 103.482 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	11.0		8.4	12.6	

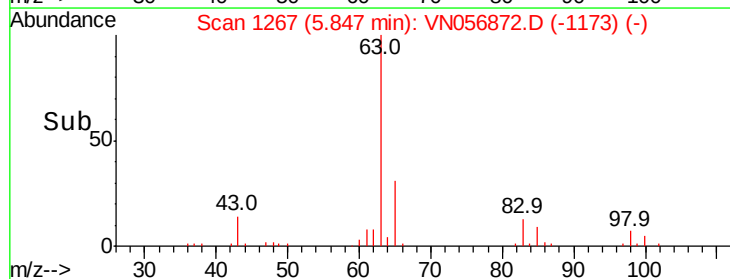
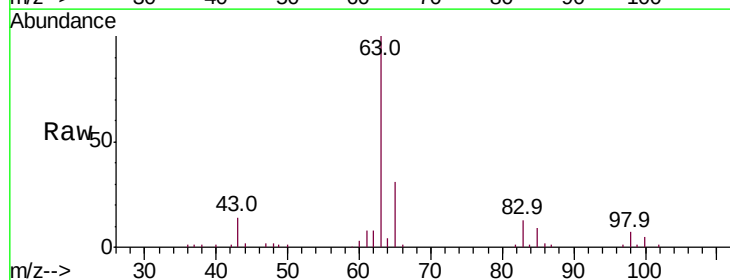
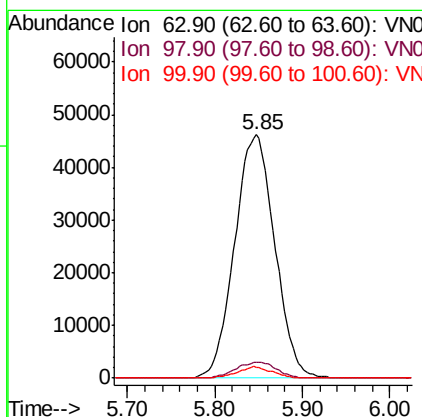
Manual Integrations
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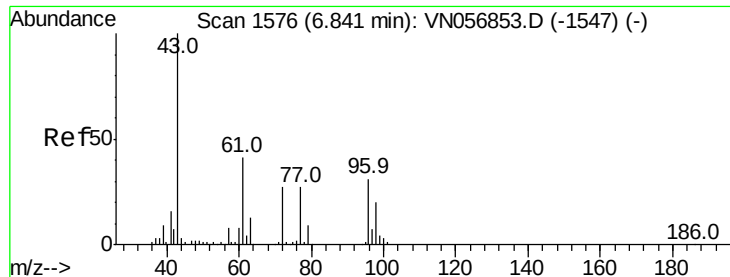
MMDadoda
 7/24/2019 1:14:00 PM



#24
 1,1-Dichloroethane
 Concen: 20.368 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	6.6			3.3	9.9	
100	4.6			2.2	6.6	





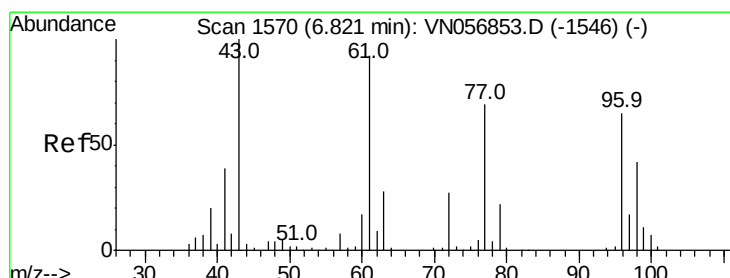
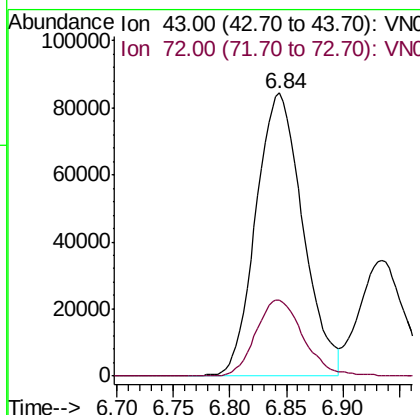
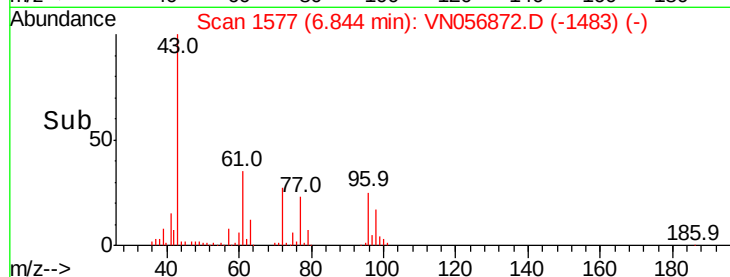
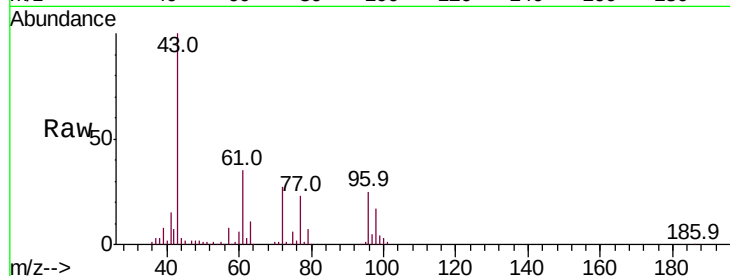
#25
2-Butanone
Concen: 110.919 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion: 43 Resp: 241687
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3

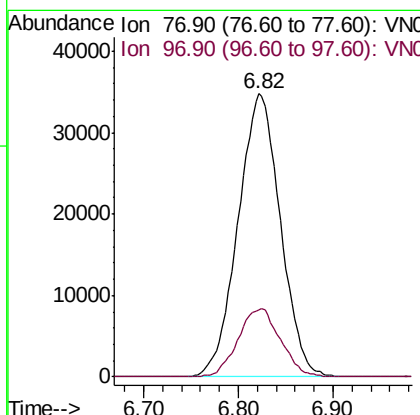
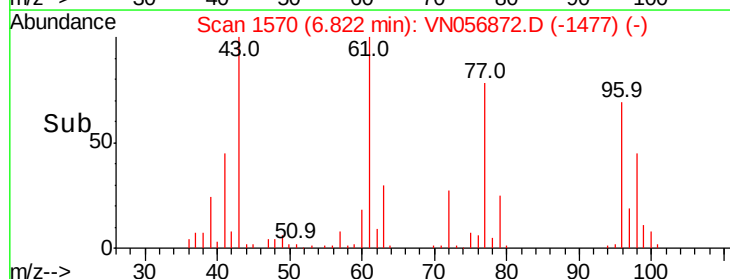
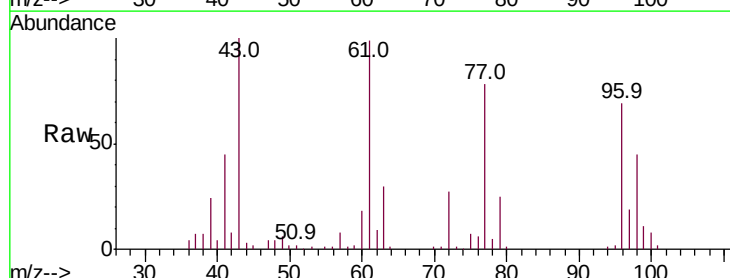
Manual Integrations
APPROVED

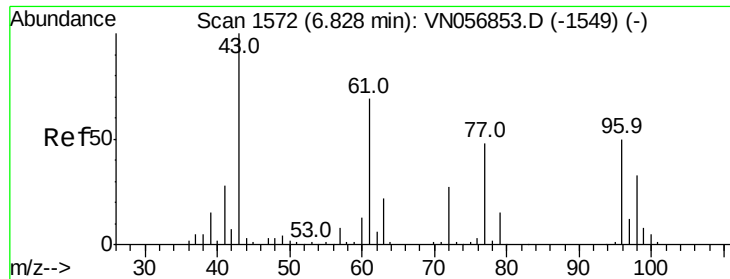
MMDadoda
7/24/2019 1:14:00 PM



#26
2,2-Dichloropropane
Concen: 21.399 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion: 77 Resp: 107993
Ion Ratio Lower Upper
77 100
97 24.1 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 20.426 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

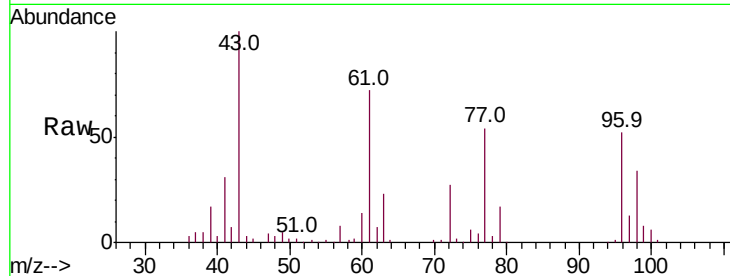
ClientSampleId :

VN0723WBS01

Tot Ion:	96	Resp:	91612
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	281.6
98	64.9	0.0	132.0

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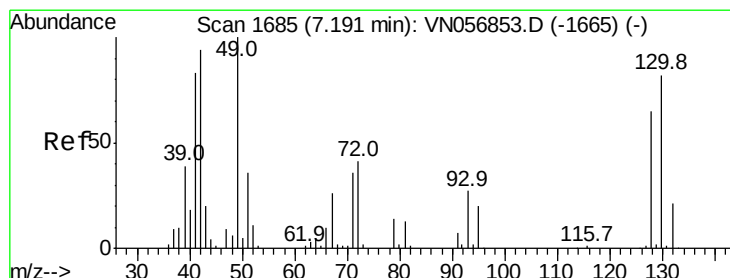
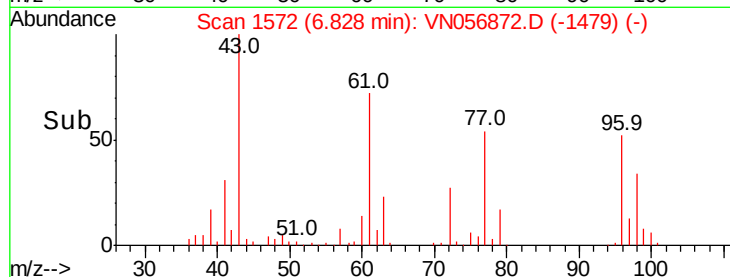
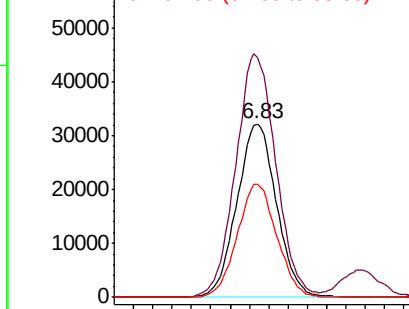


Abundance

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: 20.119 ug/l

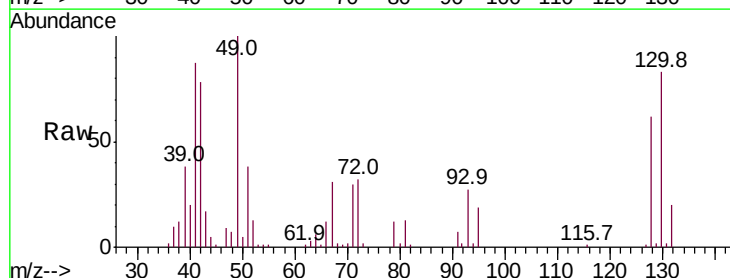
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	49	Resp:	65863
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	81.9	65.0	97.6

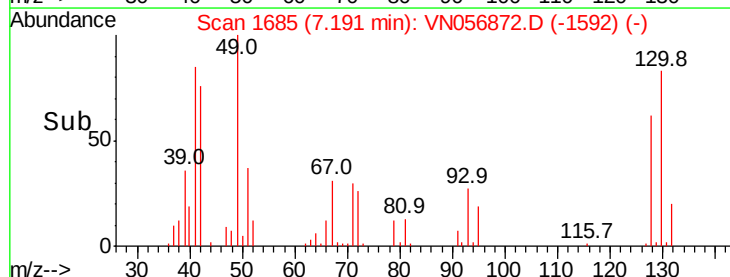
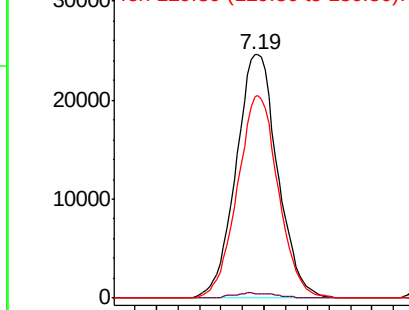


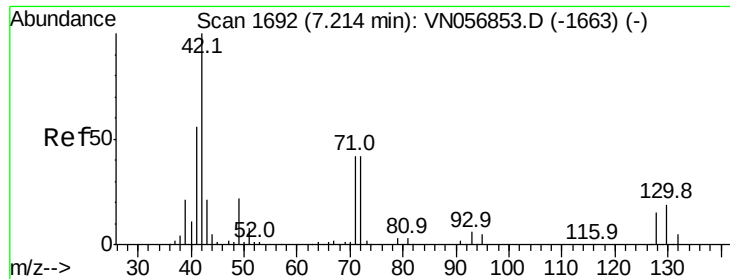
Abundance

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





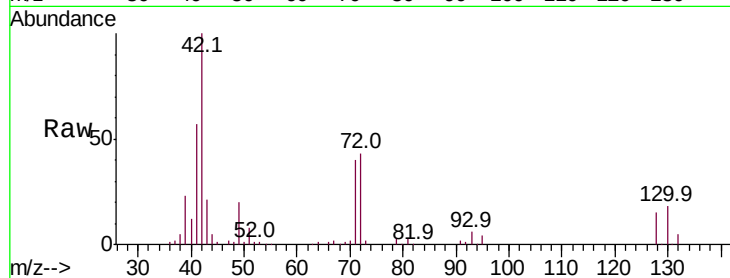
#29
Tetrahydrofuran
Concen: 107.509 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

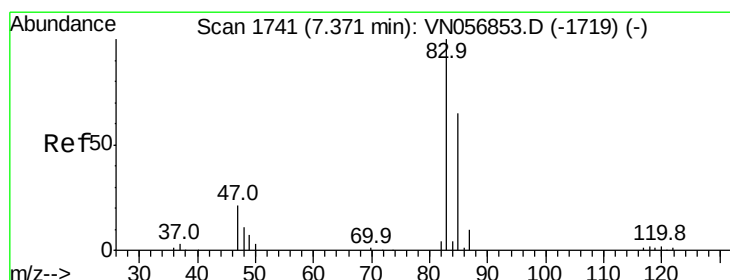
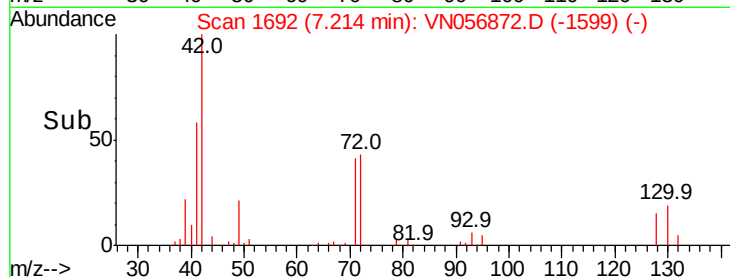
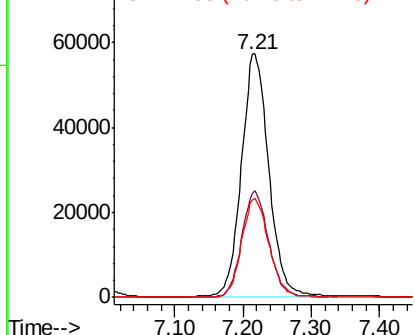
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.3	32.7	49.1

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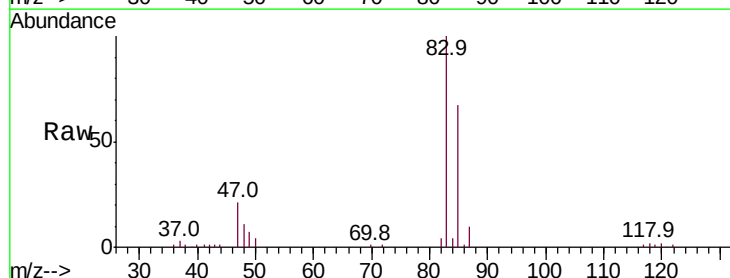


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

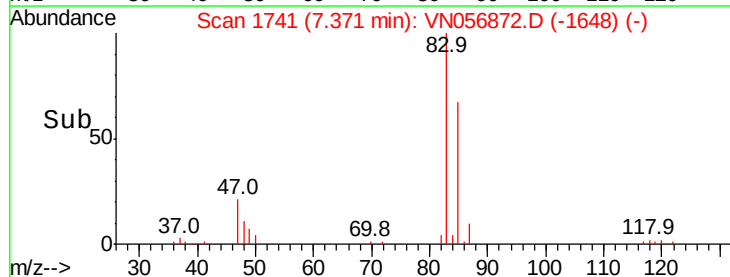
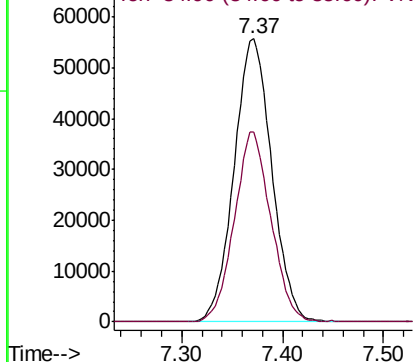


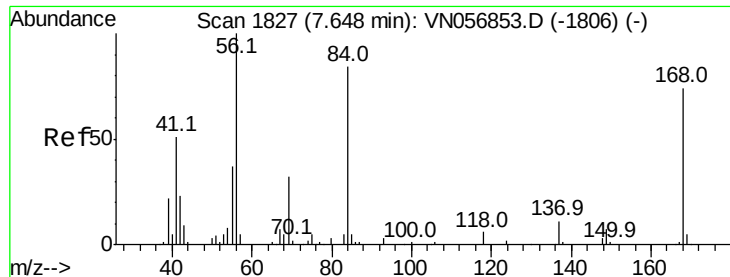
#30
Chloroform
Concen: 19.998 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





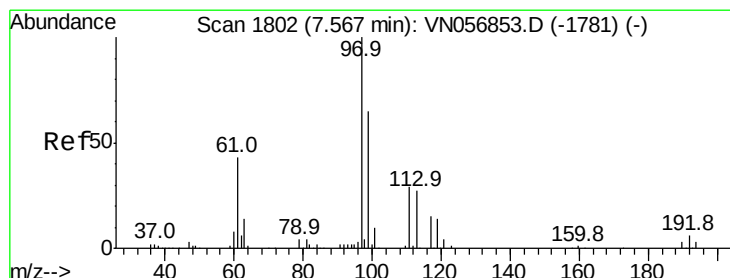
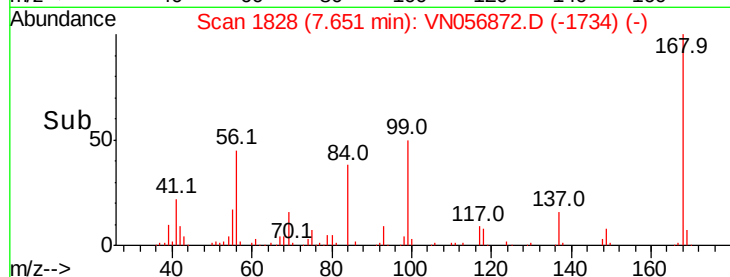
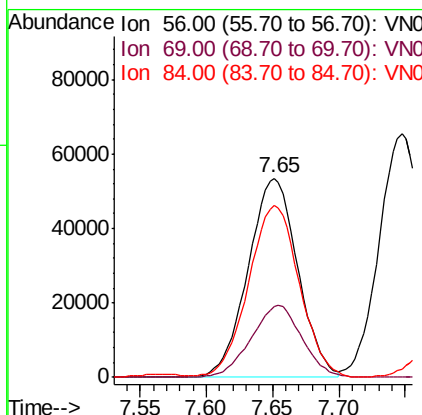
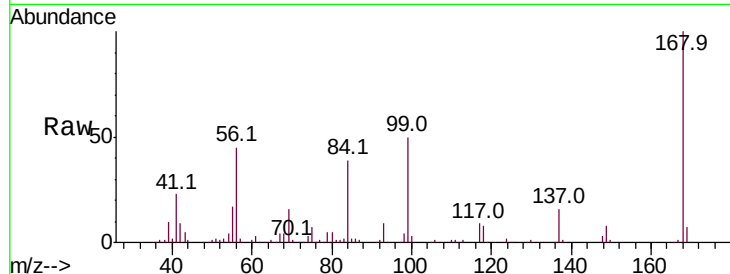
#31
Cyclohexane
Concen: 20.008 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	25.5	38.3
84	85.4	67.3	100.9

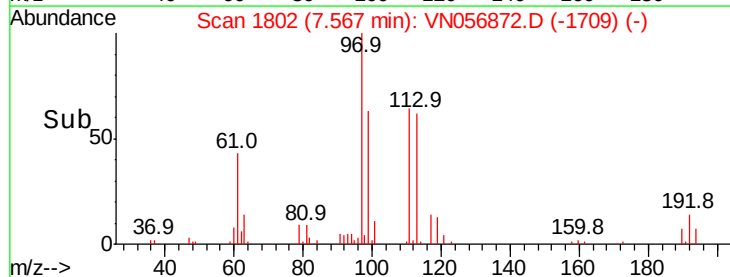
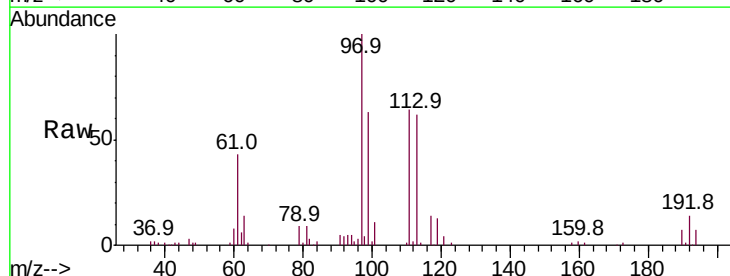
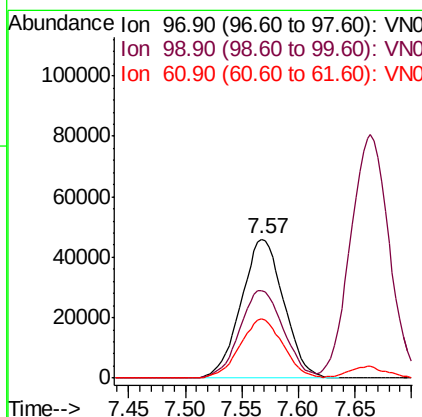
Manual Integrations
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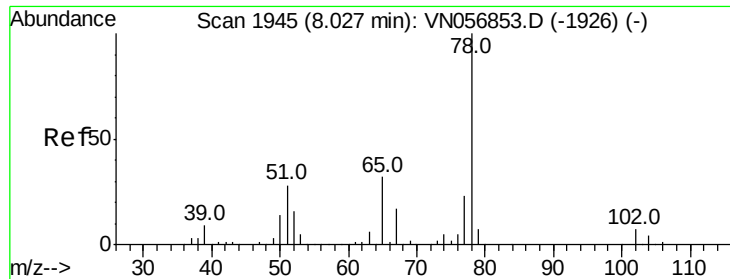
MMDadoda
7/24/2019 1:14:00 PM



#32
1,1,1-Trichloroethane
Concen: 20.579 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	42.9	34.0	51.0





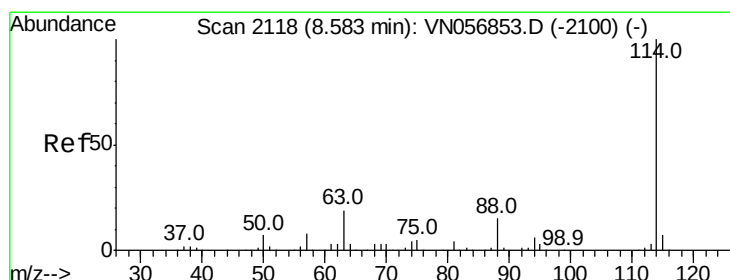
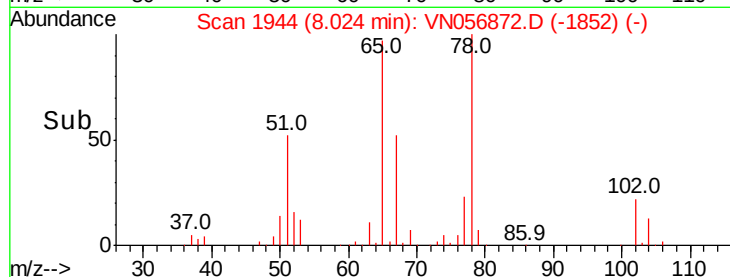
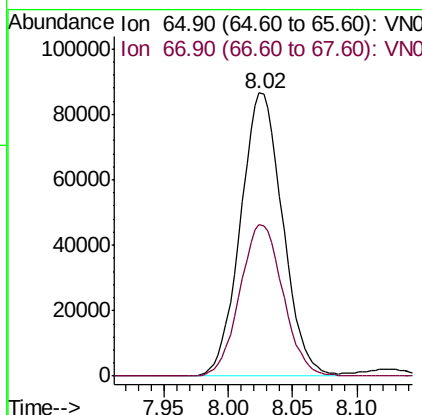
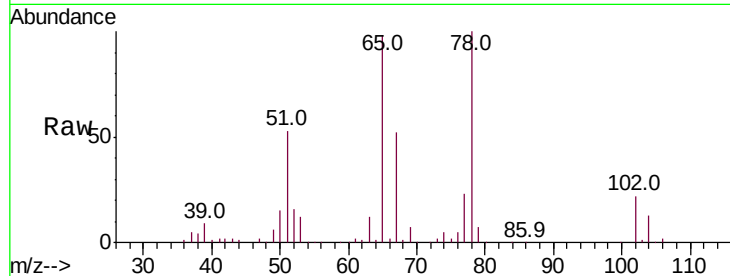
#33
 1,2-Dichloroethane-d4
 Concen: 47.932 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion: 65 Resp: 197316
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6

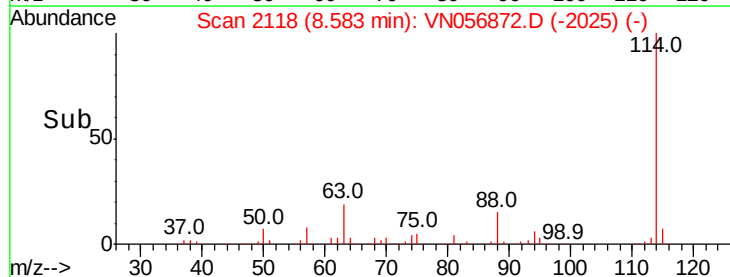
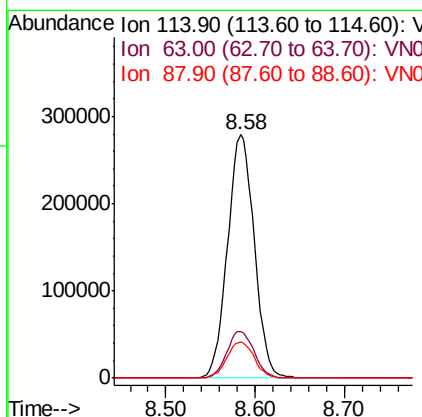
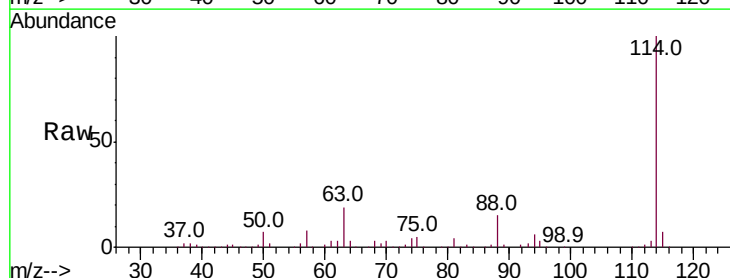
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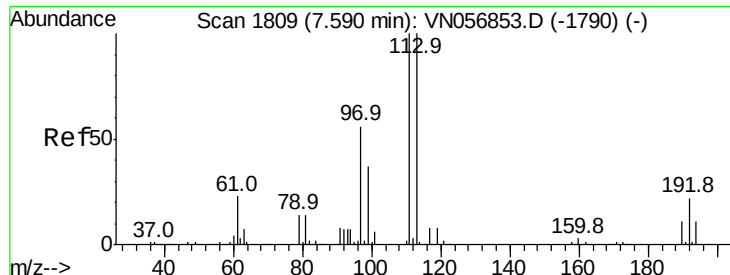
MMDadoda
 7/24/2019 1:14:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion: 114 Resp: 579062
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.200 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

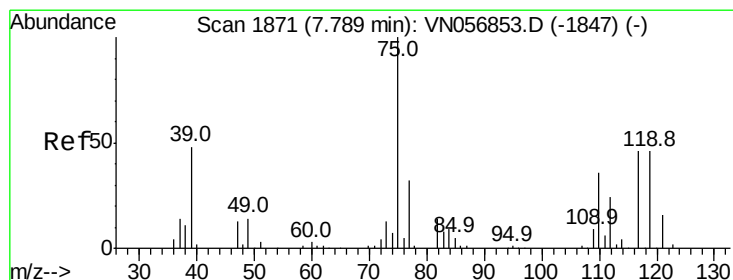
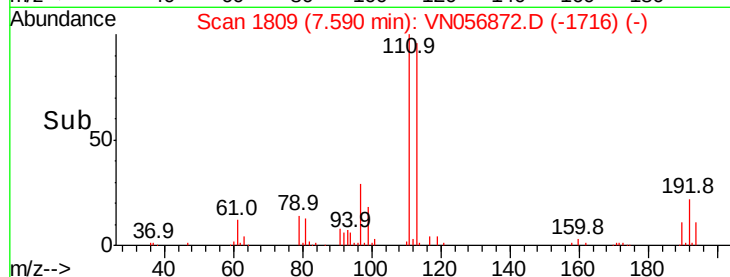
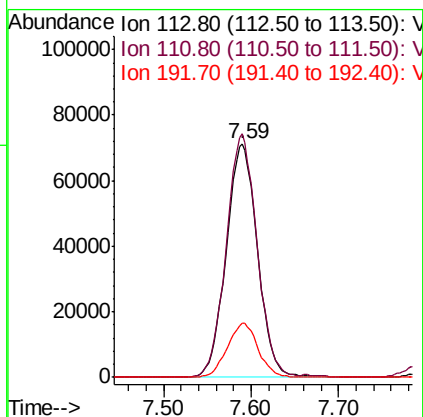
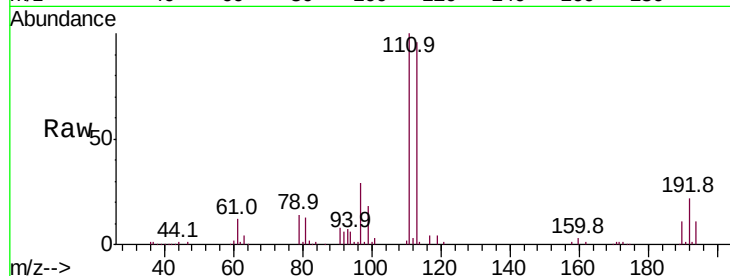
ClientSampled :

VN0723WBS01

Tot Ion:	113	Resp:	176910
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	22.8	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.604 ug/l

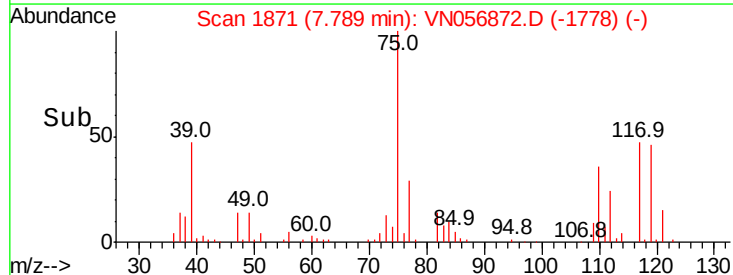
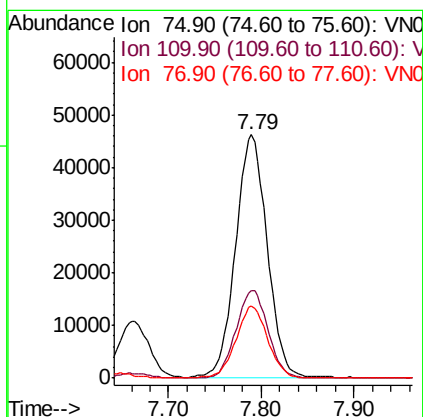
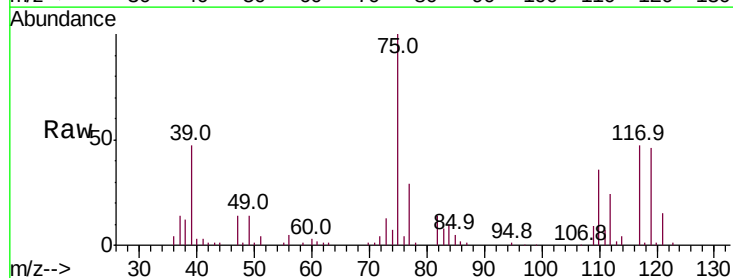
RT: 7.79 min Scan# 1871

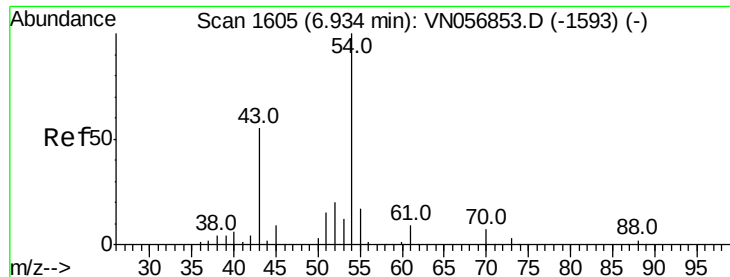
Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	75	Resp:	110027
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.9	53.7
77	29.6	25.0	37.6





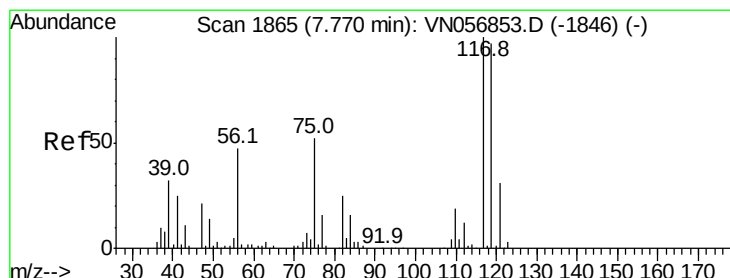
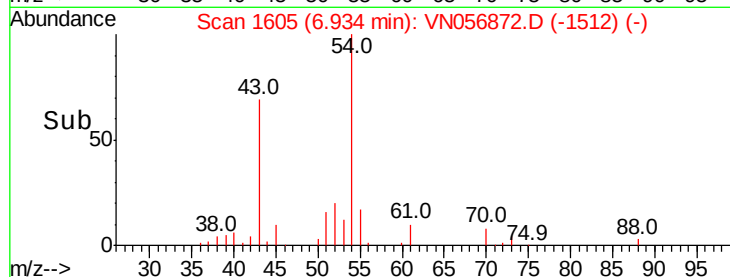
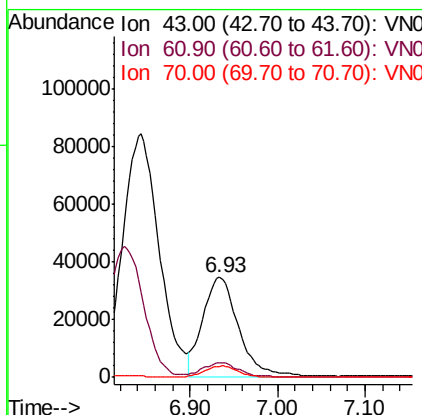
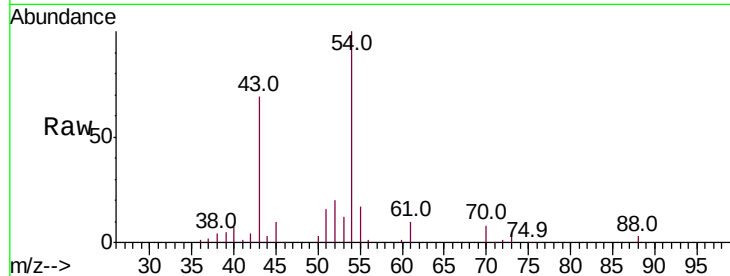
#37
Ethyl Acetate
Concen: 22.789 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	10.8	8.6	13.0

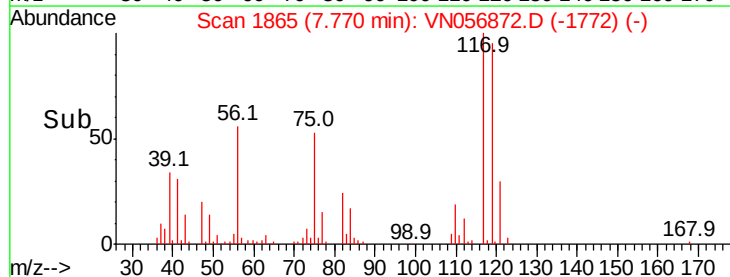
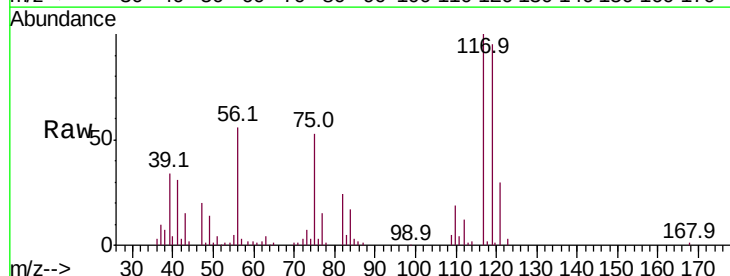
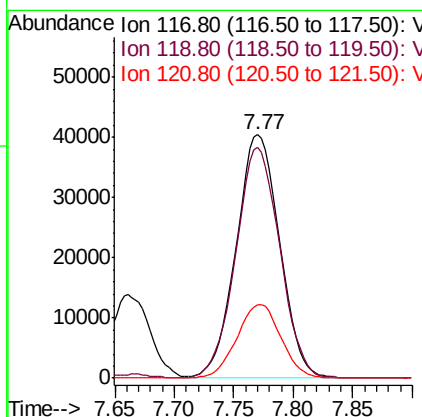
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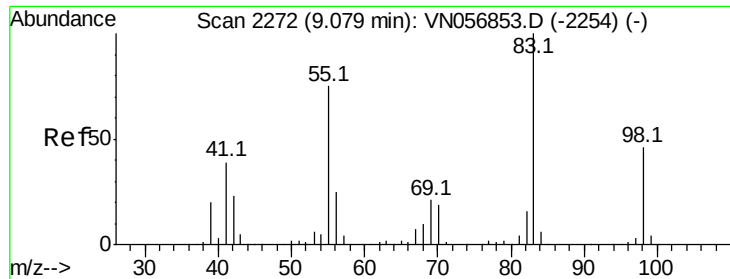
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7/24/2019 1:14:00 PM



#38
Carbon Tetrachloride
Concen: 20.209 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	29.9	24.5	36.7





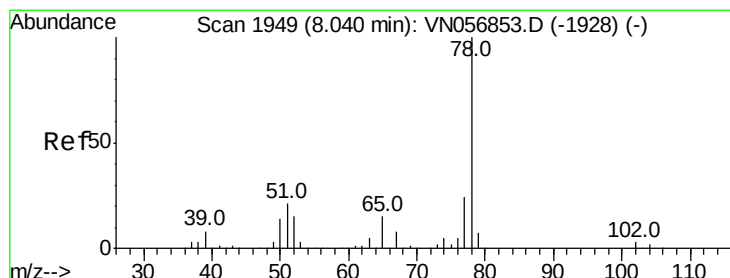
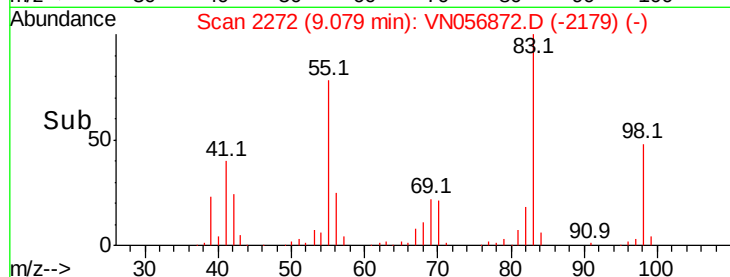
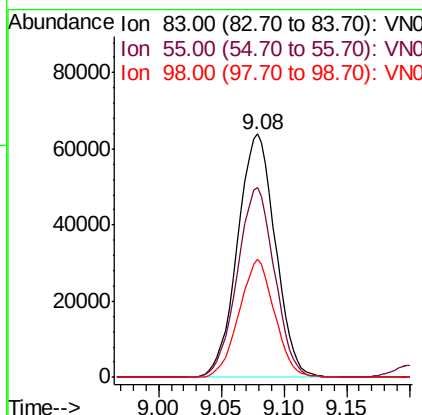
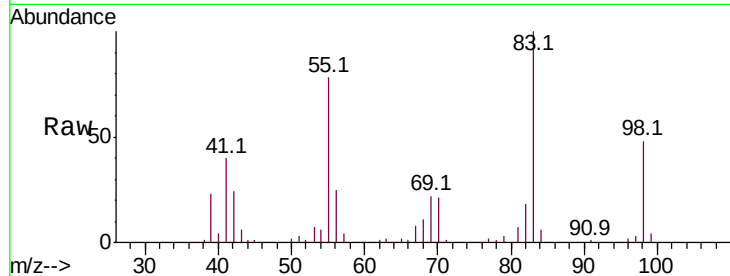
#39
Methylvlcyclohexane
Concen: 20.069 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	59.8	89.8
98	48.5	37.1	55.7

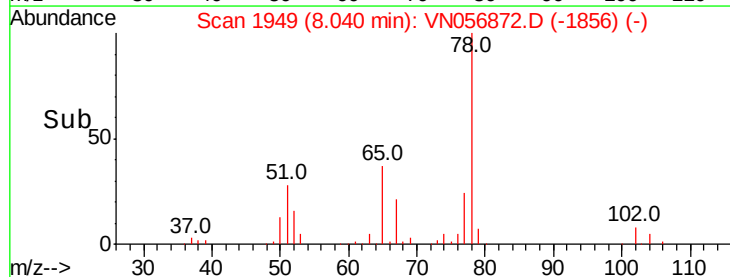
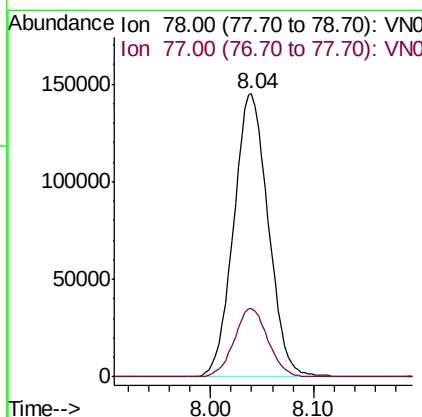
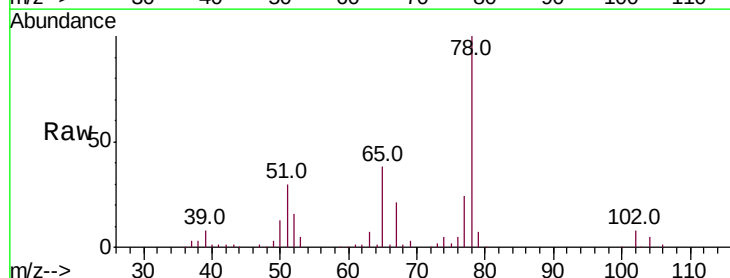
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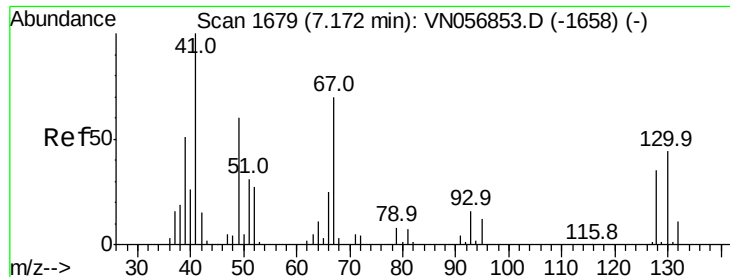
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#40
Benzene
Concen: 20.390 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





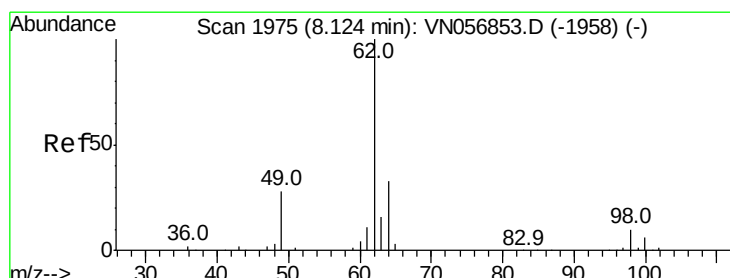
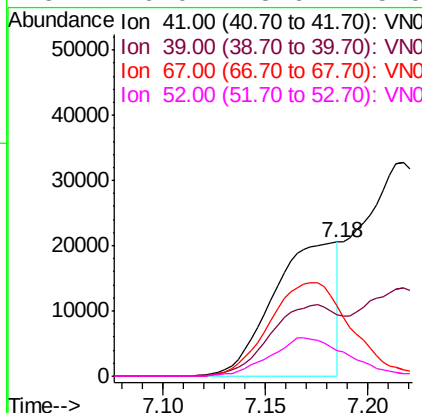
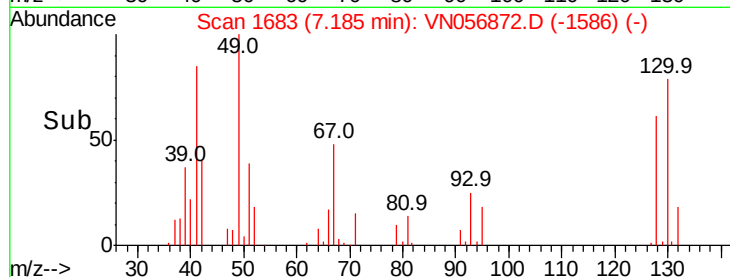
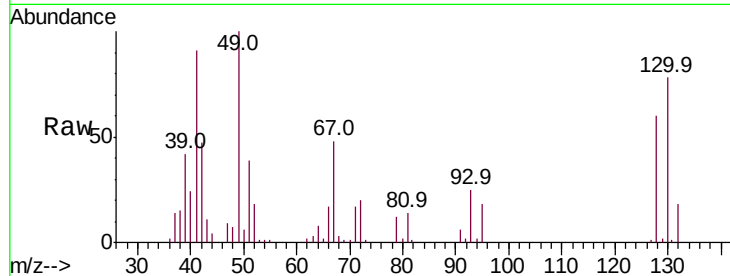
#41
Methacrylonitrile
Concen: 20.906 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.0	66.0#
67	0.0	73.5	110.3#
52	0.0	28.6	43.0#

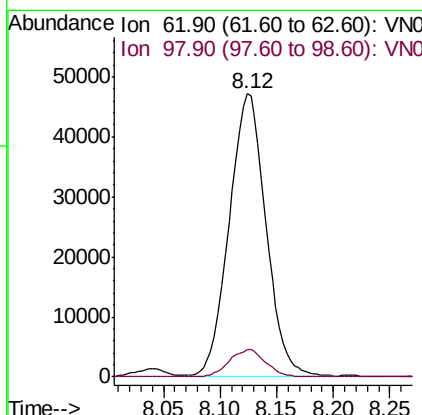
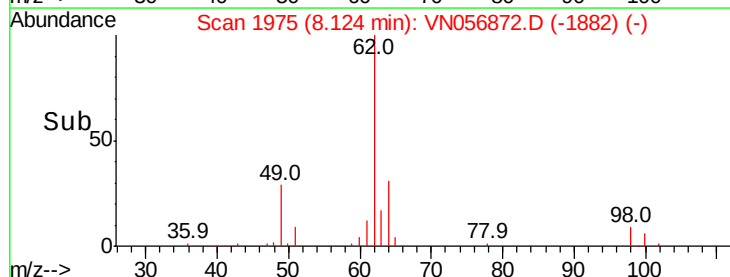
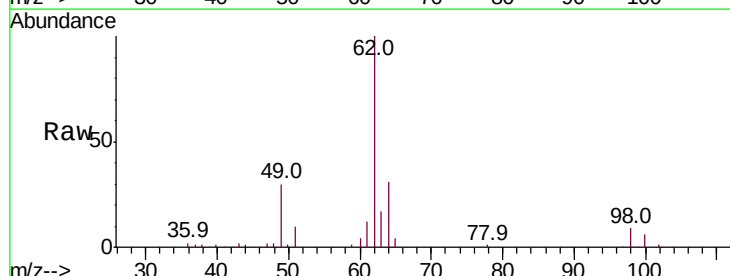
Manual Integrations
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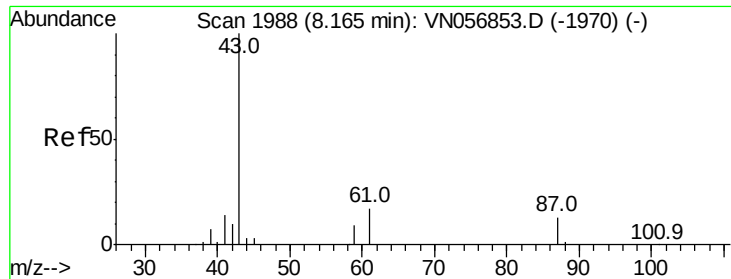
MMDadoda
7/24/2019 1:14:00 PM



#42
1,2-Dichloroethane
Concen: 20.513 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.929 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

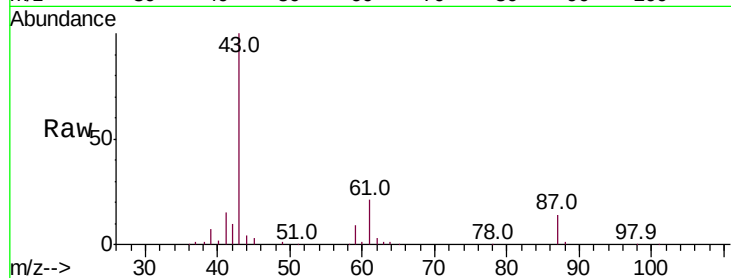
ClientSampleId :

VN0723WBS01

Tot Ion:	43	Resp:	154938
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.8	26.6
87	14.0	11.0	16.4

Manual Integrations
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7/24/2019 1:14:00 PM



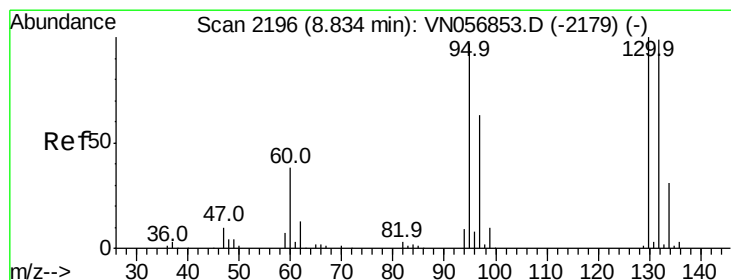
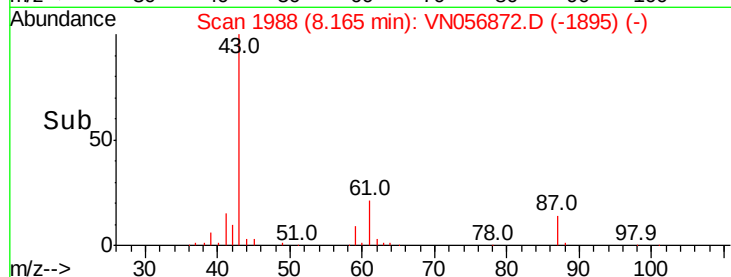
Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056853.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056853.D (-1970) (-)

8.17

Time-->



#44

Trichloroethene

Concen: 20.581 ug/l

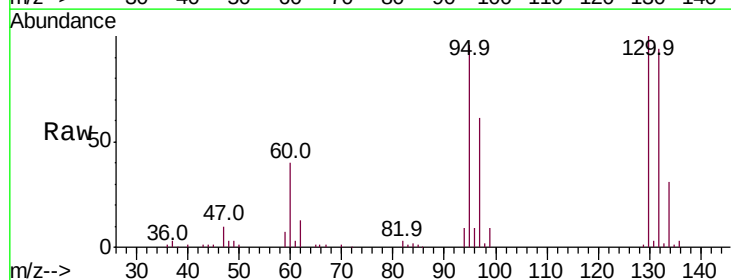
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	130	Resp:	91433
Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	194.0

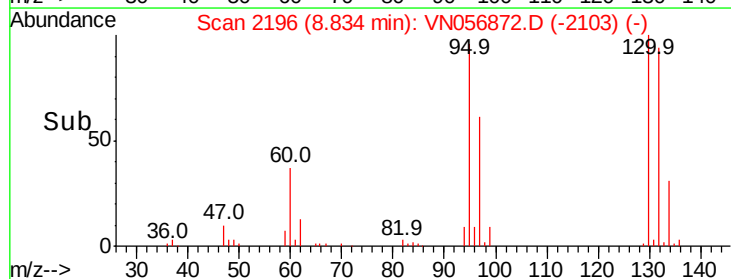


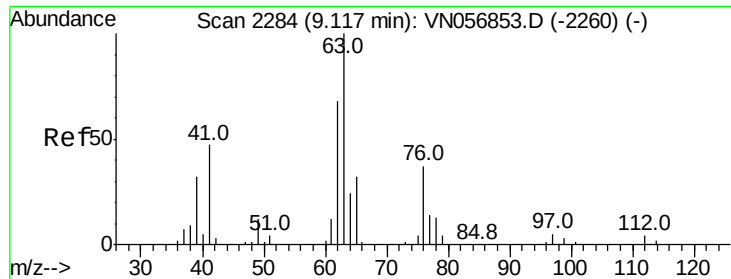
Abundance Ion 129.80 (129.50 to 130.50): VN056853.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056853.D (-2179) (-)

8.83

Time-->





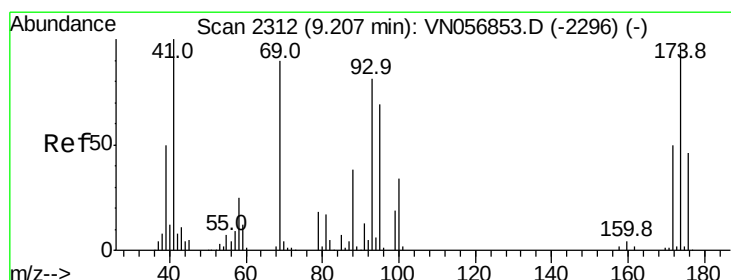
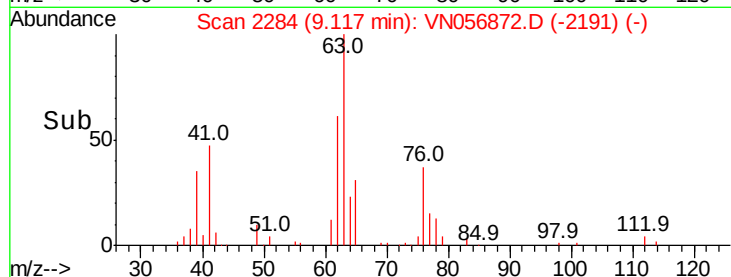
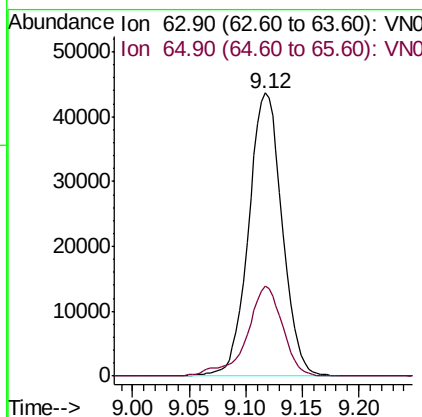
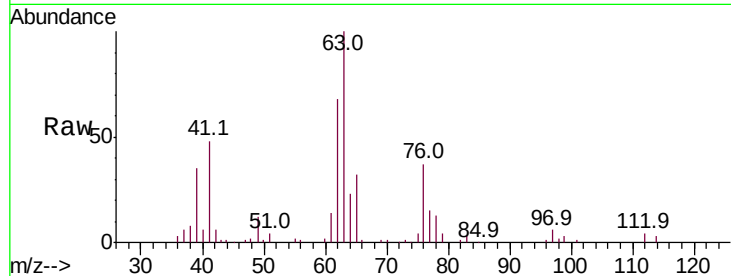
#45
 1,2-Dichloropropane
 Concen: 20.194 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0

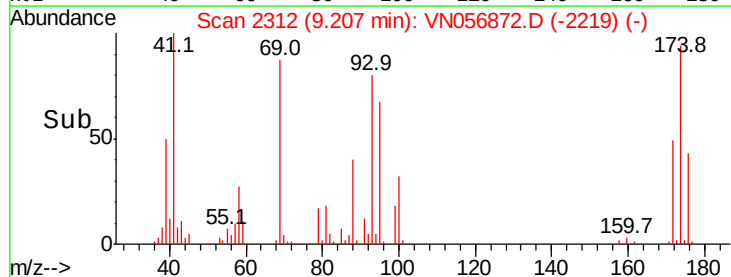
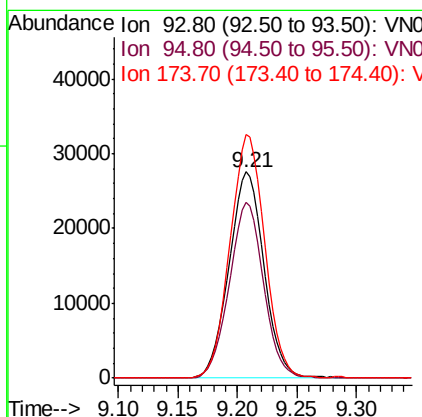
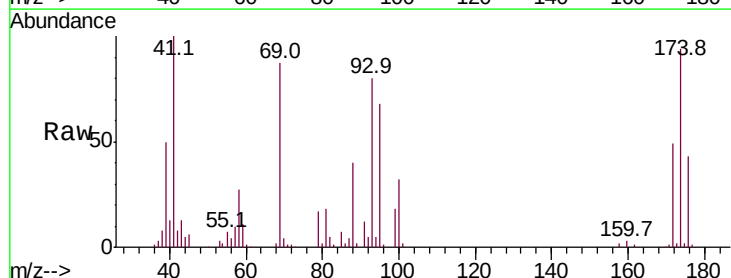
Manual Integrations
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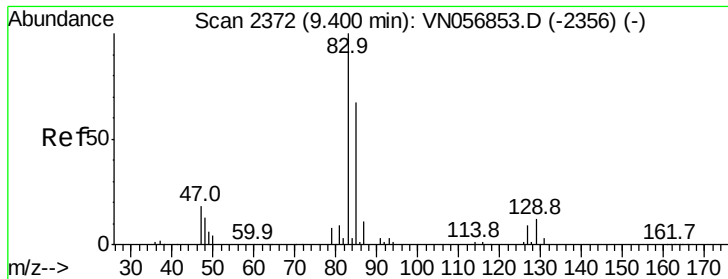
MMDadoda
 7/24/2019 1:14:00 PM



#46
 Dibromomethane
 Concen: 20.375 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.4	101.0
174	116.9	92.9	139.3





#47

Bromodichloromethane

Concen: 20.264 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 83 Resp: 105110
Ion Ratio Lower Upper

83 100

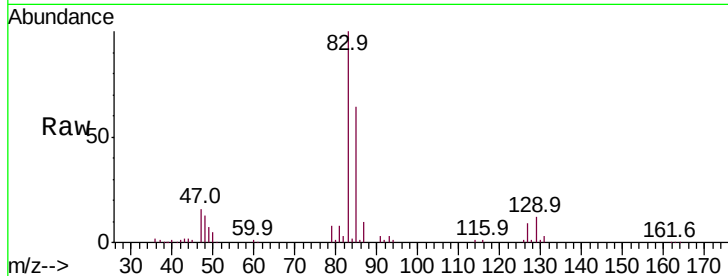
85 63.6 53.4 80.2

127 8.8 7.2 10.8

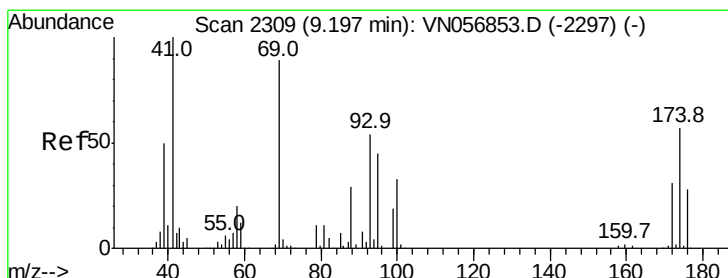
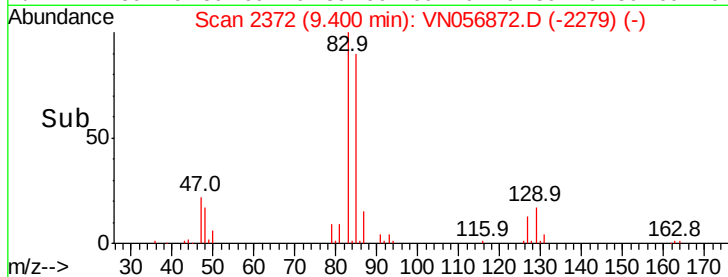
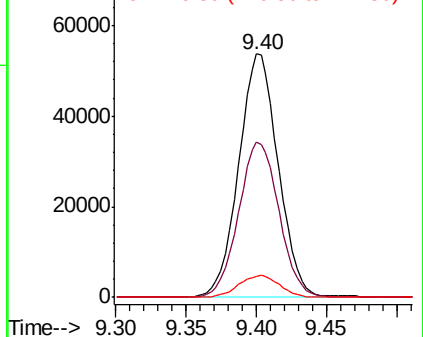
Manual Integrations
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7/24/2019 1:14:00 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.961 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056872.D

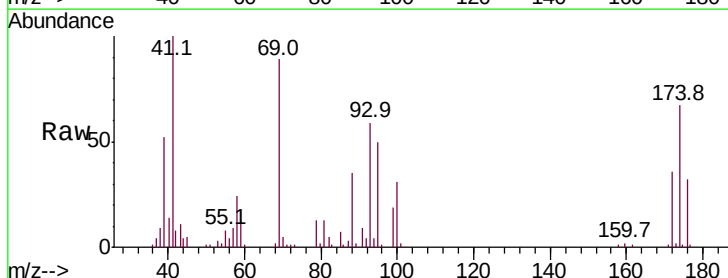
Acq: 23 Jul 2019 12:34

Tgt Ion: 41 Resp: 77628
Ion Ratio Lower Upper

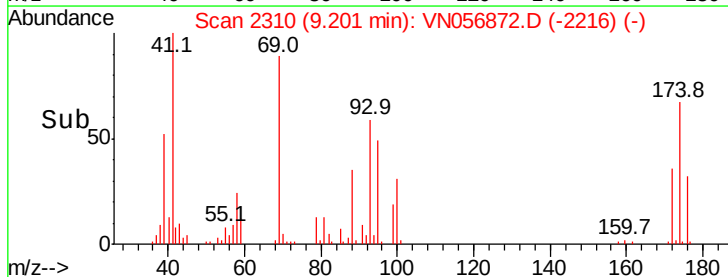
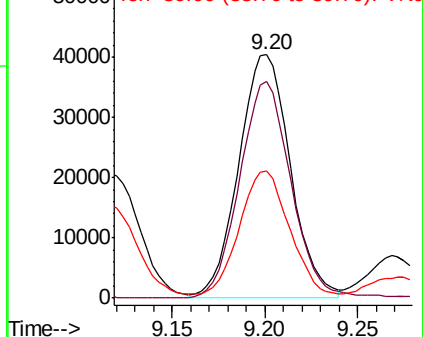
41 100

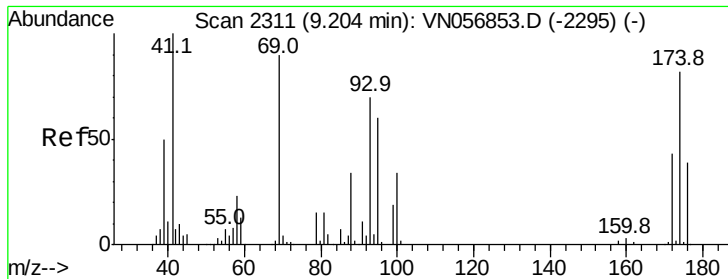
69 89.3 71.1 106.7

39 52.4 40.6 60.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





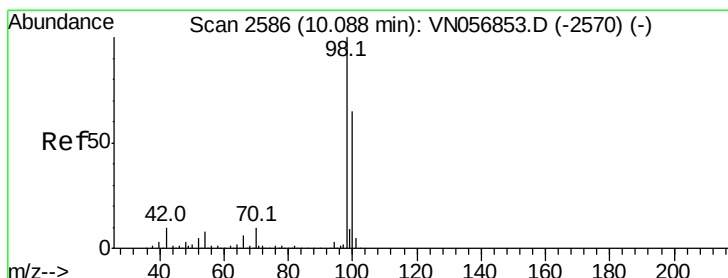
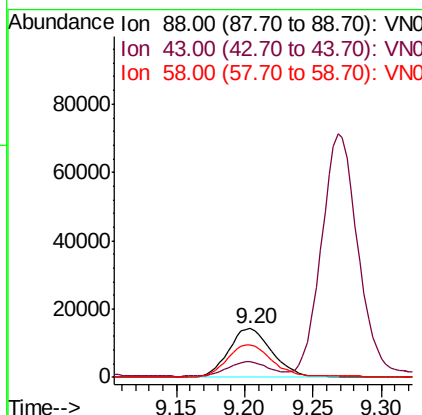
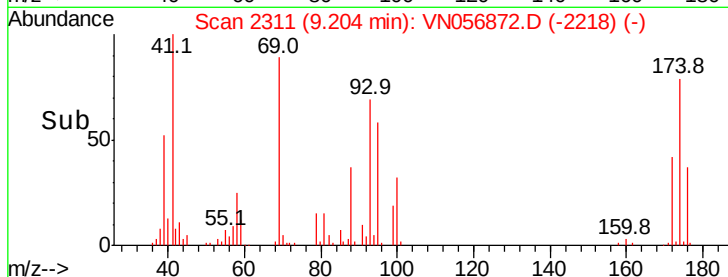
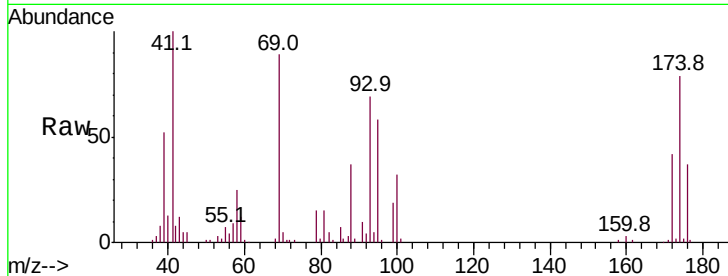
#49
 1,4-Dioxane
 Concen: 434.958 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	88	Resp	31597
Ion	Ratio	Lower	Upper
88	100		
43	29.1	21.4	32.2
58	68.3	55.7	83.5

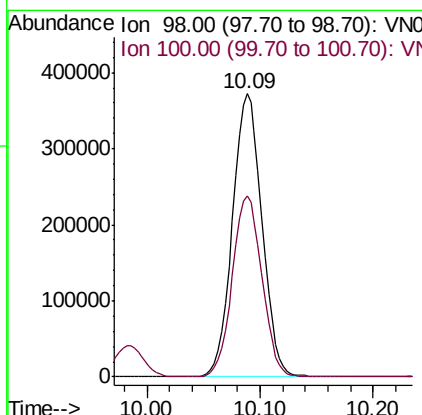
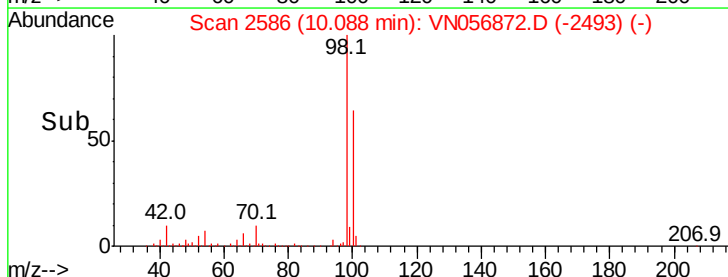
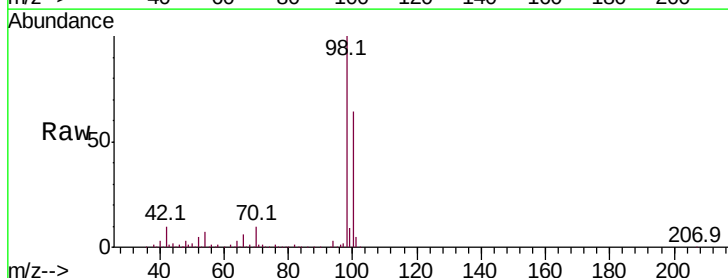
Manual Integrations
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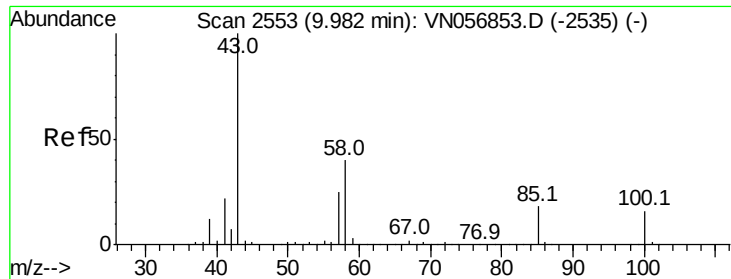
MMDadoda
 7/24/2019 1:14:00 PM



#50
 Toluene-d8
 Concen: 48.023 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	98	Resp	674319
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 108.010 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 43 Resp: 476829

Ion Ratio Lower Upper

43 100

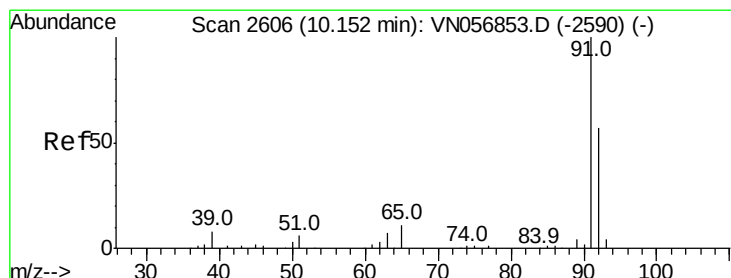
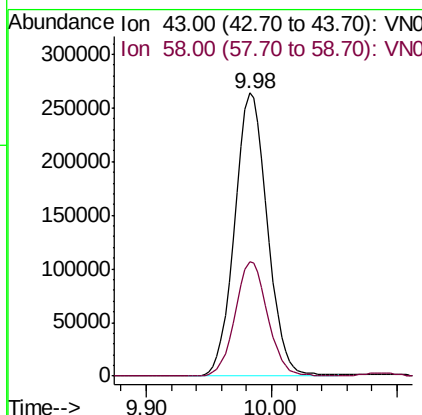
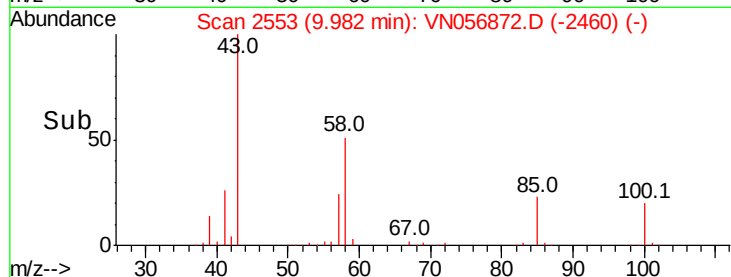
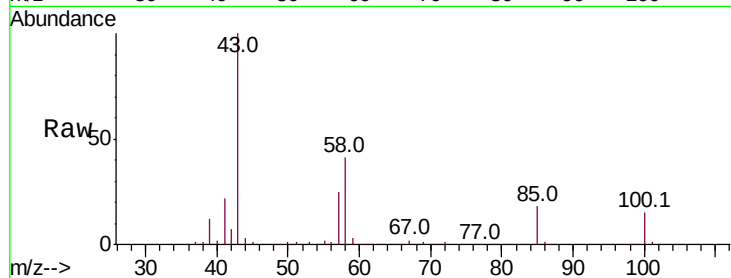
58 40.1 32.4 48.6

Manual Integrations

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MMDadoda

7/24/2019 1:14:00 PM



#52

Toluene

Concen: 20.841 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056872.D

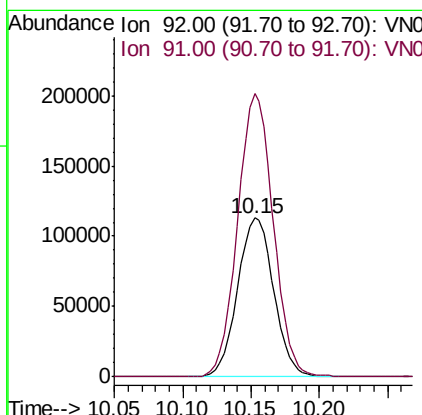
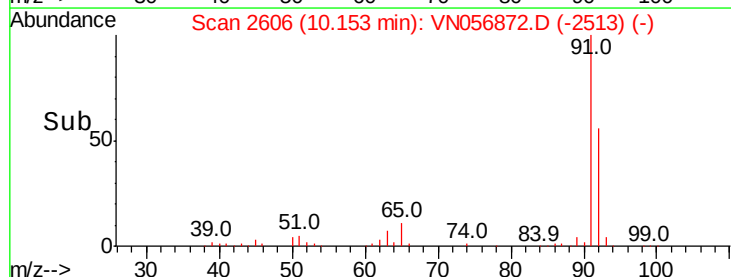
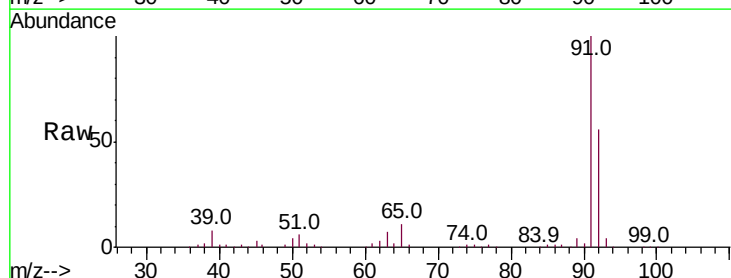
Acq: 23 Jul 2019 12:34

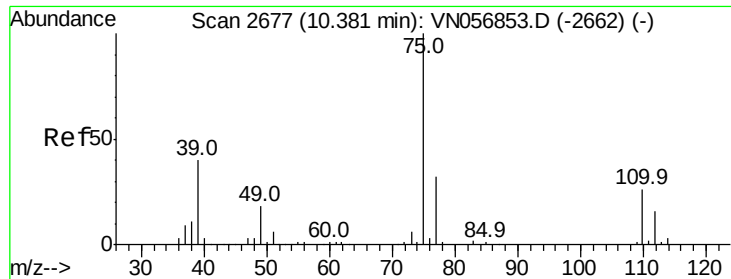
Tgt Ion: 92 Resp: 208034

Ion Ratio Lower Upper

92 100

91 175.8 140.6 210.8





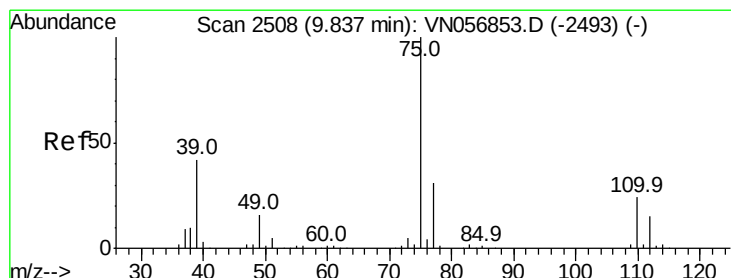
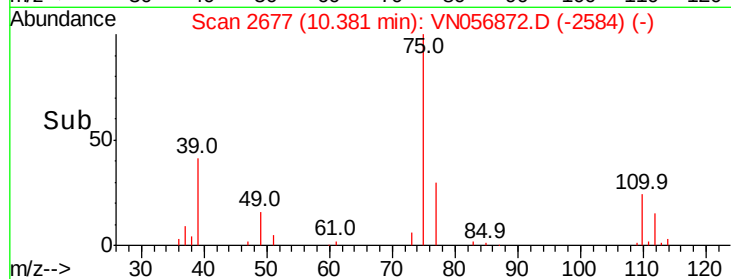
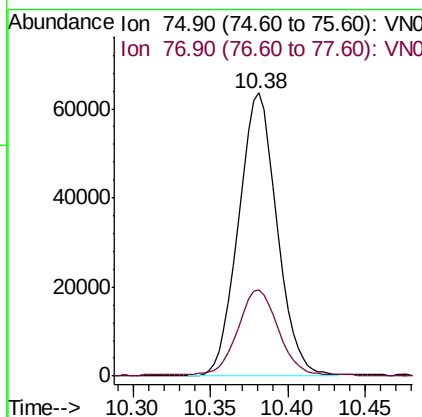
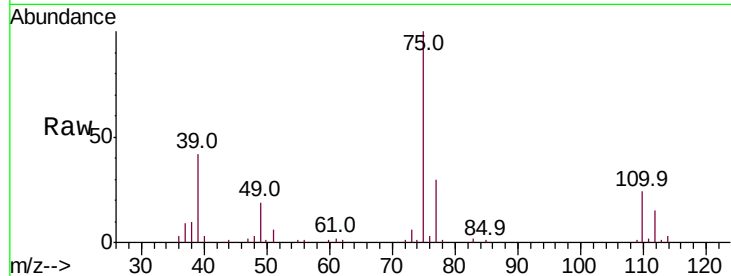
#53
 t-1,3-Dichloropropene
 Concen: 20.738 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion: 75 Resp: 110397
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.4 38.2

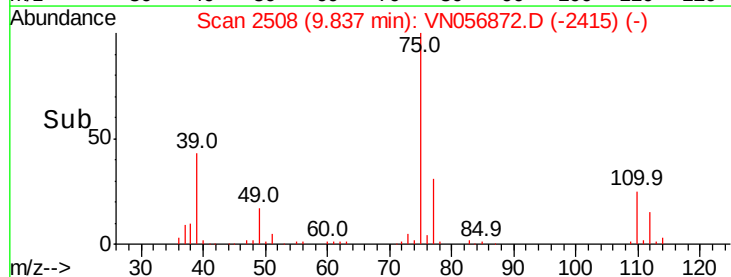
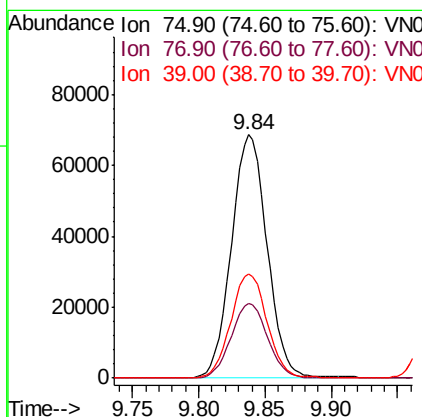
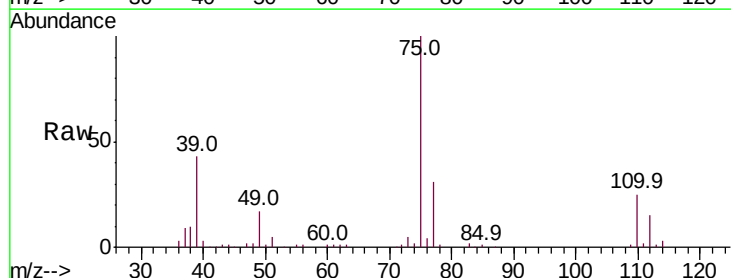
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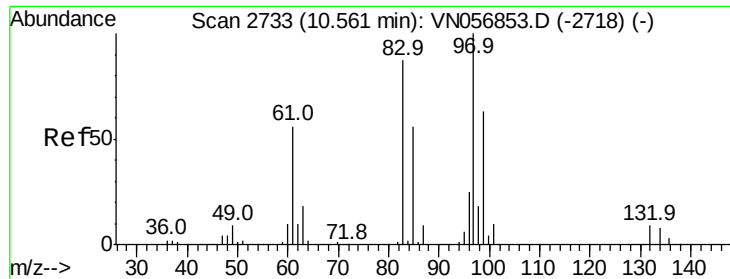
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#54
 cis-1,3-Dichloropropene
 Concen: 20.461 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion: 75 Resp: 128416
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.1 37.7
 39 42.6 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 20.781 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion: 97 Resp: 82330

Ion Ratio Lower Upper

97 100

83 84.4 70.0 105.0

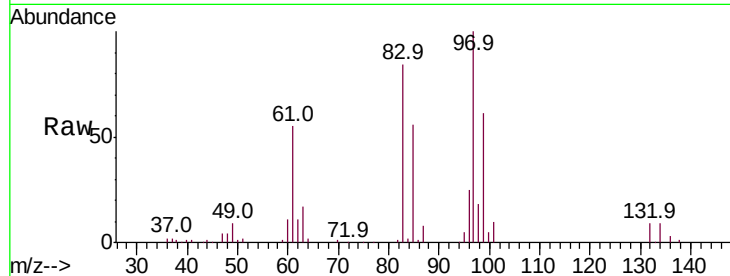
85 56.4 45.1 67.7

99 60.6 50.2 75.4

Manual Integrations
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7/24/2019 1:14:00 PM

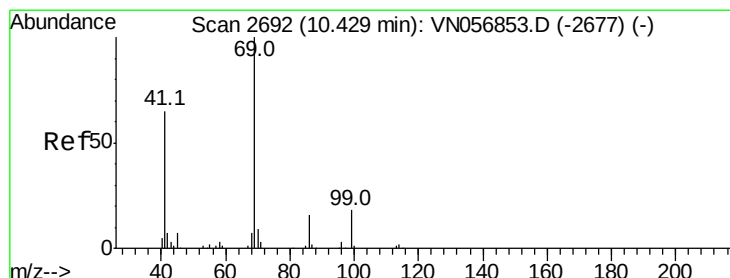
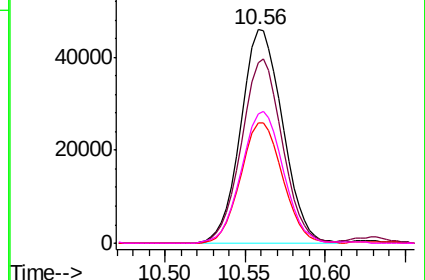
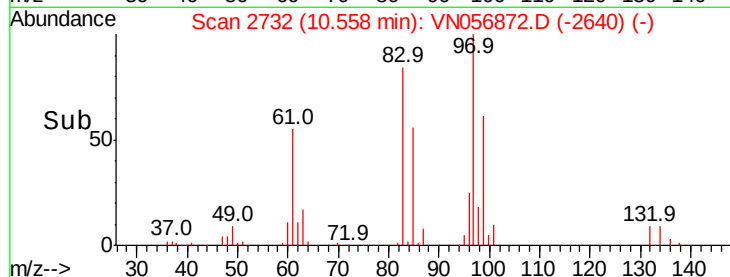


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.266 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

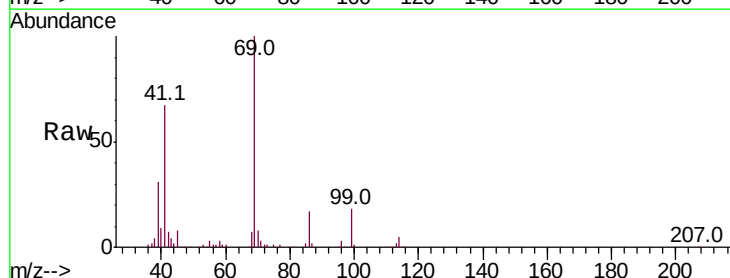
Tgt Ion: 69 Resp: 116958

Ion Ratio Lower Upper

69 100

41 64.7 51.0 76.6

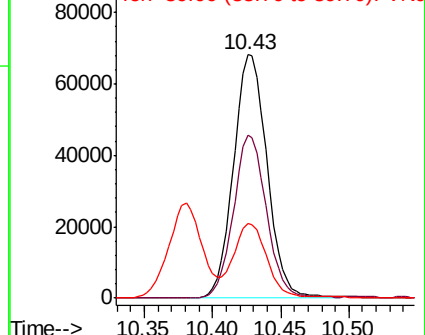
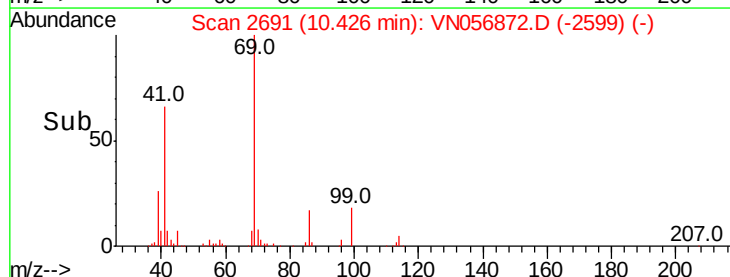
39 30.0 24.5 36.7

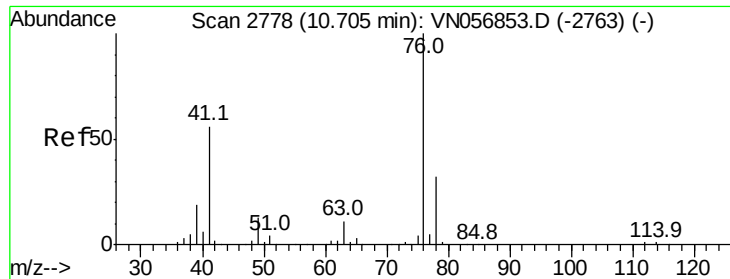


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





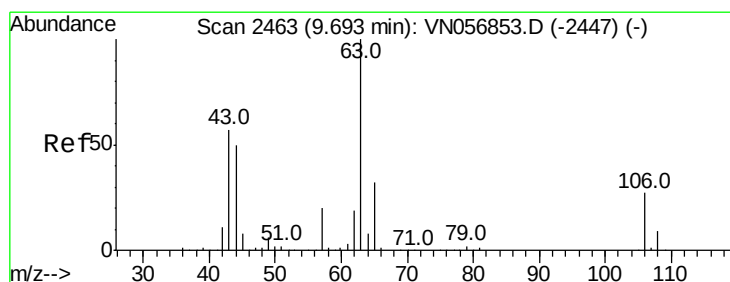
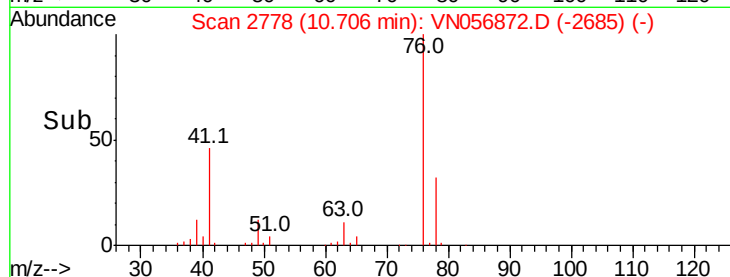
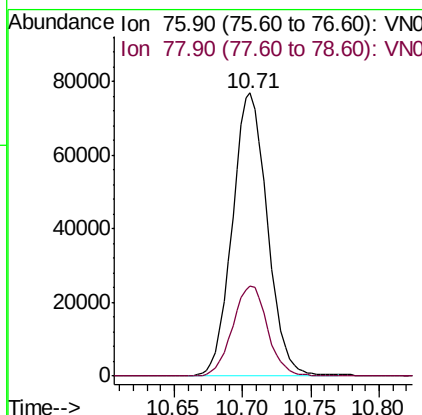
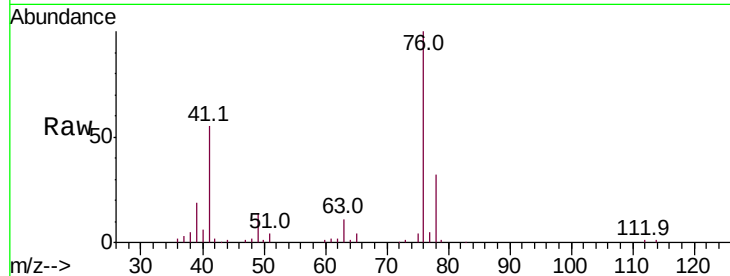
#57
 1,3-Dichloropropane
 Concen: 20.923 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion: 76 Resp: 137212
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

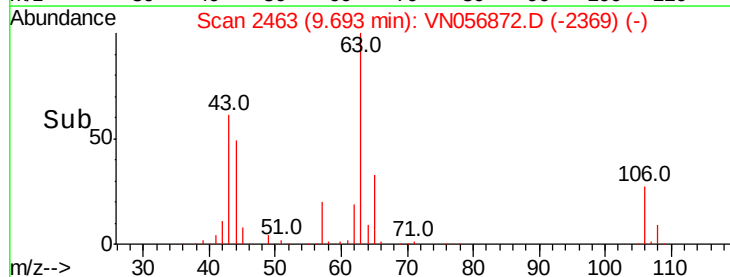
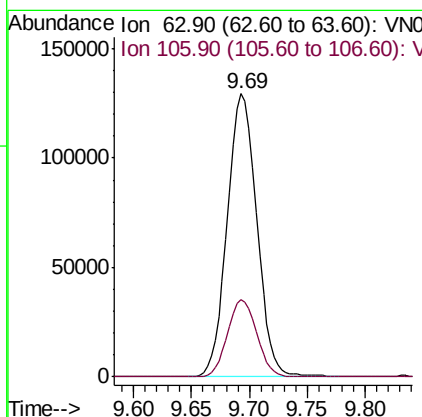
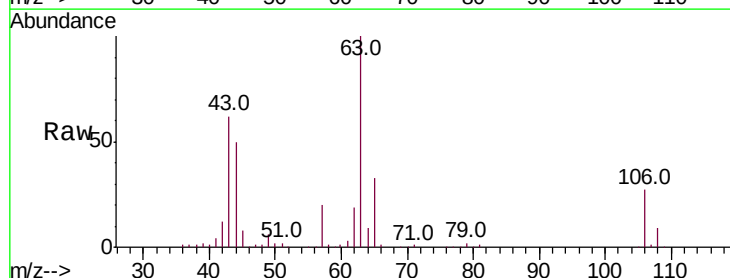
Manual Integrations
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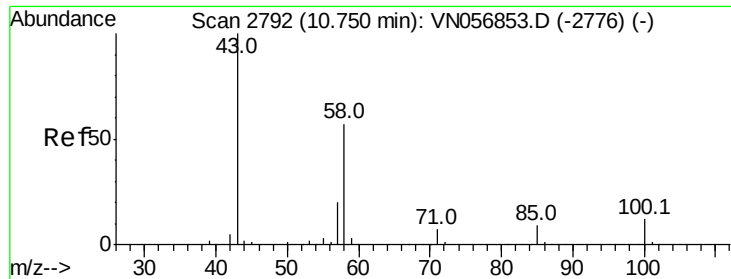
MMDadoda
 7/24/2019 1:14:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.926 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion: 63 Resp: 228494
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8





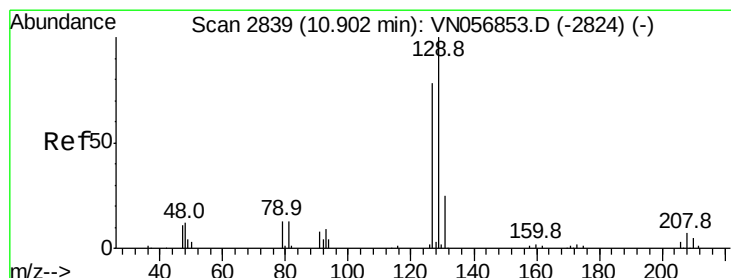
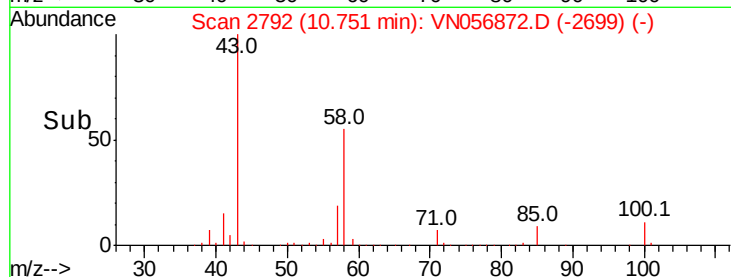
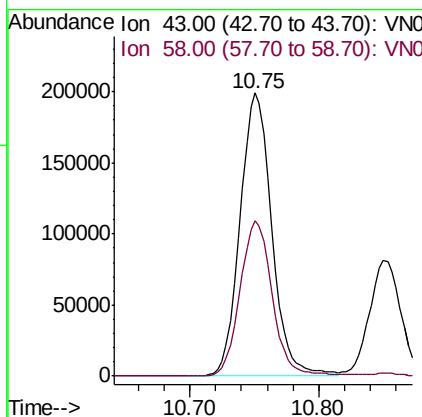
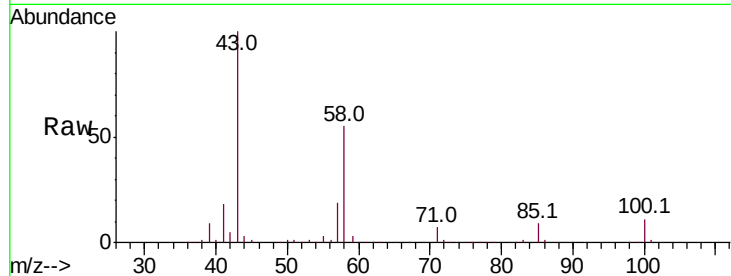
#59
2-Hexanone
Concen: 111.464 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion: 43 Resp: 340613
Ion Ratio Lower Upper
43 100
58 55.9 28.3 85.0

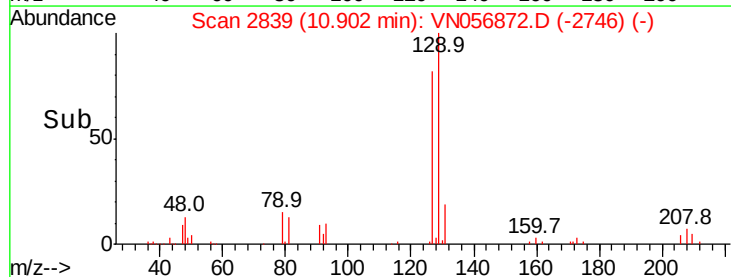
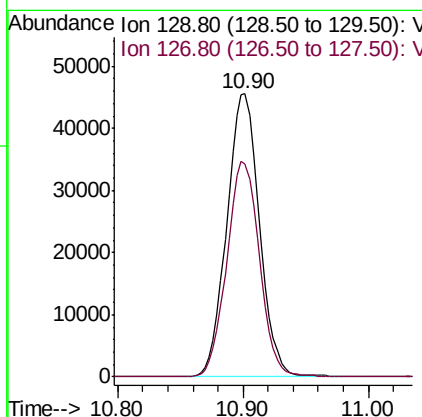
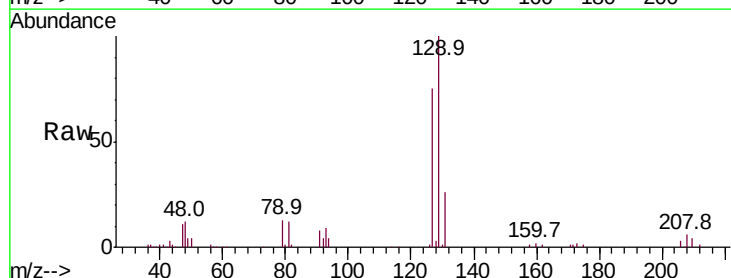
Manual Integrations
APPROVED

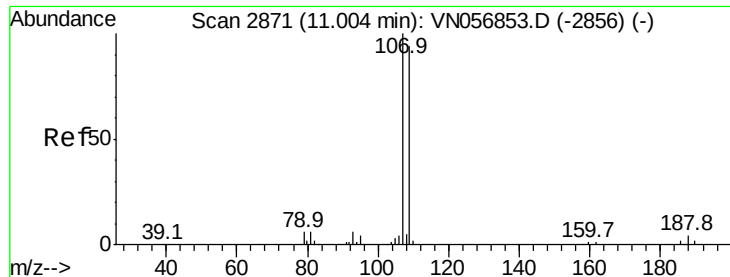
MMDadoda
7/24/2019 1:14:00 PM



#60
Dibromochloromethane
Concen: 20.695 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion: 129 Resp: 82272
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





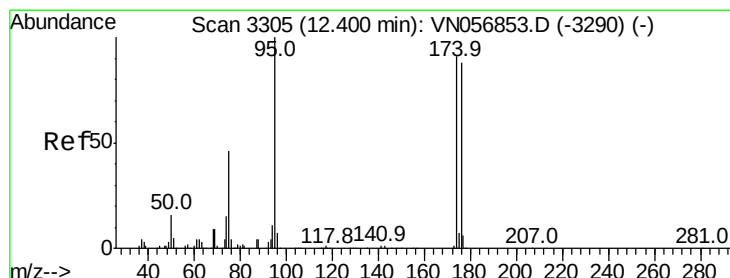
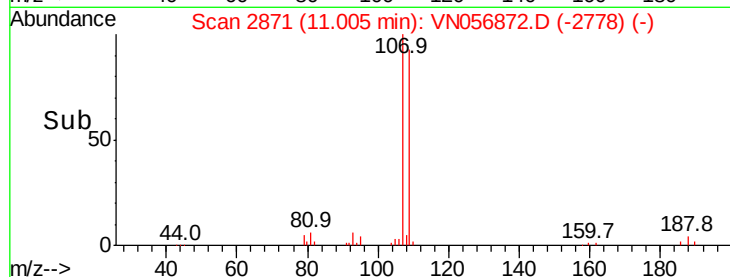
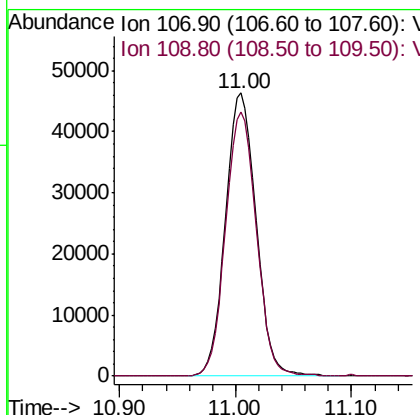
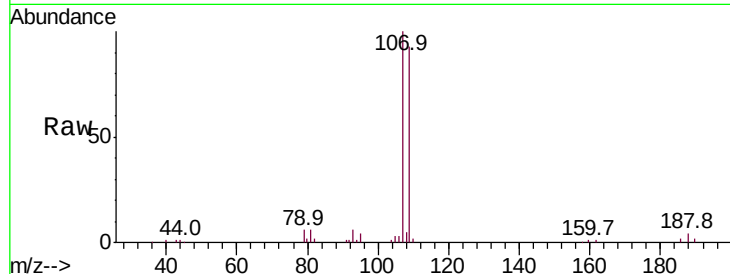
#61
 1,2-Dibromoethane
 Concen: 21.444 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0723WBS01

Tot Ion:107 Resp: 84375
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.3 112.9

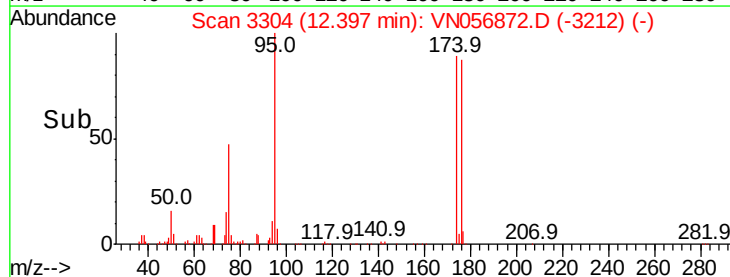
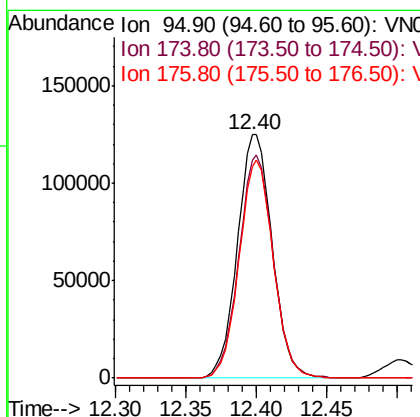
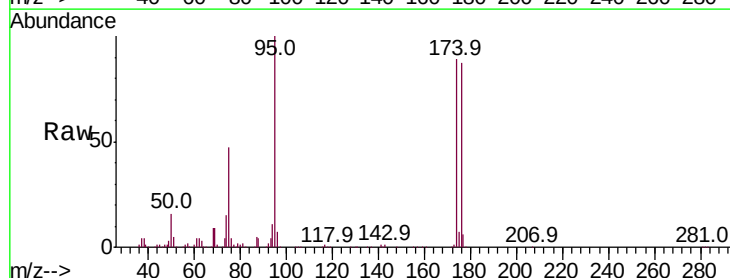
Manual Integrations
 APPROVED

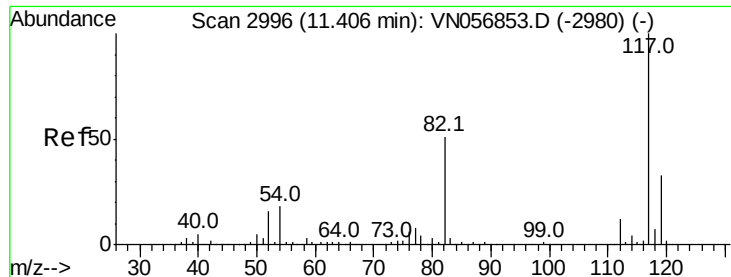
MMDadoda
 7/24/2019 1:14:00 PM



#62
 4-Bromofluorobenzene
 Concen: 46.922 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion: 95 Resp: 215618
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 183.4
 176 87.9 0.0 175.8





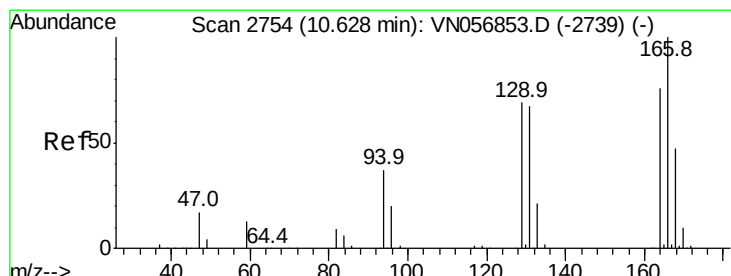
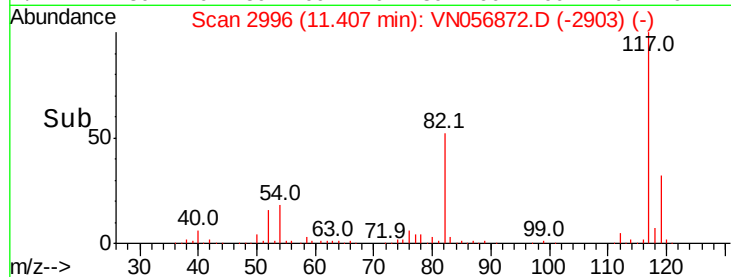
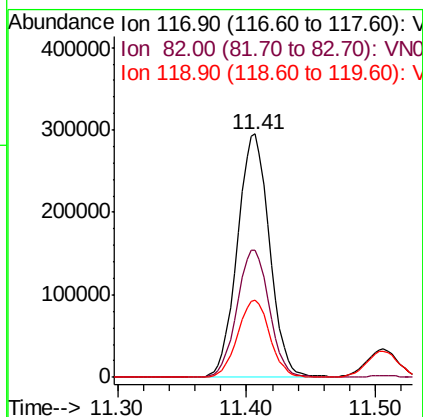
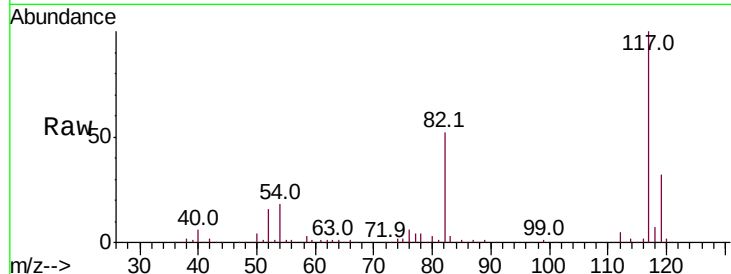
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.2	61.8
119	31.9	26.4	39.6

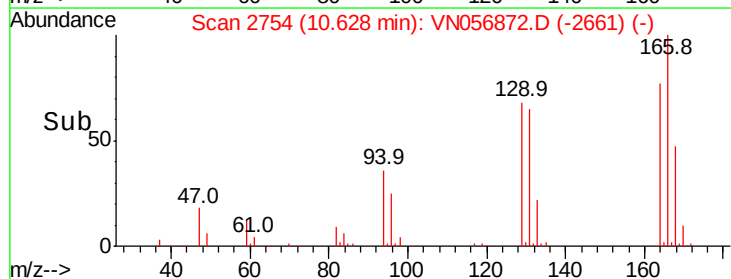
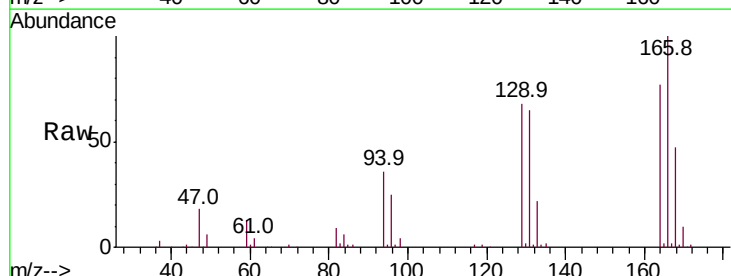
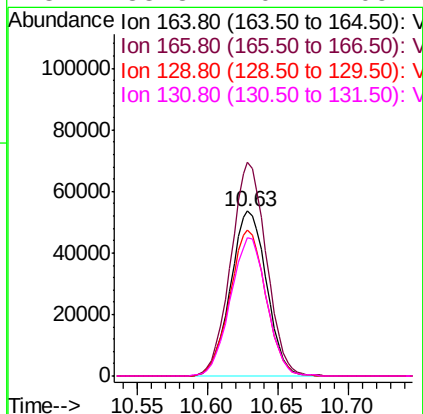
Manual Integrations
APPROVED

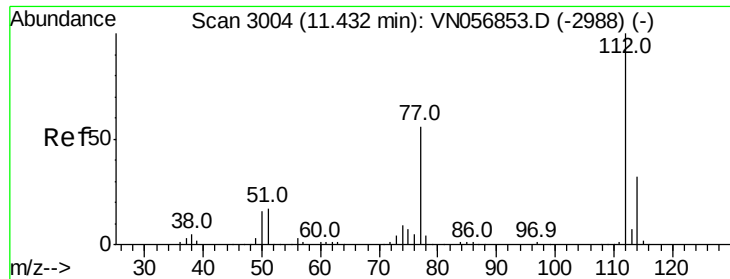
MMDadoda
7/24/2019 1:14:00 PM



#64
Tetrachloroethene
Concen: 21.834 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	104.9	157.3
129	88.6	72.8	109.2
131	83.8	70.2	105.2





#65

Chlorobenzene

Concen: 20.652 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0723WBS01

Tot Ion:112 Resp: 219795

Ion Ratio Lower Upper

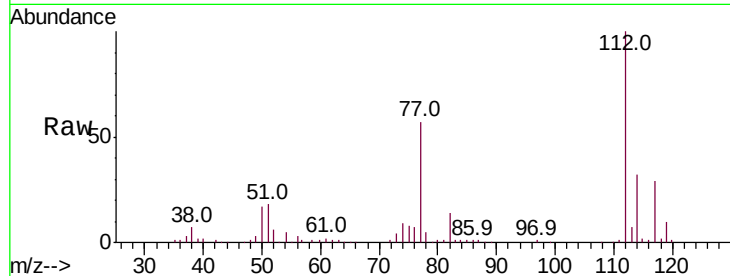
112 100

114 31.5 25.5 38.3

Manual Integrations
APPROVED

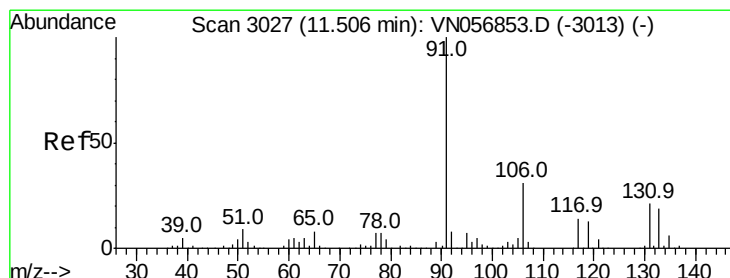
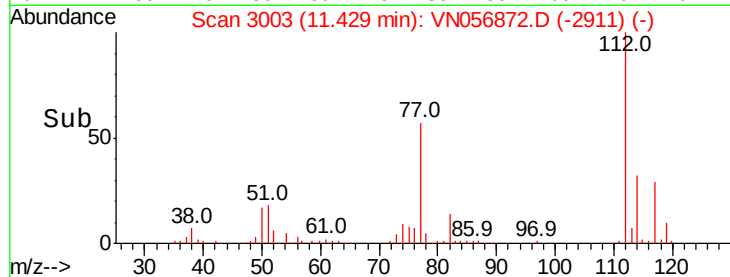
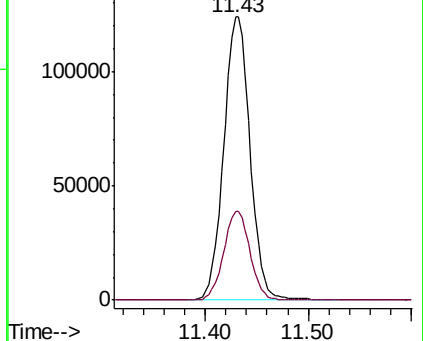
MMDadoda

7/24/2019 1:14:00 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.605 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

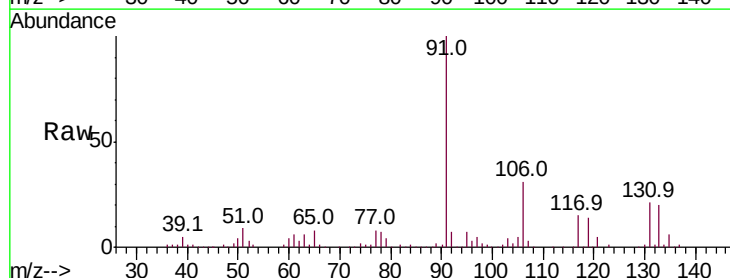
Tgt Ion:131 Resp: 82675

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.3

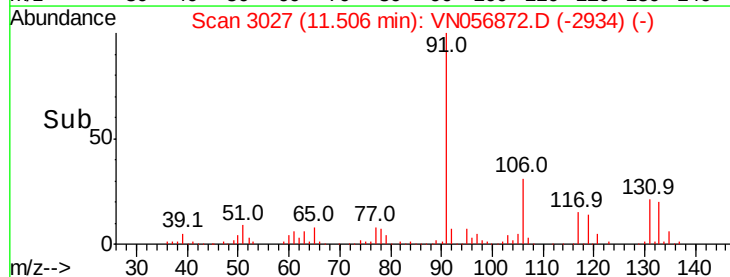
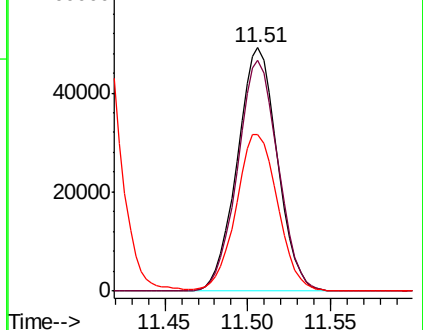
119 67.0 33.1 99.5

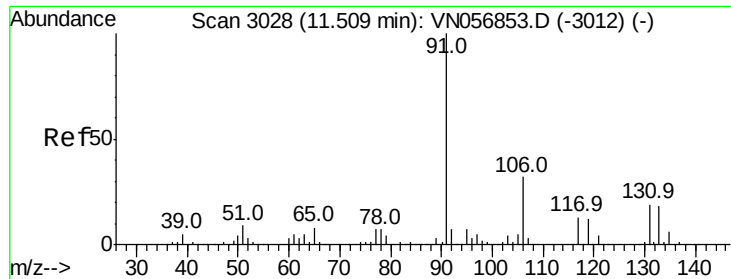


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





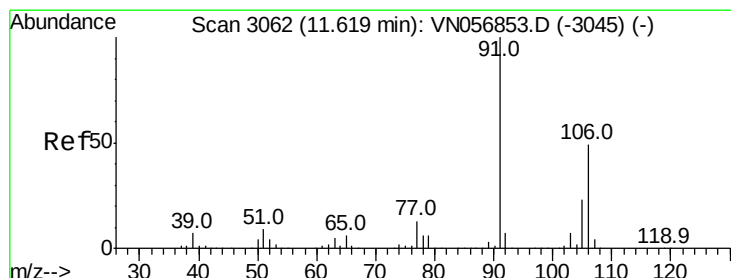
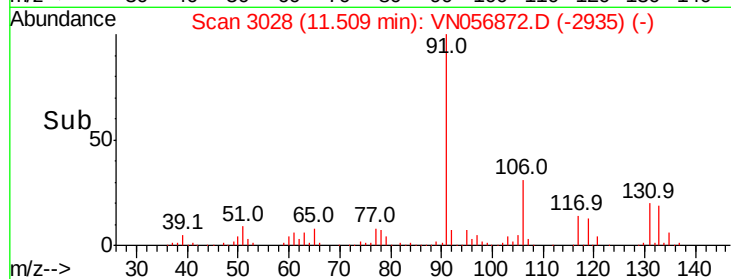
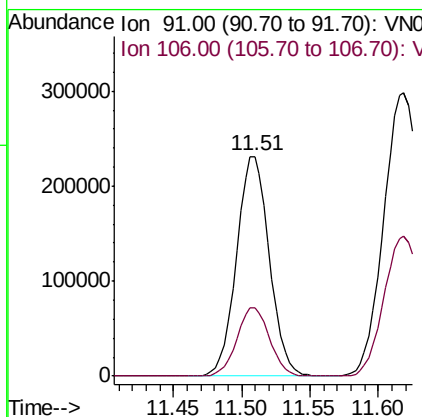
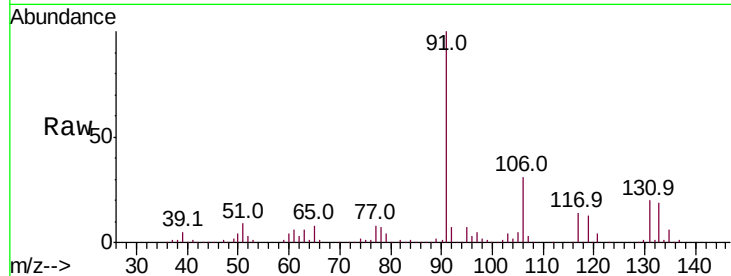
#67
Ethyl Benzene
Concen: 20.973 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0723WBS01

Tot Ion: 91 Resp: 385351
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

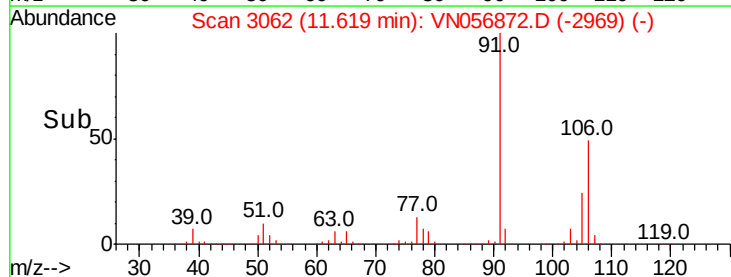
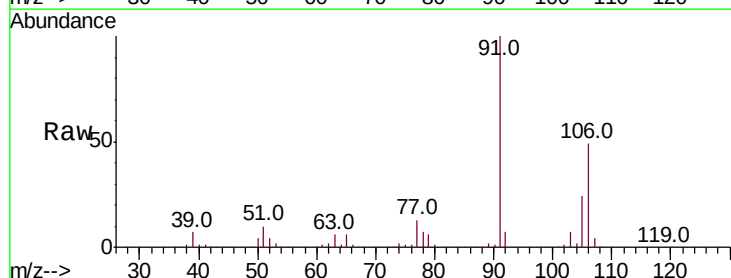
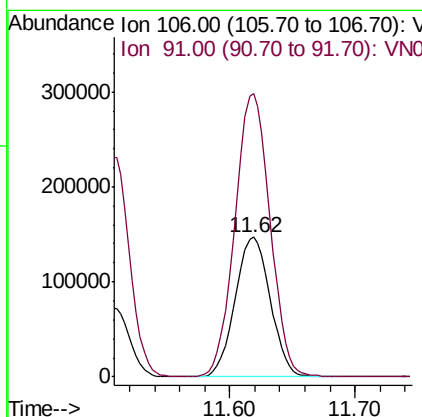
Manual Integrations
APPROVED

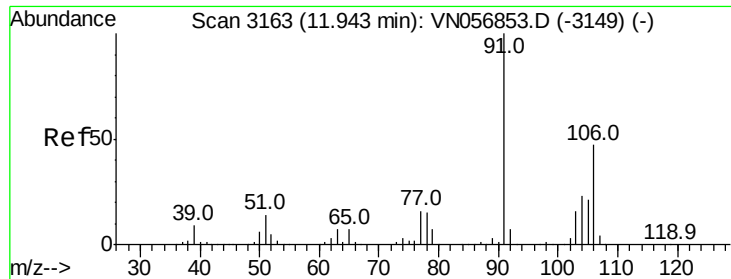
MMDadoda
7/24/2019 1:14:00 PM



#68
m/p-Xylenes
Concen: 41.573 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion: 106 Resp: 285958
Ion Ratio Lower Upper
106 100
91 203.1 160.5 240.7





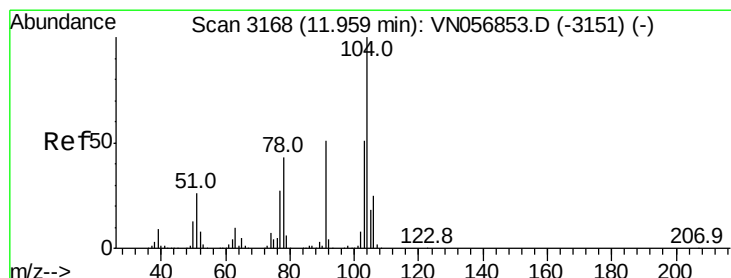
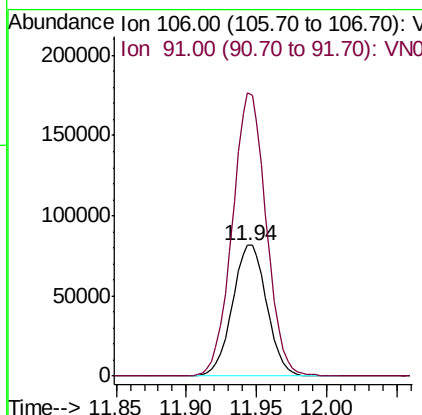
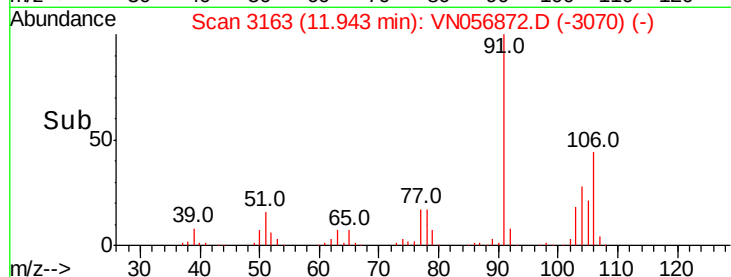
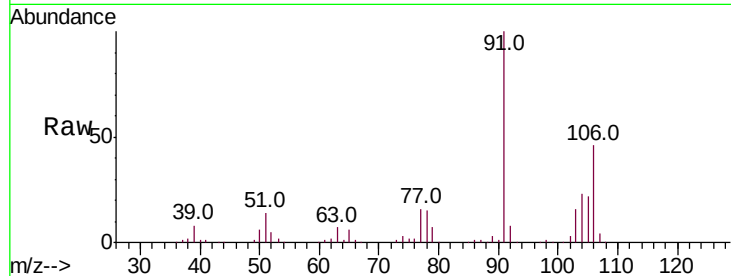
#69
o-Xylene
Concen: 20.742 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.3	105.1	315.3

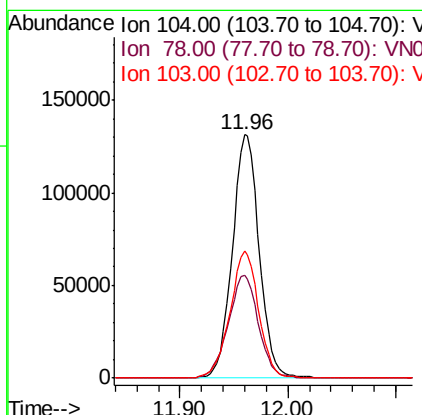
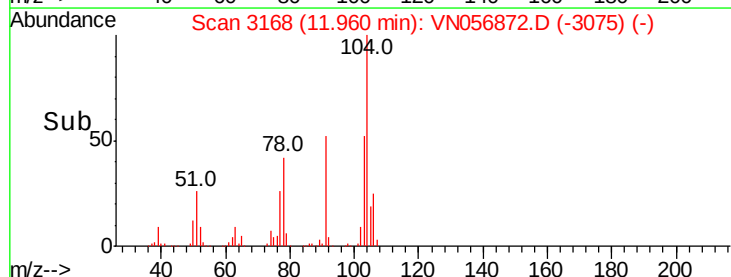
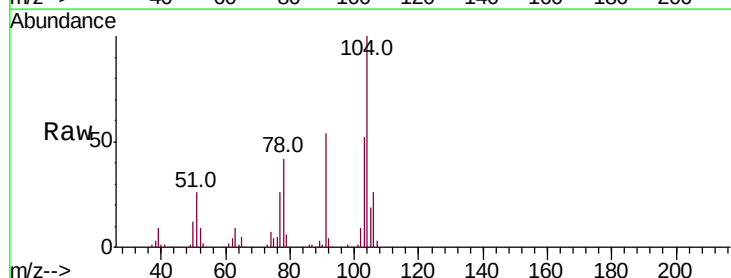
Manual Integrations
APPROVED

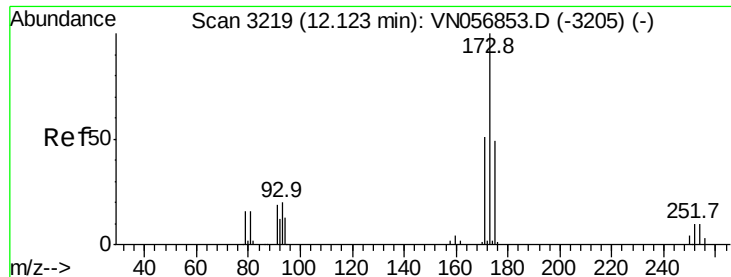
MMDadoda
7/24/2019 1:14:00 PM



#70
Styrene
Concen: 19.689 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.1	57.1
103	55.7	44.2	66.4





#71

Bromoform

Concen: 20.600 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion:173 Resp: 57279

Ion Ratio Lower Upper

173 100

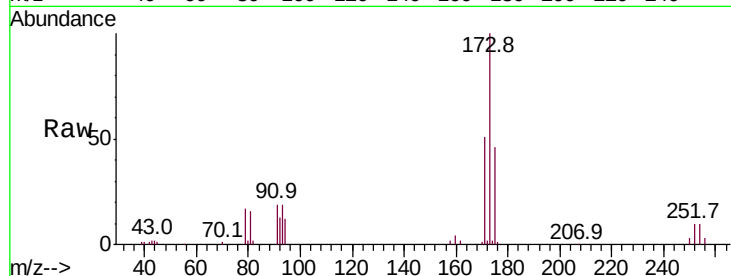
175 48.3 24.1 72.3

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

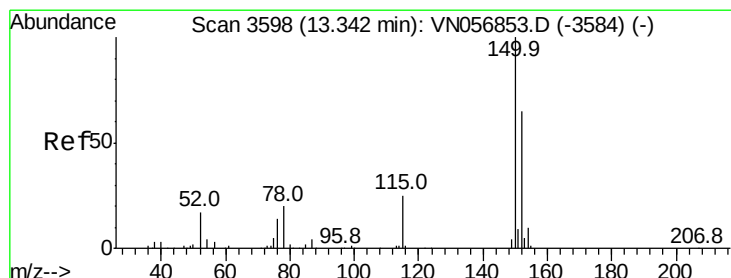
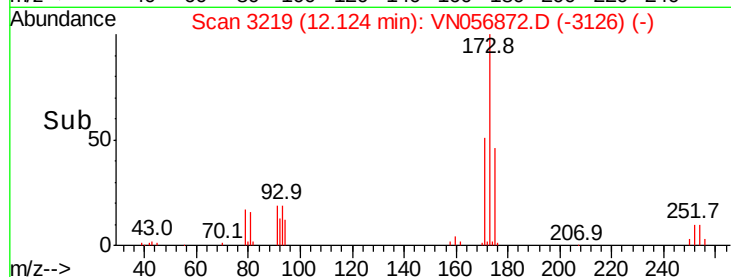
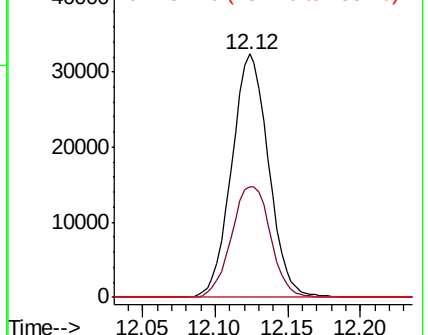
7/24/2019 1:14:00 PM



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: VN056872.D

Acq: 23 Jul 2019 12:34

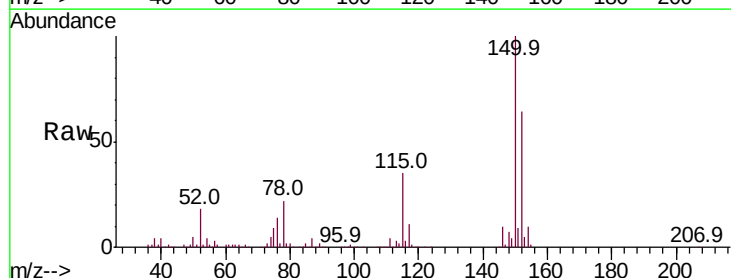
Tgt Ion:152 Resp: 209854

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.7

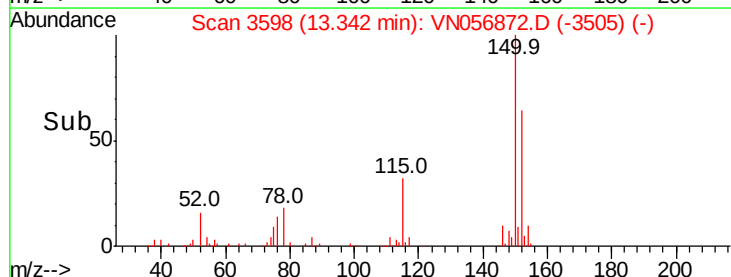
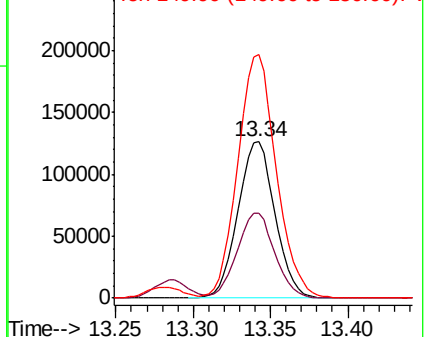
150 162.9 0.0 343.0

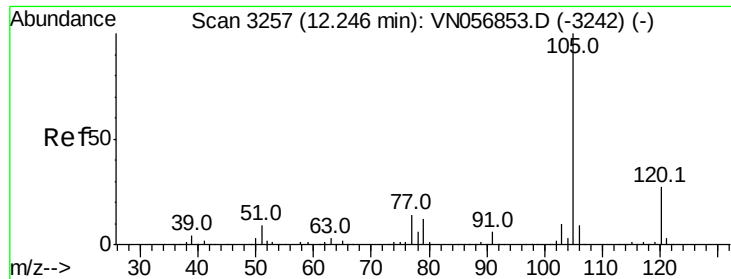


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.942 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0723WBS01

Tot Ion:105 Resp: 368142

Ion Ratio Lower Upper

105 100

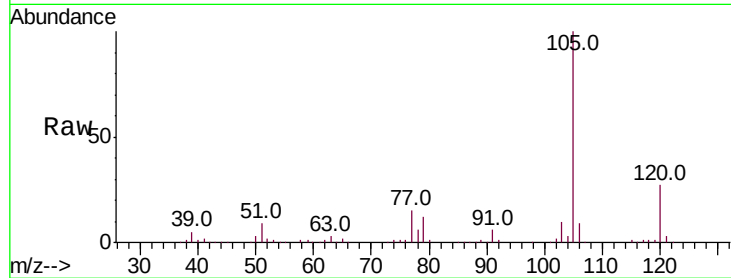
120 26.8 13.4 40.2

Manual Integrations

APPROVED

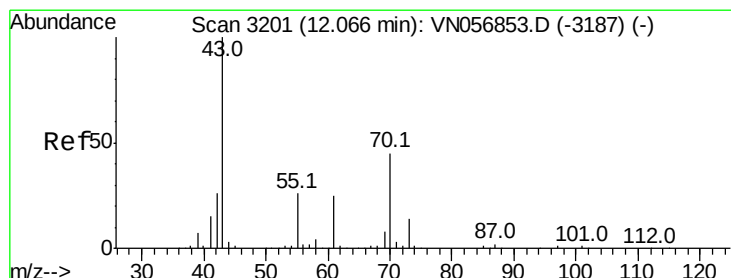
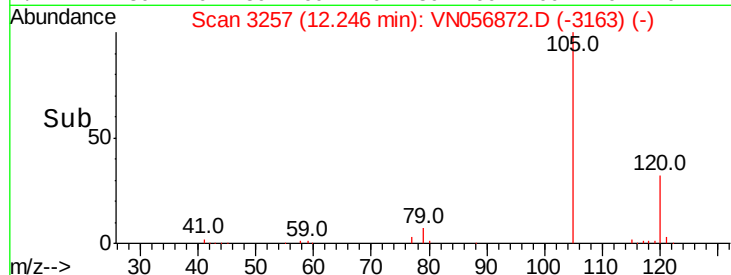
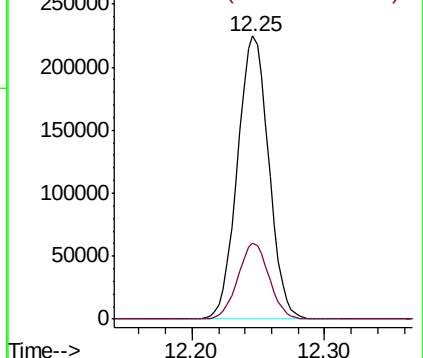
MMDadoda

7/24/2019 1:14:00 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.198 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion: 43 Resp: 124454

Ion Ratio Lower Upper

43 100

70 45.0 35.3 52.9

55 25.7 20.6 31.0

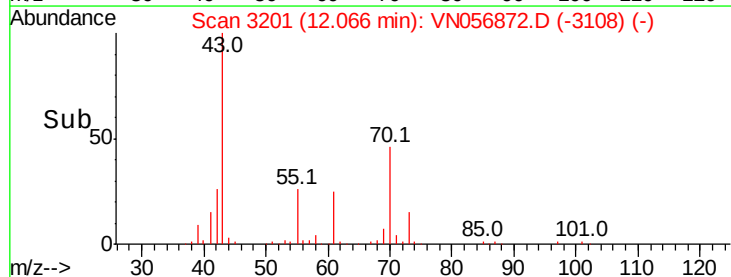
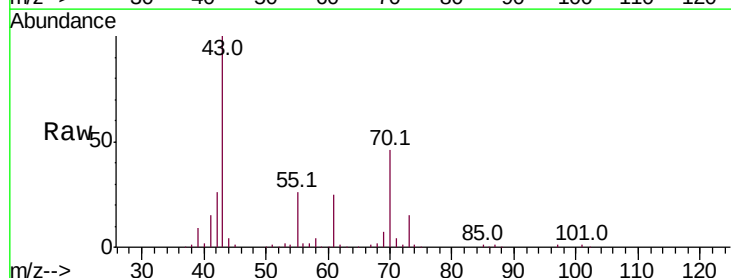
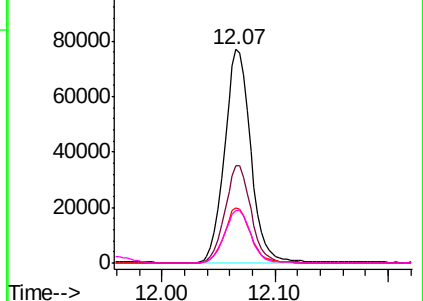
61 24.7 20.2 30.2

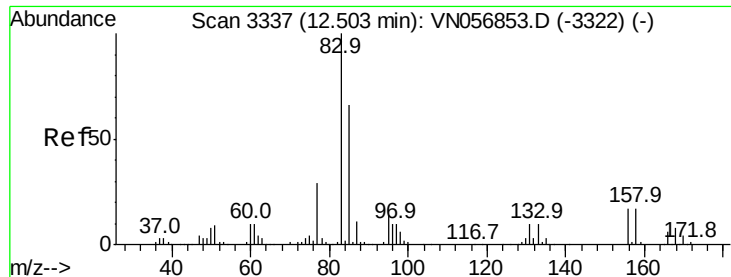
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.704 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

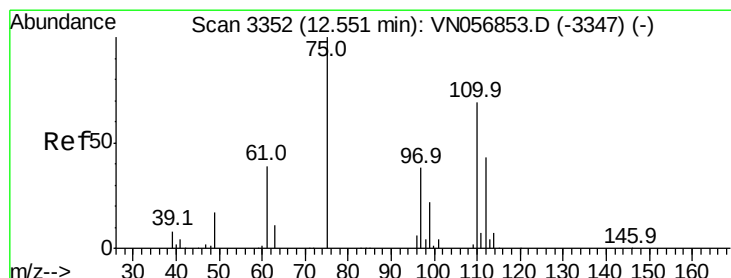
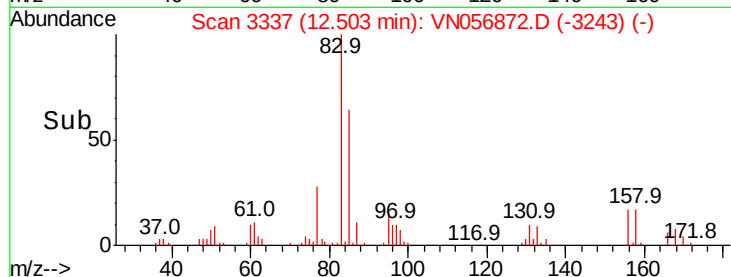
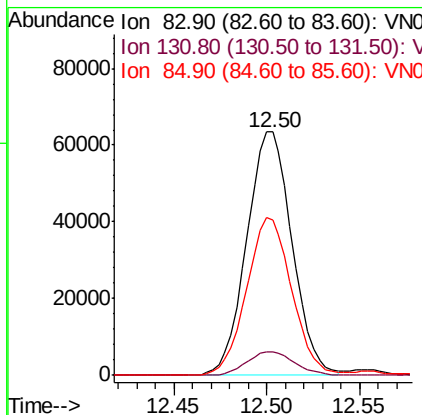
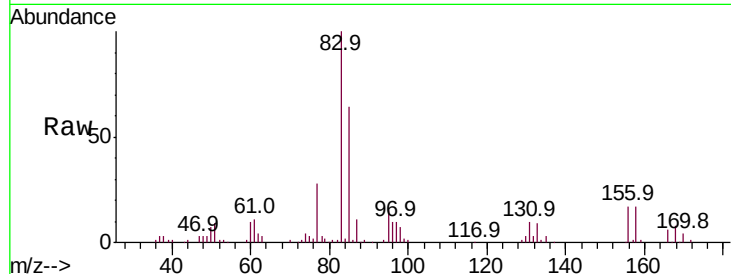
ClientSampleId :

VN0723WBS01

Tot Ion:	83	Resp:	108164
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.6	32.8	98.3

Manual Integrations
APPROVED

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7/24/2019 1:14:00 PM



#76

1,2,3-Trichloropropane

Concen: 21.268 ug/l m

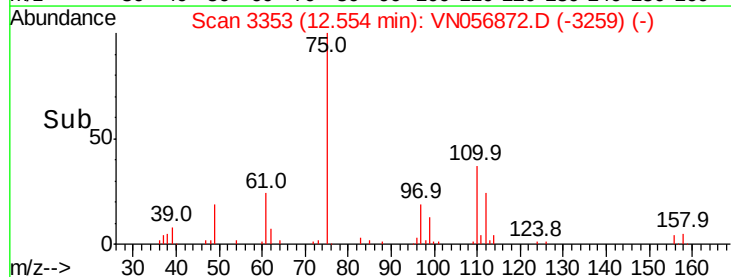
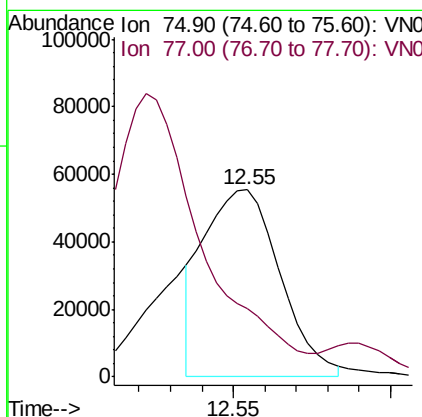
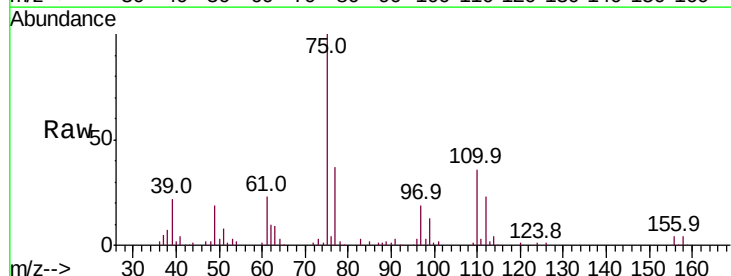
RT: 12.55 min Scan# 3353

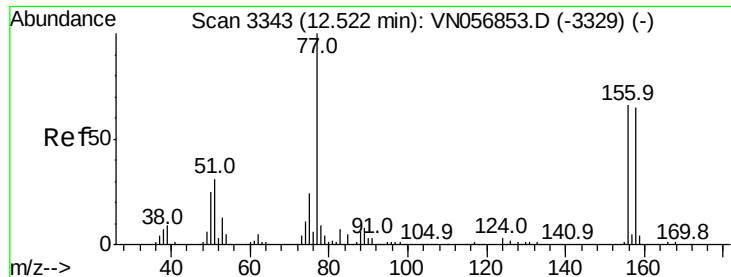
Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	75	Resp:	92496
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.083 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

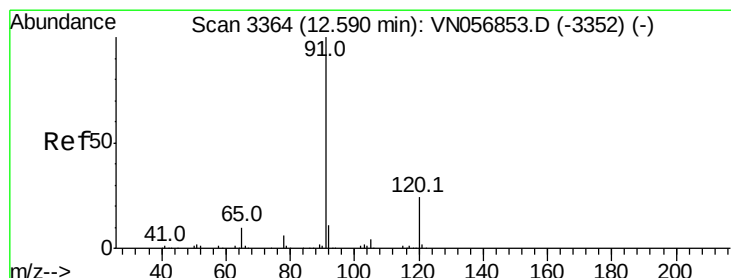
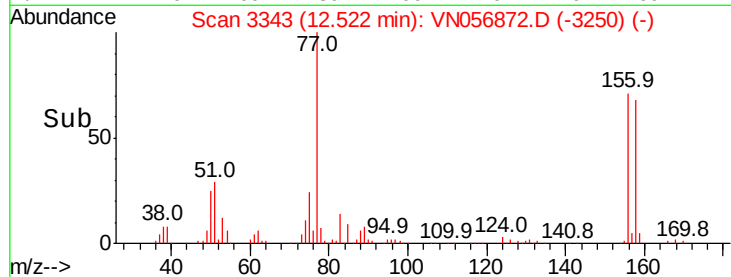
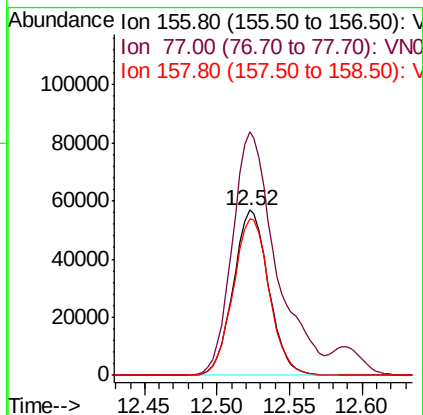
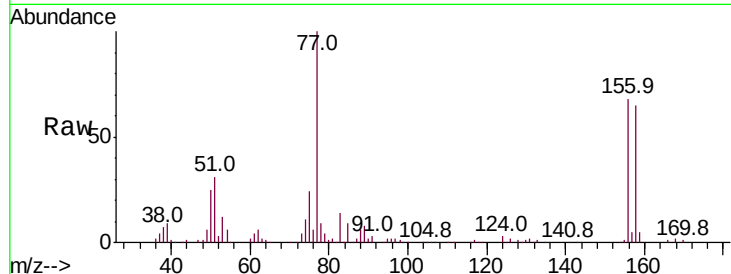
ClientSampleId :

VN0723WBS01

Tot Ion:	156	Resp:	96505
Ion	Ratio	Lower	Upper
156	100		
77	182.1	90.7	272.1
158	96.7	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 20.632 ug/l

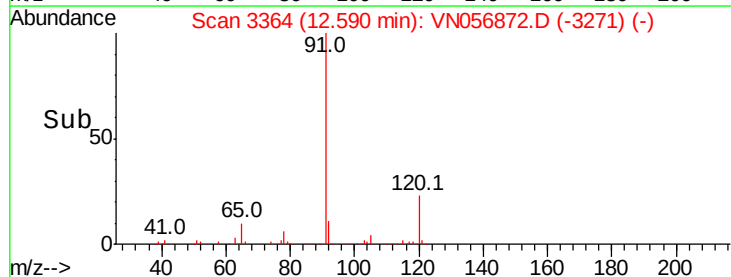
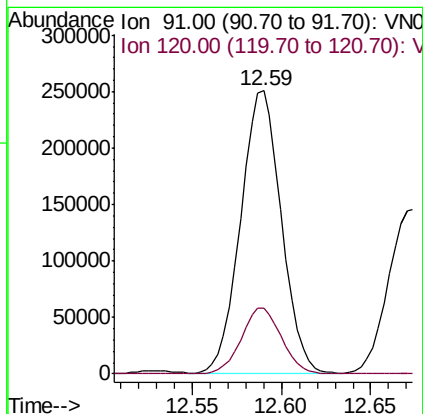
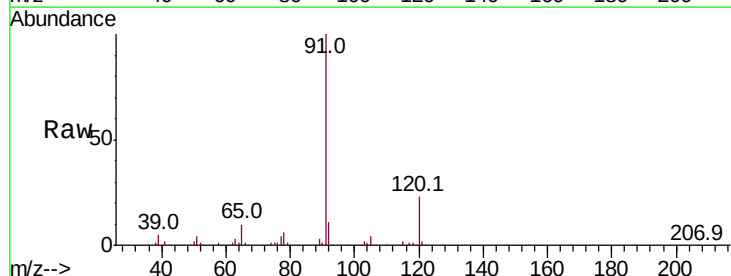
RT: 12.59 min Scan# 3364

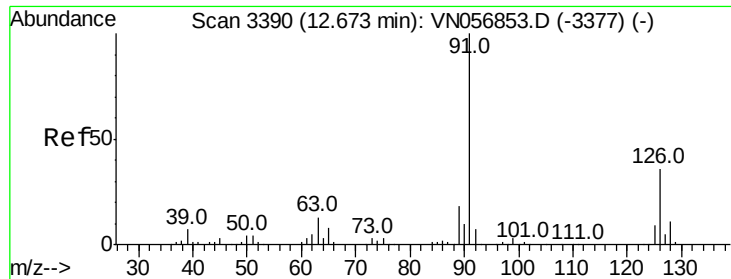
Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	91	Resp:	397964
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.4





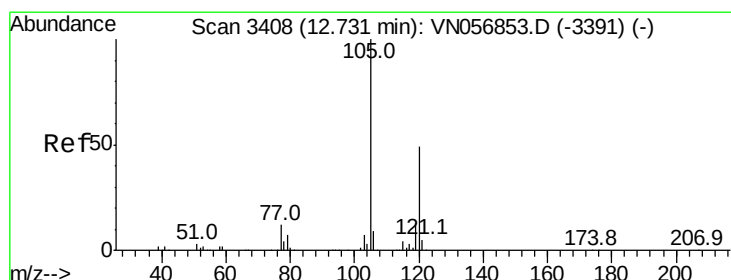
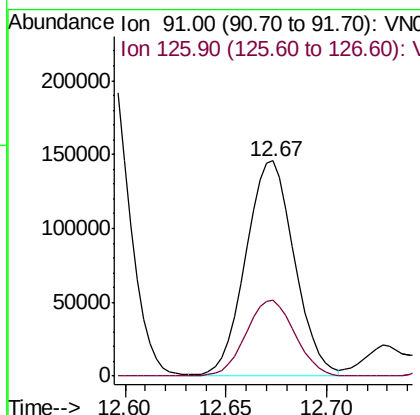
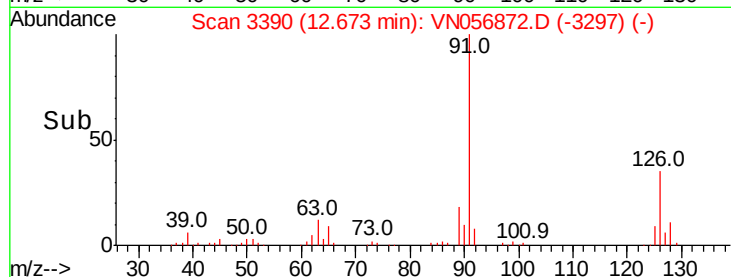
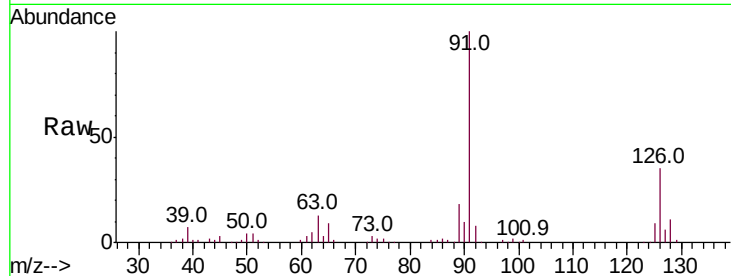
#79
2-Chlorotoluene
Concen: 21.208 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion: 91 Resp: 244273
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.5

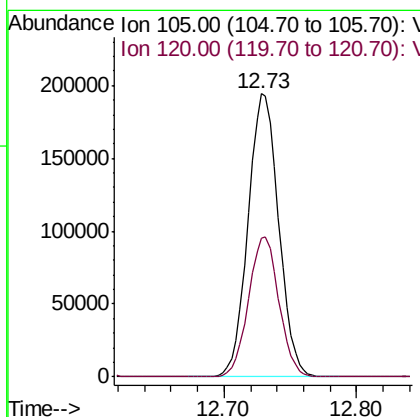
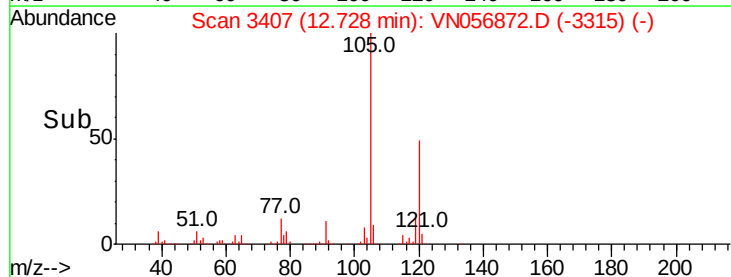
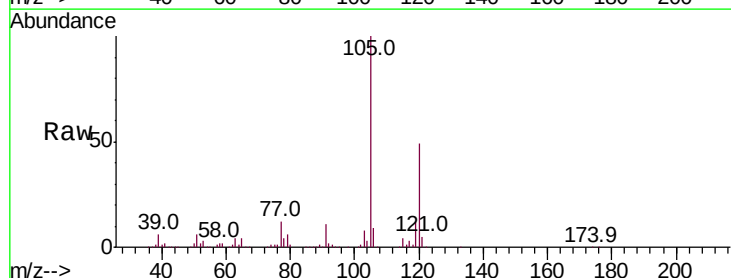
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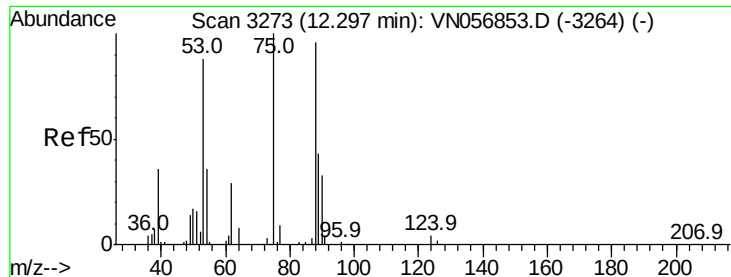
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.104 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion: 105 Resp: 311397
Ion Ratio Lower Upper
105 100
120 49.0 24.7 74.1





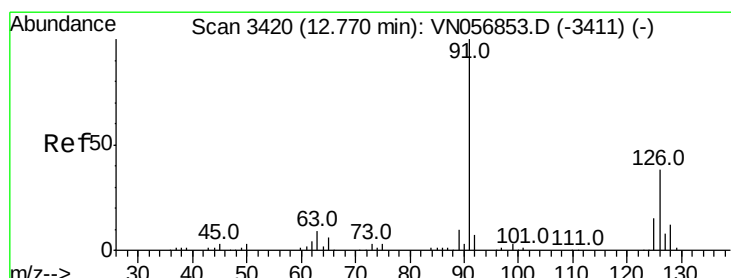
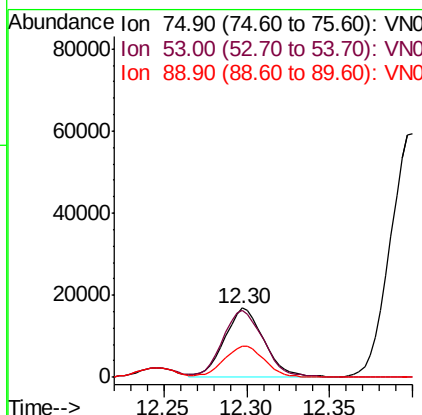
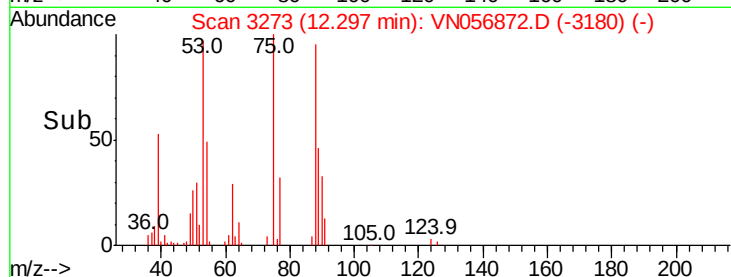
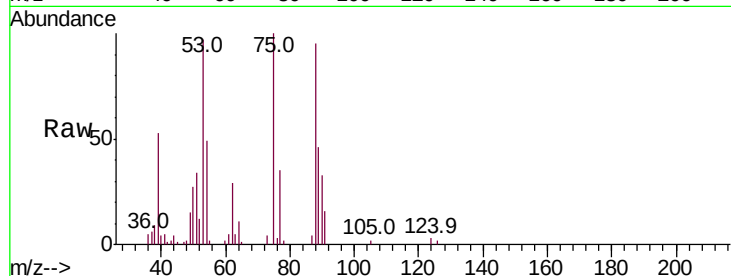
#81
trans-1,4-Dichloro-2-butene
Concen: 20.774 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	72.3	108.5
89	46.3	36.2	54.4

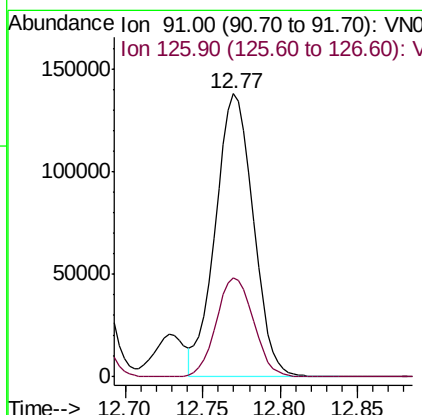
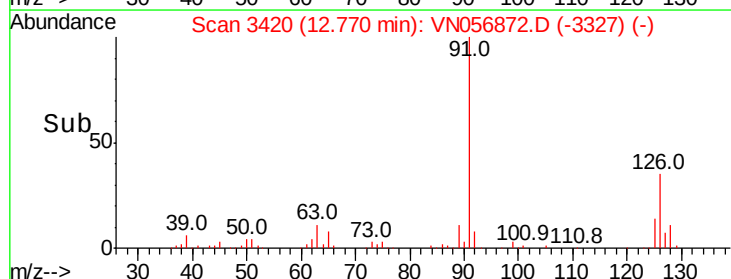
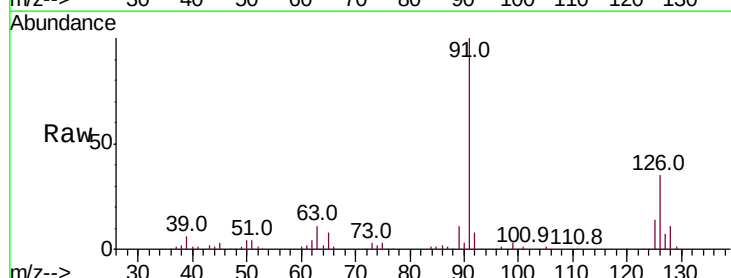
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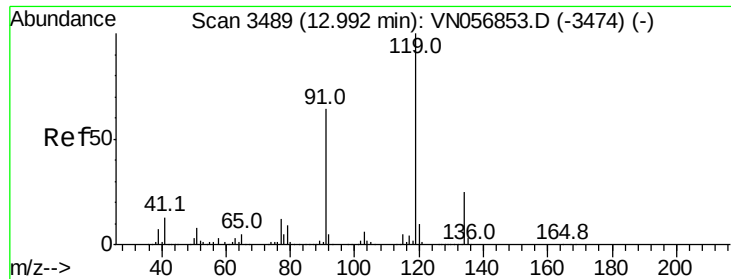
MMDadoda
7/24/2019 1:14:00 PM



#82
4-Chlorotoluene
Concen: 20.393 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	52.0





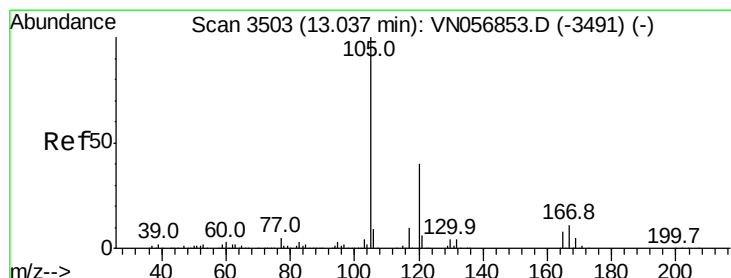
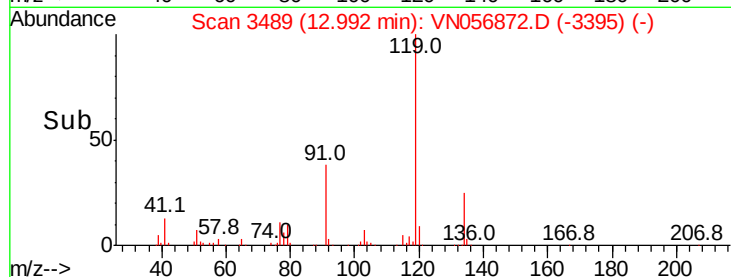
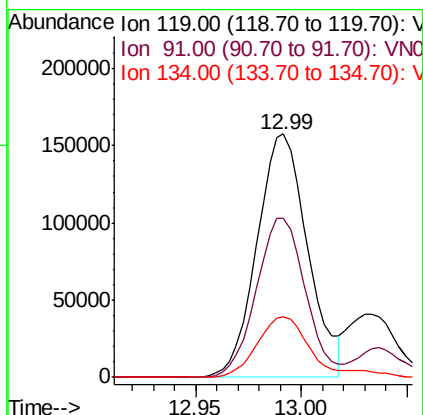
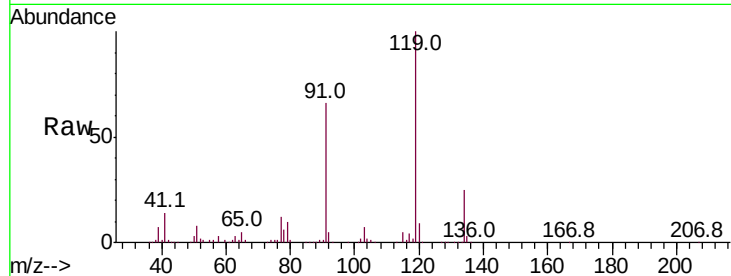
#83
 tert-Butylbenzene
 Concen: 20.579 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263279		
91	63.3		31.5	94.5
134	25.2		12.2	36.6

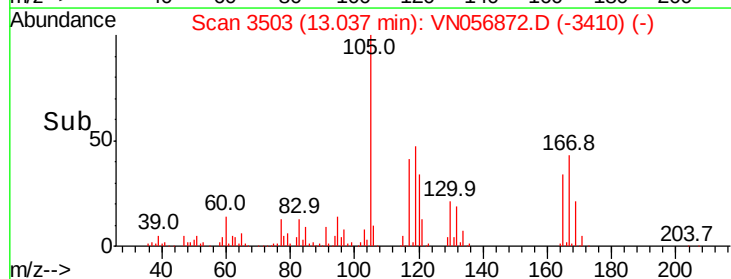
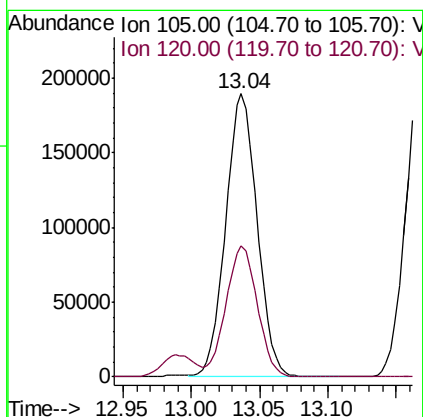
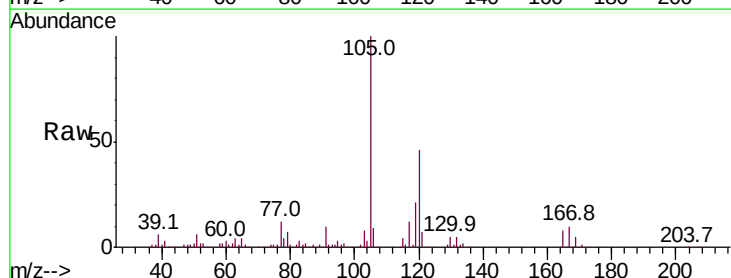
Manual Integrations
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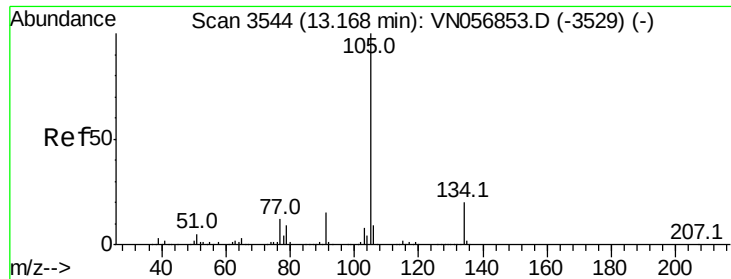
MMDadoda
 7/24/2019 1:14:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.884 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	303626		
120	46.3		23.2	69.5





#85

sec-Butylbenzene

Concen: 20.420 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

VN0723WBS01

Tot Ion:105 Resp: 348877

Ion Ratio Lower Upper

105 100

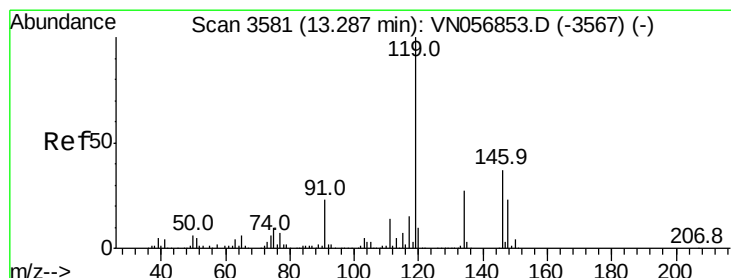
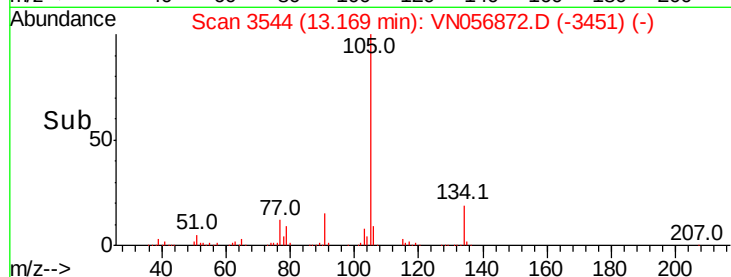
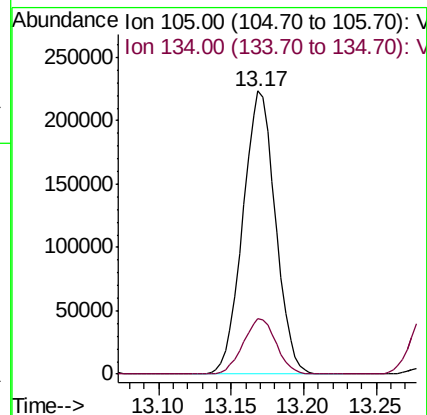
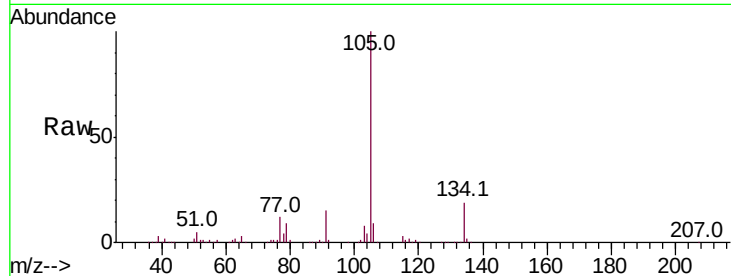
134 19.8 10.1 30.1

Manual Integrations

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7/24/2019 1:14:00 PM



#86

p-Isopropyltoluene

Concen: 20.080 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

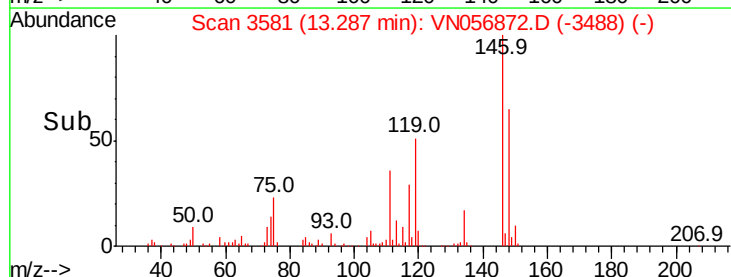
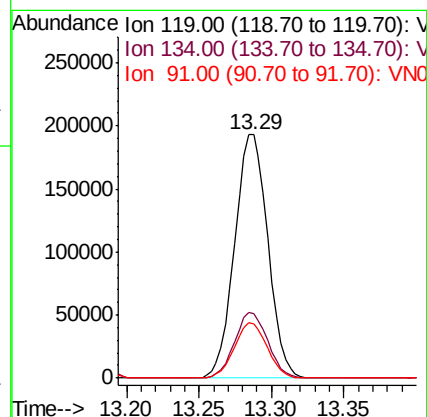
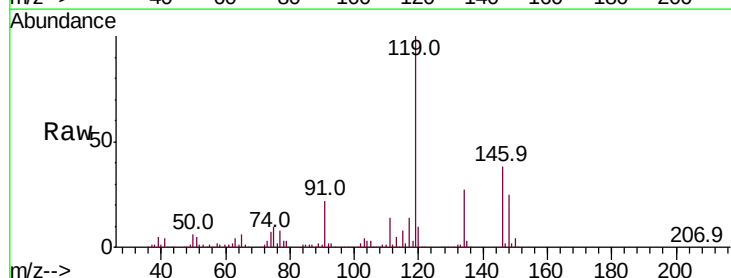
Tgt Ion:119 Resp: 305621

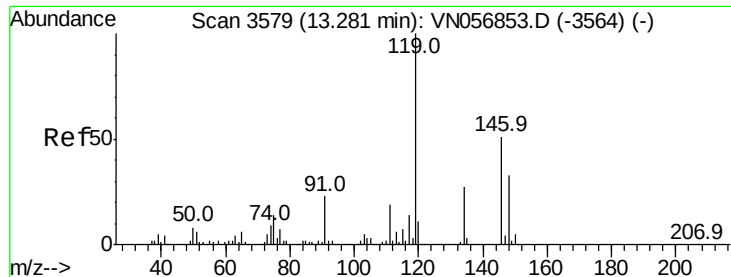
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.6 11.3 33.8





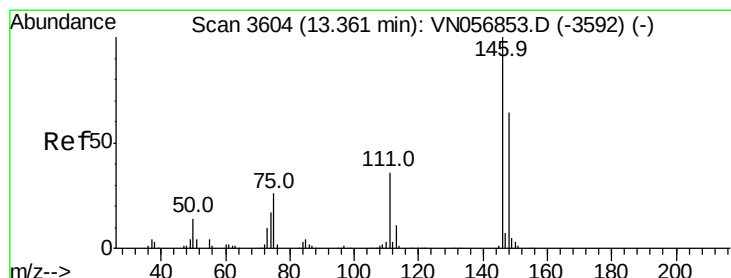
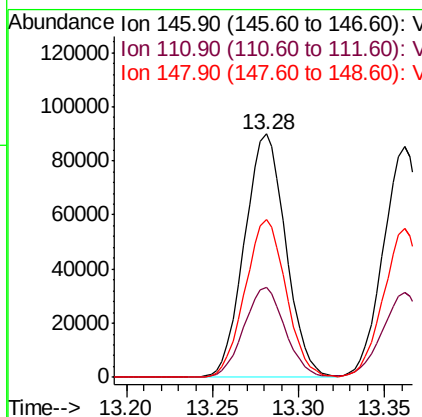
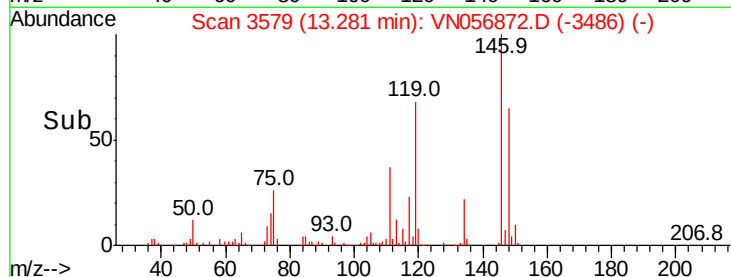
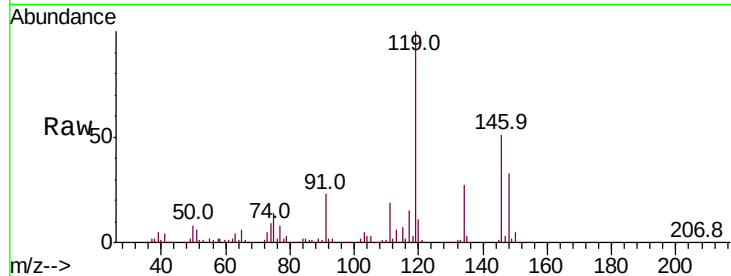
#87
 1,3-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	64.2	32.1	96.3

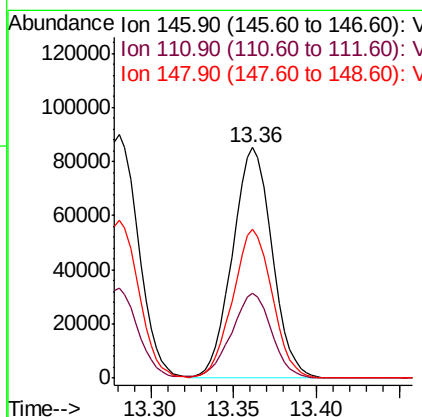
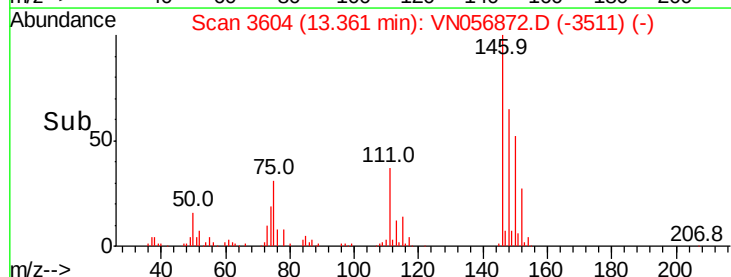
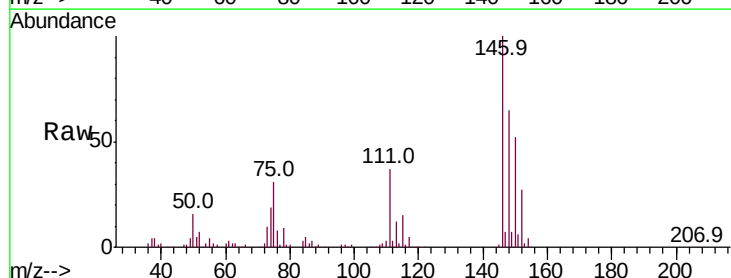
Manual Integrations
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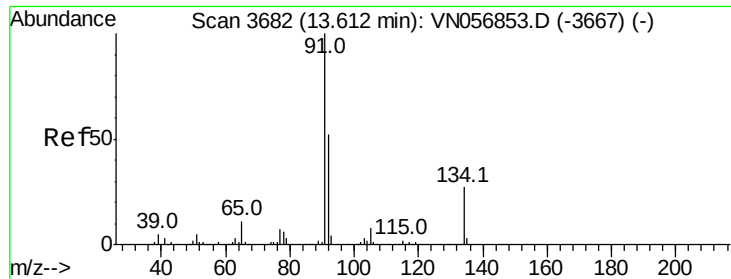
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#88
 1,4-Dichlorobenzene
 Concen: 19.890 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.9
148	64.4	32.1	96.3





#89

n-Butylbenzene

Concen: 20.598 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

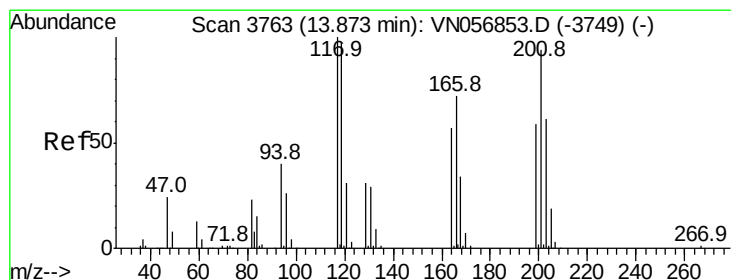
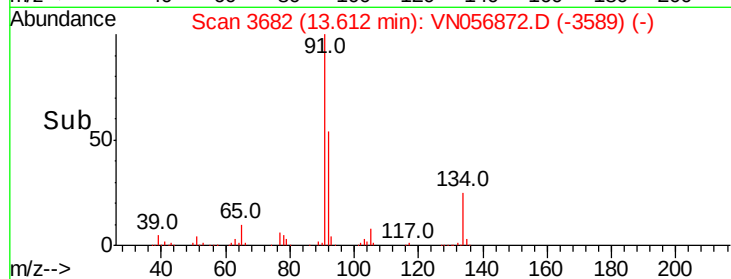
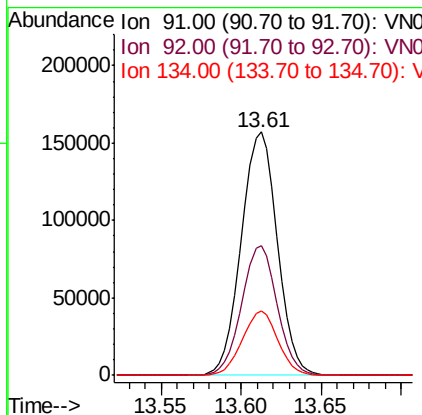
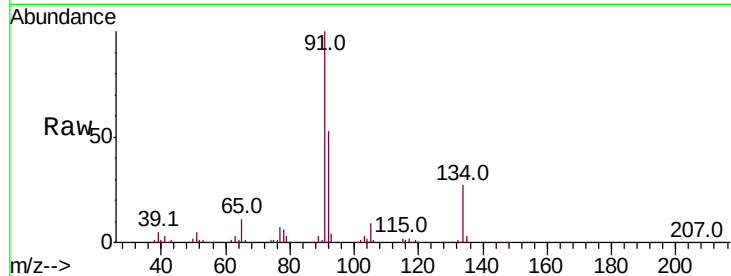
ClientSampleId :

VN0723WBS01

Tot Ion:	91	Resp:	241045
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.1	13.3	39.9

Manual Integrations
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7/24/2019 1:14:00 PM



#90

Hexachloroethane

Concen: 19.731 ug/l

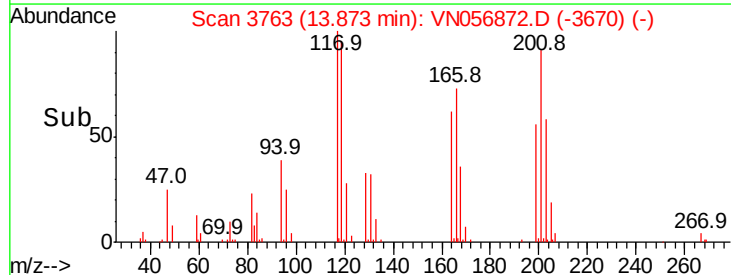
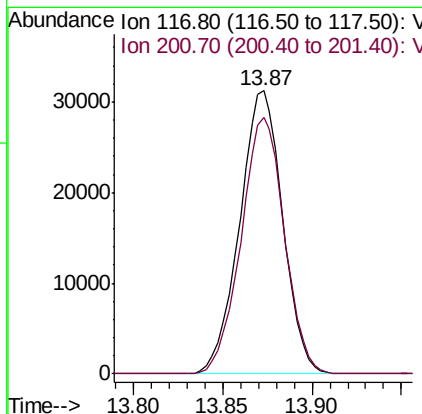
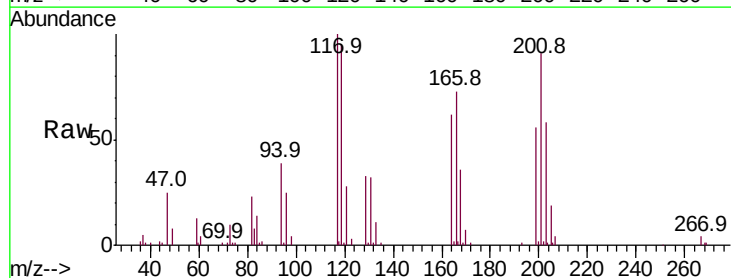
RT: 13.87 min Scan# 3763

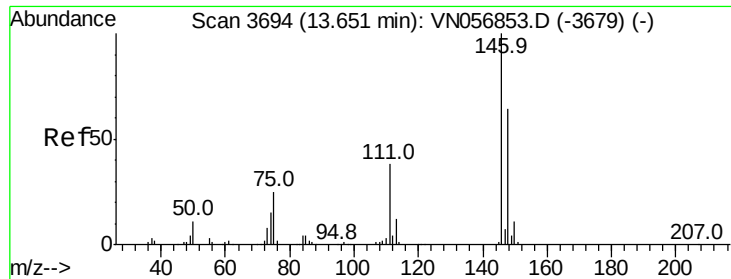
Delta R.T. 0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Tgt Ion:	117	Resp:	52430
Ion	Ratio	Lower	Upper
117	100		
201	91.1	47.1	141.3





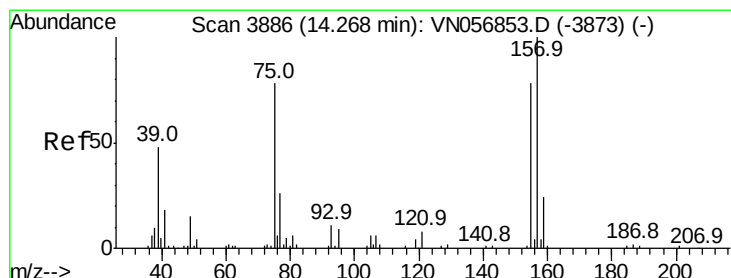
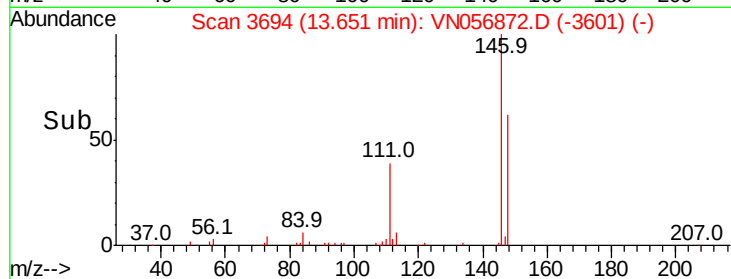
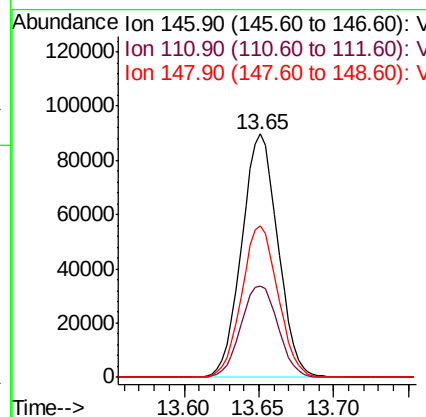
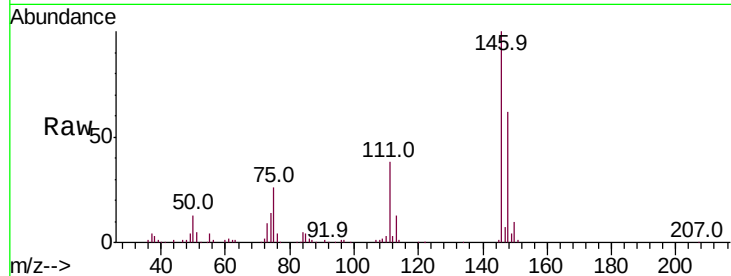
#91
 1,2-Dichlorobenzene
 Concen: 20.481 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0723WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	62.4	32.1	96.5

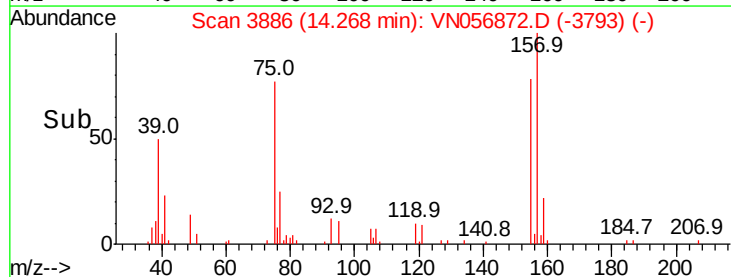
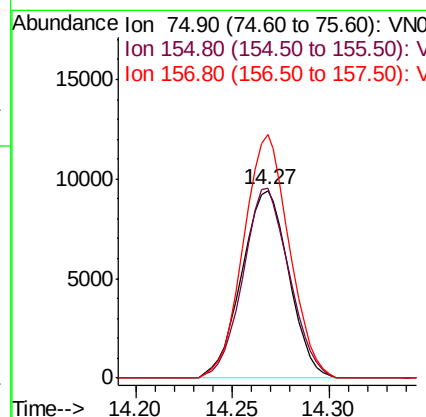
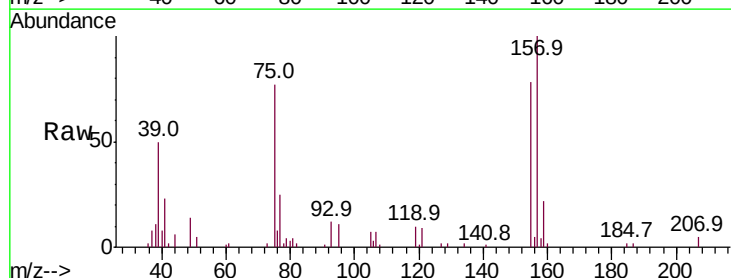
Manual Integrations
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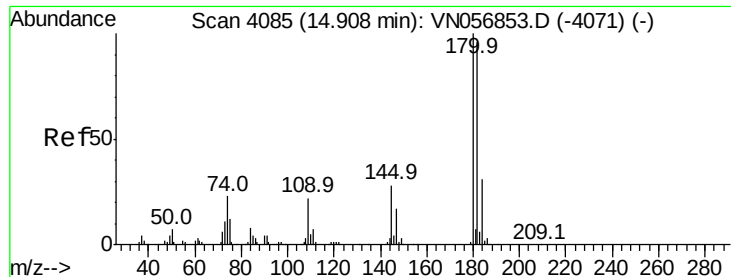
MMDadoda
 7/24/2019 1:14:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.890 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056872.D
 Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	49.9	149.6
157	125.9	64.8	194.4





#93

1,2,4-Trichlorobenzene

Concen: 18.055 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN056872.D

Acq: 23 Jul 2019 12:34

Instrument :

MSVOA_N

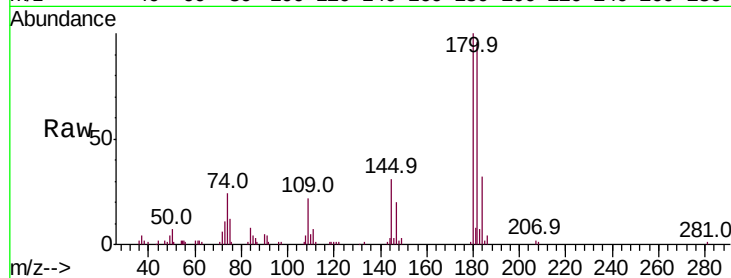
ClientSampleId :

VN0723WBS01

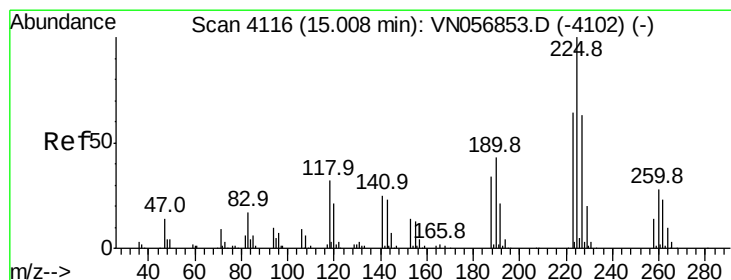
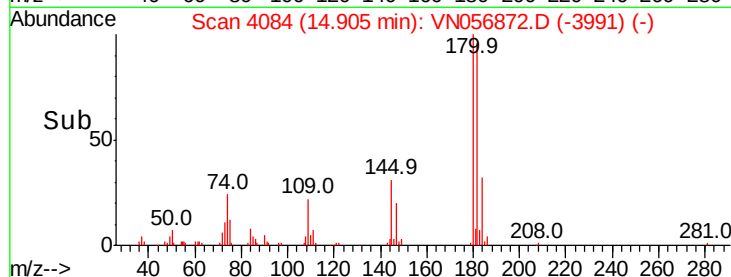
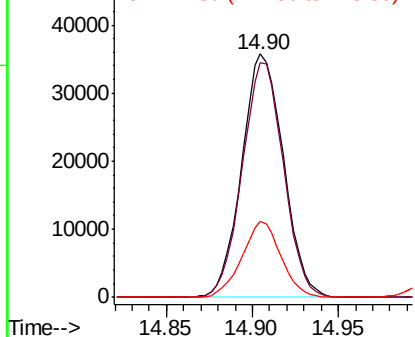
Tot Ion:	180	Resp:	60168
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	29.1	14.1	42.3

Manual Integrations
APPROVED

MMDadoda
7/24/2019 1:14:00 PM



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: 20.874 ug/l

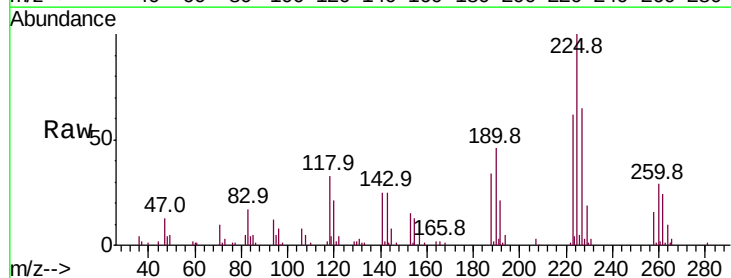
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

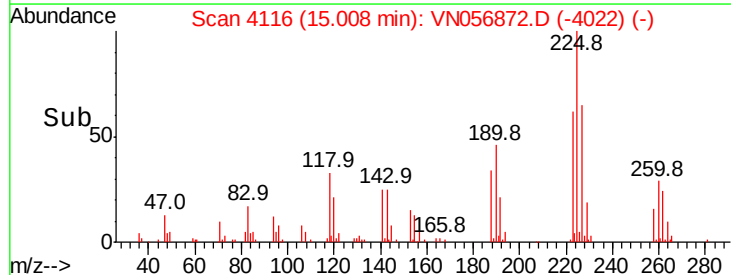
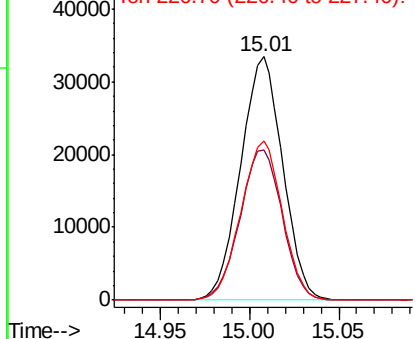
Lab File: VN056872.D

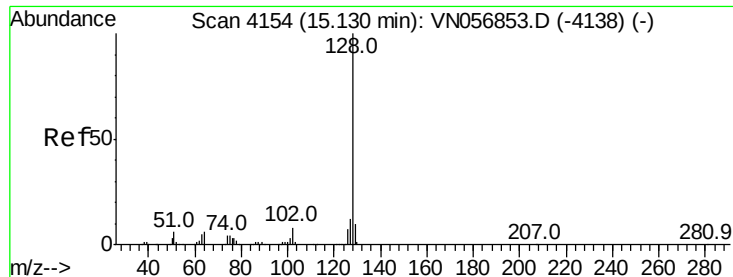
Acq: 23 Jul 2019 12:34

Tgt Ion:	225	Resp:	55074
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.9	95.5
227	64.3	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





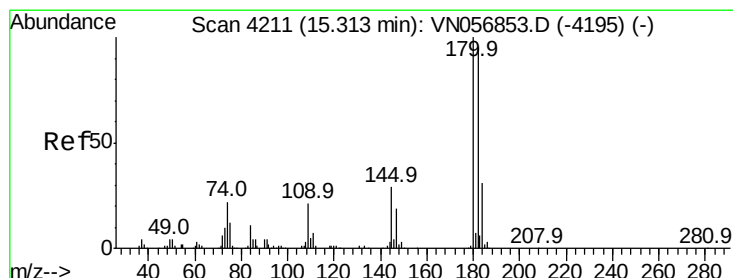
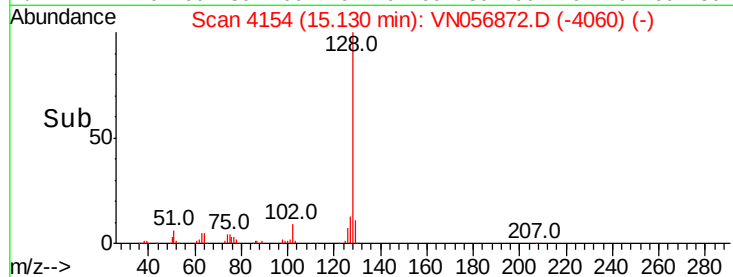
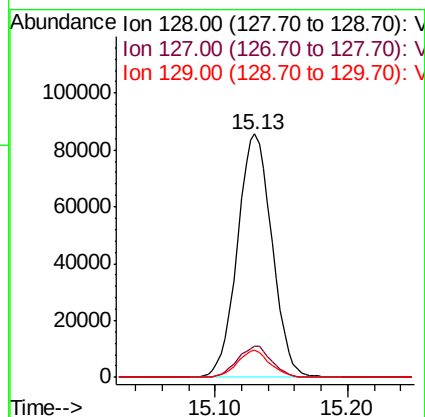
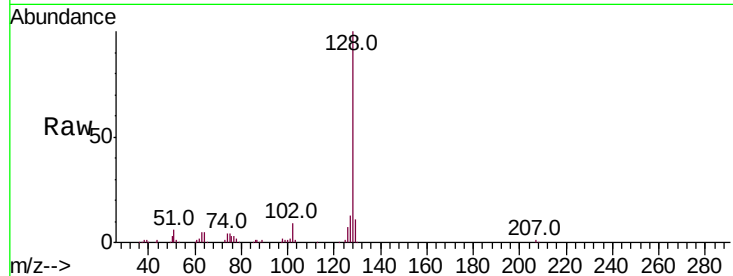
#95
Naphthalene
Concen: 17.704 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0723WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155006		
127	12.5		10.2	15.2
129	10.5		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/24/2019 1:14:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.541 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056872.D
Acq: 23 Jul 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68430		
182	96.0		48.1	144.3
145	29.2		14.7	44.1

