

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056860.D
 Acq On : 22 Jul 2019 17:46
 Operator : JC/SP
 Sample : VN0722WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:45 PM

Quant Time: Jul 23 02:32:31 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	340215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	455145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180339	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	192706	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	172417	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
50) Toluene-d8	10.09	98	664439	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.40	95	208366	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86370	20.503	ug/l	96
3) Chloromethane	2.06	50	99384	20.931	ug/l	99
4) Vinyl Chloride	2.18	62	93268	21.383	ug/l	99
5) Bromomethane	2.55	94	57609	21.713	ug/l	94
6) Chloroethane	2.70	64	50468	21.113	ug/l	98
7) Trichlorofluoromethane	3.01	101	111978	21.014	ug/l	100
8) Diethyl Ether	3.40	74	41241	20.770	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69995	21.239	ug/l	98
10) Methyl Iodide	3.94	142	90353	19.580	ug/l	99
11) Tert butyl alcohol	4.82	59	51442	99.790	ug/l	100
12) 1,1-Dichloroethene	3.73	96	69842	21.154	ug/l	97
13) Acrolein	3.60	56	38827	90.521	ug/l	98
14) Allyl chloride	4.31	41	112999	20.818	ug/l	99
15) Acrylonitrile	4.99	53	166679	107.453	ug/l	98
16) Acetone	3.82	43	134039	102.571	ug/l	97
17) Carbon Disulfide	4.04	76	179802	19.953	ug/l	99
18) Methyl Acetate	4.33	43	95058	21.132	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	208309	21.356	ug/l	100
20) Methylene Chloride	4.54	84	80460	20.591	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	72052	20.892	ug/l	98
22) Diisopropyl ether	5.96	45	237578	21.650	ug/l	99
23) Vinyl Acetate	5.90	43	840962	106.093	ug/l	100
24) 1,1-Dichloroethane	5.85	63	137955	21.699	ug/l	99
25) 2-Butanone	6.84	43	207678	108.119	ug/l	99
26) 2,2-Dichloropropane	6.82	77	94996	21.353	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	84214	21.300	ug/l	100
28) Bromochloromethane	7.19	49	64683	22.413	ug/l	99
29) Tetrahydrofuran	7.22	42	142238	107.703	ug/l	99
30) Chloroform	7.37	83	134408	21.089	ug/l	97
31) Cyclohexane	7.65	56	128473	20.828	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	109227	21.184	ug/l	98
36) 1,1-Dichloropropene	7.79	75	100328	21.048	ug/l	98
37) Ethyl Acetate	6.93	43	86940	22.618	ug/l	99
38) Carbon Tetrachloride	7.77	117	92660	20.421	ug/l	98

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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	121914	20.440	ug/l	99
40) Benzene	8.04	78	311710	21.053	ug/l	100
41) Methacrylonitrile	7.18	41	39924	20.919	ug/l	98
42) 1,2-Dichloroethane	8.12	62	100646	21.756	ug/l	100
43) Isopropyl Acetate	8.17	43	137679	20.835	ug/l	99
44) Trichloroethene	8.83	130	82638	20.839	ug/l	96
45) 1,2-Dichloropropane	9.12	63	83198	20.859	ug/l	97
46) Dibromomethane	9.21	93	51898	21.080	ug/l	99
47) Bromodichloromethane	9.40	83	96995	20.950	ug/l	98
48) Methyl methacrylate	9.20	41	69417	20.999	ug/l	99
49) 1,4-Dioxane	9.20	88	27910	430.436	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	427022	108.367	ug/l	100
52) Toluene	10.16	92	190083	21.335	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	98498	20.729	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	117484	20.972	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	74869	21.172	ug/l	99
56) Ethyl methacrylate	10.43	69	104985	21.386	ug/l	98
57) 1,3-Dichloropropane	10.71	76	125282	21.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	214243	96.277	ug/l	100
59) 2-Hexanone	10.75	43	292742	107.326	ug/l	98
60) Dibromochloromethane	10.90	129	73991	20.851	ug/l	100
61) 1,2-Dibromoethane	11.00	107	75637	21.536	ug/l	98
64) Tetrachloroethene	10.63	164	83527	21.392	ug/l	96
65) Chlorobenzene	11.43	112	197532	20.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74782	20.972	ug/l	100
67) Ethyl Benzene	11.51	91	347119	21.259	ug/l	99
68) m/p-Xylenes	11.62	106	259189	42.401	ug/l	99
69) o-Xylene	11.95	106	127459	21.359	ug/l	99
70) Styrene	11.96	104	206178	20.004	ug/l	99
71) Bromoform	12.12	173	50266	20.342	ug/l #	100
73) Isopropylbenzene	12.25	105	338915	22.722	ug/l	99
74) N-amyl acetate	12.07	43	110446	20.859	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	96681	22.732	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	84724m	22.669	ug/l	
77) Bromobenzene	12.52	156	85435	21.719	ug/l	98
78) n-propylbenzene	12.59	91	359626	21.695	ug/l	99
79) 2-Chlorotoluene	12.67	91	221650	22.582	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	280527	22.304	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	24993	21.418	ug/l	95
82) 4-Chlorotoluene	12.77	91	206448	20.934	ug/l	99
83) tert-Butylbenzene	12.99	119	243468	22.419	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	276770	22.153	ug/l	99
85) sec-Butylbenzene	13.17	105	314518	21.422	ug/l	100
86) p-Isopropyltoluene	13.29	119	279968	21.405	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	131977	20.930	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	128904	21.043	ug/l	99
89) n-Butylbenzene	13.61	91	214418	21.322	ug/l	99
90) Hexachloroethane	13.87	117	47232	20.684	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	133834	21.117	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14004	20.295	ug/l	95

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ClientSampleId :
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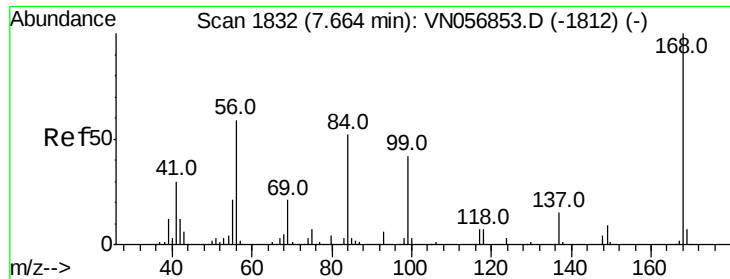
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	53279	18.478	ug/l	99
94) Hexachlorobutadiene	15.01	225	49247	21.831	ug/l	99
95) Naphthalene	15.13	128	135357	17.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60369	18.969	ug/l	98

(#) = 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: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion:168 Resp: 340215

Ion Ratio Lower Upper

168 100

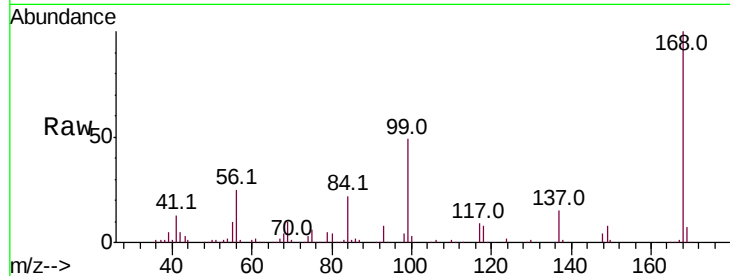
99 49.2 40.9 61.3

Manual Integrations

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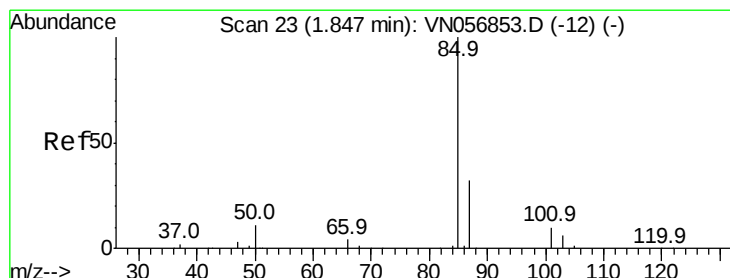
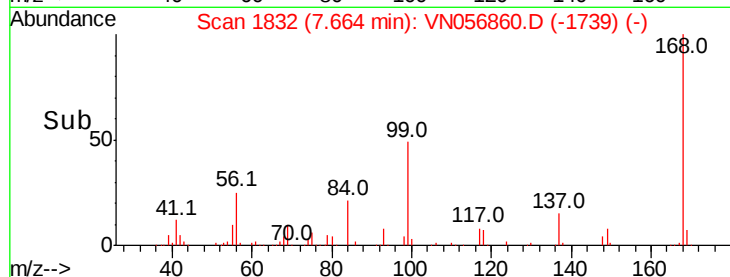
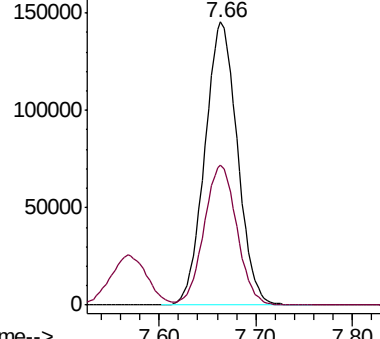
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.503 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056860.D

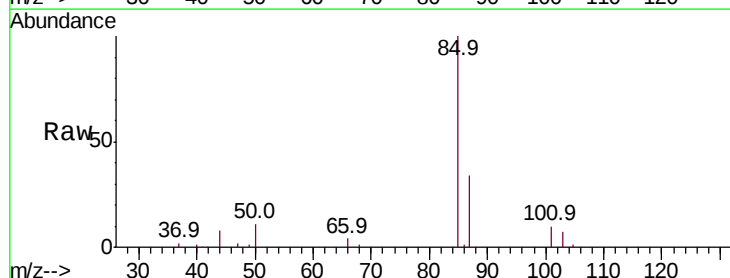
Acq: 22 Jul 2019 17:46

Tgt Ion: 85 Resp: 86370

Ion Ratio Lower Upper

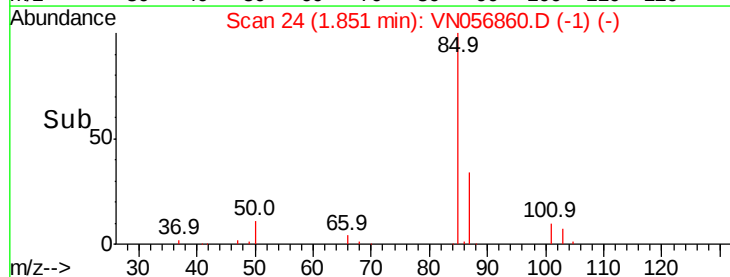
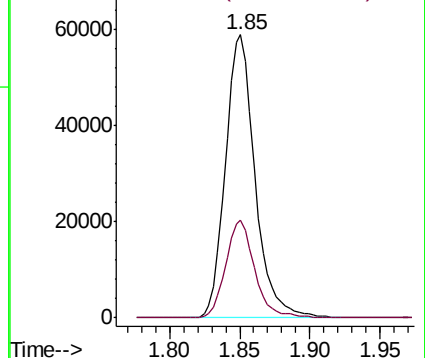
85 100

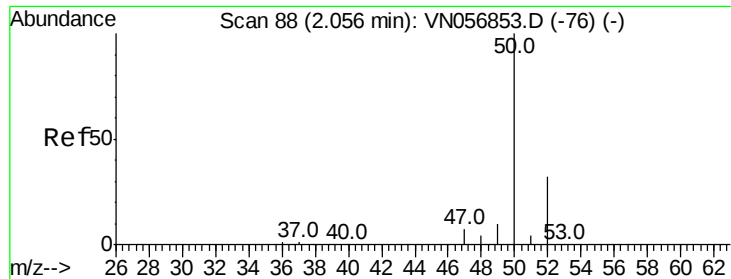
87 34.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.931 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 50 Resp: 99384

Ion Ratio Lower Upper

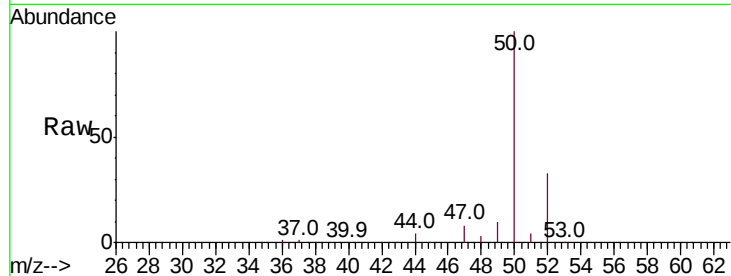
50 100

52 33.2 25.9 38.9

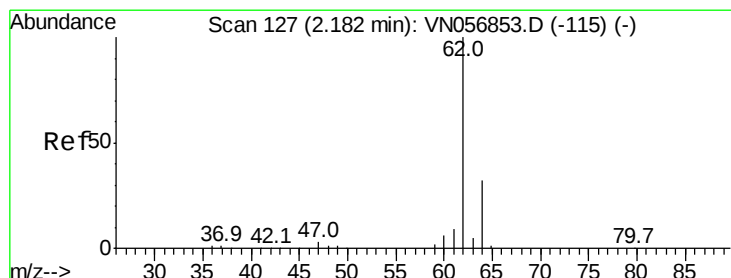
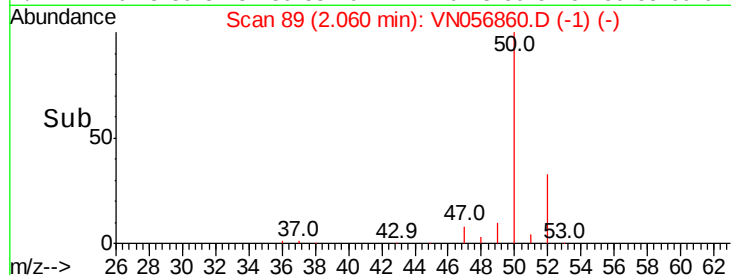
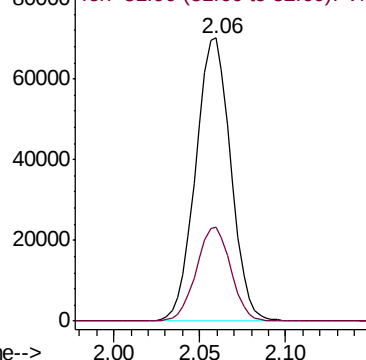
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 21.383 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056860.D

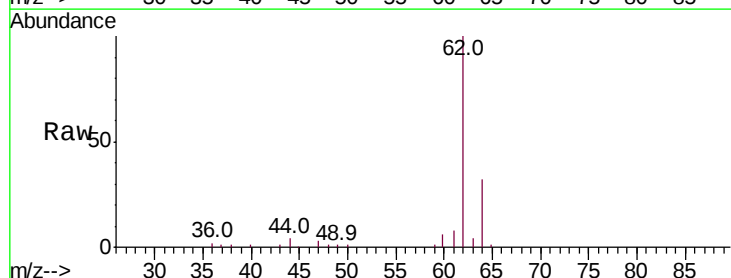
Acq: 22 Jul 2019 17:46

Tgt Ion: 62 Resp: 93268

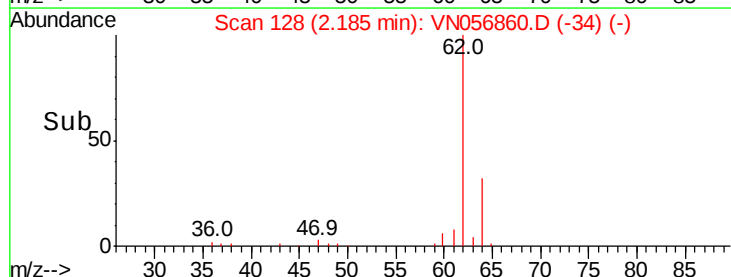
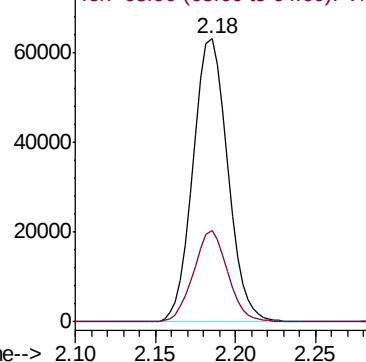
Ion Ratio Lower Upper

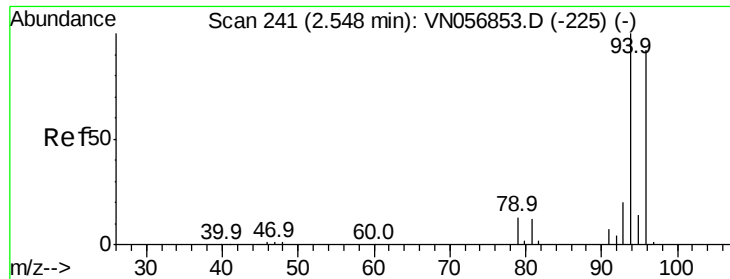
62 100

64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.713 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 94 Resp: 57609

Ion Ratio Lower Upper

94 100

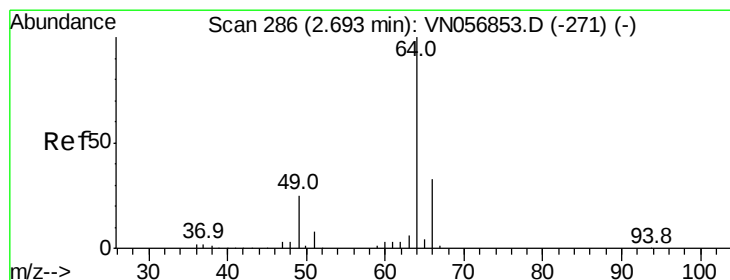
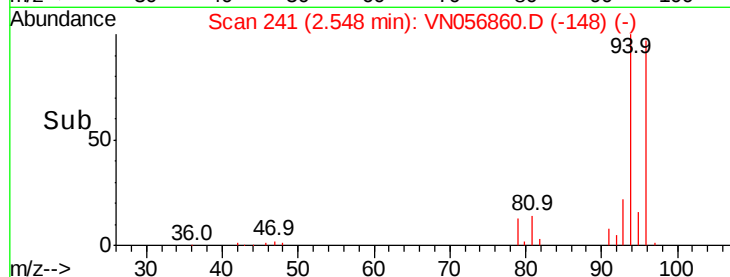
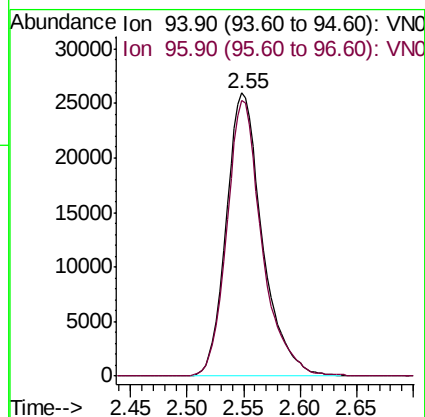
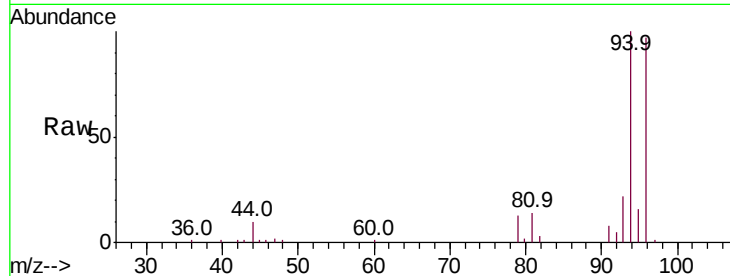
96 97.3 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 21.113 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056860.D

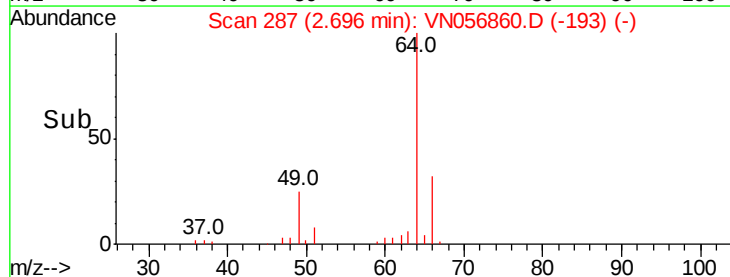
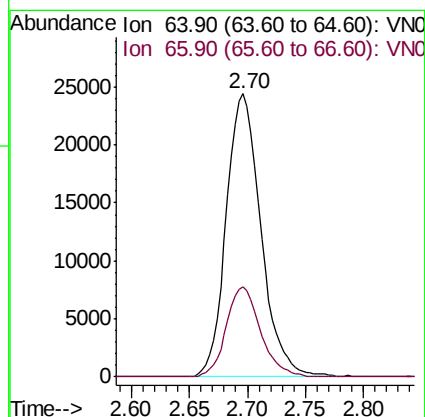
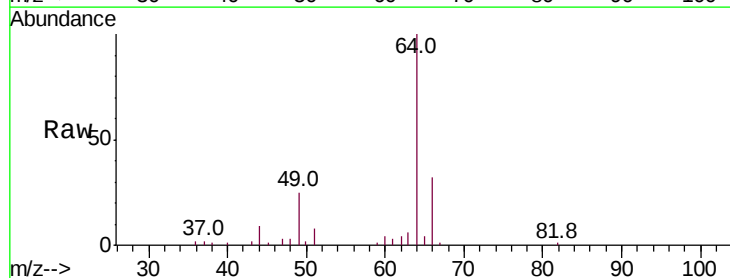
Acq: 22 Jul 2019 17:46

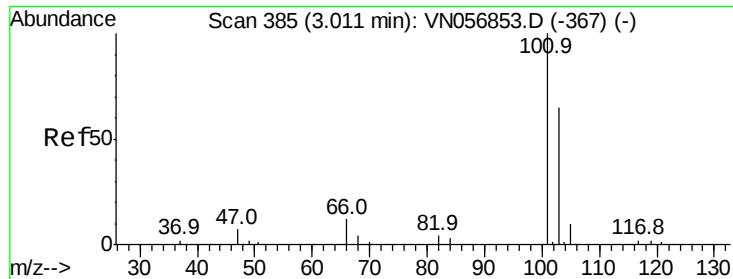
Tgt Ion: 64 Resp: 50468

Ion Ratio Lower Upper

64 100

66 31.7 26.4 39.6





#7

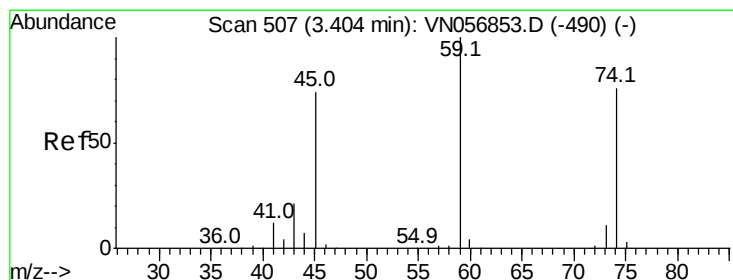
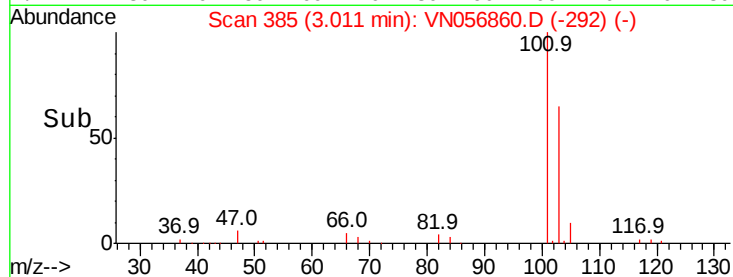
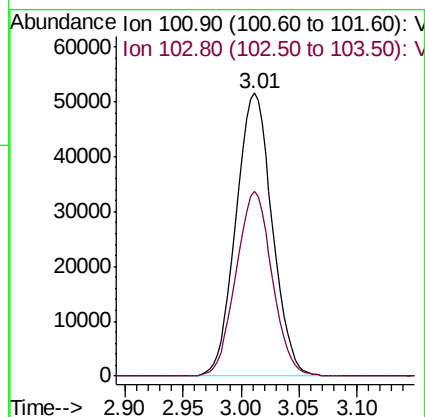
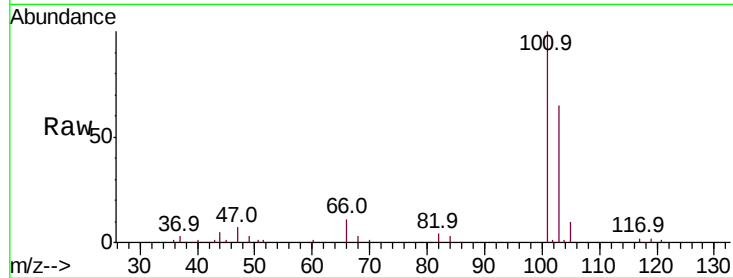
Trichlorofluoromethane
Concen: 21.014 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion:101 Resp: 111978
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5

Manual Integrations
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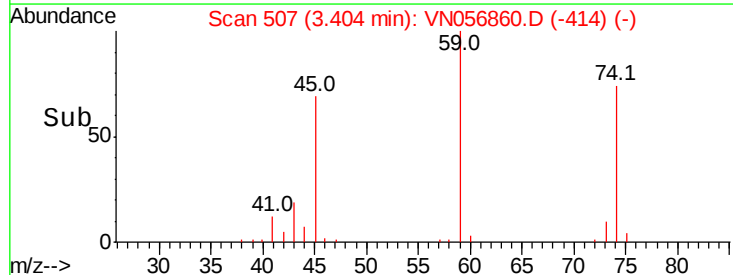
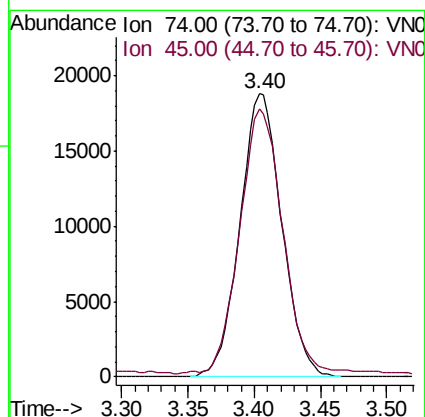
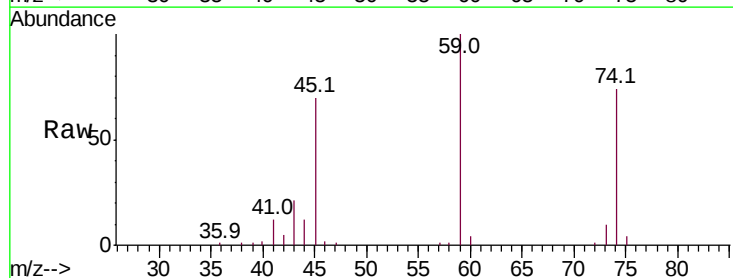
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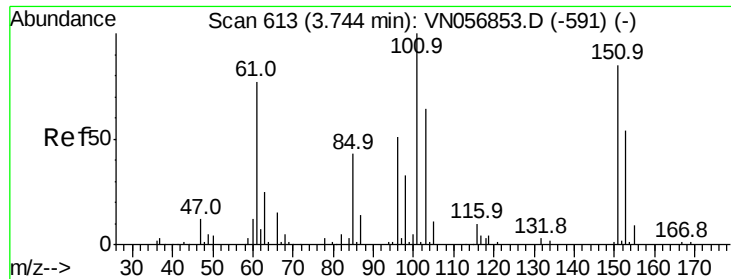


#8

Diethyl Ether
Concen: 20.770 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 74 Resp: 41241
Ion Ratio Lower Upper
74 100
45 94.2 49.2 147.6





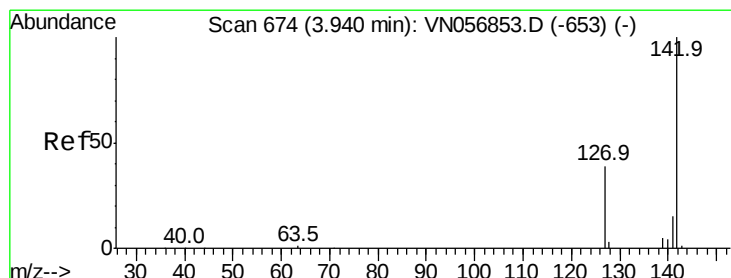
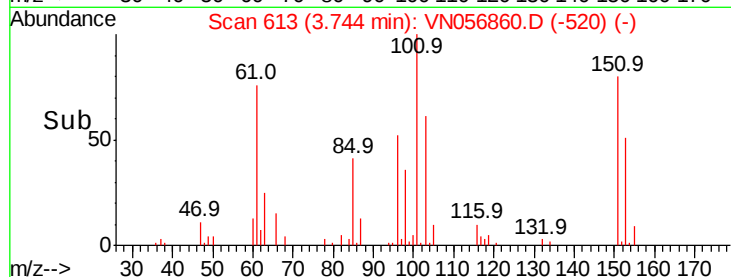
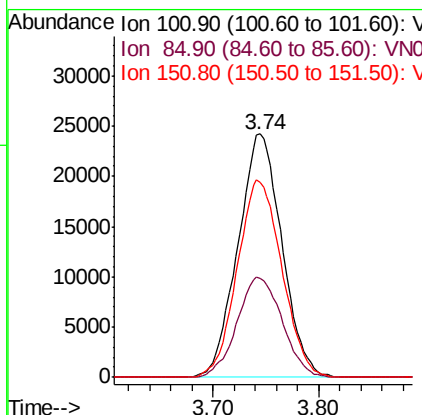
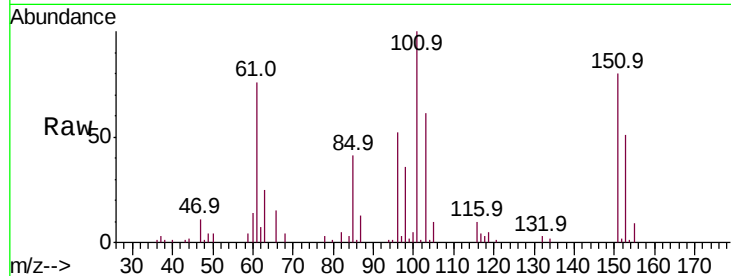
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.239 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.2	33.7	50.5
151	82.3	68.1	102.1

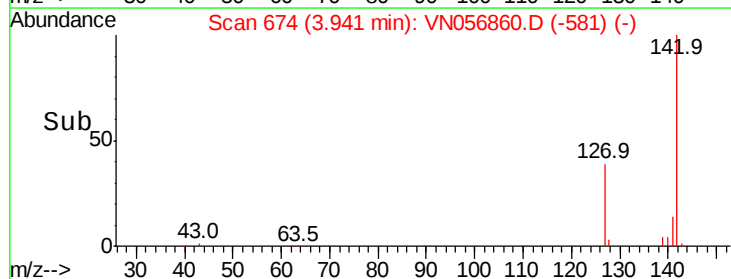
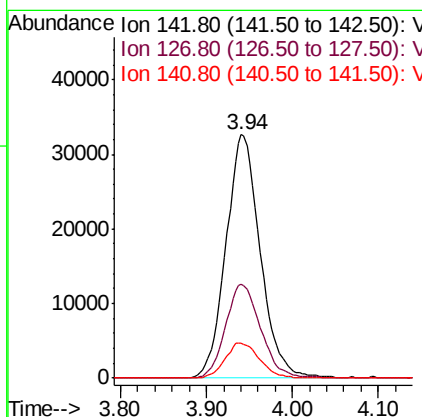
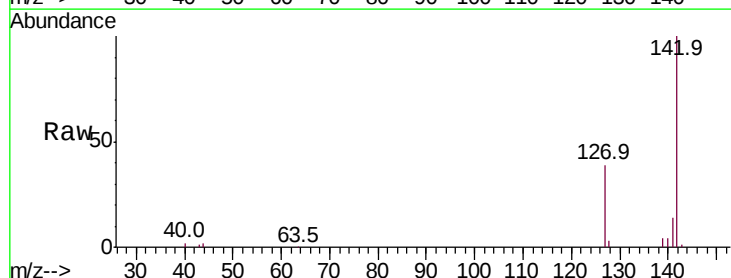
Manual Integrations
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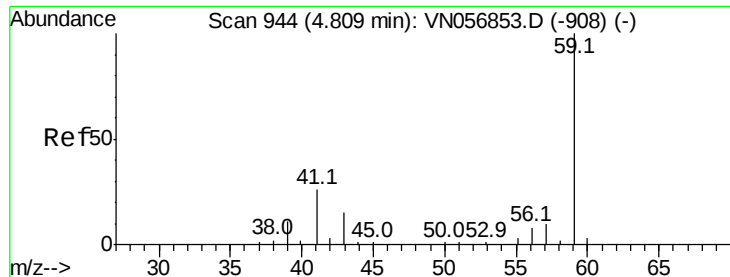
MMDadoda
 7/25/2019 3:01:45 PM



#10
 Methyl Iodide
 Concen: 19.580 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.5	31.2	46.8
141	14.5	11.4	17.2





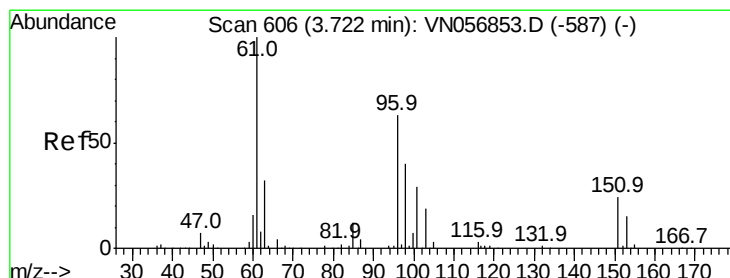
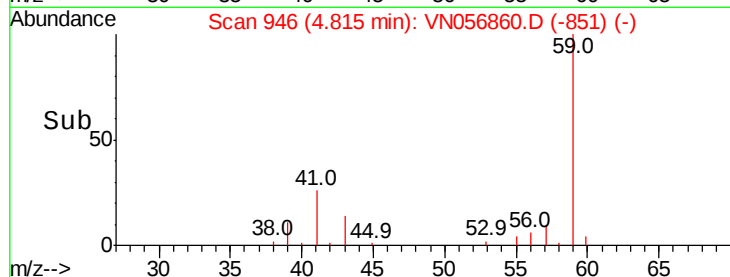
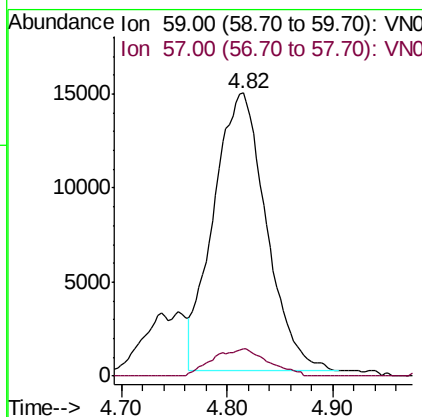
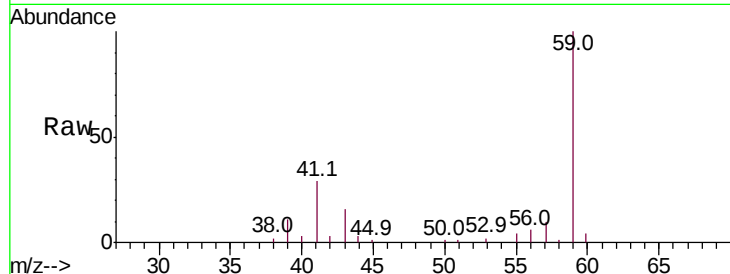
#11
Tert butyl alcohol
Concen: 99.790 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion: 59 Resp: 51442
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4

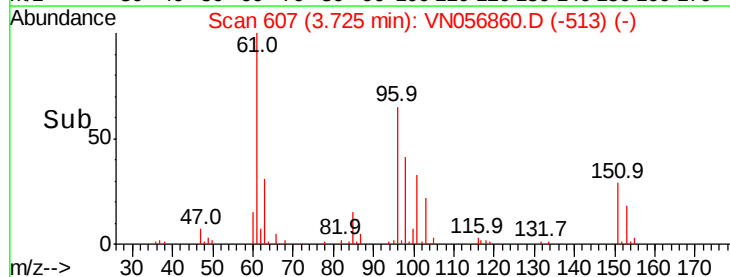
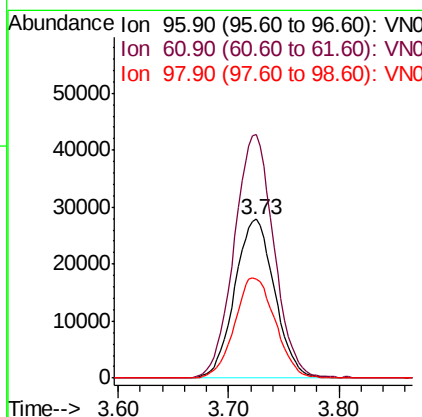
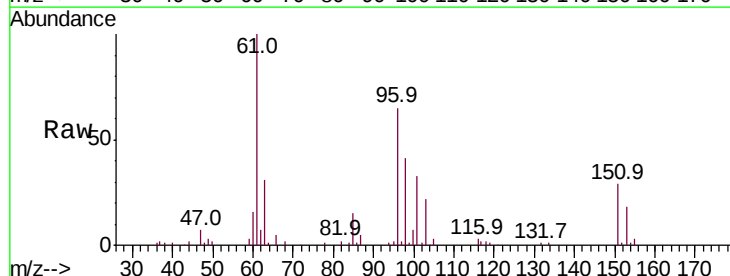
Manual Integrations
APPROVED

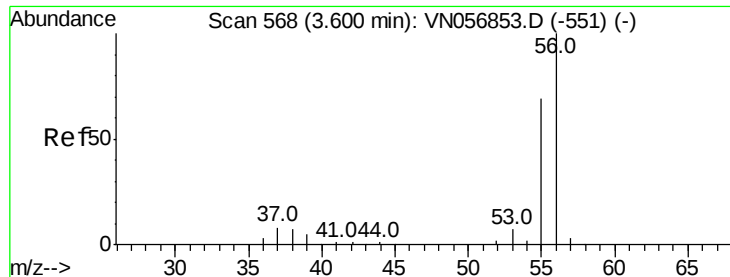
MMDadoda
7/25/2019 3:01:45 PM



#12
1,1-Dichloroethene
Concen: 21.154 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 96 Resp: 69842
Ion Ratio Lower Upper
96 100
61 153.6 126.3 189.5
98 62.5 51.0 76.4





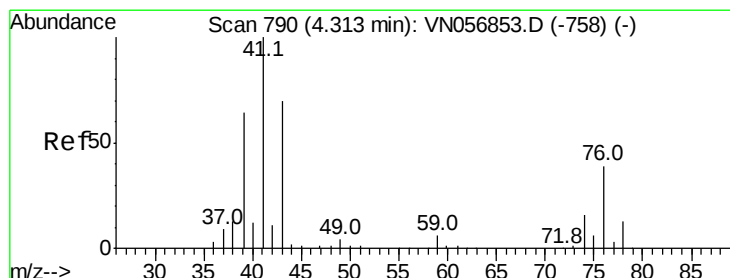
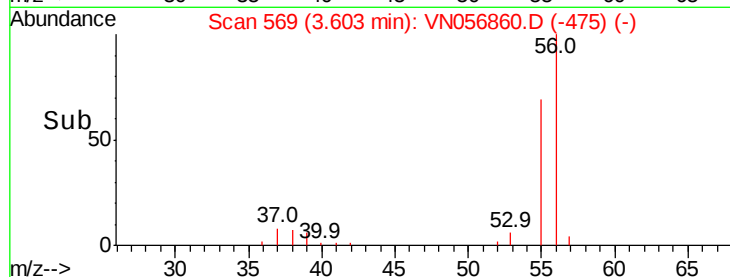
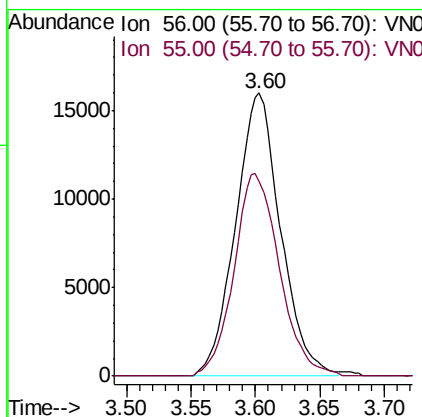
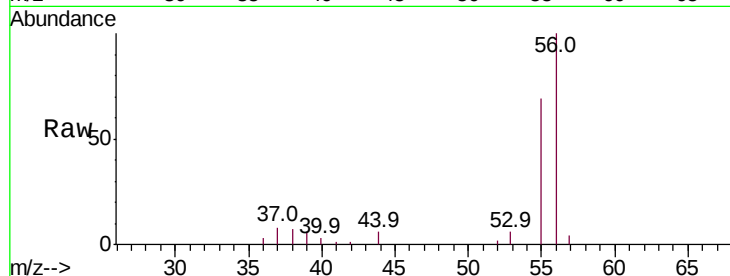
#13
Acrolein
Concen: 90.521 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion: 56 Resp: 38827
Ion Ratio Lower Upper
56 100
55 72.2 56.2 84.4

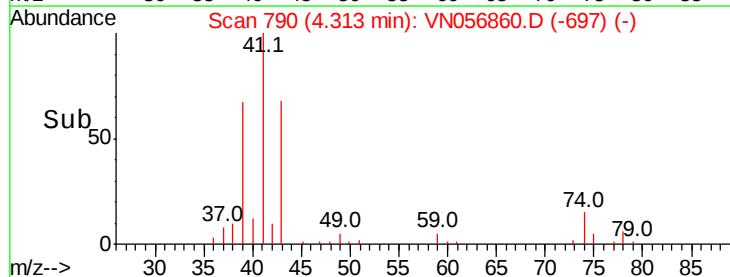
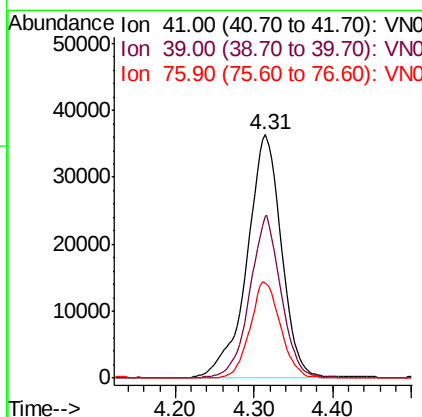
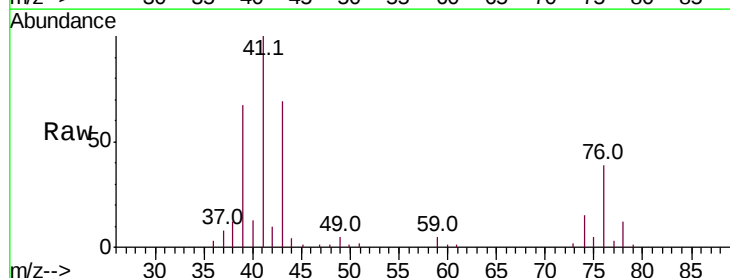
Manual Integrations
APPROVED

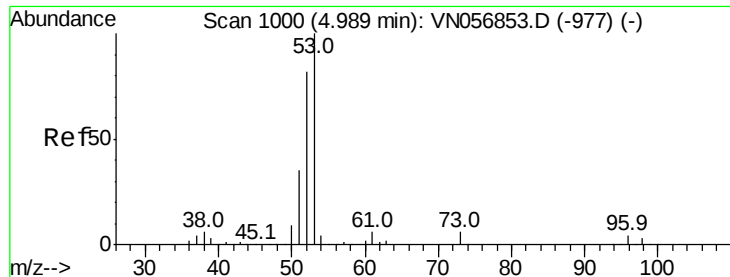
MMDadoda
7/25/2019 3:01:45 PM



#14
Allyl chloride
Concen: 20.818 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 41 Resp: 112999
Ion Ratio Lower Upper
41 100
39 60.7 47.8 71.6
76 34.9 27.9 41.9





#15

Acrylonitrile

Concen: 107.453 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

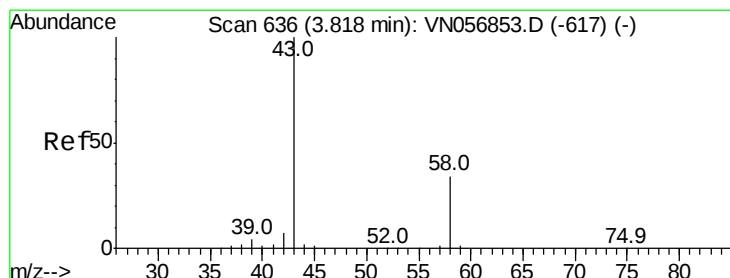
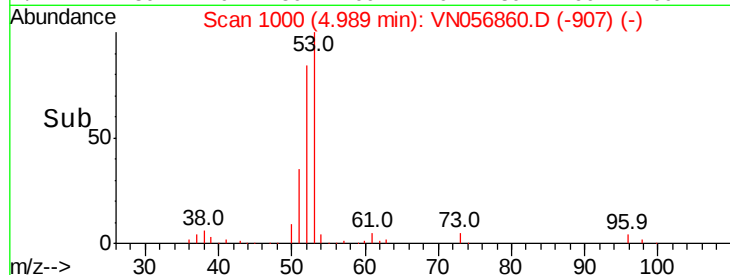
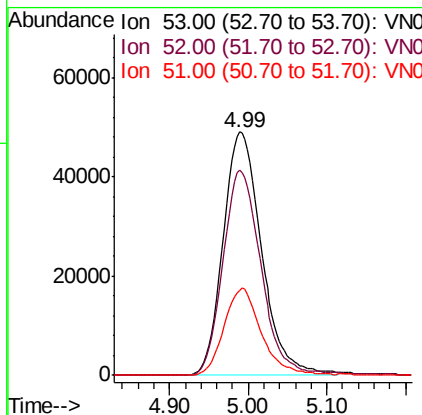
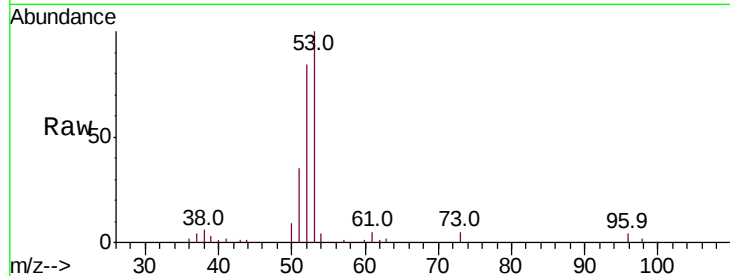
ClientSampleId :

VN0722WBSD01

Tot Ion:	53	Resp:	166679
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	34.8	28.2	42.2

Manual Integrations
APPROVED

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7/25/2019 3:01:45 PM



#16

Acetone

Concen: 102.571 ug/l

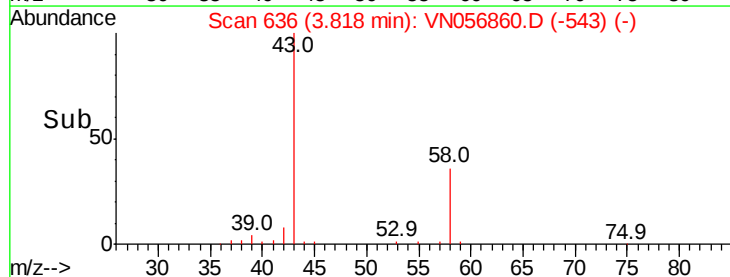
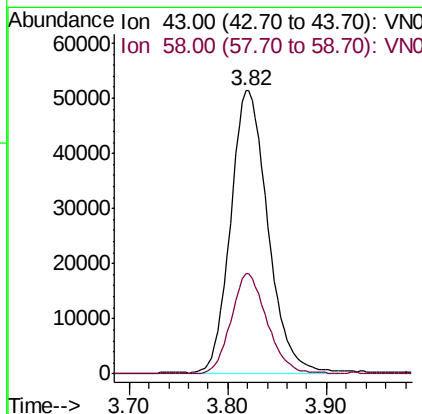
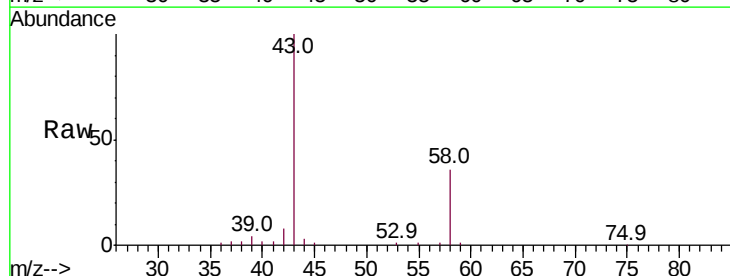
RT: 3.82 min Scan# 636

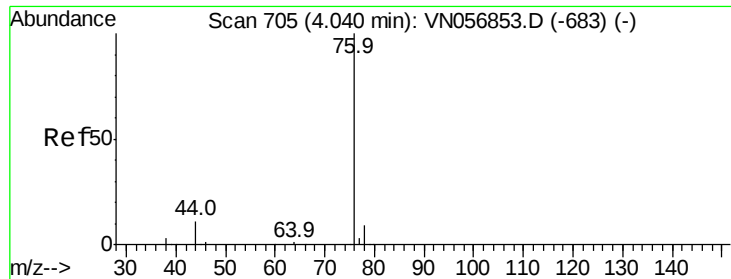
Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	43	Resp:	134039
Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.3	40.9





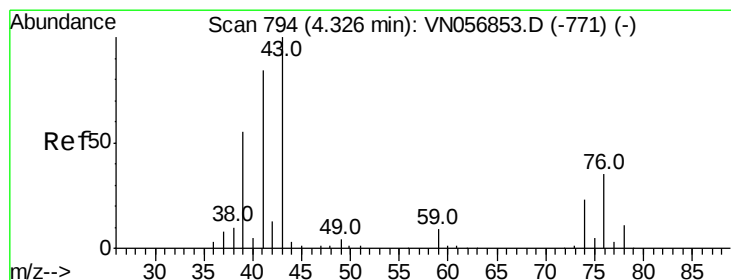
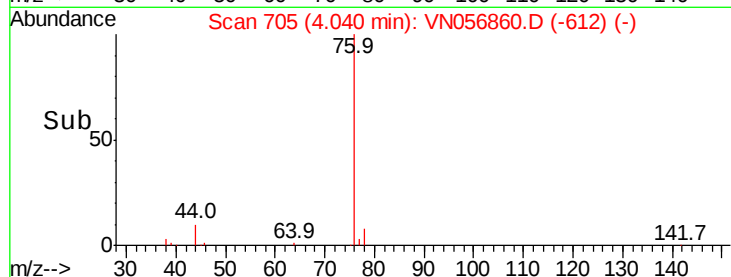
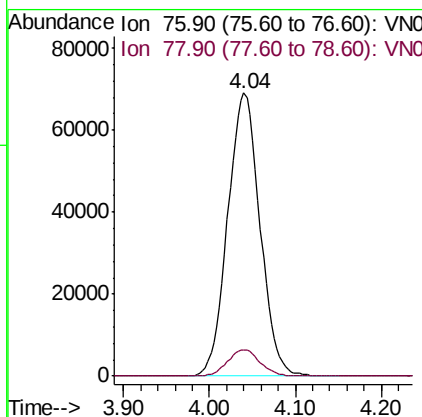
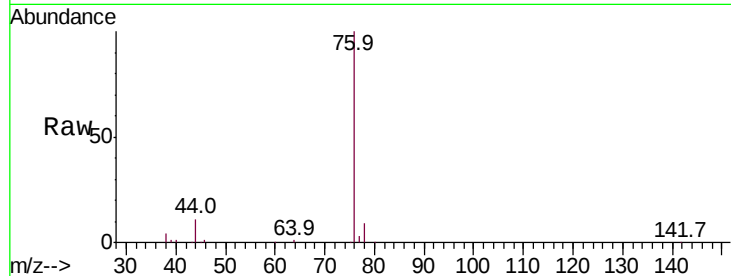
#17
Carbon Disulfide
Concen: 19.953 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

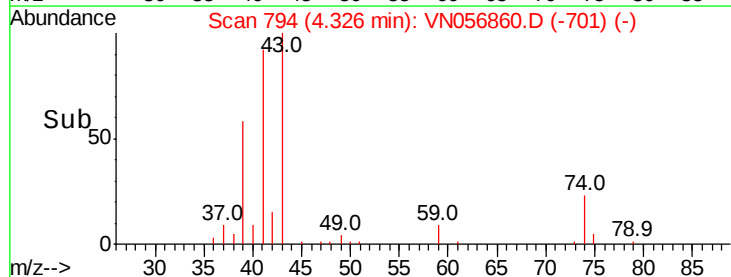
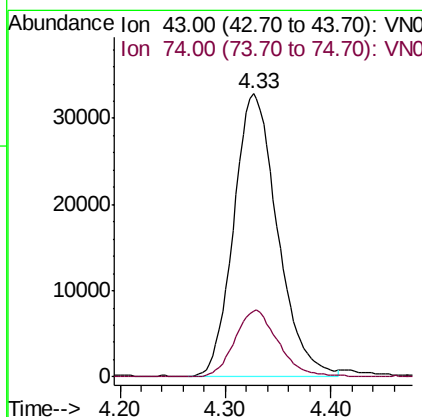
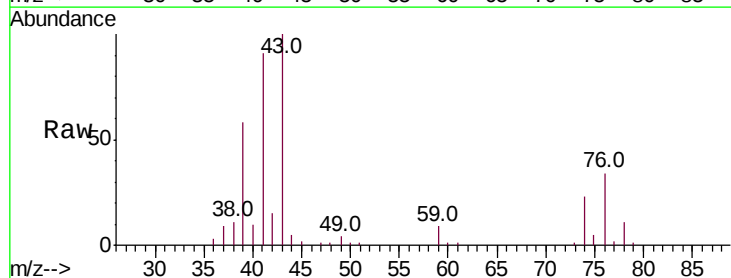
Manual Integrations
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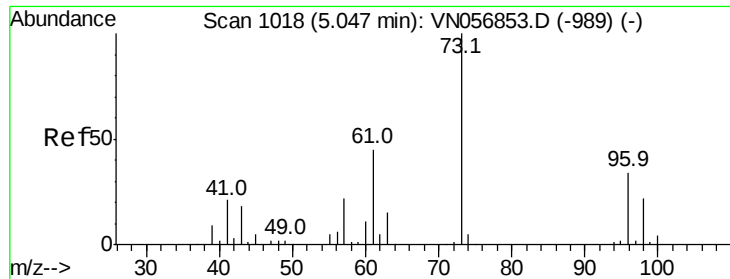
MMDadoda
7/25/2019 3:01:45 PM



#18
Methyl Acetate
Concen: 21.132 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.0	28.4





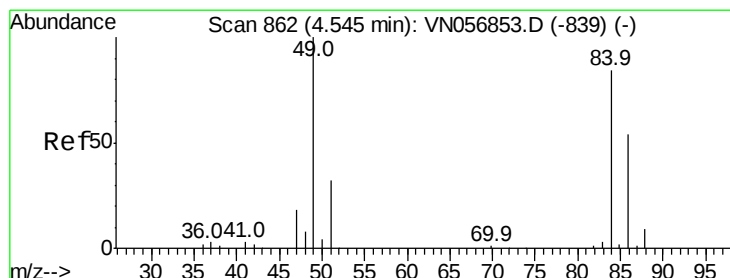
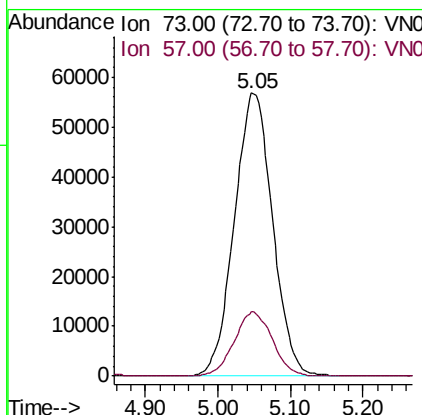
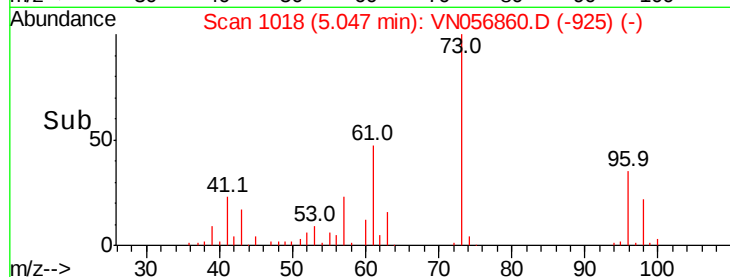
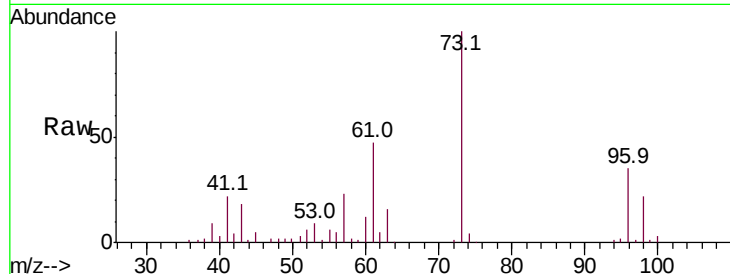
#19
Methvl tert-butvl Ether
Concen: 21.356 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion: 73 Resp: 208309
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

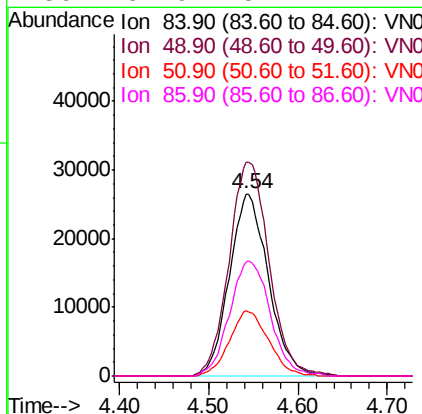
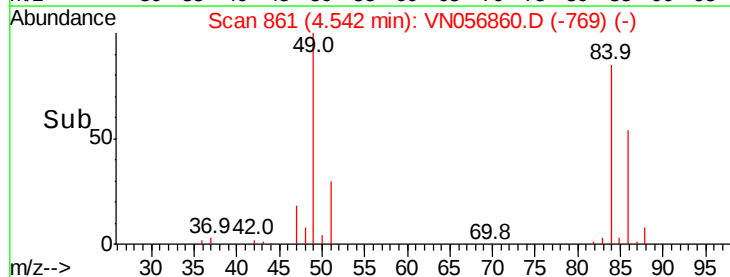
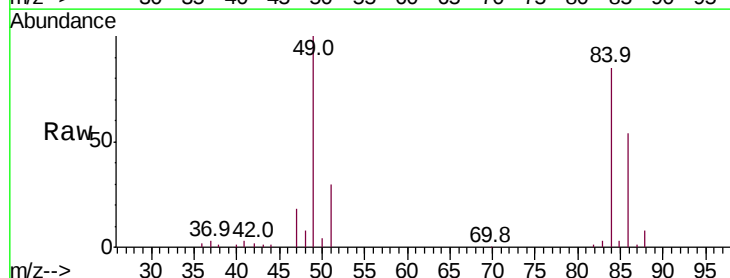
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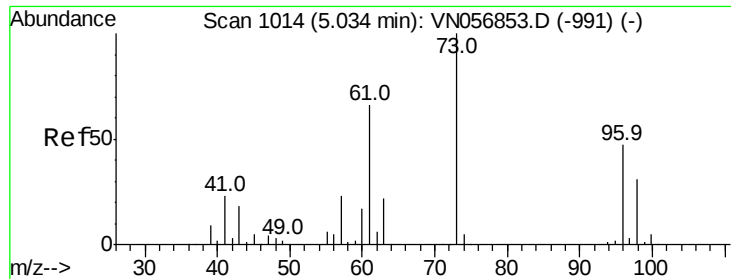
MMDadoda
7/25/2019 3:01:45 PM



#20
Methylene Chloride
Concen: 20.591 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 84 Resp: 80460
Ion Ratio Lower Upper
84 100
49 117.0 94.9 142.3
51 35.7 29.9 44.9
86 62.9 51.4 77.2





#21

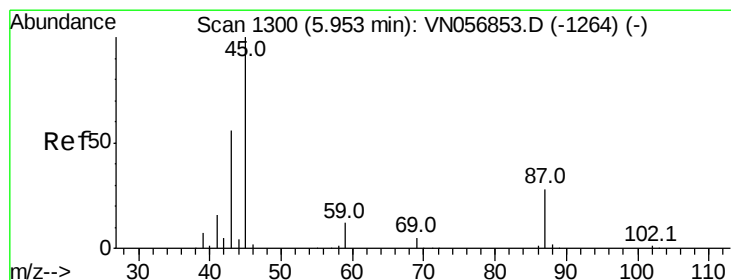
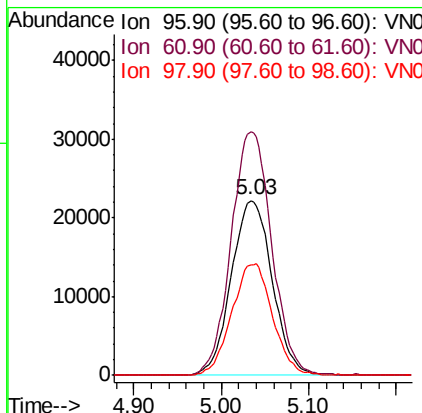
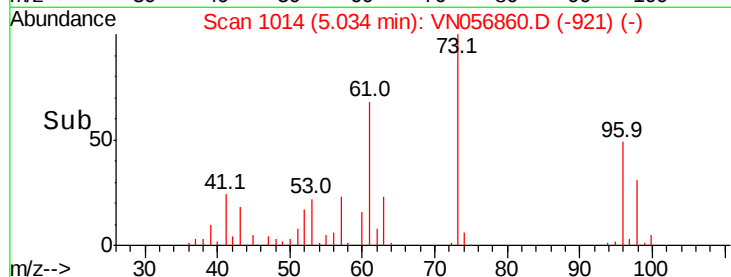
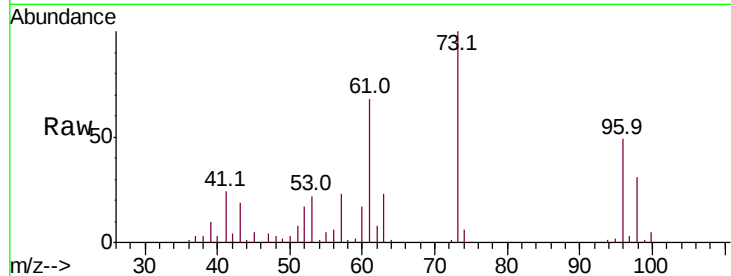
trans-1,2-Dichloroethene
Concen: 20.892 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	112.8	169.2
98	63.2	53.3	79.9

Manual Integrations
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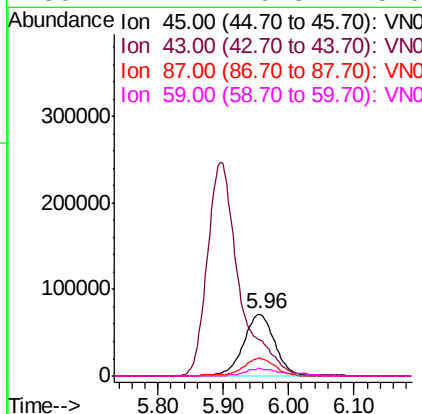
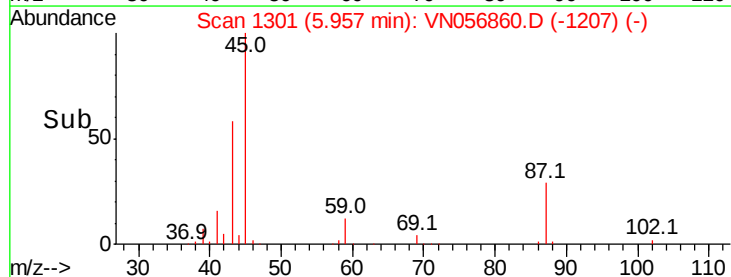
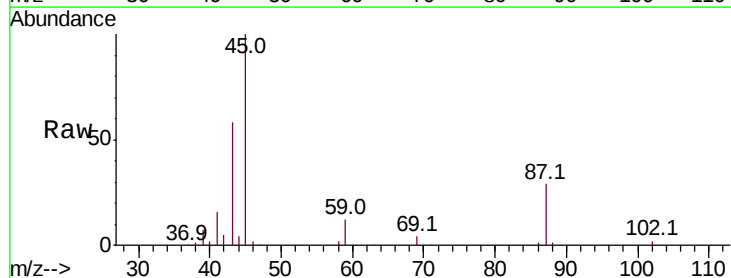
MMDadoda
7/25/2019 3:01:45 PM

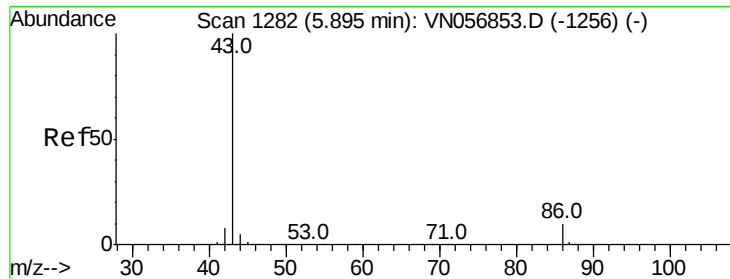


#22

Diisopropyl ether
Concen: 21.650 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.5	68.3
87	28.5	22.7	34.1
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 106.093 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 43 Resp: 840962

Ion Ratio Lower Upper

43 100

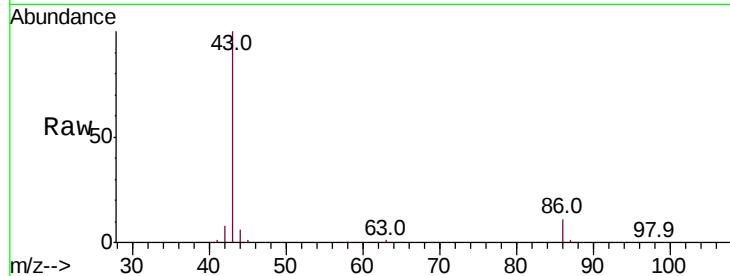
86 10.7 8.4 12.6

Manual Integrations

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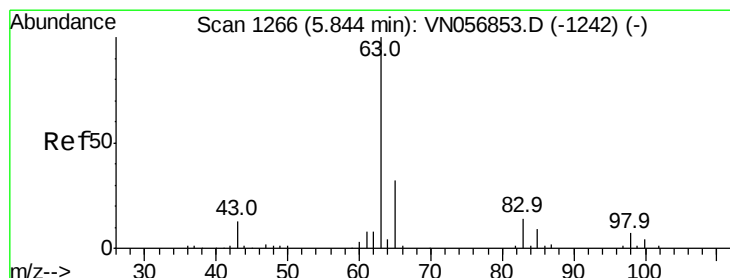
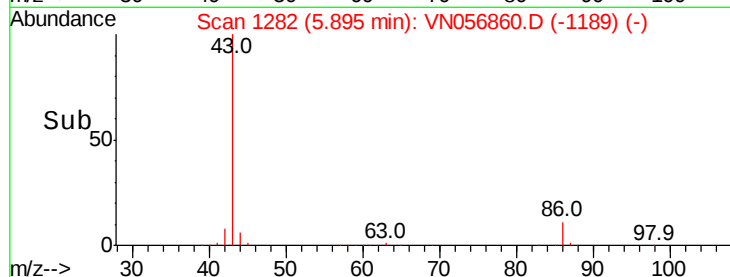
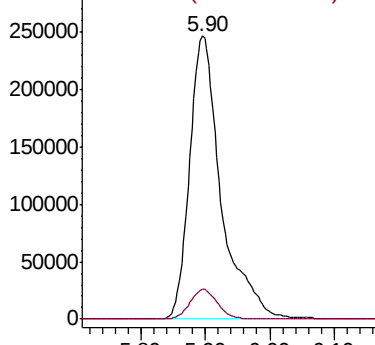
MMDadoda

7/25/2019 3:01:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.699 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

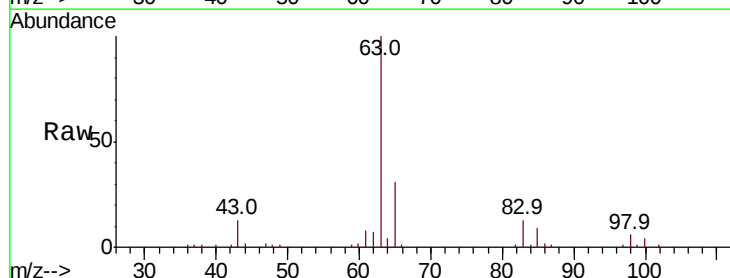
Tgt Ion: 63 Resp: 137955

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.9

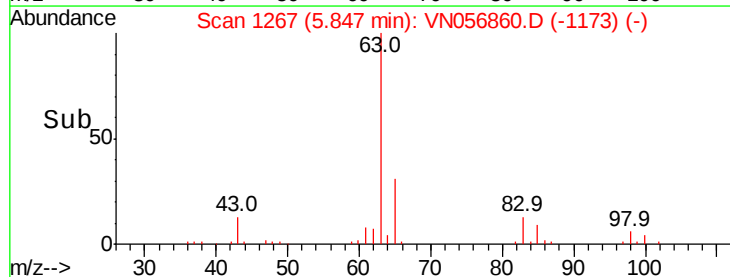
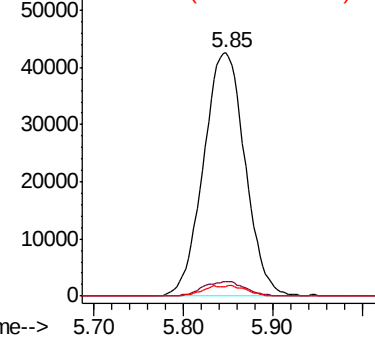
100 4.0 2.2 6.6

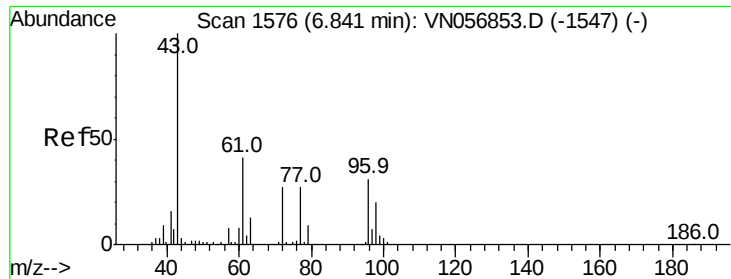


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 108.119 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 43 Resp: 207678

Ion Ratio Lower Upper

43 100

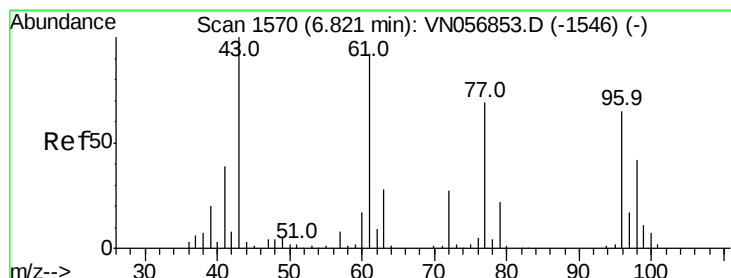
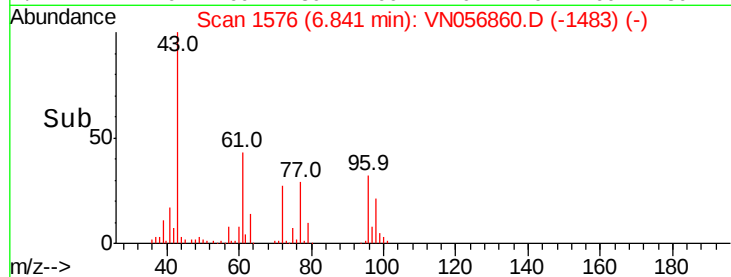
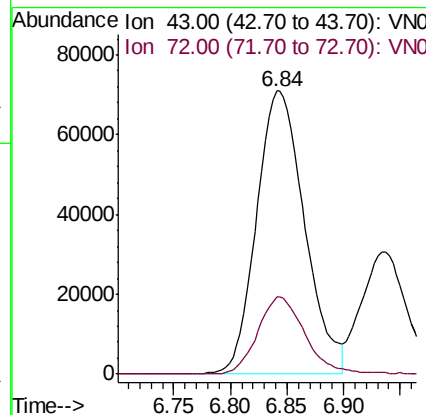
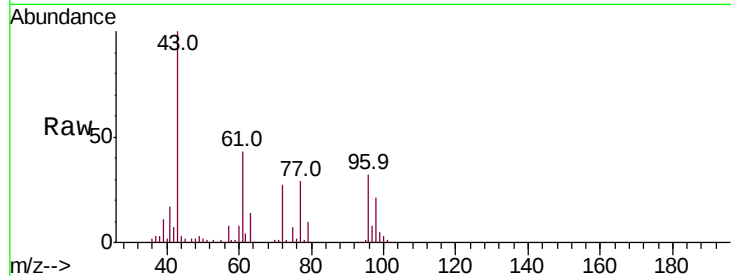
72 27.2 21.5 32.3

Manual Integrations

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MMDadoda

7/25/2019 3:01:45 PM



#26

2,2-Dichloropropane

Concen: 21.353 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056860.D

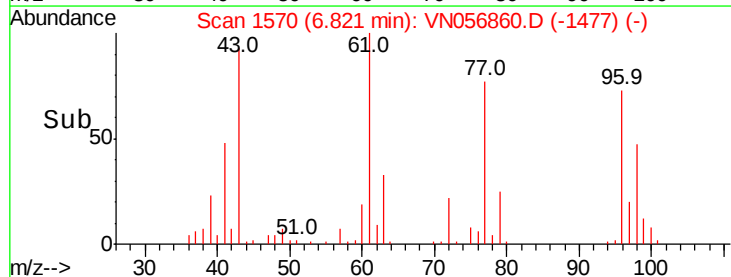
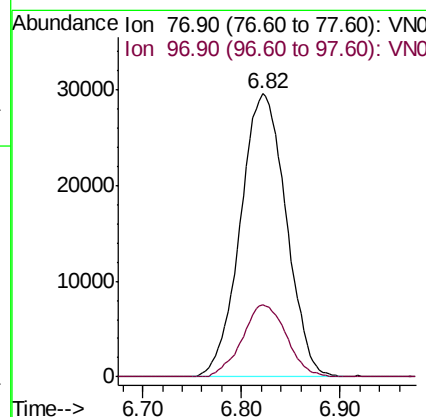
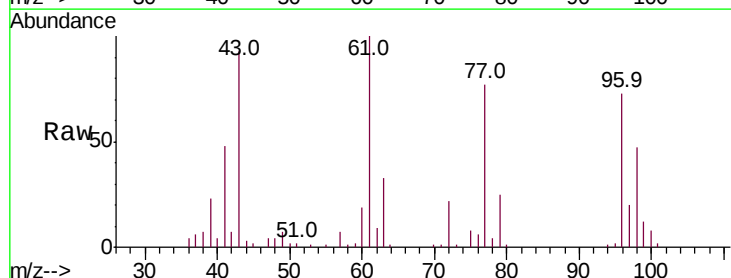
Acq: 22 Jul 2019 17:46

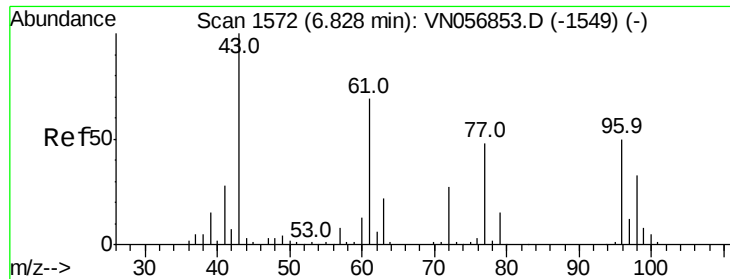
Tgt Ion: 77 Resp: 94996

Ion Ratio Lower Upper

77 100

97 24.7 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 21.300 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

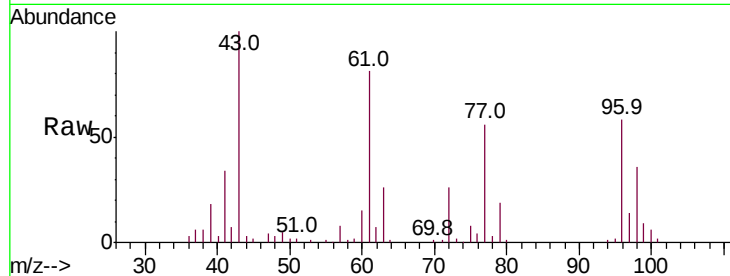
ClientSampleId :

VN0722WBSD01

Tot Ion:	96	Resp:	84214
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	281.6
98	65.2	0.0	132.0

Manual Integrations
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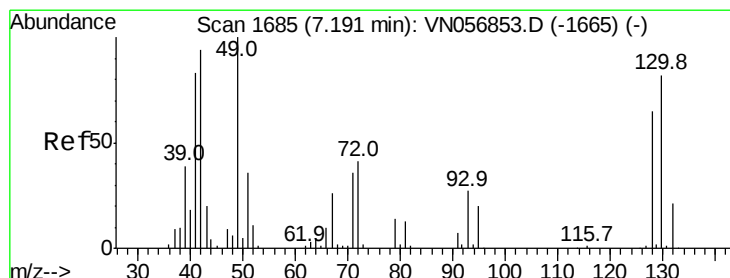
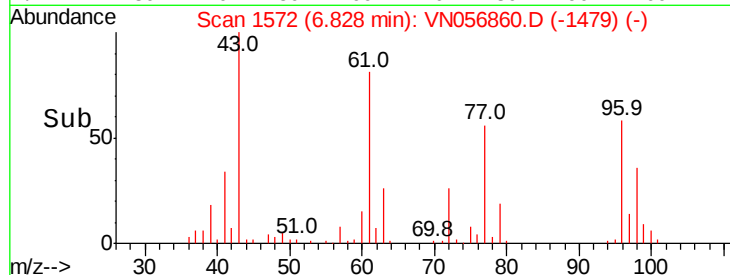
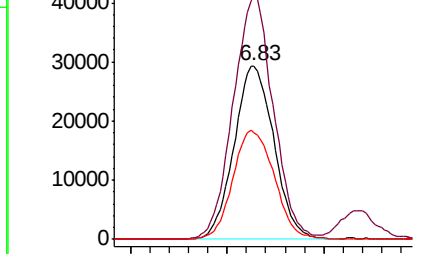
MMDadoda
7/25/2019 3:01:45 PM



Abundance Ion 95.90 (95.60 to 96.60): VN056853.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-1549) (-)



#28

Bromochloromethane

Concen: 22.413 ug/l

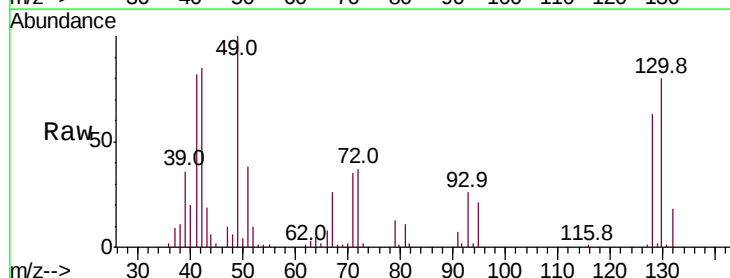
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

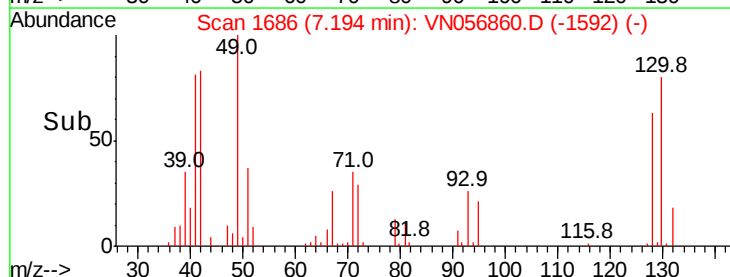
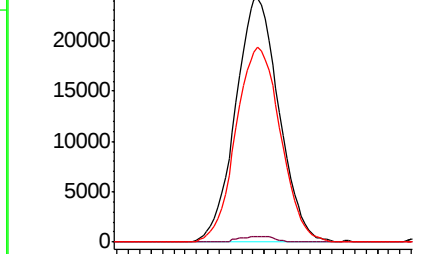
Tgt Ion:	49	Resp:	64683
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.0	65.0	97.6

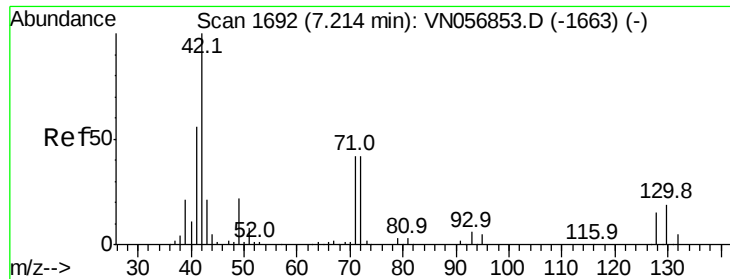


Abundance Ion 48.90 (48.60 to 49.60): VN056853.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056853.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056853.D (-1665) (-)





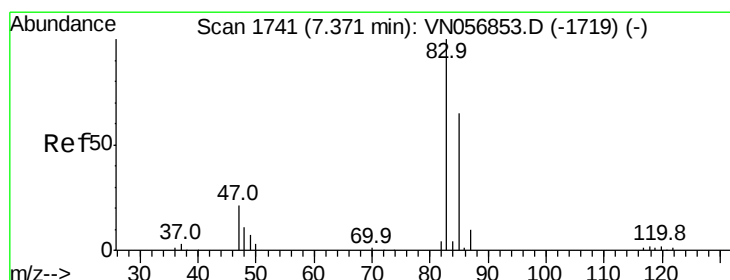
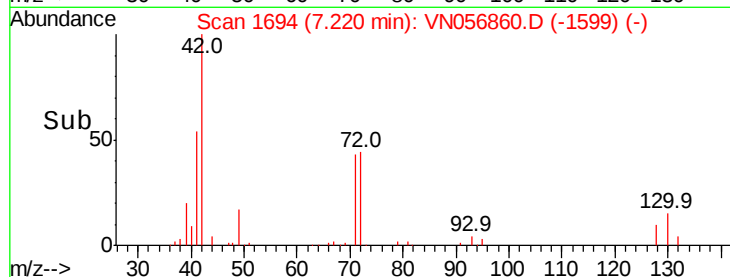
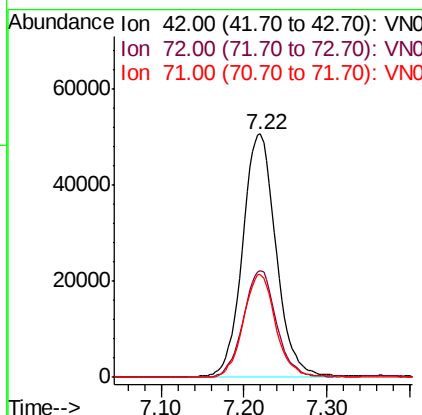
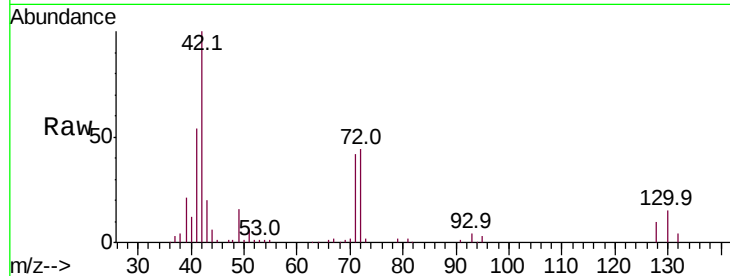
#29
Tetrahydrofuran
Concen: 107.703 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	40.5	32.7	49.1

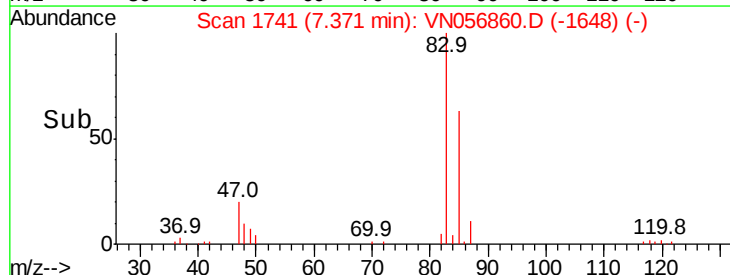
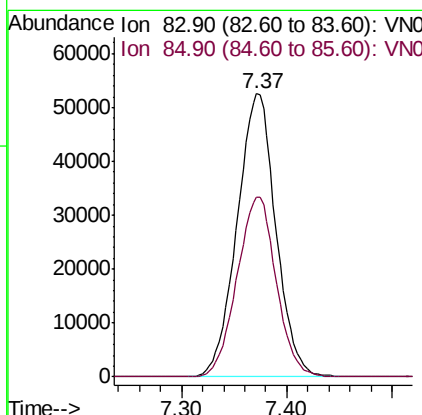
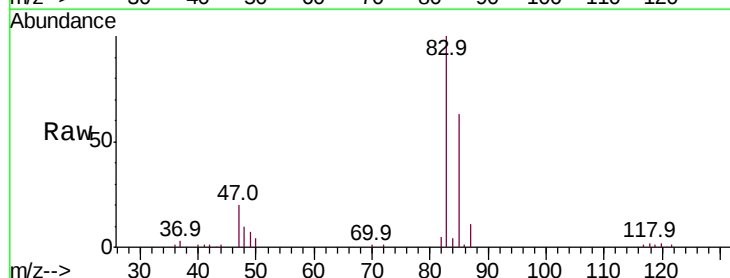
Manual Integrations
APPROVED

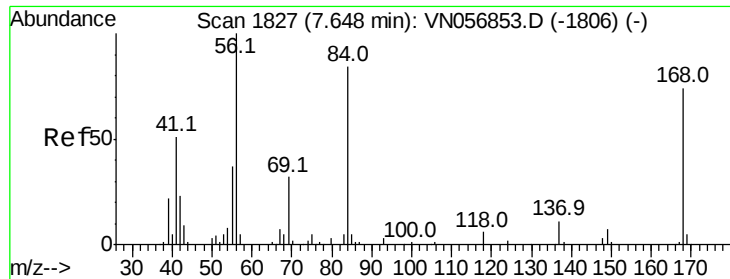
MMDadoda
7/25/2019 3:01:45 PM



#30
Chloroform
Concen: 21.089 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





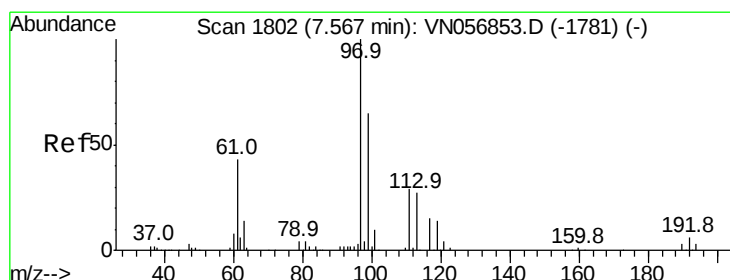
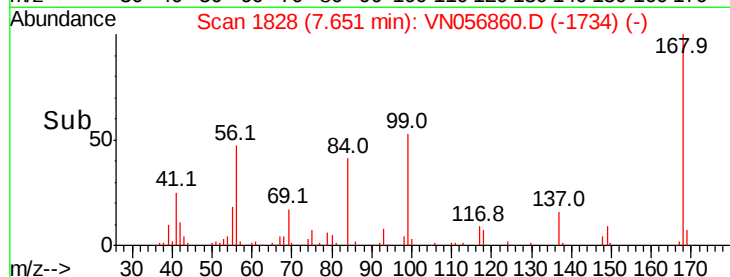
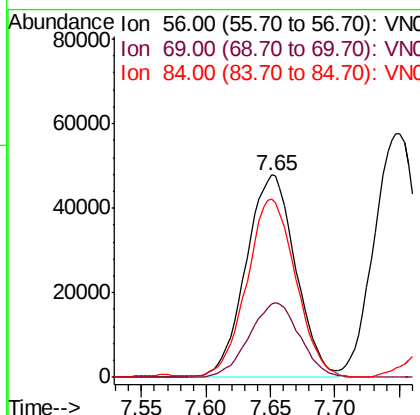
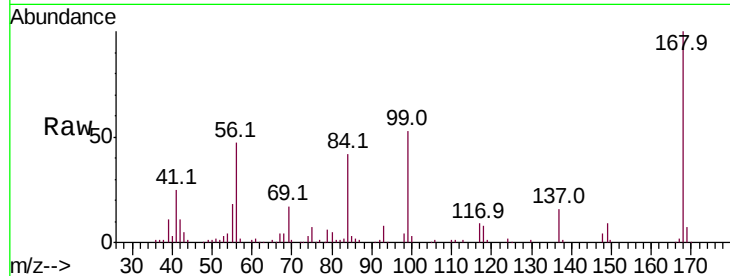
#31
Cyclohexane
Concen: 20.828 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampled :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.5	38.3
84	87.4	67.3	100.9

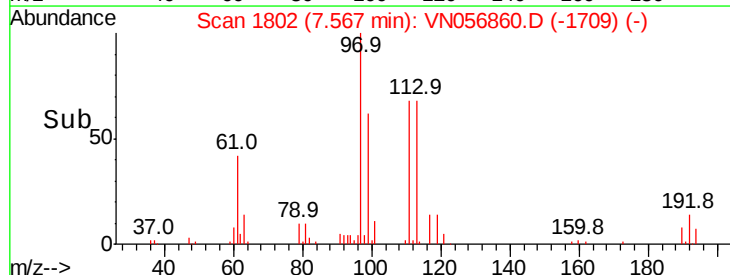
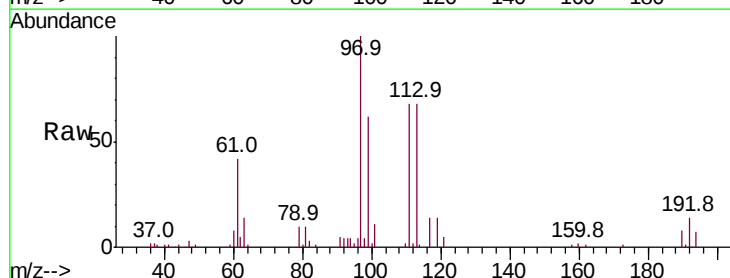
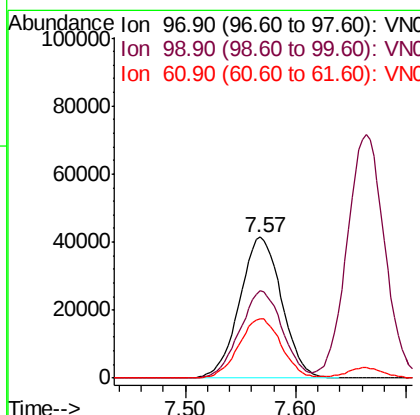
Manual Integrations
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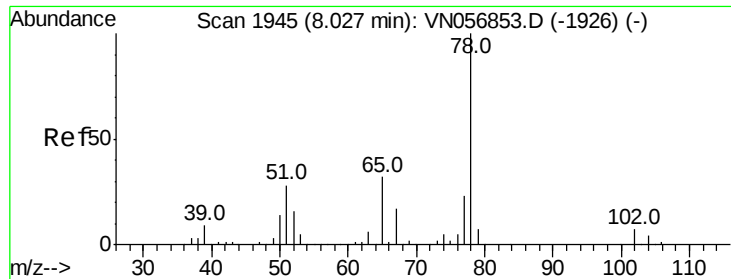
MMDadoda
7/25/2019 3:01:45 PM



#32
1,1,1-Trichloroethane
Concen: 21.184 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.1	78.1
61	42.8	34.0	51.0





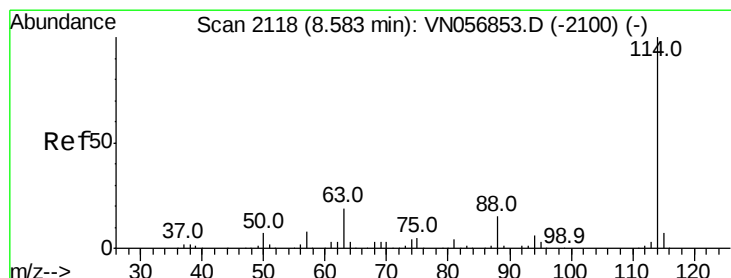
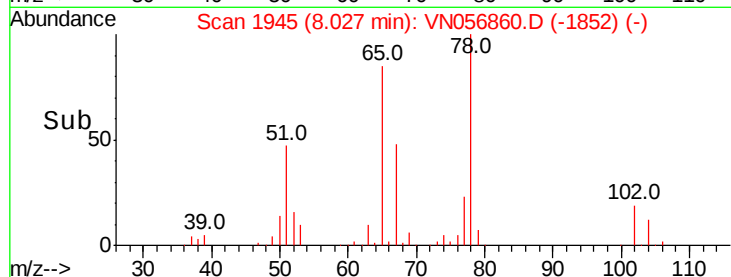
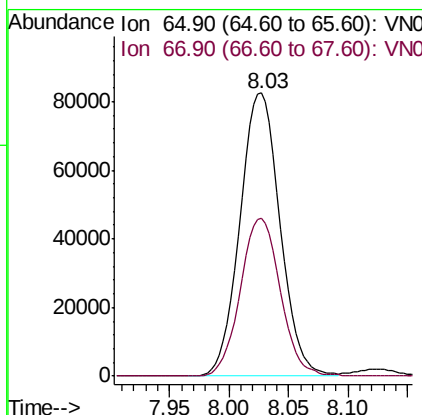
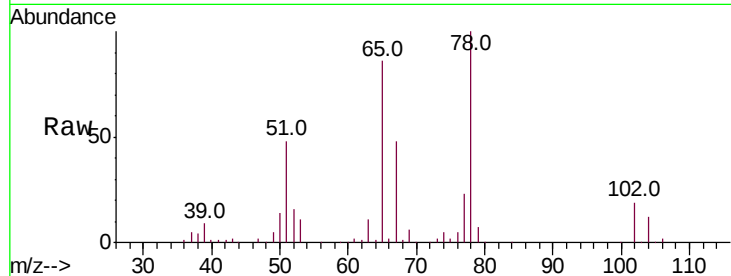
#33
 1,2-Dichloroethane-d4
 Concen: 53.103 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192706		
67	55.7	0.0	108.6	

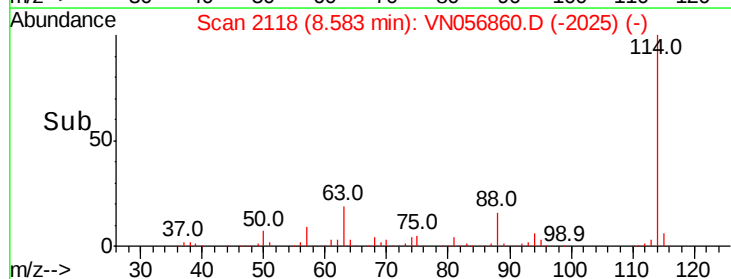
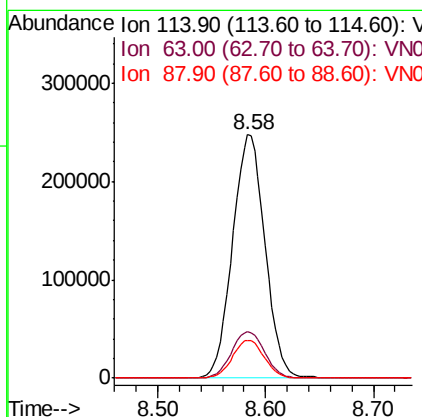
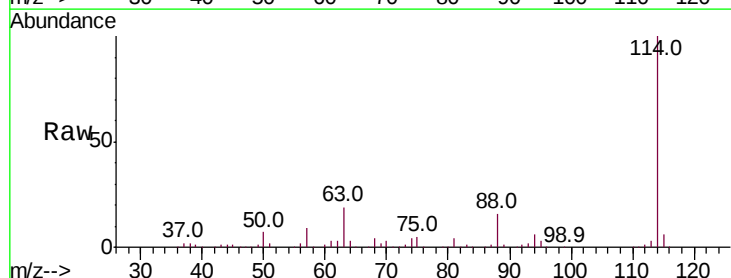
Manual Integrations
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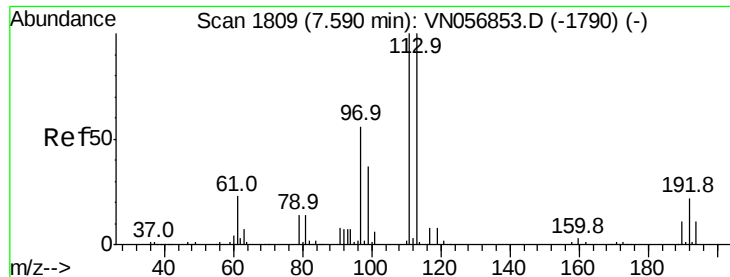
MMDadoda
 7/25/2019 3:01:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	516866		
63	19.0	0.0	37.8	
88	15.6	0.0	31.0	





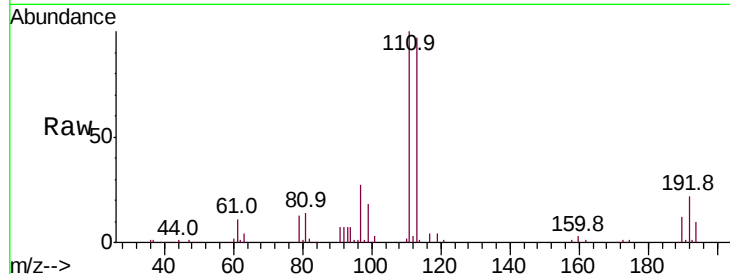
#35
 Dibromofluoromethane
 Concen: 52.629 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	22.8	18.5	27.7

Manual Integrations
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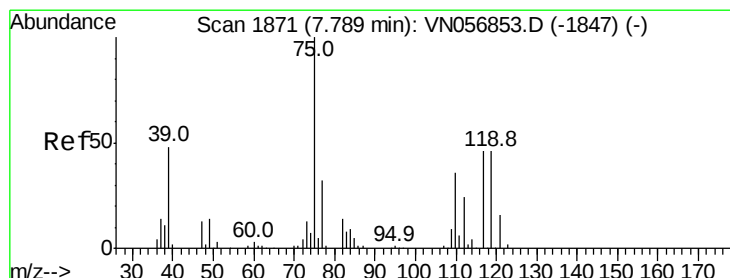
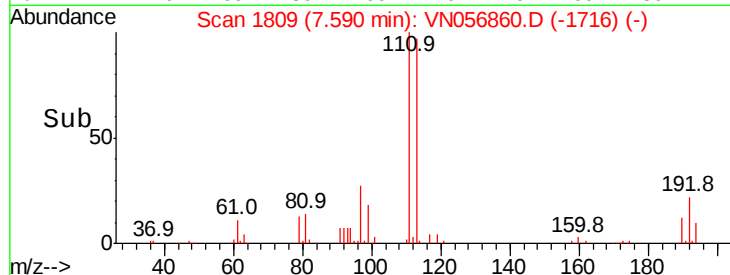
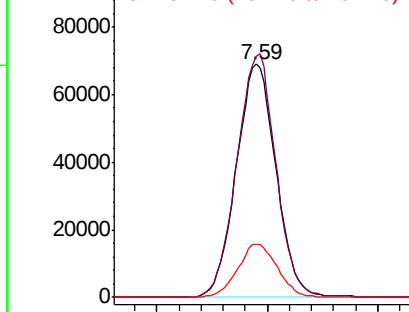


Abundance

Ion 112.80 (112.50 to 113.50): V

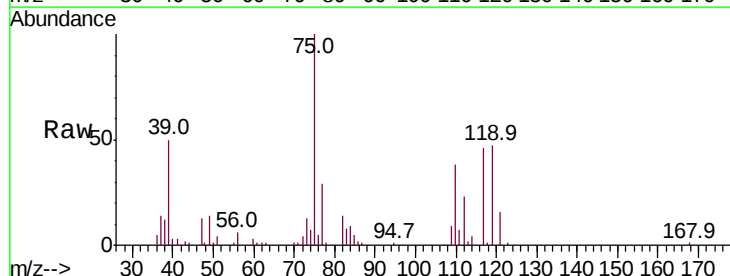
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.048 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.1	17.9	53.7
77	30.7	25.0	37.6

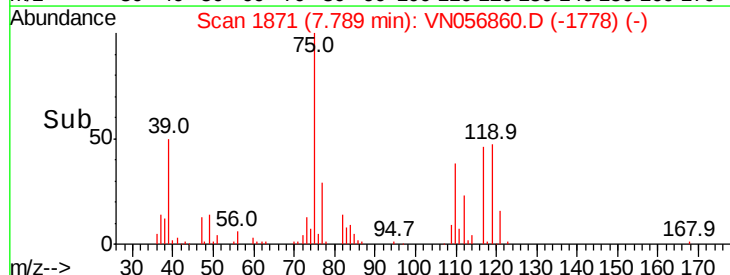
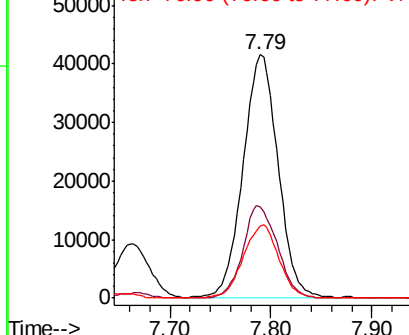


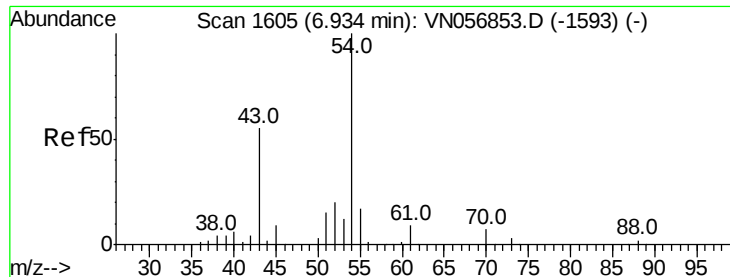
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





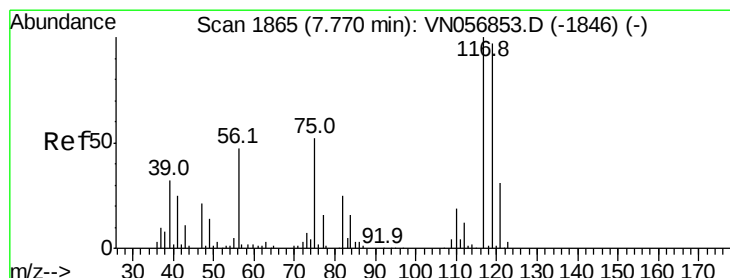
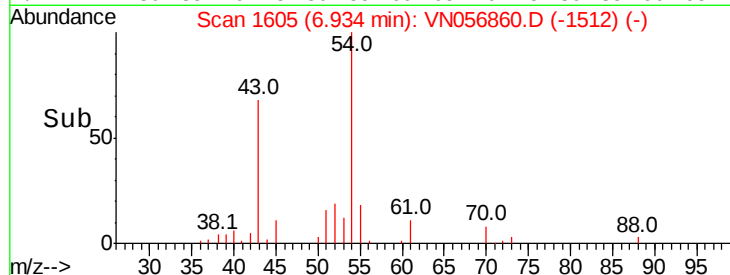
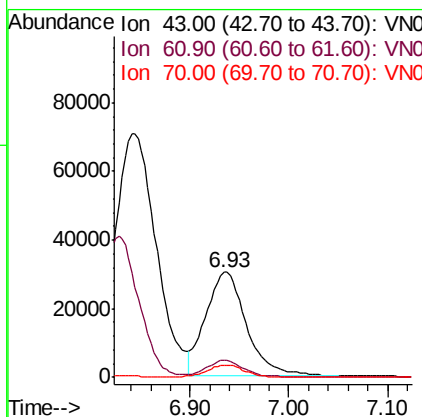
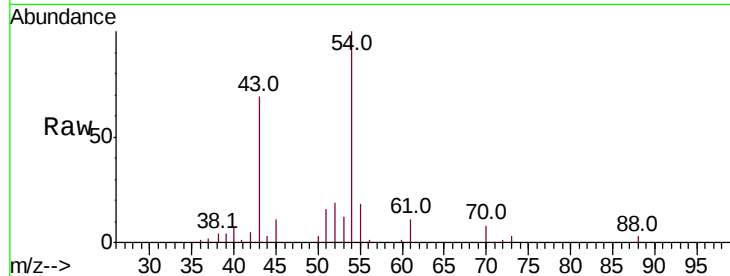
#37
Ethyl Acetate
Concen: 22.618 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	43	61	70
Ratio	100	15.3	10.9
Lower		11.8	8.6
Upper		17.8	13.0

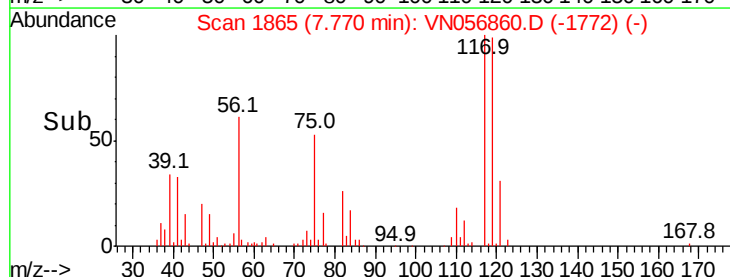
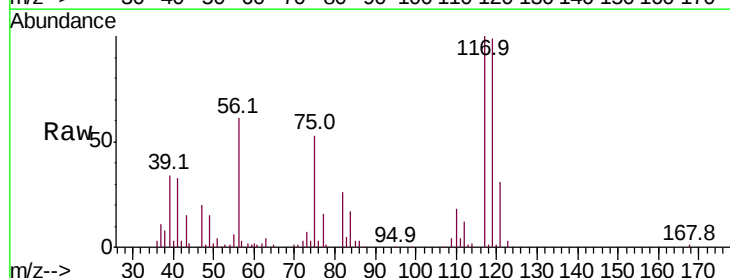
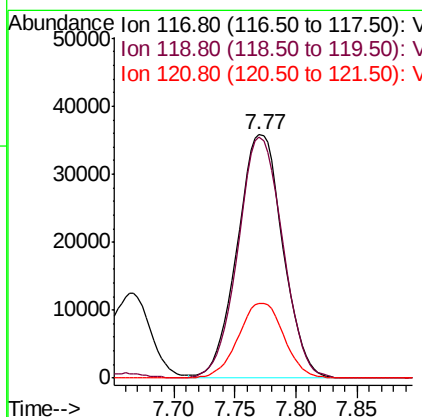
Manual Integrations
APPROVED

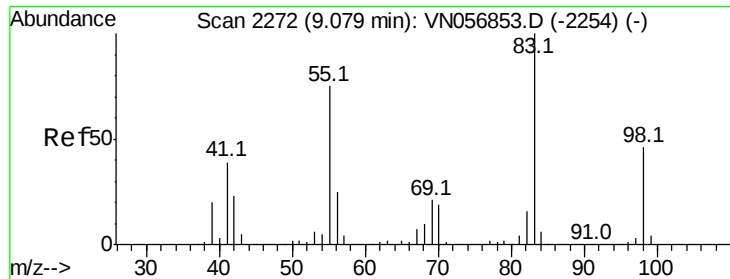
MMDadoda
7/25/2019 3:01:45 PM



#38
Carbon Tetrachloride
Concen: 20.421 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	117	119	121
Ratio	100	99.0	30.8
Lower		77.2	24.5
Upper		115.8	36.7





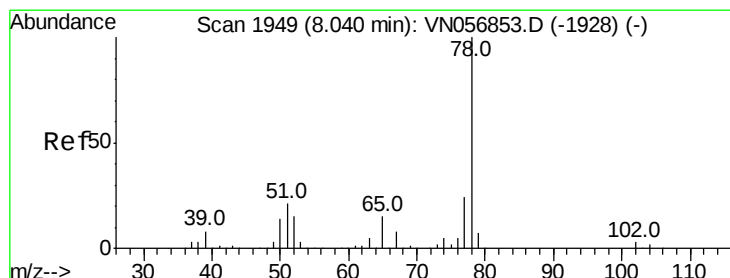
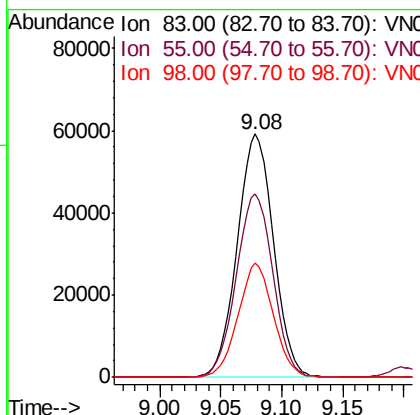
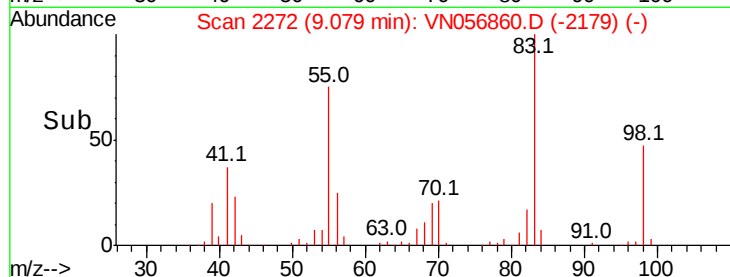
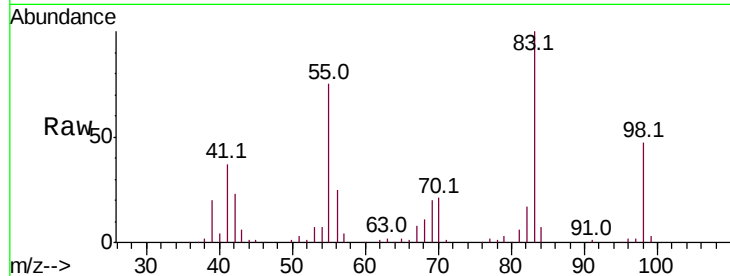
#39
Methvlcvclohexane
Concen: 20.440 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.8	89.8
98	47.2	37.1	55.7

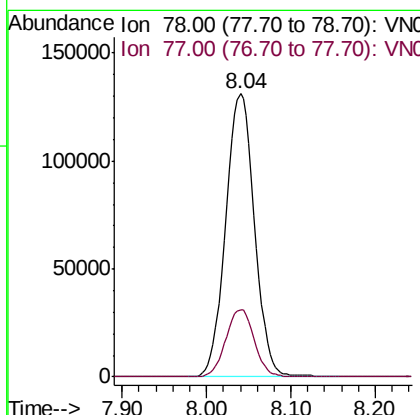
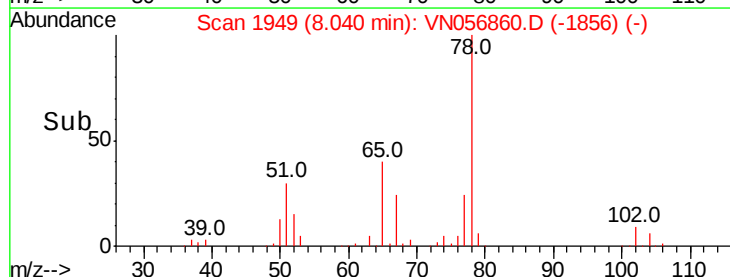
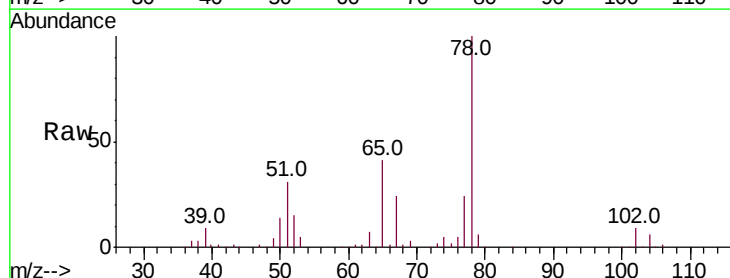
Manual Integrations
APPROVED

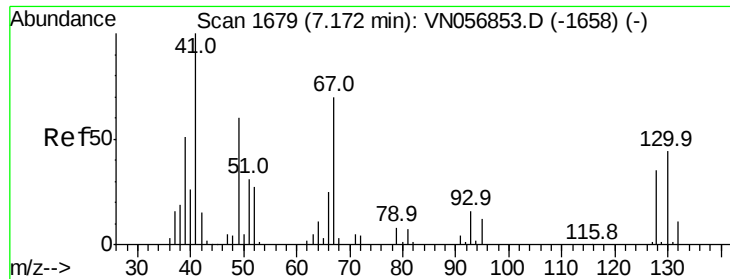
MMDadoda
7/25/2019 3:01:45 PM



#40
Benzene
Concen: 21.053 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





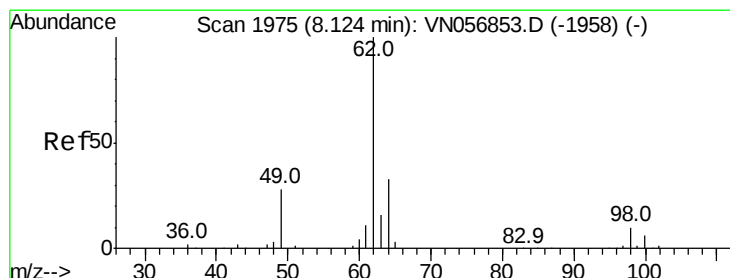
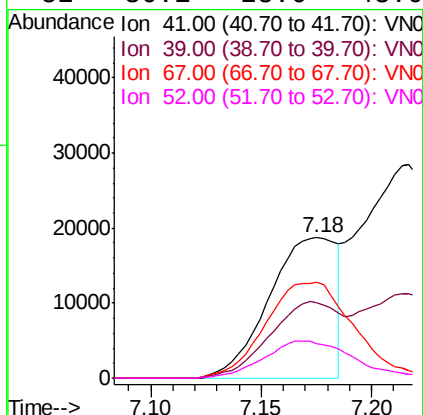
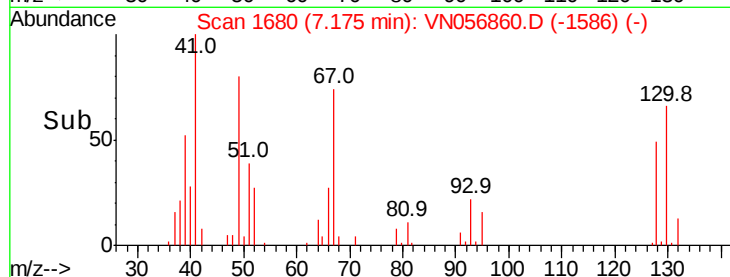
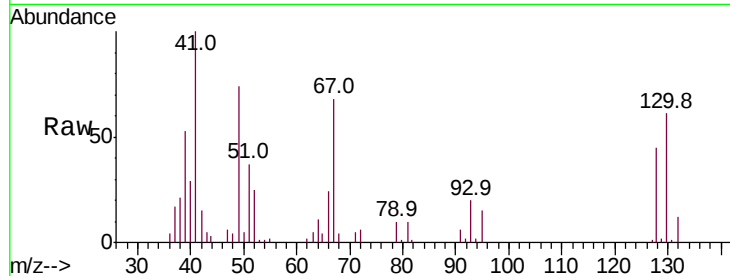
#41
Methacrylonitrile
Concen: 20.919 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.4	44.0	66.0
67	90.2	73.5	110.3
52	36.1	28.6	43.0

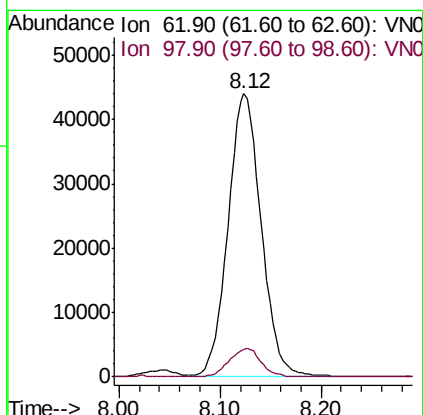
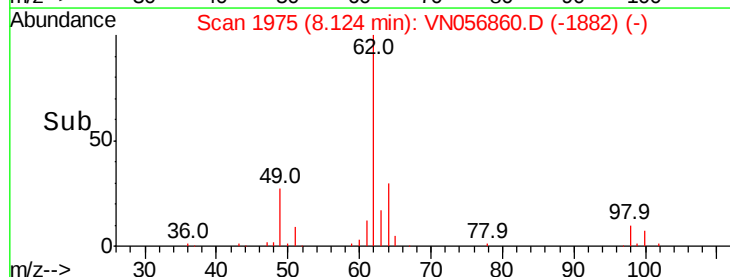
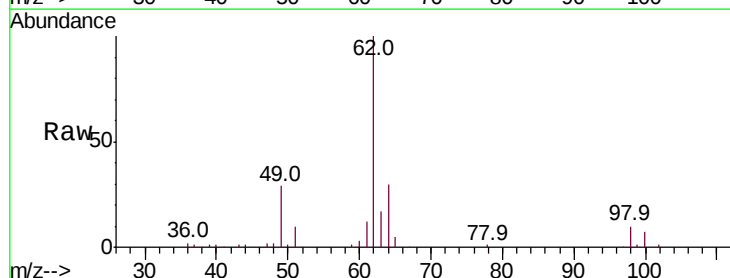
Manual Integrations
APPROVED

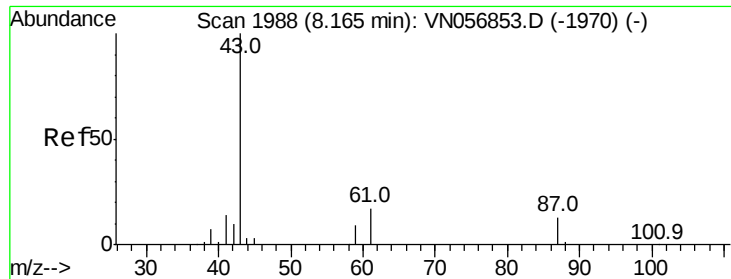
MMDadoda
7/25/2019 3:01:45 PM



#42
1,2-Dichloroethane
Concen: 21.756 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.835 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

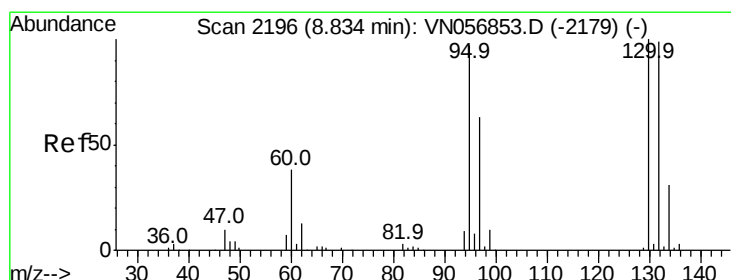
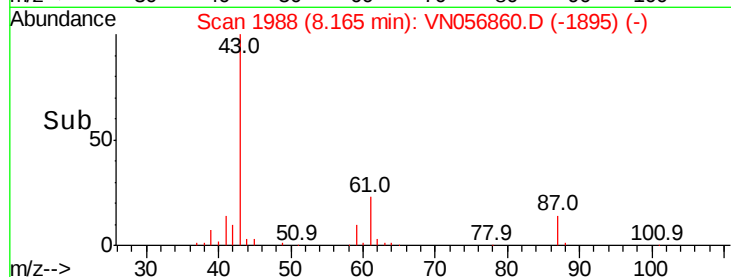
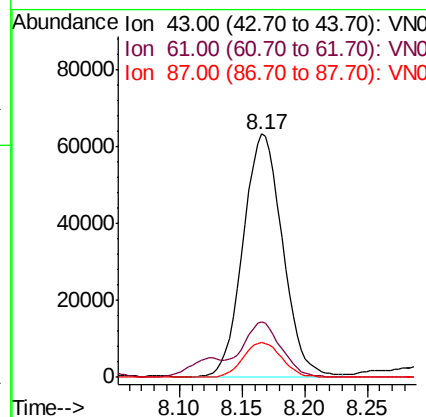
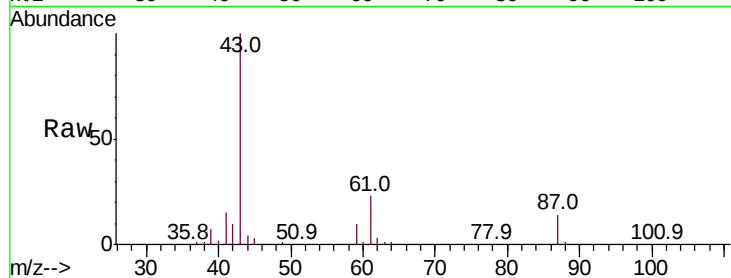
ClientSampleId :

VN0722WBSD01

Tot Ion:	43	Resp:	137679
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	14.0	11.0	16.4

Manual Integrations
APPROVED

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7/25/2019 3:01:45 PM



#44

Trichloroethene

Concen: 20.839 ug/l

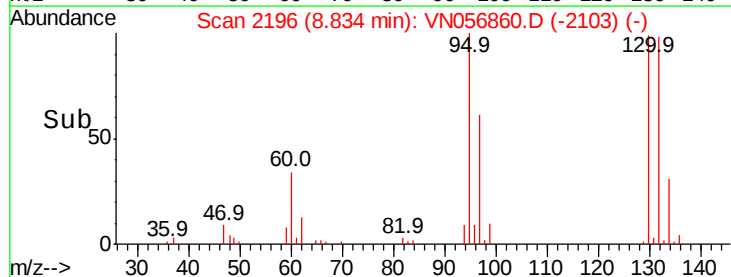
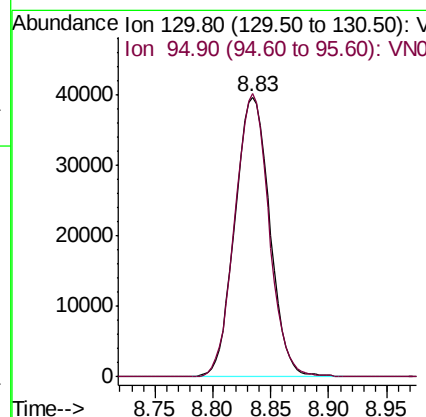
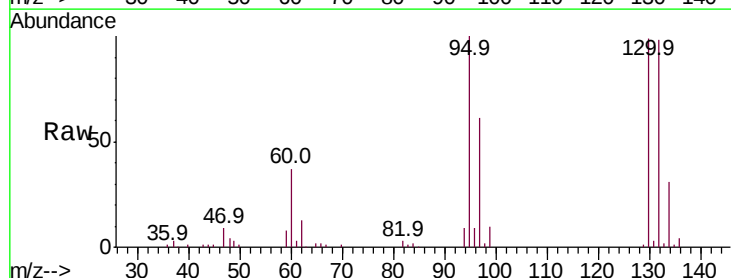
RT: 8.83 min Scan# 2196

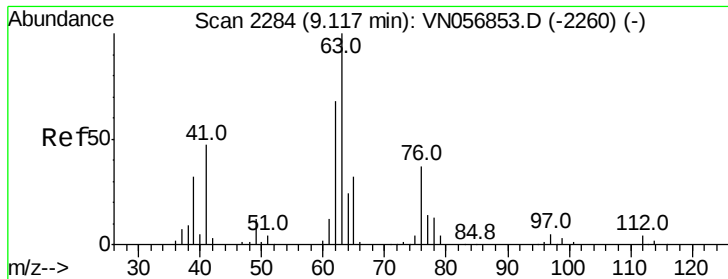
Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	130	Resp:	82638
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	194.0





#45

1,2-Dichloropropane

Concen: 20.859 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 63 Resp: 83198

Ion Ratio Lower Upper

63 100

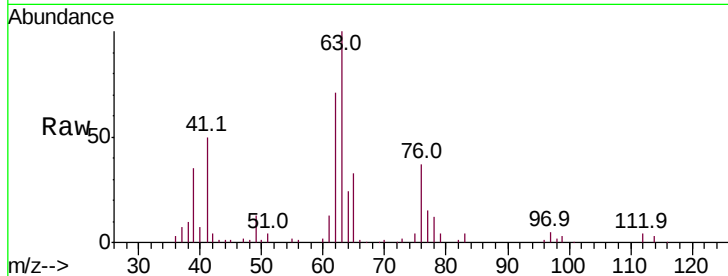
65 33.4 25.4 38.0

Manual Integrations

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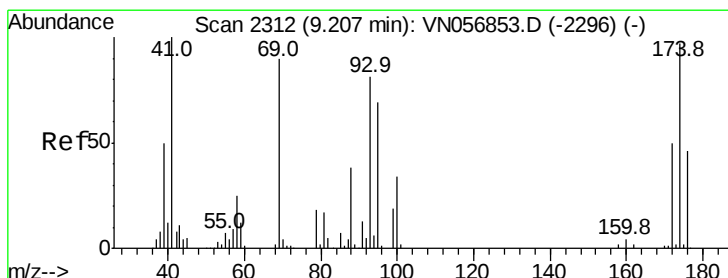
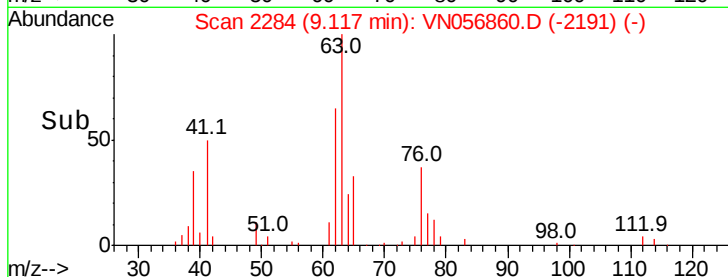
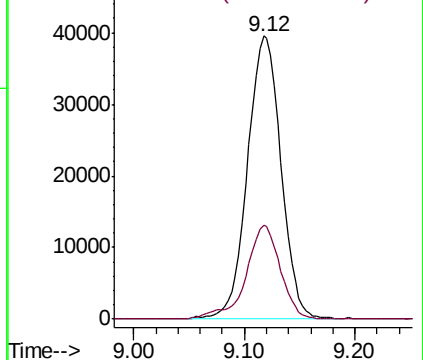
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.080 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

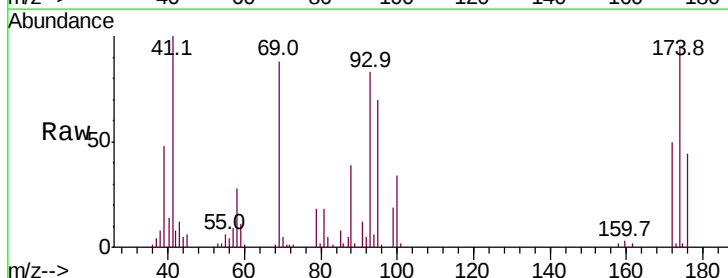
Tgt Ion: 93 Resp: 51898

Ion Ratio Lower Upper

93 100

95 83.8 67.4 101.0

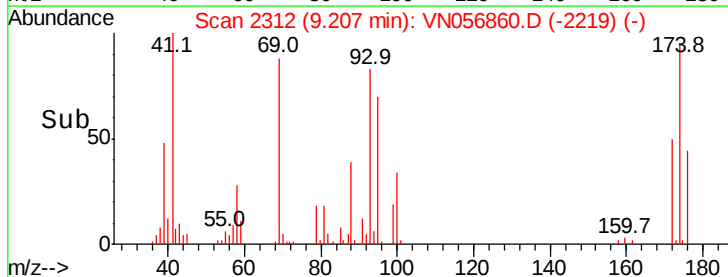
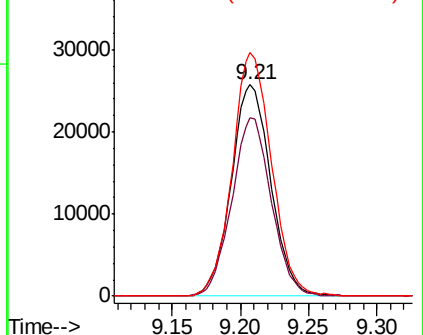
174 114.2 92.9 139.3

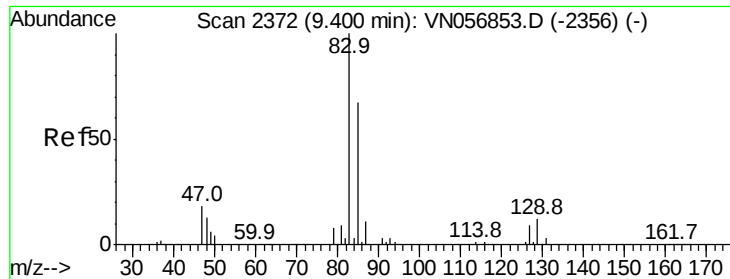


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.950 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

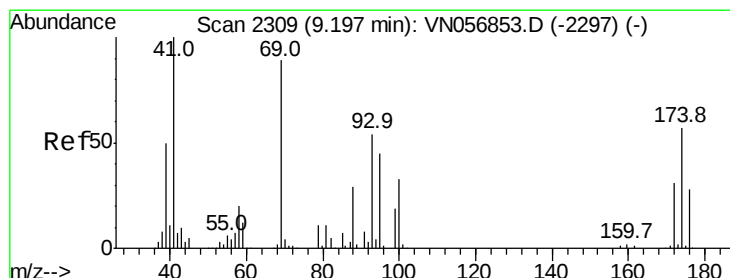
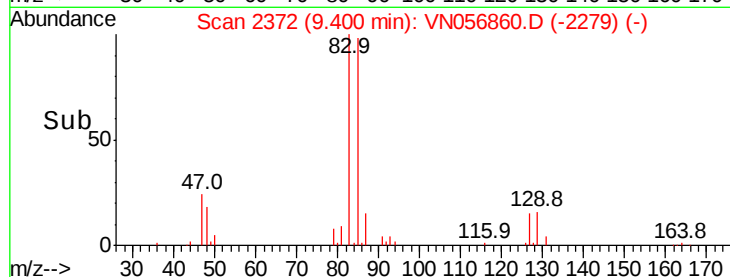
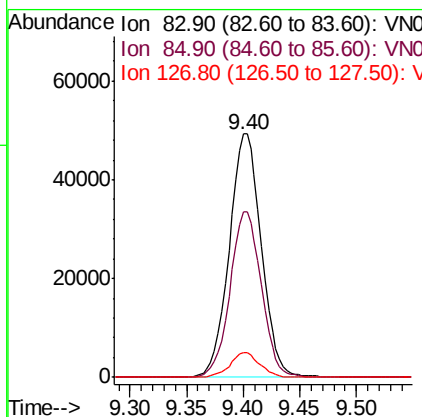
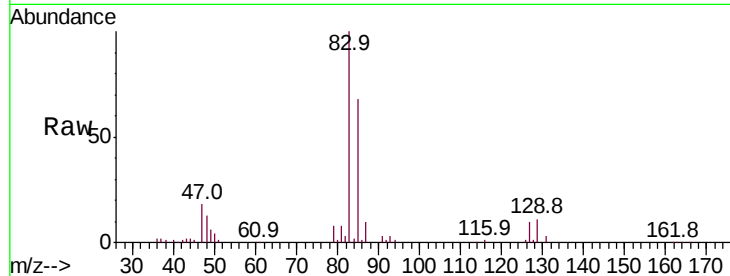
ClientSampleId :

VN0722WBSD01

Tot Ion:	83	Resp:	96995
Ion Ratio	Lower	Upper	
83	100		
85	67.8	53.4	80.2
127	10.4	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.999 ug/l

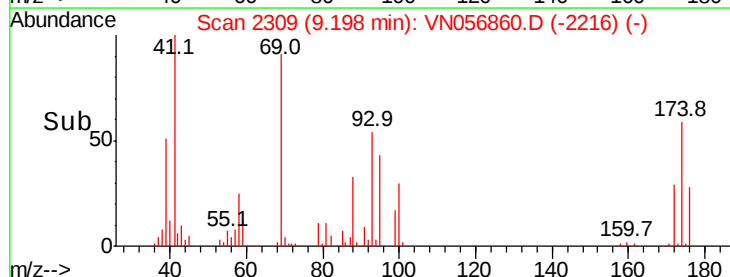
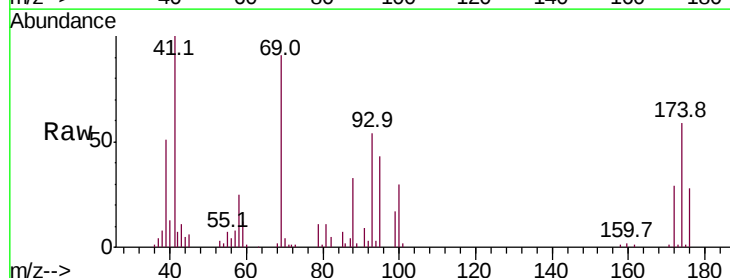
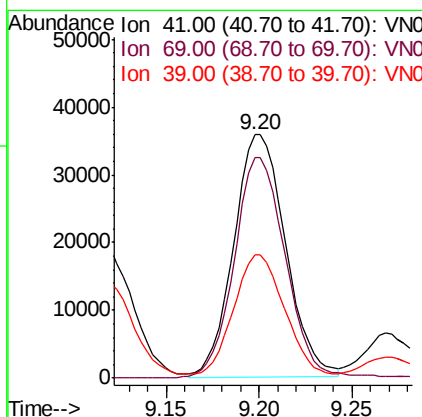
RT: 9.20 min Scan# 2309

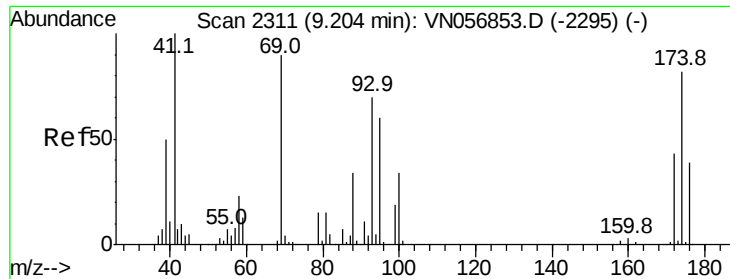
Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	41	Resp:	69417
Ion Ratio	Lower	Upper	
41	100		
69	90.3	71.1	106.7
39	51.4	40.6	60.8





#49

1,4-Dioxane

Concen: 430.436 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 88 Resp: 27910

Ion Ratio Lower Upper

88 100

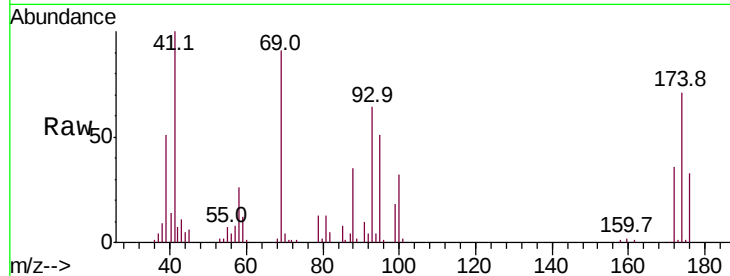
43 27.0 21.4 32.2

58 71.6 55.7 83.5

Manual Integrations
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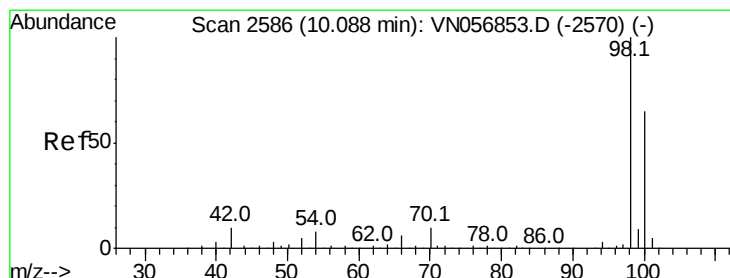
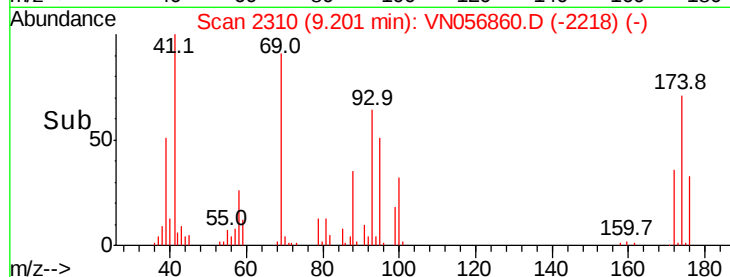
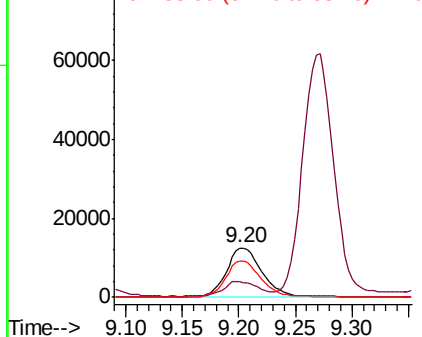


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 53.013 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056860.D

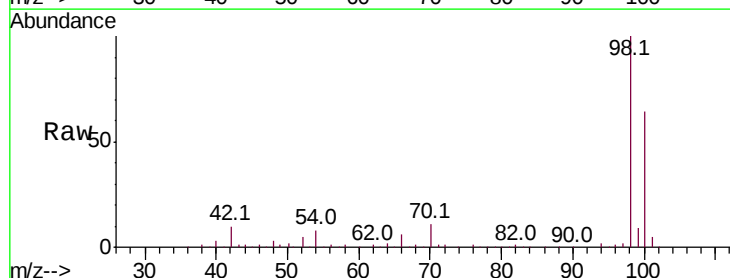
Acq: 22 Jul 2019 17:46

Tgt Ion: 98 Resp: 664439

Ion Ratio Lower Upper

98 100

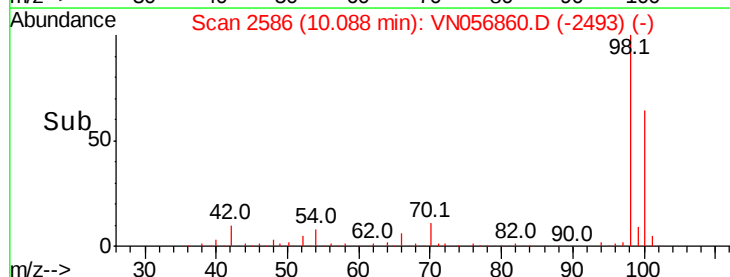
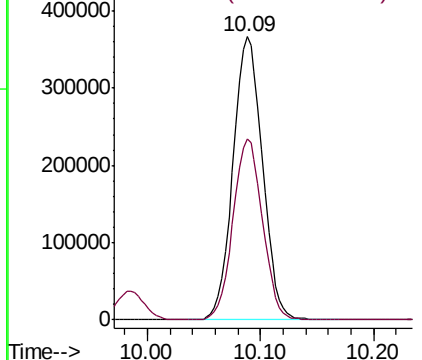
100 63.7 51.5 77.3

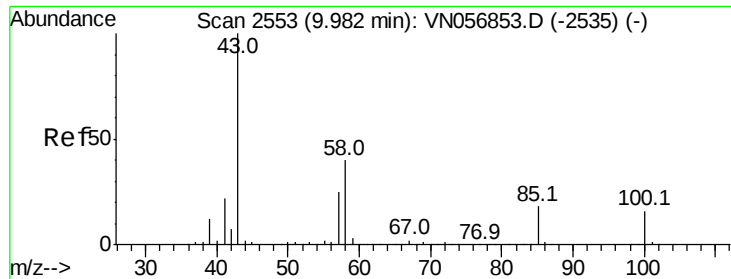


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.367 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleID :

VN0722WBSD01

Tot Ion: 43 Resp: 427022

Ion Ratio Lower Upper

43 100

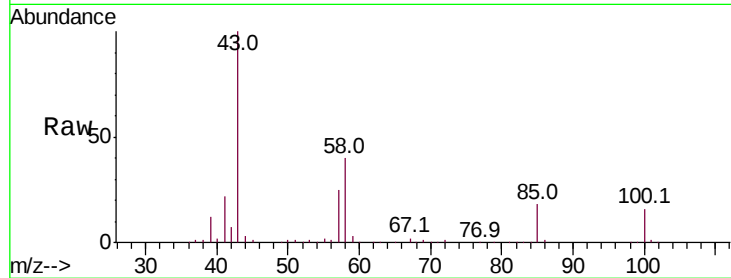
58 40.2 32.4 48.6

Manual Integrations

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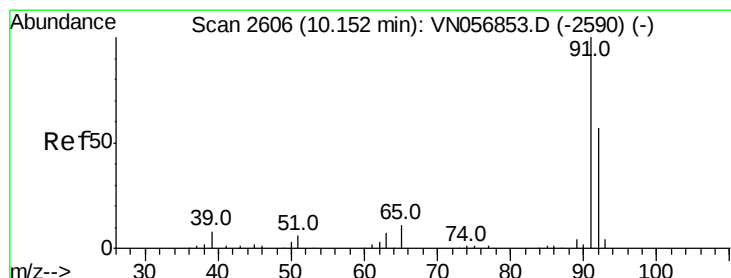
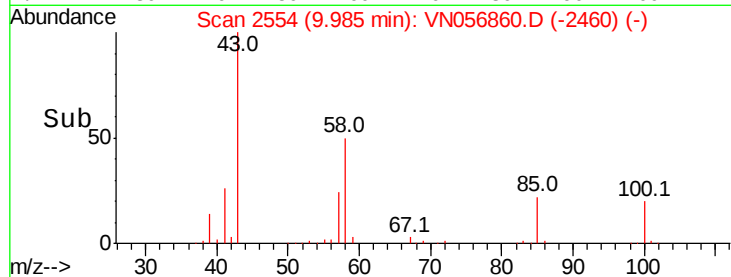
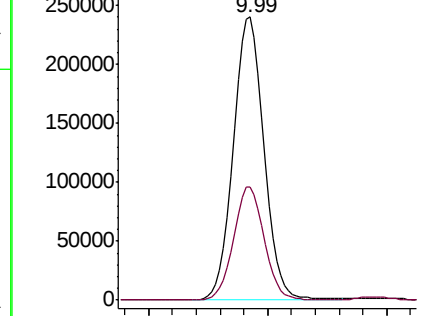
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.335 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056860.D

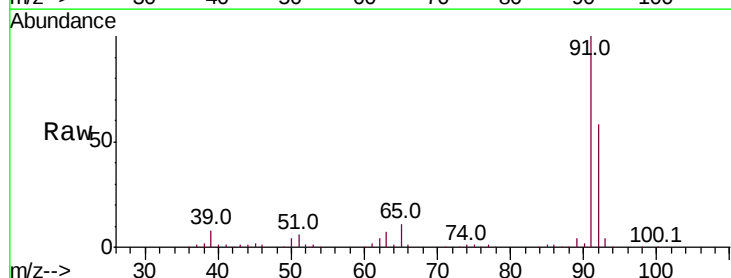
Acq: 22 Jul 2019 17:46

Tgt Ion: 92 Resp: 190083

Ion Ratio Lower Upper

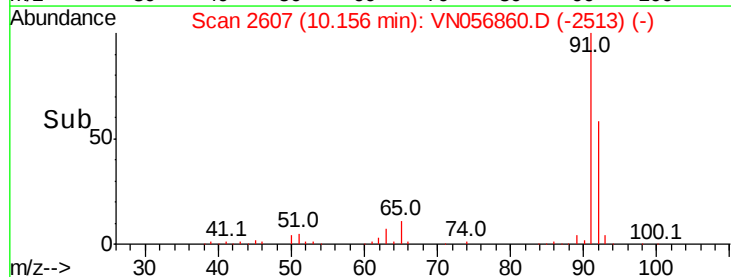
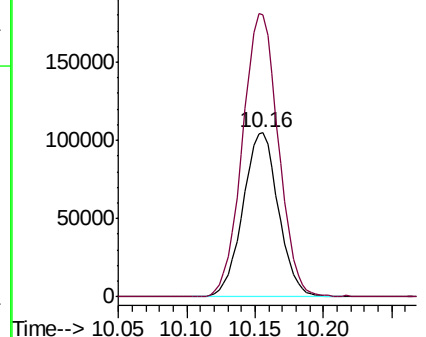
92 100

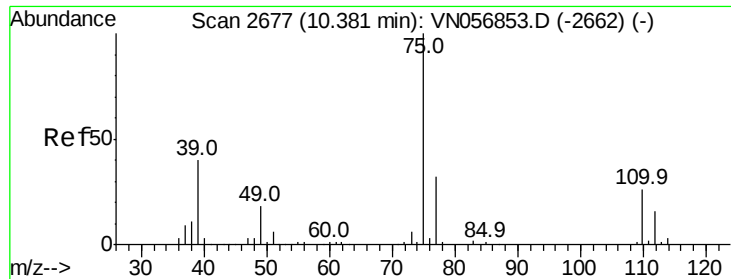
91 174.2 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





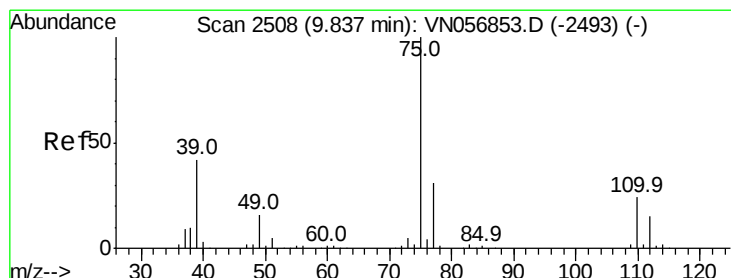
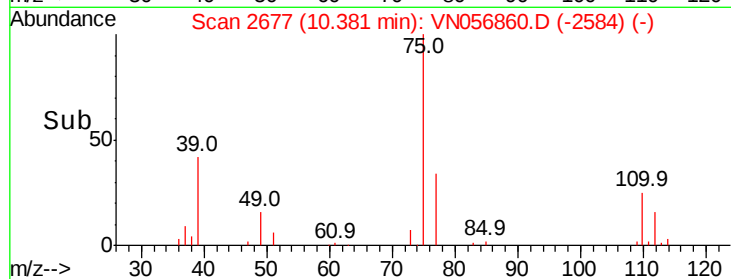
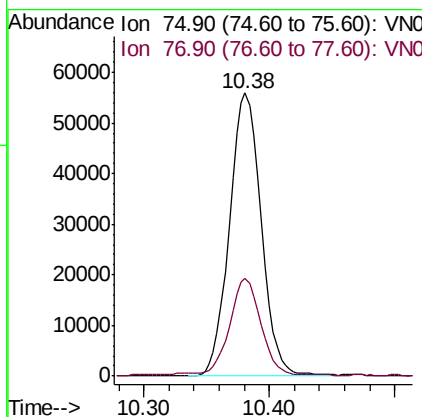
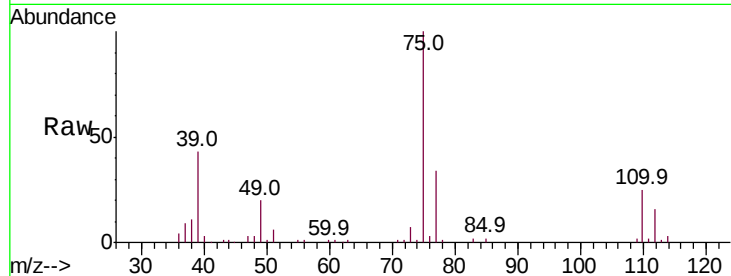
#53
t-1,3-Dichloropropene
Concen: 20.729 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion: 75 Resp: 98498
Ion Ratio Lower Upper
75 100
77 34.4 25.4 38.2

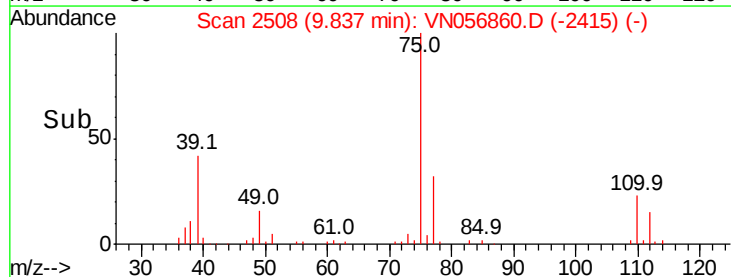
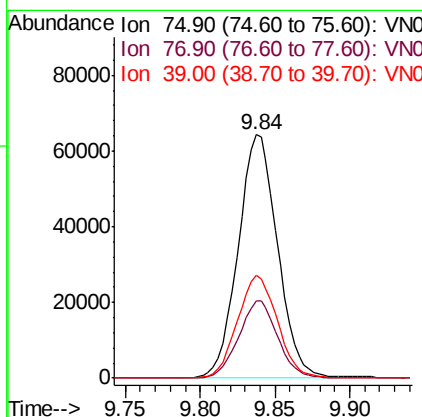
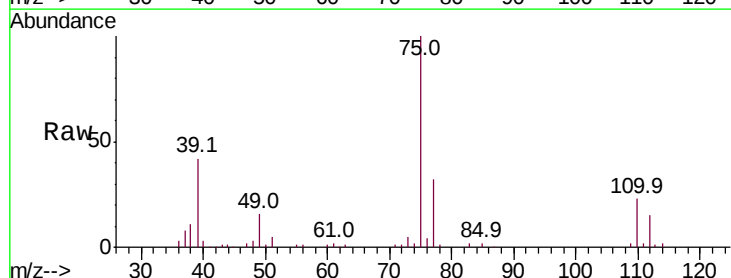
Manual Integrations
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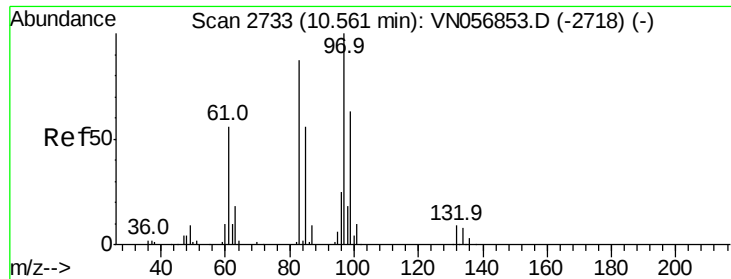
MMDadoda
7/25/2019 3:01:45 PM



#54
cis-1,3-Dichloropropene
Concen: 20.972 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 75 Resp: 117484
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 42.1 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 21.172 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 97 Resp: 74869

Ion Ratio Lower Upper

97 100

83 87.3 70.0 105.0

85 57.1 45.1 67.7

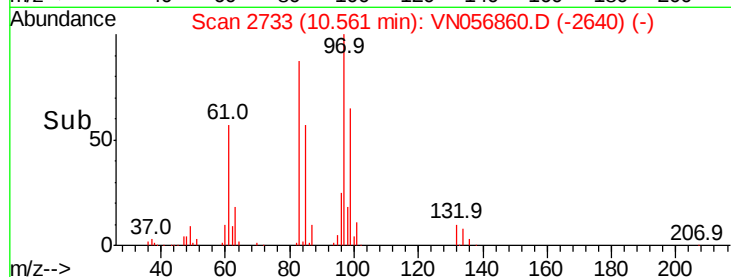
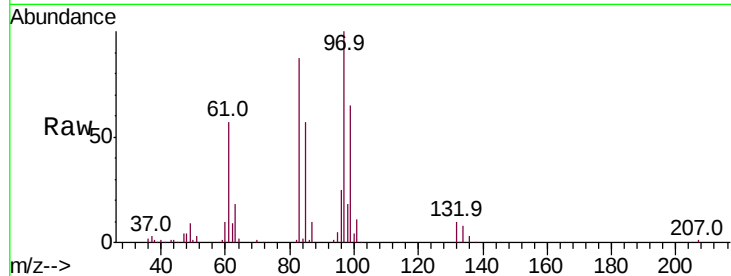
99 64.9 50.2 75.4

Manual Integrations

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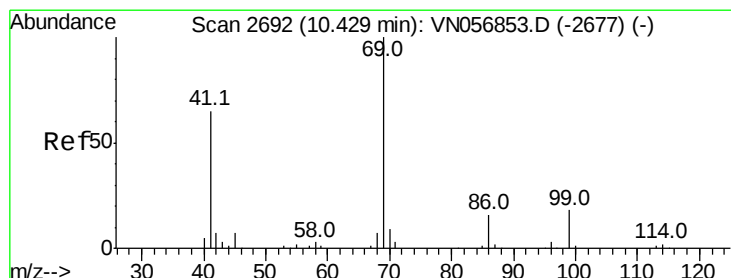
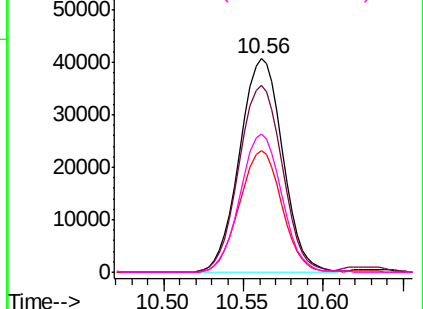


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.386 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

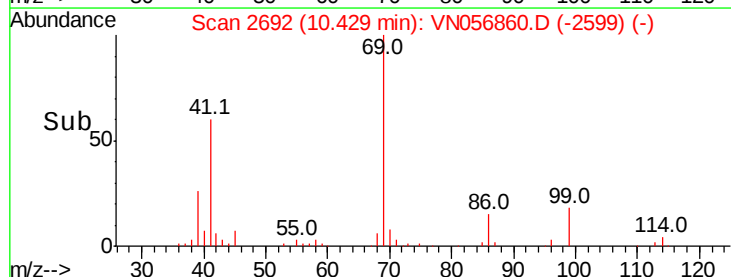
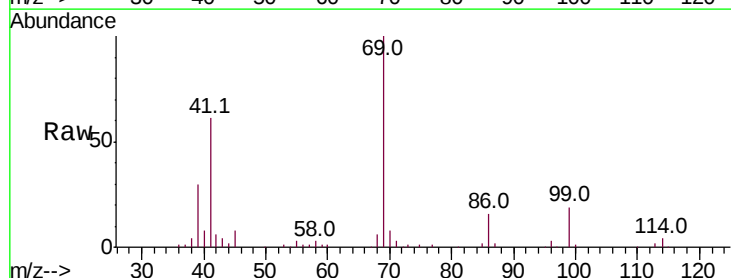
Tgt Ion: 69 Resp: 104985

Ion Ratio Lower Upper

69 100

41 62.6 51.0 76.6

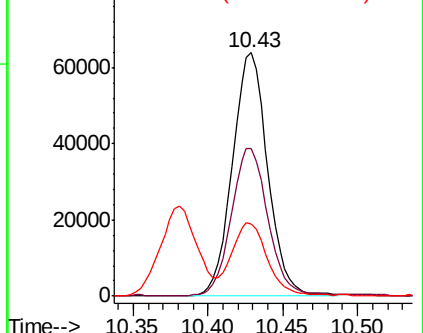
39 29.6 24.5 36.7

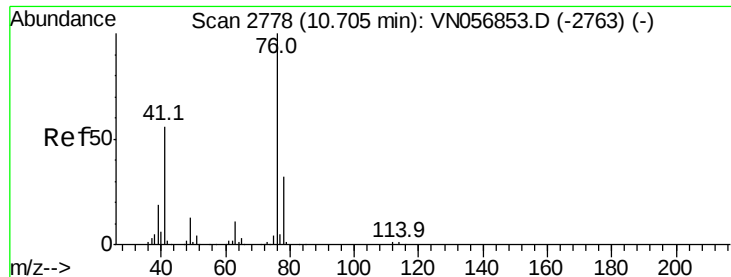


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





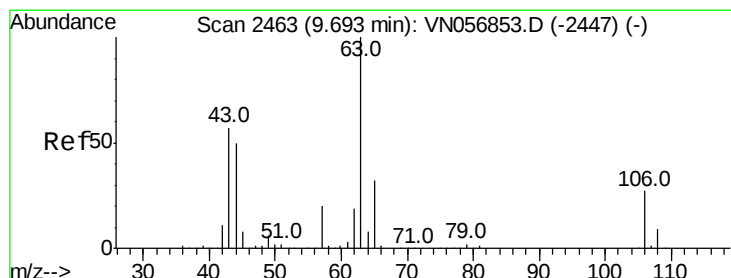
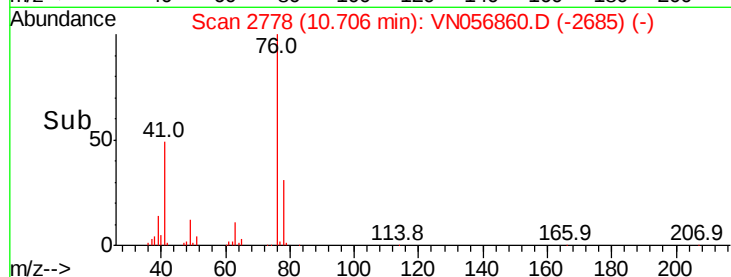
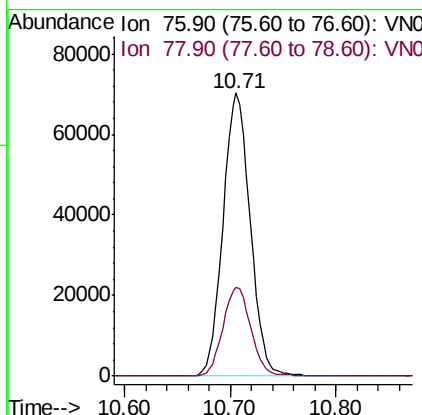
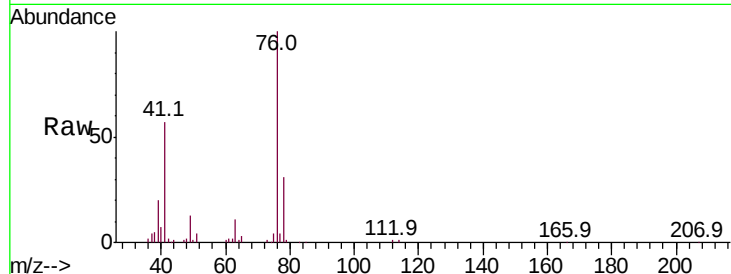
#57
 1,3-Dichloropropane
 Concen: 21.403 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

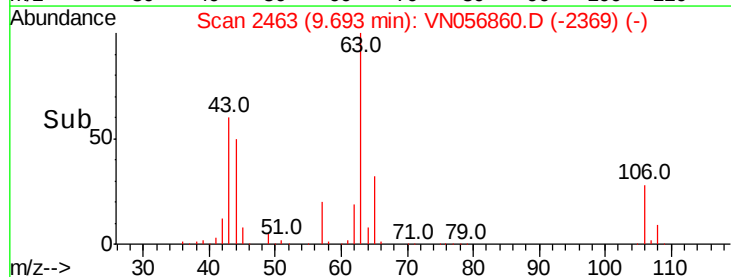
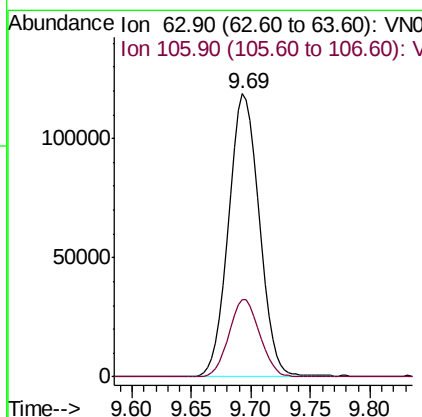
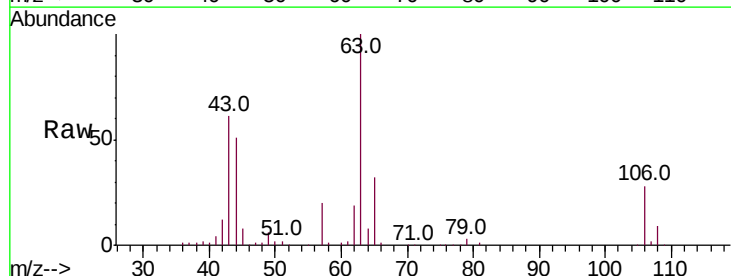
Manual Integrations
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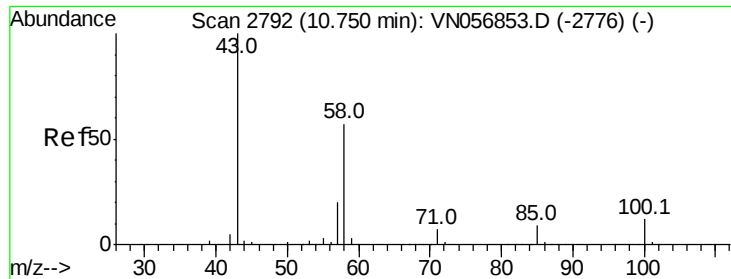
MMDadoda
 7/25/2019 3:01:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.277 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.8	32.8





#59

2-Hexanone

Concen: 107.326 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 43 Resp: 292742

Ion Ratio Lower Upper

43 100

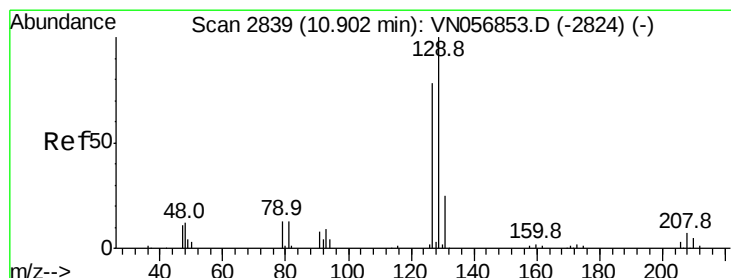
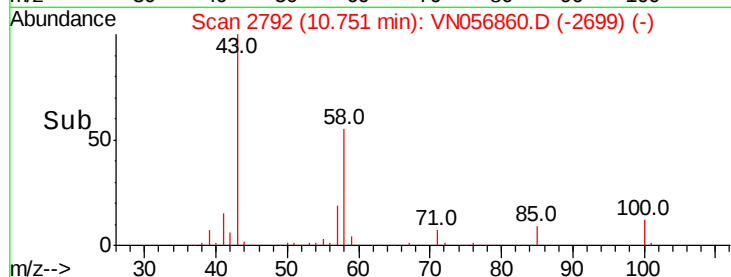
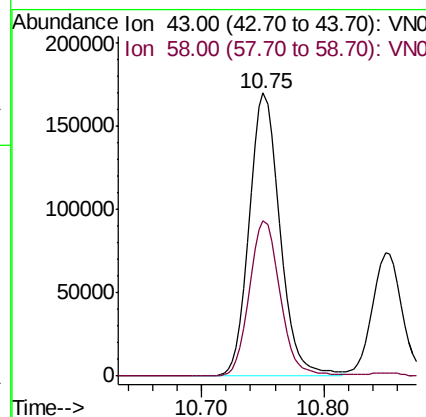
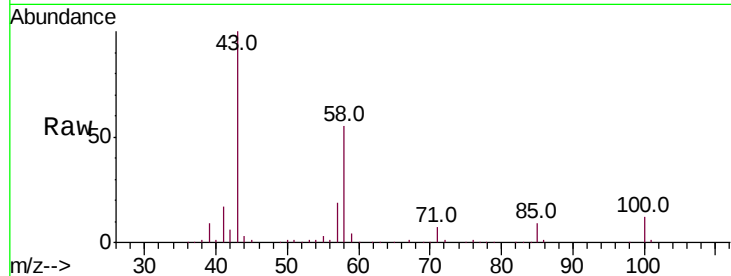
58 55.4 28.3 85.0

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#60

Dibromochloromethane

Concen: 20.851 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056860.D

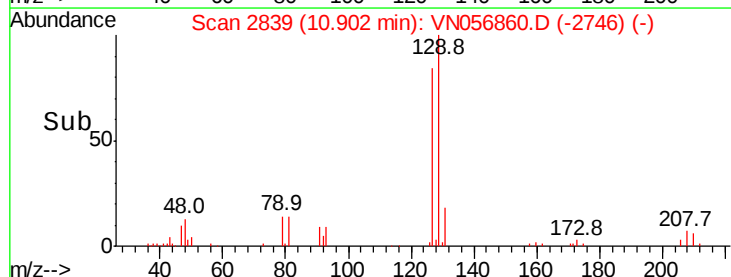
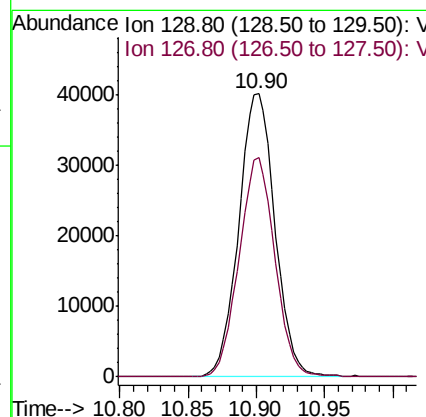
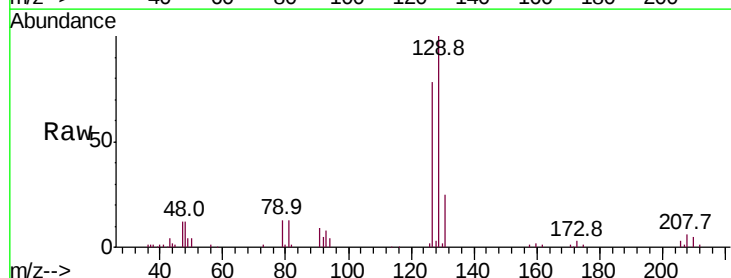
Acq: 22 Jul 2019 17:46

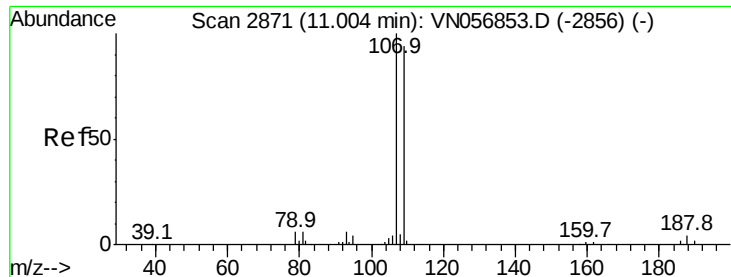
Tgt Ion: 129 Resp: 73991

Ion Ratio Lower Upper

129 100

127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.536 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion:107 Resp: 75637

Ion Ratio Lower Upper

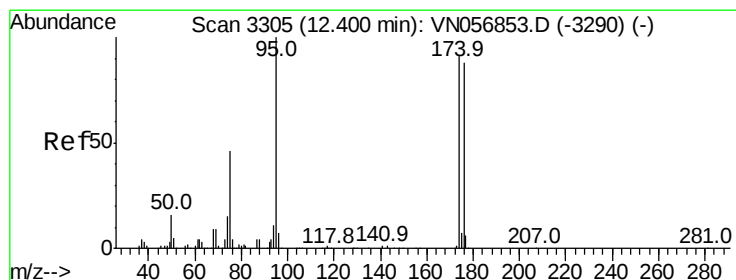
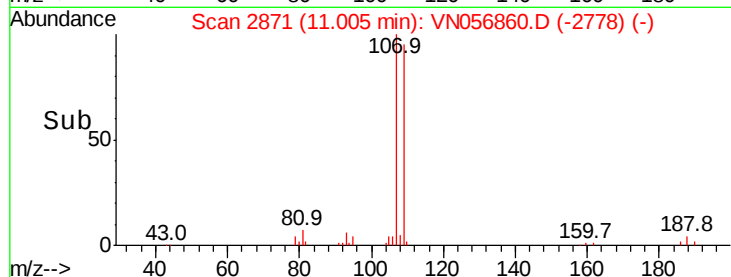
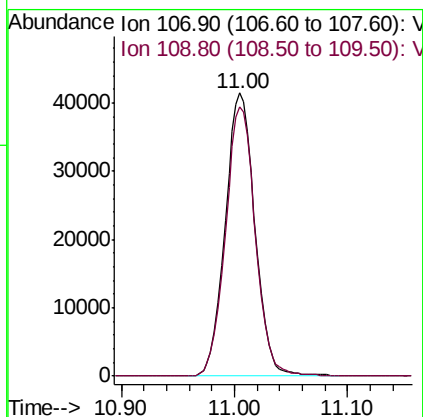
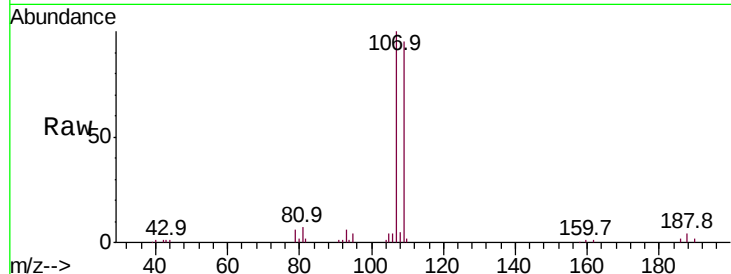
107 100

109 95.7 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.800 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

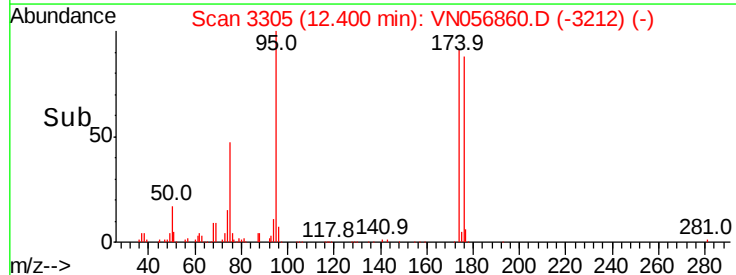
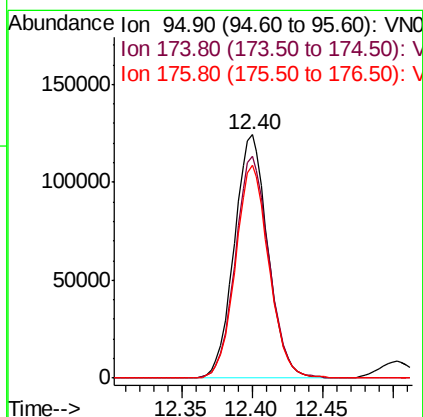
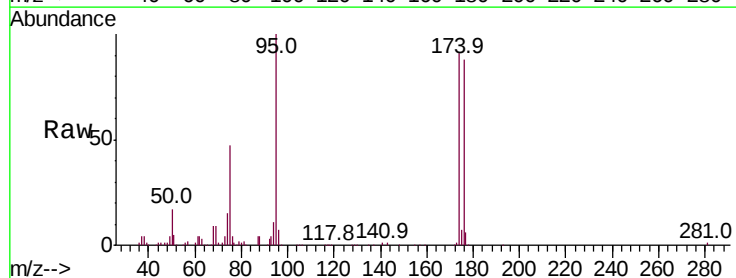
Tgt Ion: 95 Resp: 208366

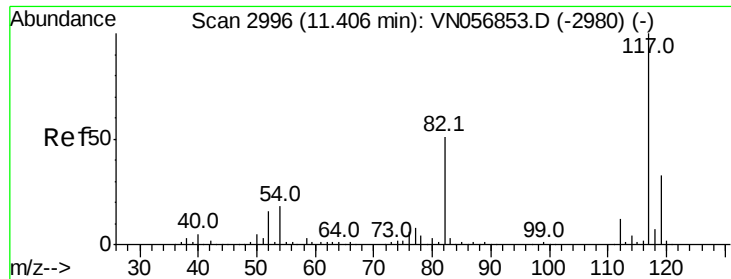
Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.4

176 86.7 0.0 175.8





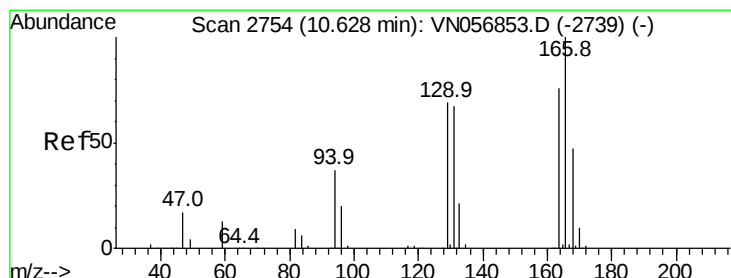
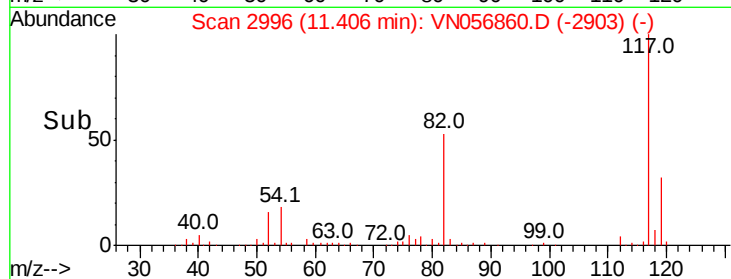
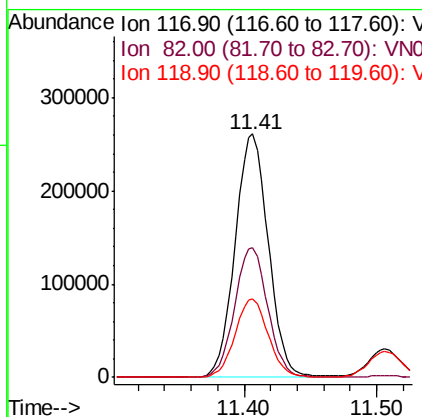
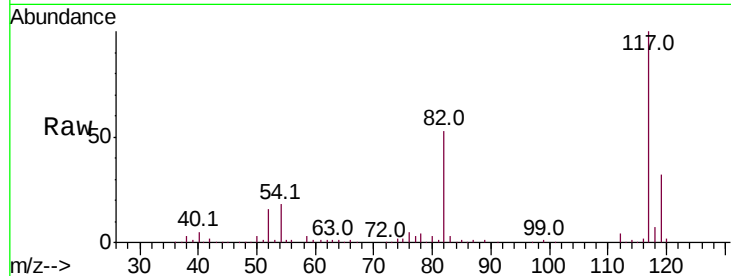
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.2	61.8
119	32.3	26.4	39.6

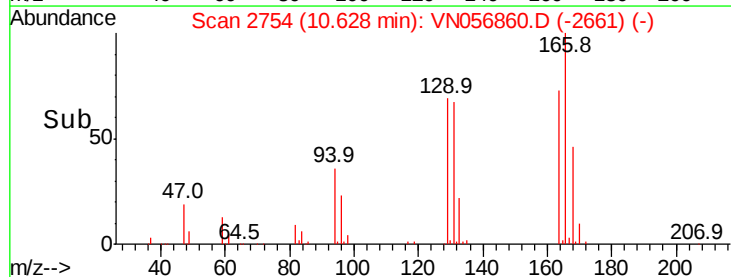
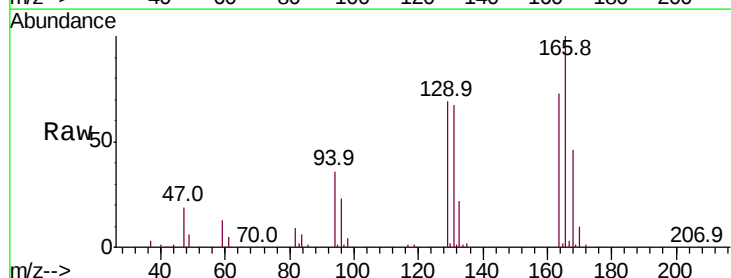
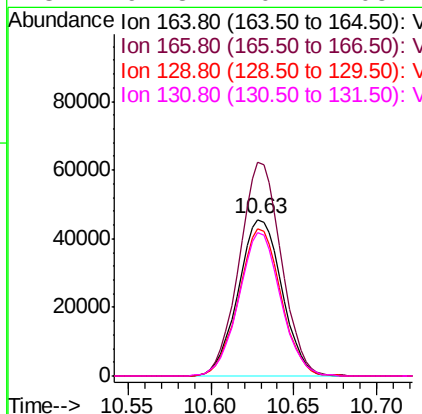
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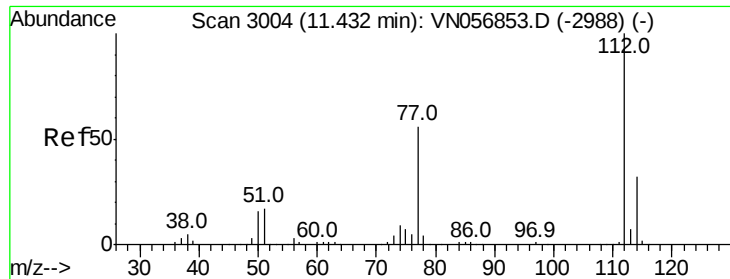
MMDadoda
7/25/2019 3:01:45 PM



#64
Tetrachloroethene
Concen: 21.392 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.2	104.9	157.3
129	93.7	72.8	109.2
131	91.8	70.2	105.2





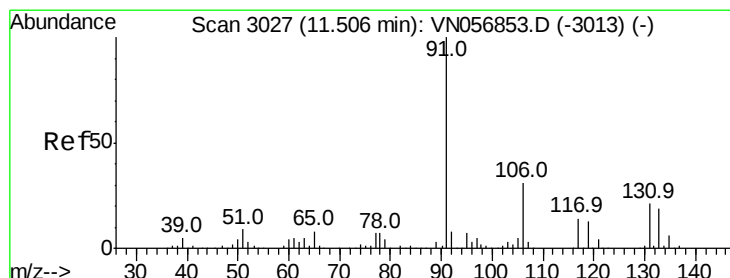
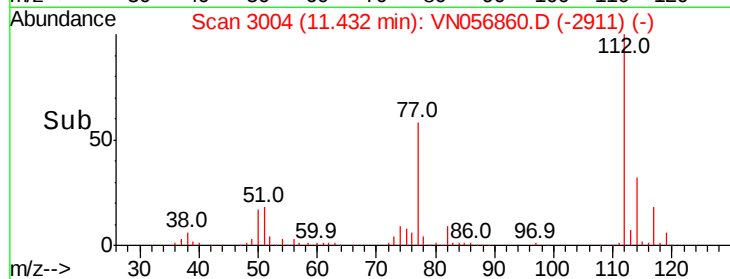
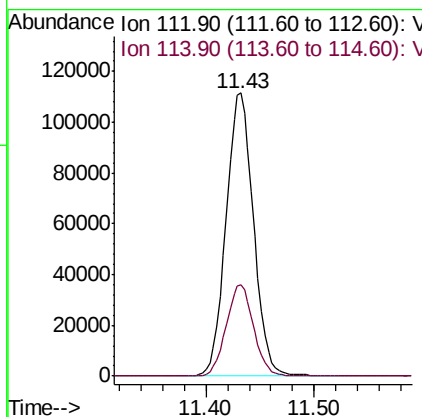
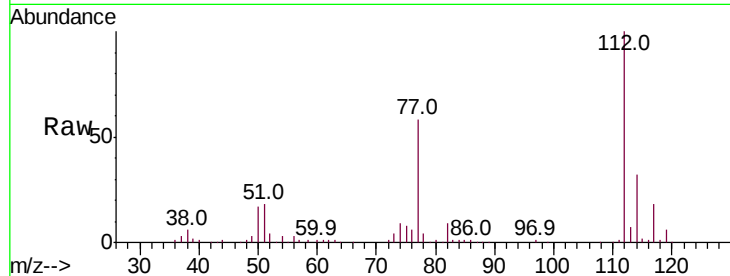
#65
Chlorobenzene
Concen: 20.884 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion:112 Resp: 197532
Ion Ratio Lower Upper
112 100
114 32.5 25.5 38.3

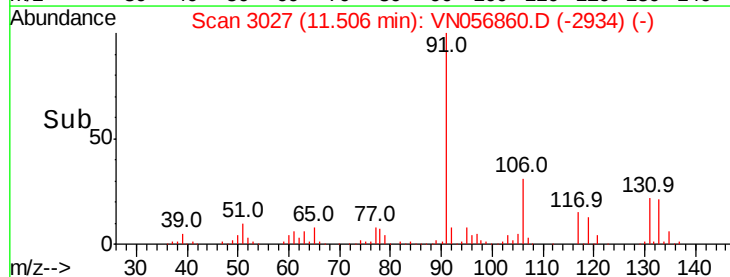
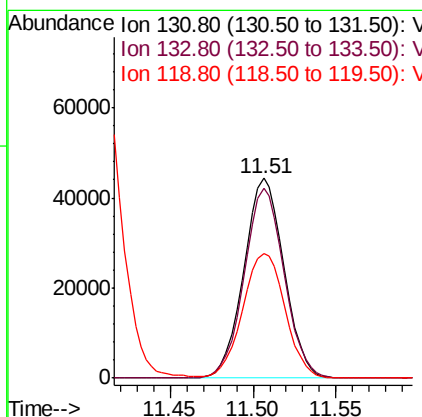
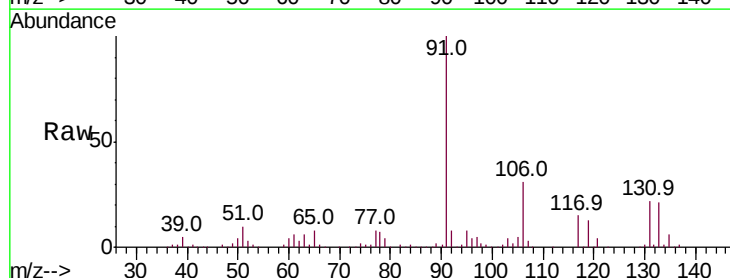
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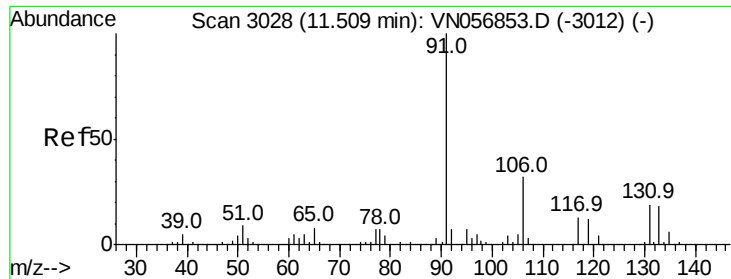
MMDadoda
7/25/2019 3:01:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.972 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion:131 Resp: 74782
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 66.0 33.1 99.5





#67

Ethyl Benzene

Concen: 21.259 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 91 Resp: 347119

Ion Ratio Lower Upper

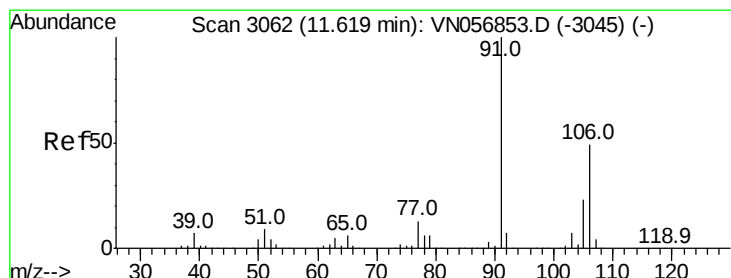
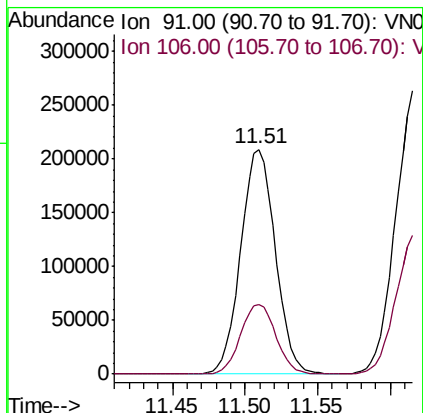
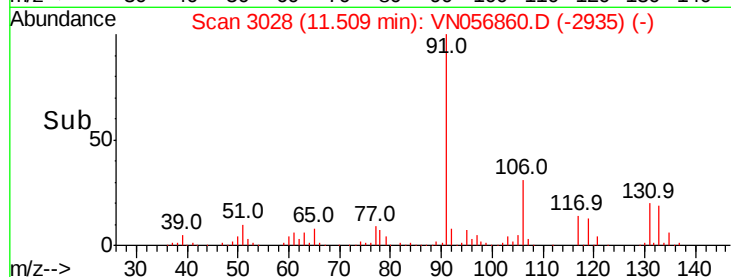
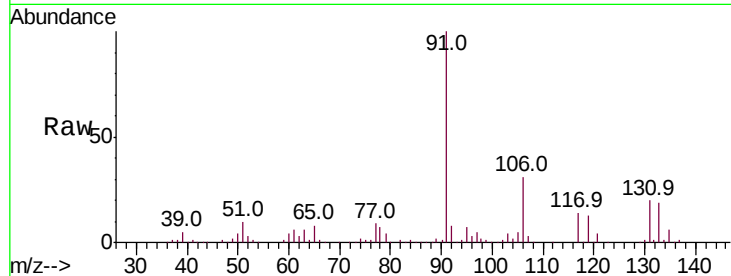
91 100

106 31.1 25.3 37.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.401 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056860.D

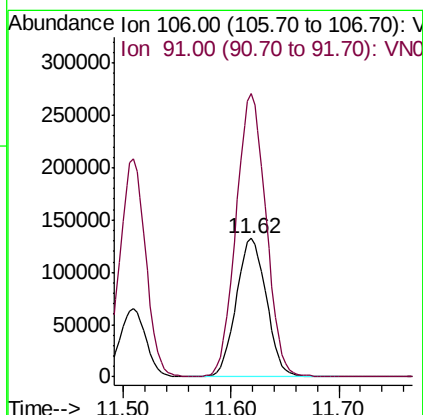
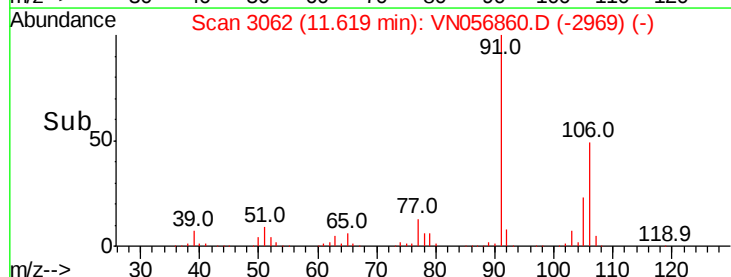
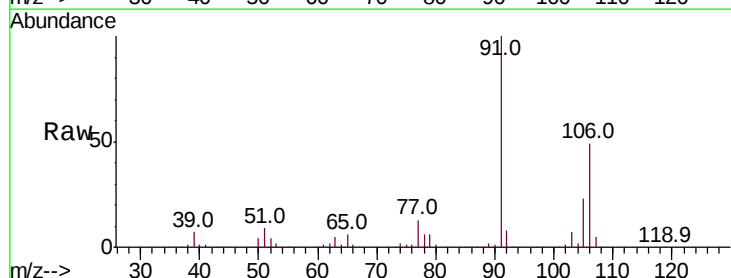
Acq: 22 Jul 2019 17:46

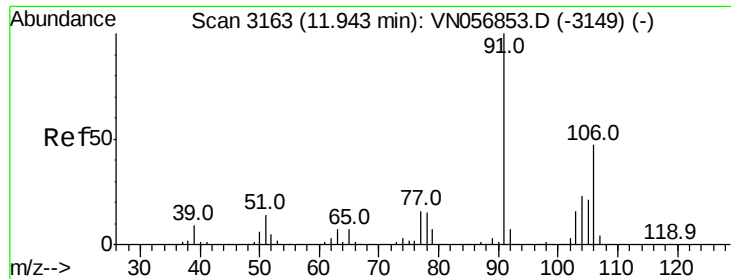
Tgt Ion: 106 Resp: 259189

Ion Ratio Lower Upper

106 100

91 202.9 160.5 240.7





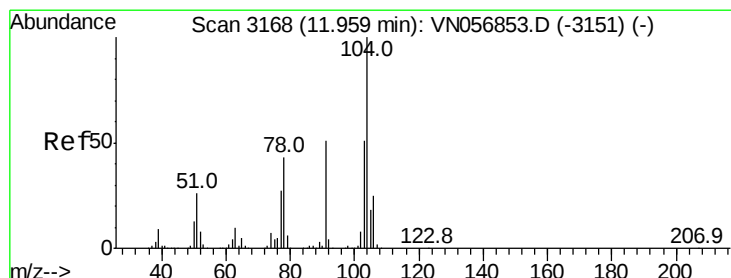
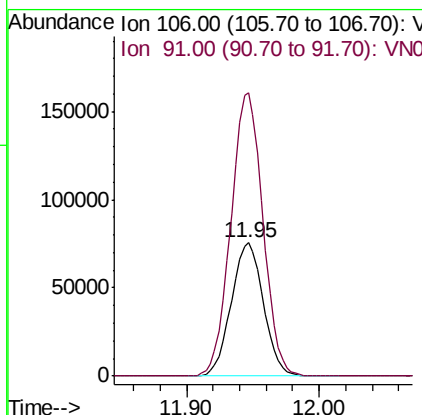
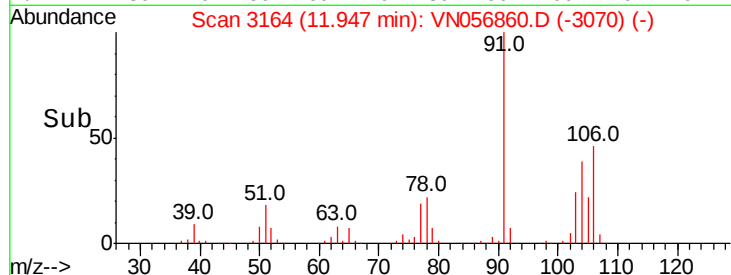
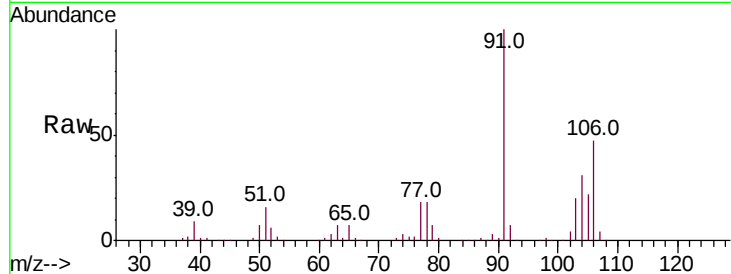
#69
o-Xylene
Concen: 21.359 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion:106 Resp: 127459
Ion Ratio Lower Upper
106 100
91 211.2 105.1 315.3

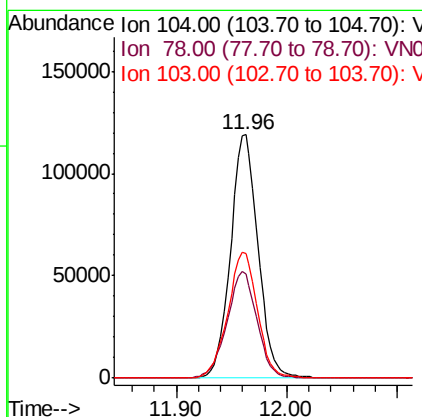
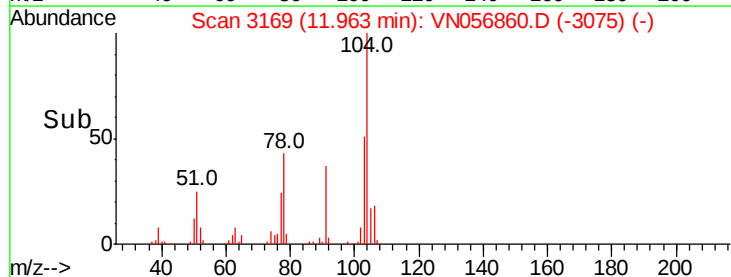
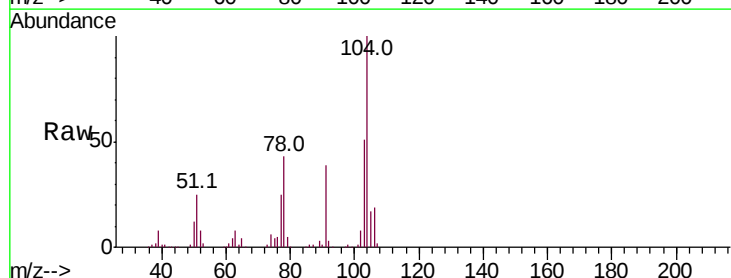
Manual Integrations
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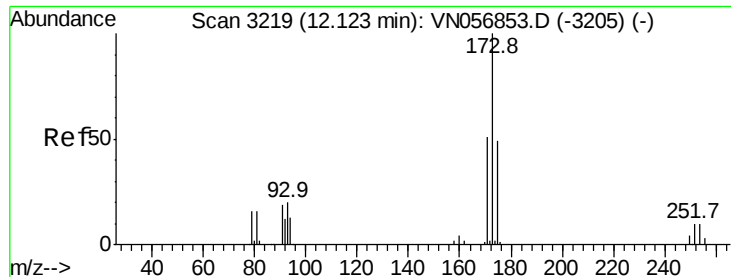
MMDadoda
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#70
Styrene
Concen: 20.004 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion:104 Resp: 206178
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.8 44.2 66.4





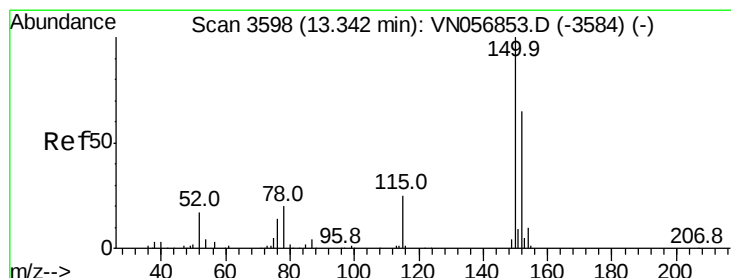
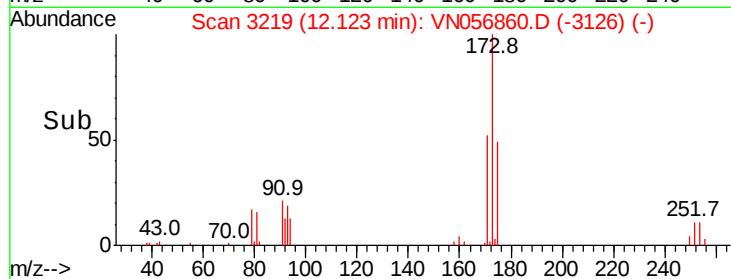
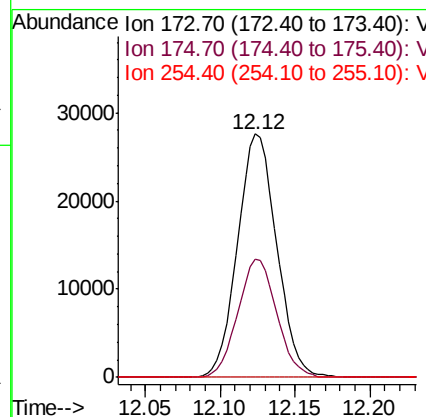
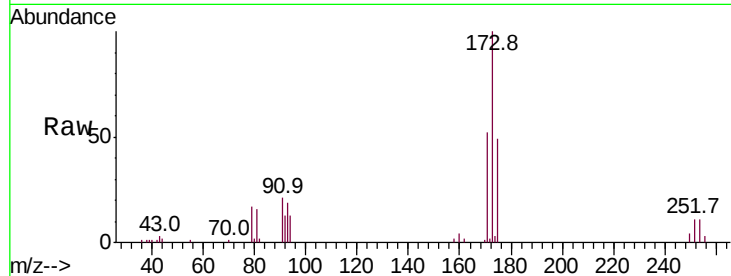
#71
Bromoform
Concen: 20.342 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.0	0.0	0.0

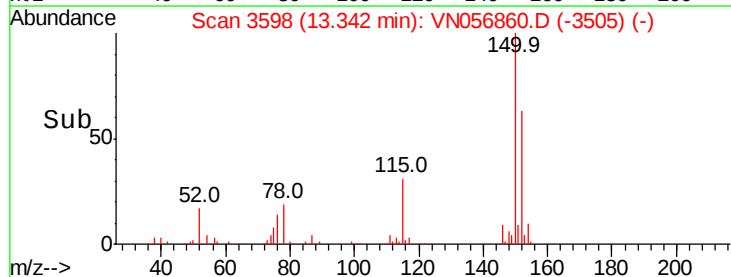
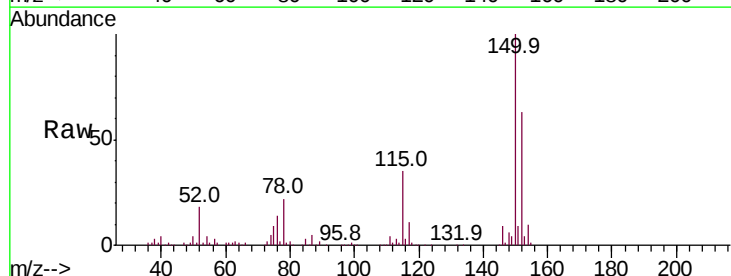
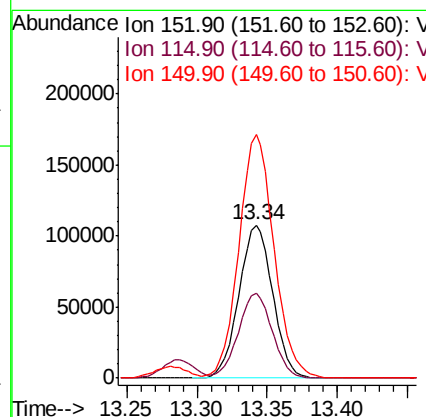
Manual Integrations
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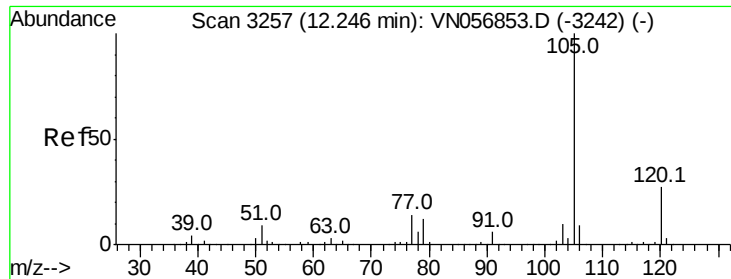
MMDadoda
7/25/2019 3:01:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.7
150	165.4	0.0	343.0





#73

Isopropylbenzene

Concen: 22.722 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion:105 Resp: 338915

Ion Ratio Lower Upper

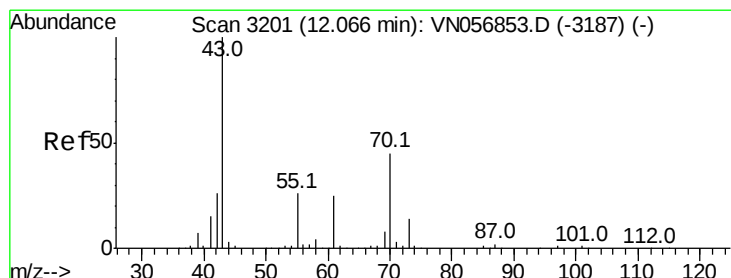
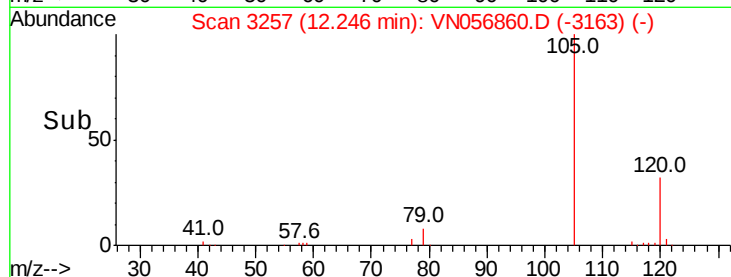
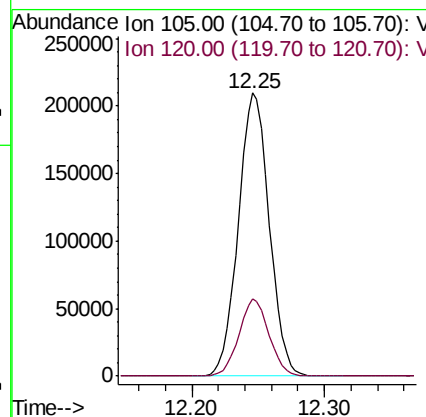
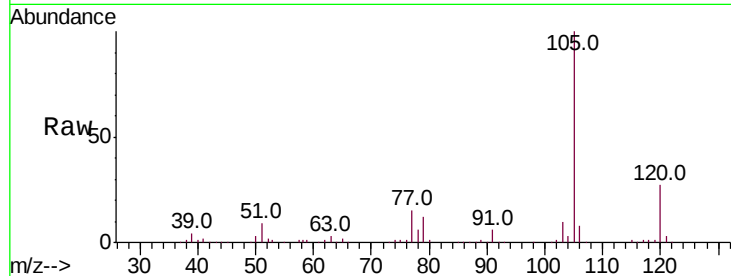
105 100

120 26.5 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

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#74

N-ethyl acetate

Concen: 20.859 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion: 43 Resp: 110446

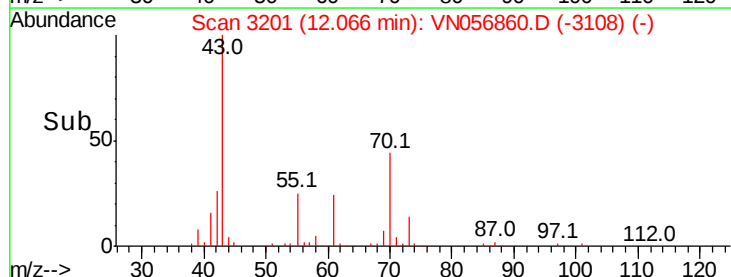
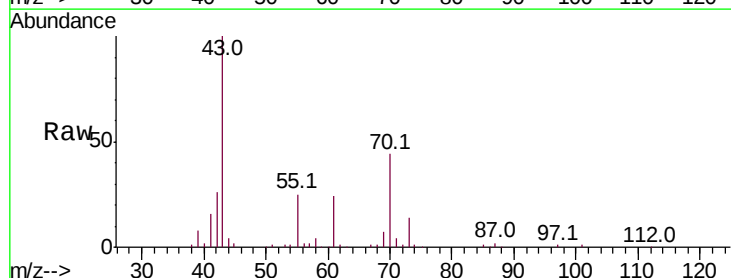
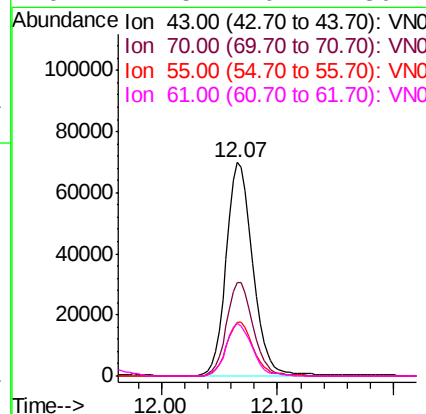
Ion Ratio Lower Upper

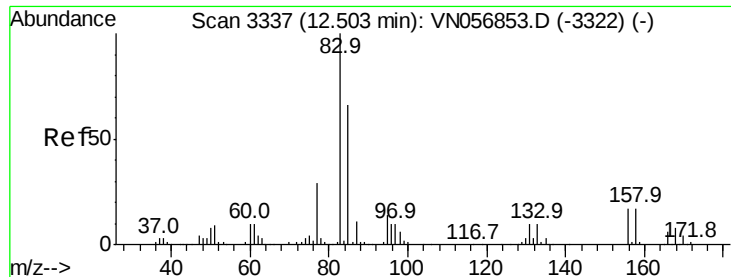
43 100

70 44.2 35.3 52.9

55 25.8 20.6 31.0

61 24.5 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.732 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

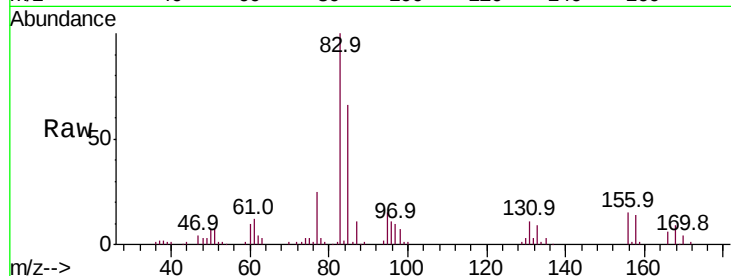
ClientSampleId :

VN0722WBSD01

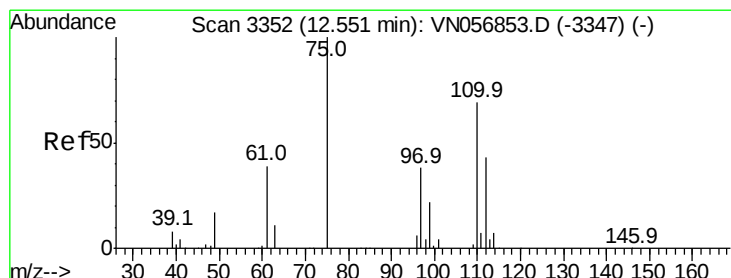
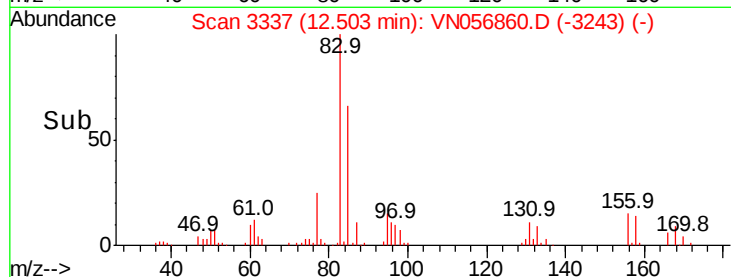
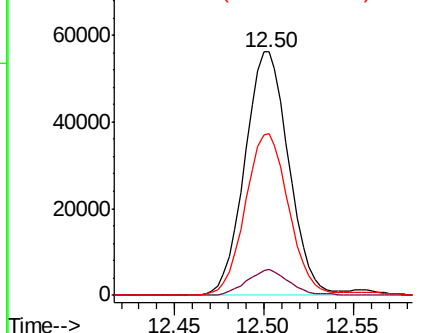
Tot Ion:	83	Resp:	96681
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	65.7	32.8	98.3

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 22.669 ug/l m

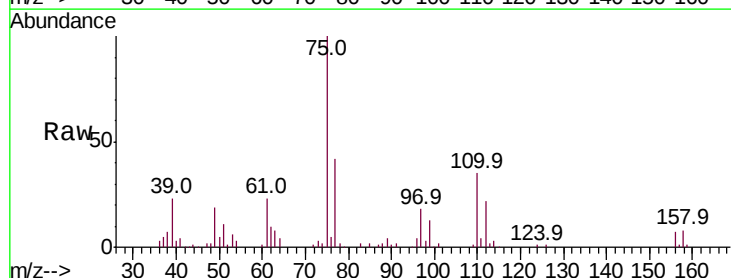
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

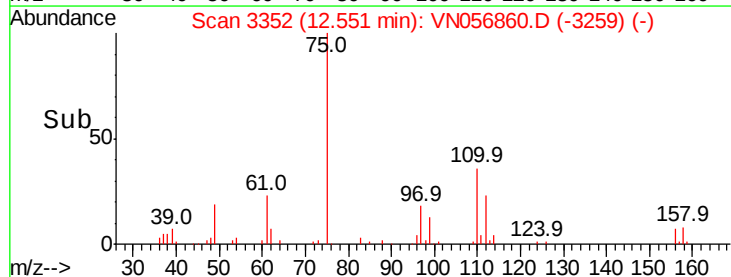
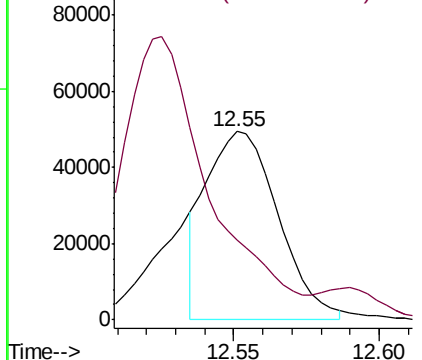
Lab File: VN056860.D

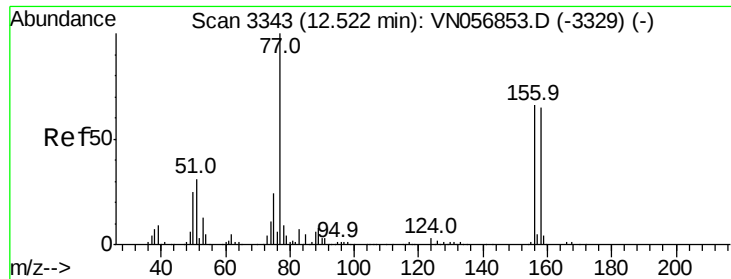
Acq: 22 Jul 2019 17:46

Tgt Ion:	75	Resp:	84724
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.719 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

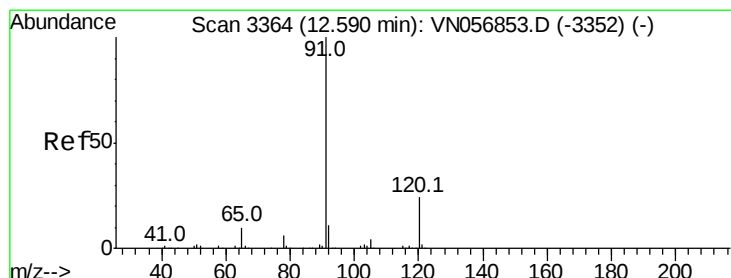
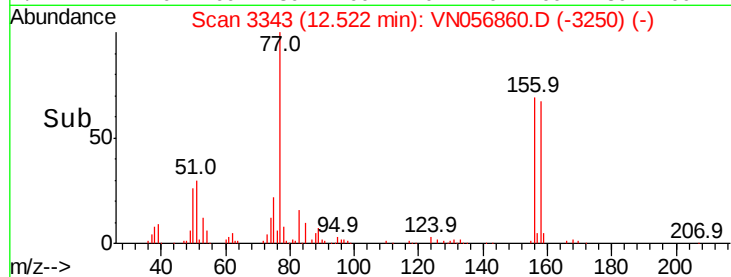
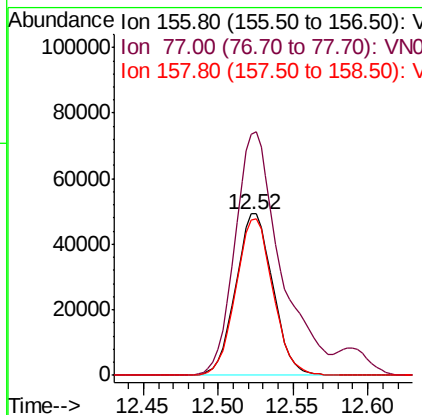
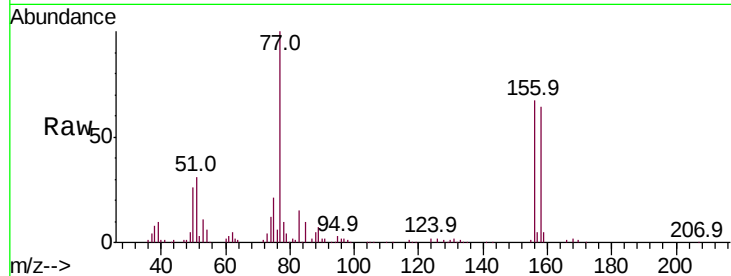
ClientSampleId :

VN0722WBSD01

Tot Ion:156 Resp: 85435
 Ion Ratio Lower Upper
 156 100
 77 185.3 90.7 272.1
 158 96.8 48.5 145.5

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#78

n-propylbenzene

Concen: 21.695 ug/l

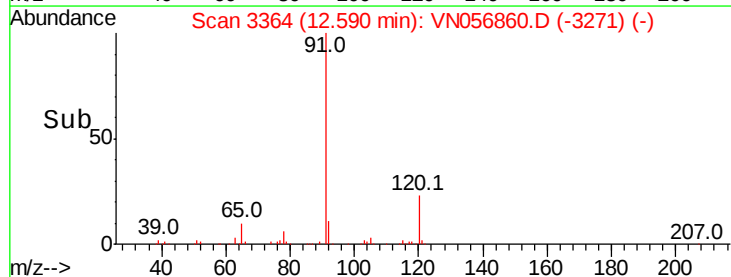
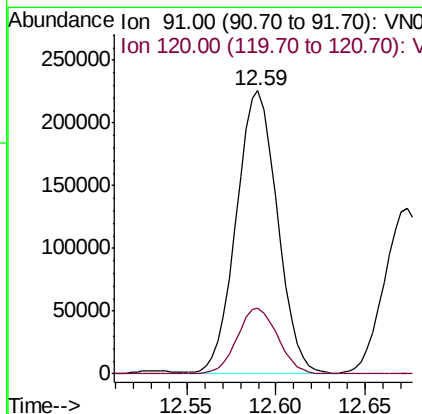
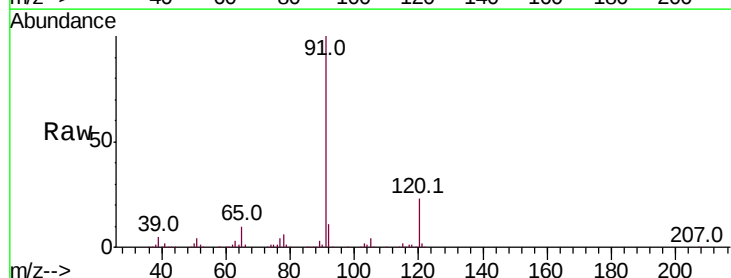
RT: 12.59 min Scan# 3364

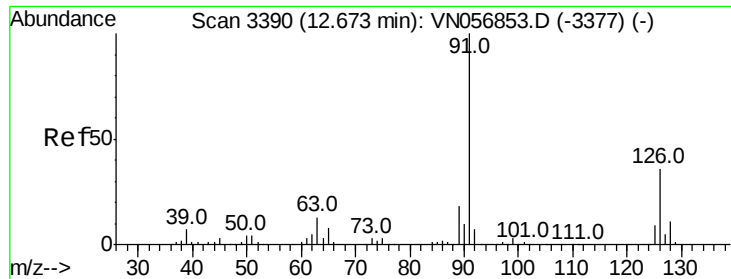
Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion: 91 Resp: 359626
 Ion Ratio Lower Upper
 91 100
 120 23.2 11.8 35.4





#79

2-Chlorotoluene

Concen: 22.582 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 91 Resp: 221650

Ion Ratio Lower Upper

91 100

126 35.7

17.8

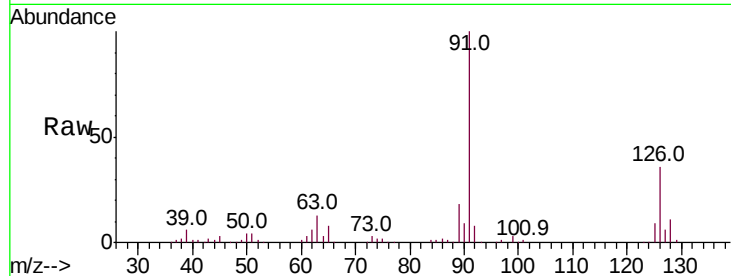
53.5

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Abundance Ion 91.00 (90.70 to 91.70): VN056853.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056853.D (-3377) (-)

200000

150000

100000

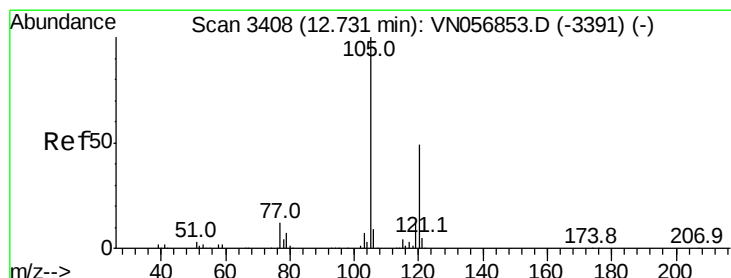
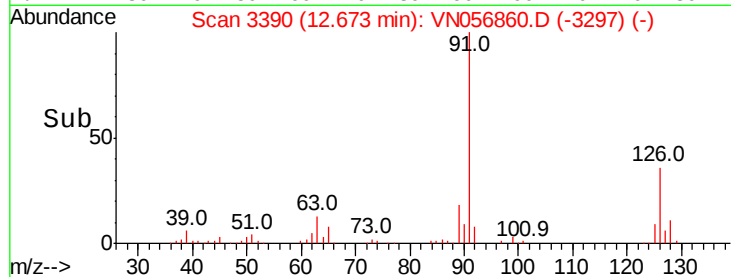
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.304 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion: 105 Resp: 280527

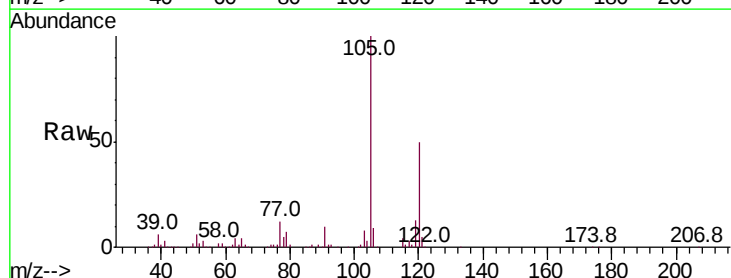
Ion Ratio Lower Upper

105 100

120 49.3

24.7

74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056853.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056853.D (-3391) (-)

200000

150000

100000

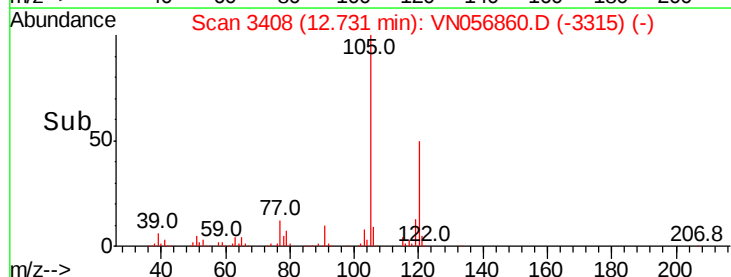
50000

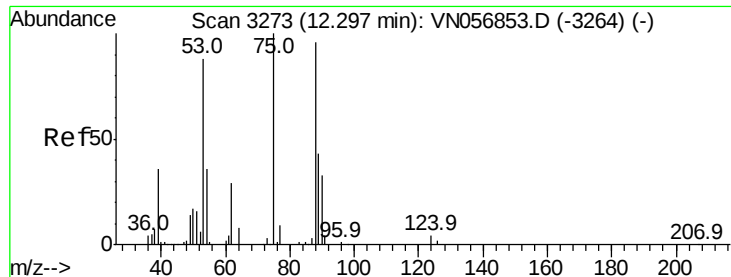
0

12.70 12.75

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.418 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion: 75 Resp: 24993

Ion Ratio Lower Upper

75 100

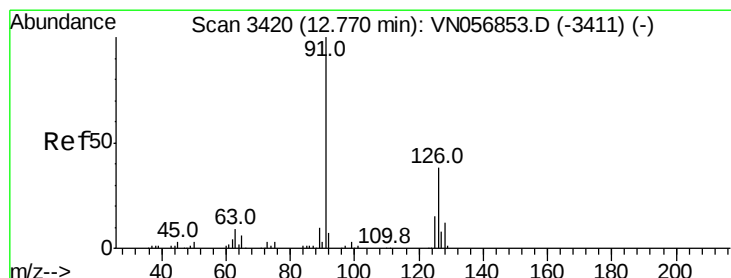
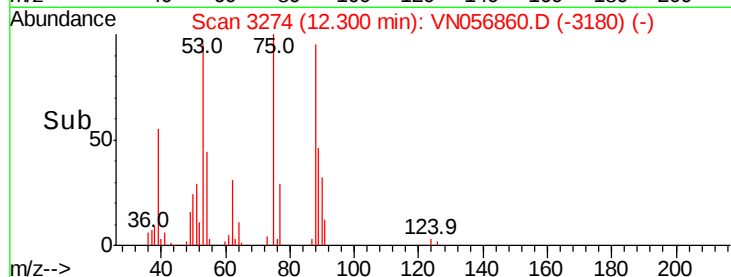
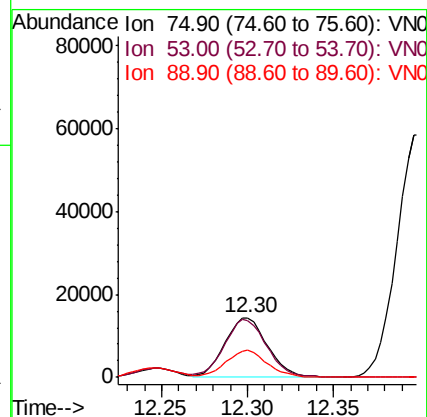
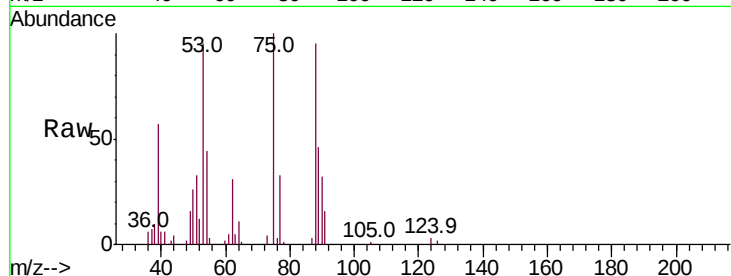
53 96.3 72.3 108.5

89 43.6 36.2 54.4

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#82

4-Chlorotoluene

Concen: 20.934 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056860.D

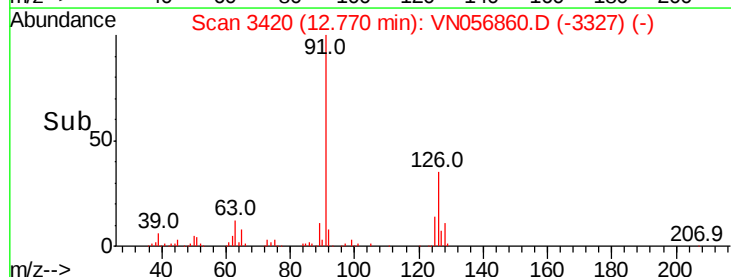
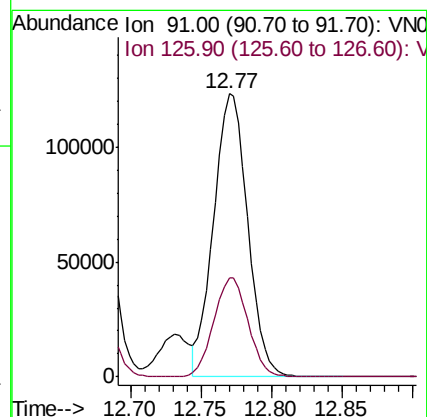
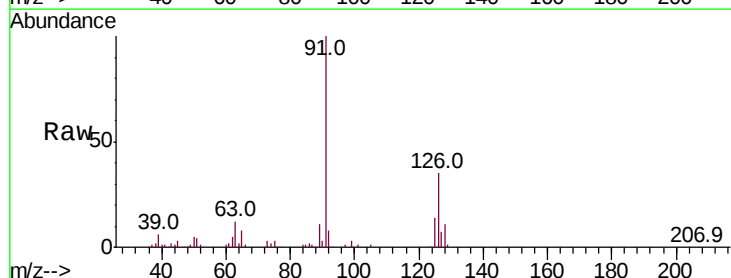
Acq: 22 Jul 2019 17:46

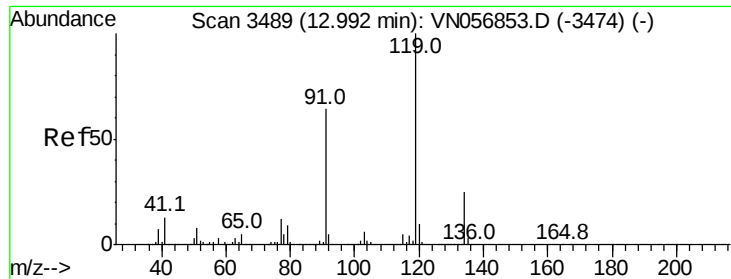
Tgt Ion: 91 Resp: 206448

Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0





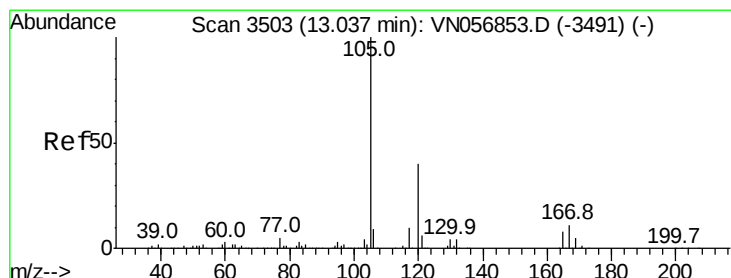
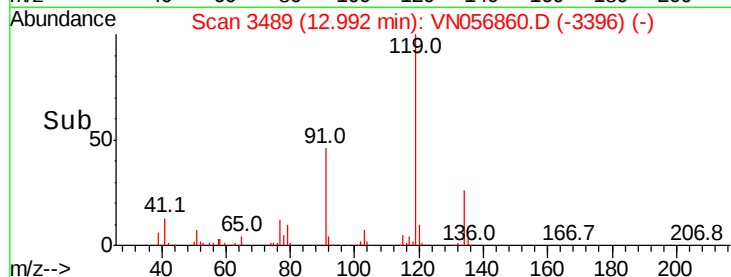
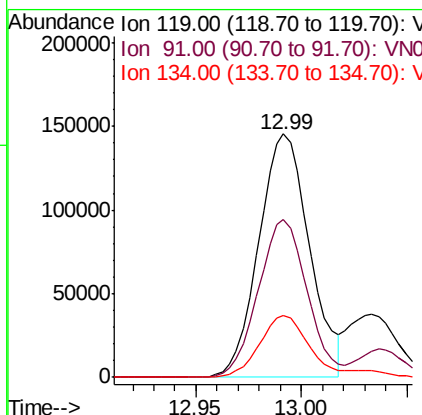
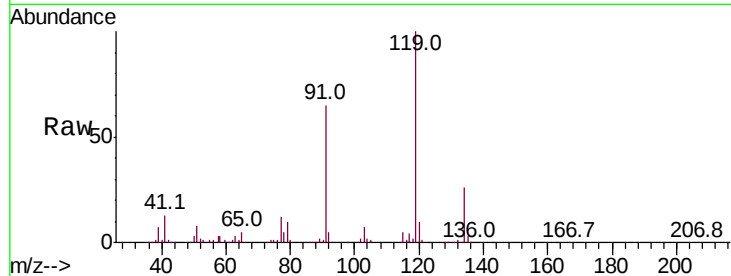
#83
tert-Butylbenzene
Concen: 22.419 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	243468		
91	62.7	31.5	94.5	
134	24.5	12.2	36.6	

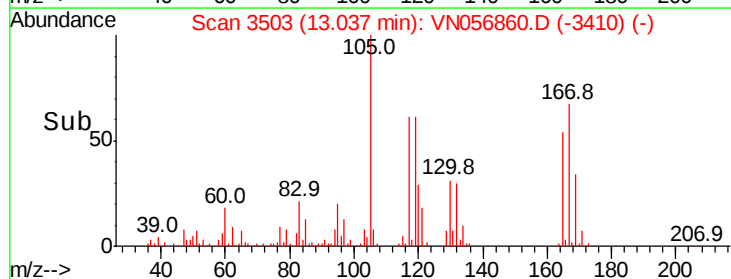
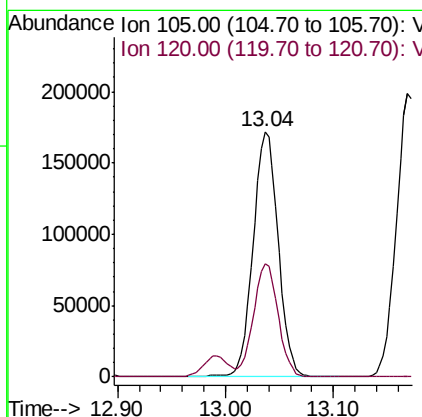
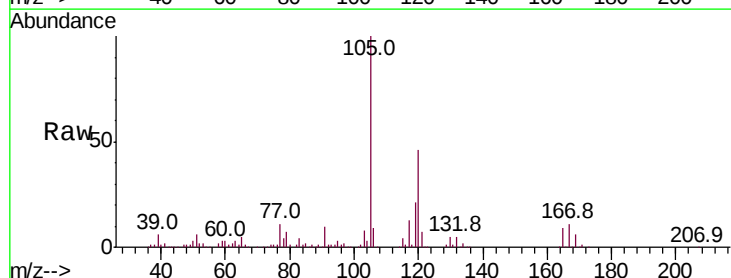
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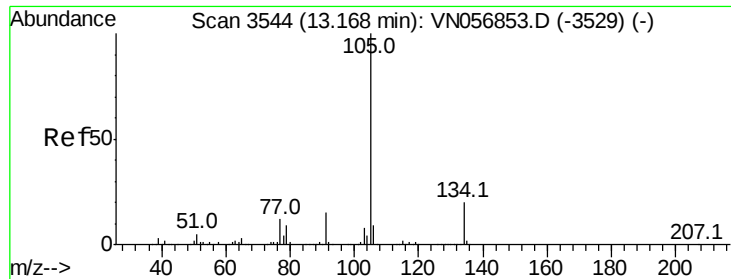
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#84
1,2,4-Trimethylbenzene
Concen: 22.153 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056860.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276770		
120	45.7	23.2	69.5	





#85

sec-Butylbenzene

Concen: 21.422 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

ClientSampleId :

VN0722WBSD01

Tot Ion:105 Resp: 314518

Ion Ratio Lower Upper

105 100

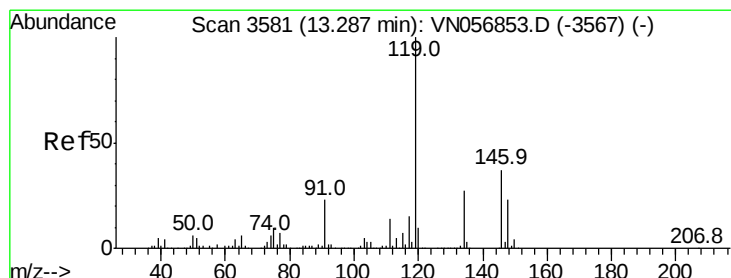
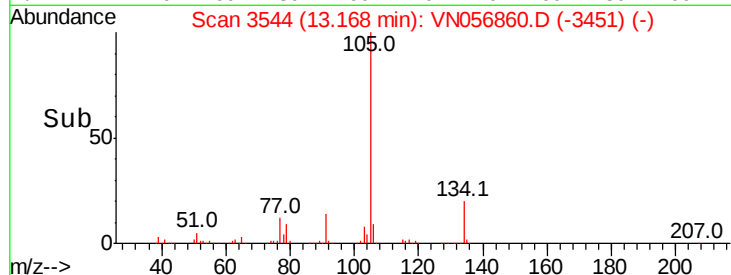
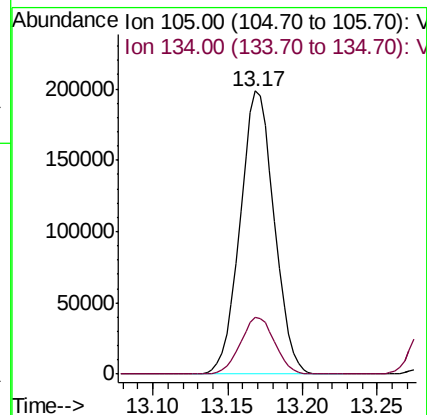
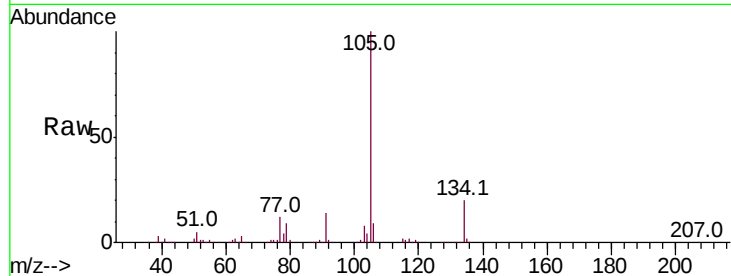
134 20.1 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 21.405 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

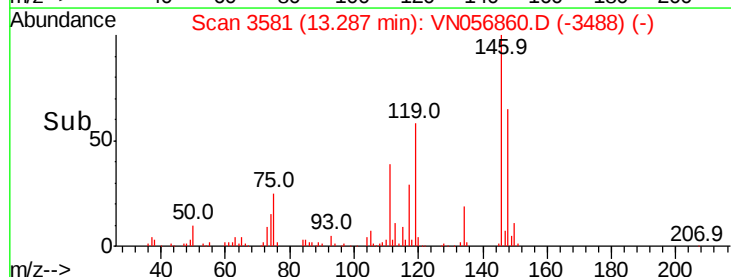
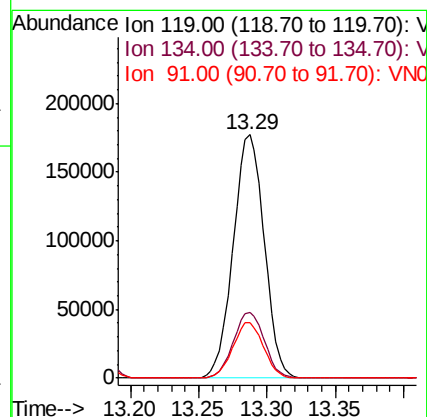
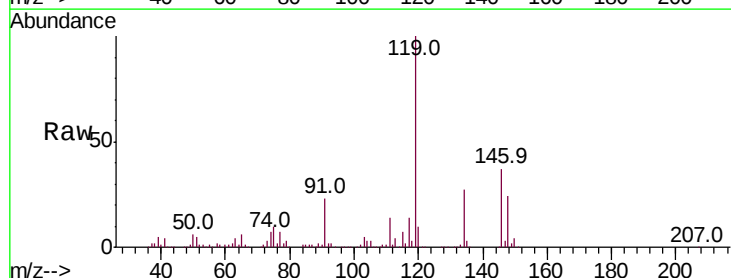
Tgt Ion:119 Resp: 279968

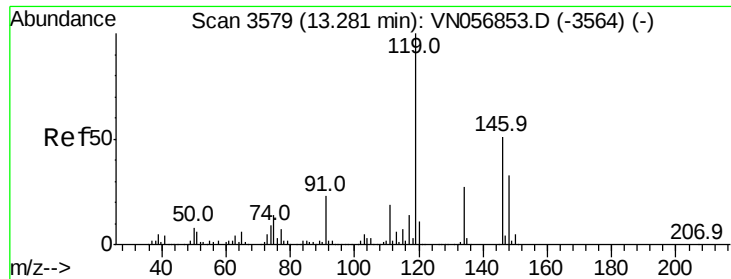
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 22.5 11.3 33.8





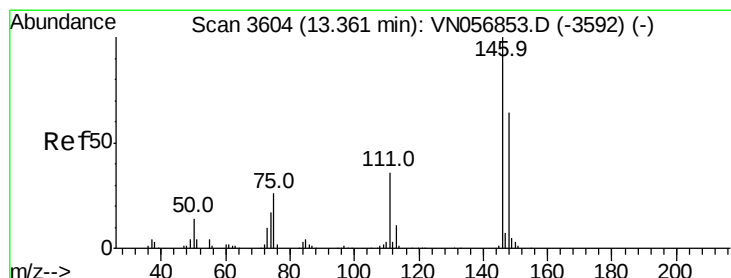
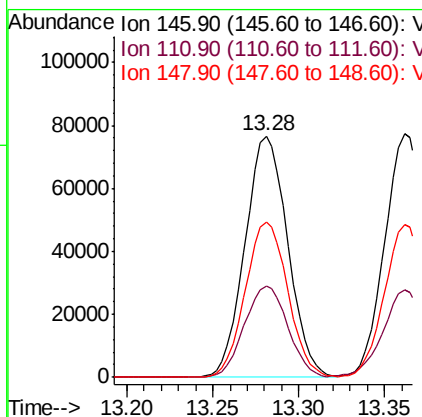
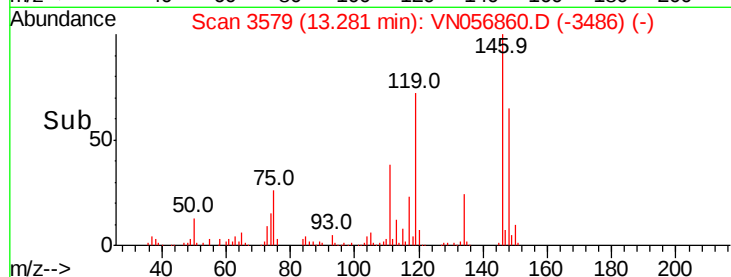
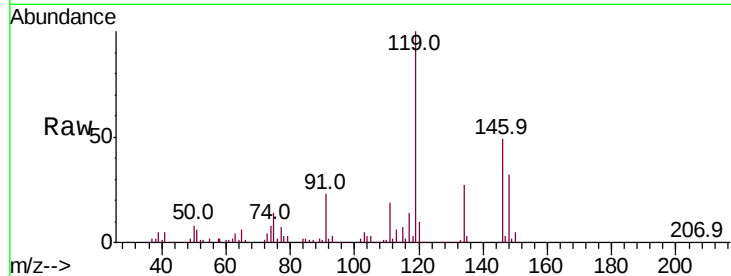
#87
 1,3-Dichlorobenzene
 Concen: 20.930 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	64.3	32.1	96.3

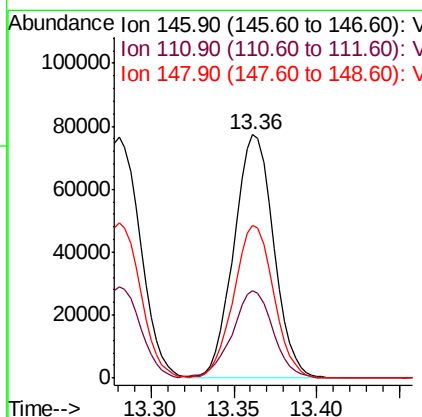
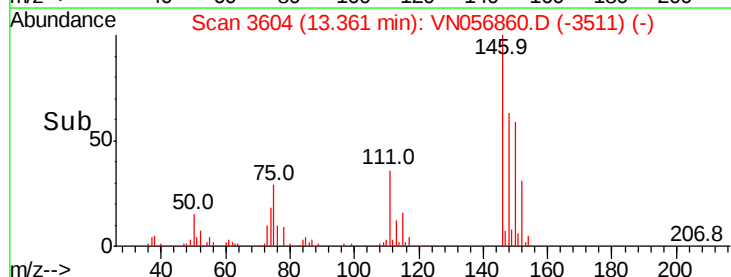
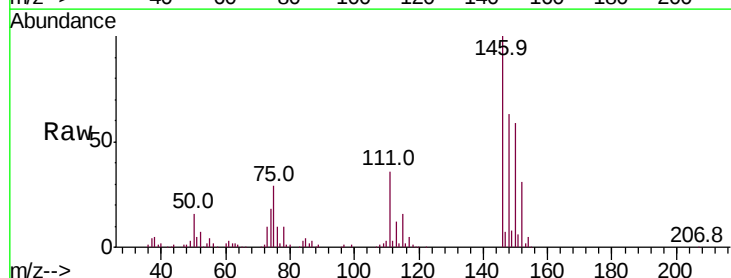
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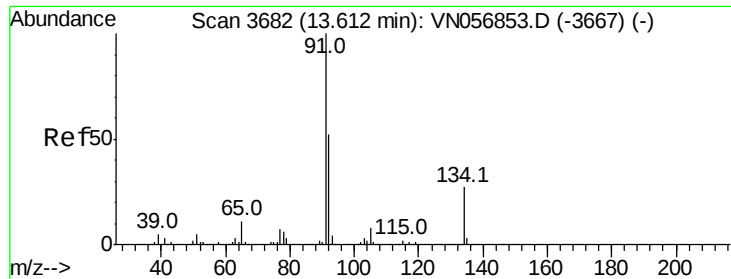
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#88
 1,4-Dichlorobenzene
 Concen: 21.043 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.3	54.9
148	63.3	32.1	96.3





#89

n-Butylbenzene

Concen: 21.322 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

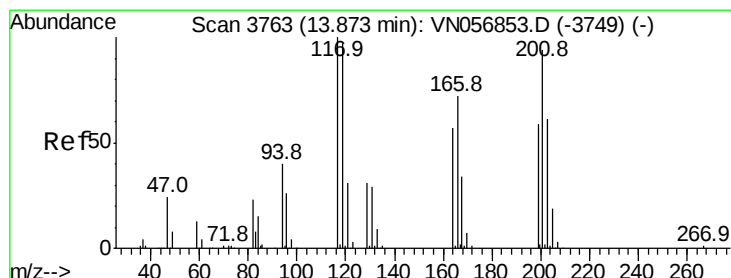
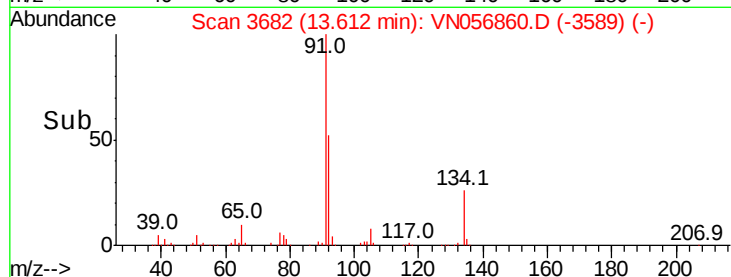
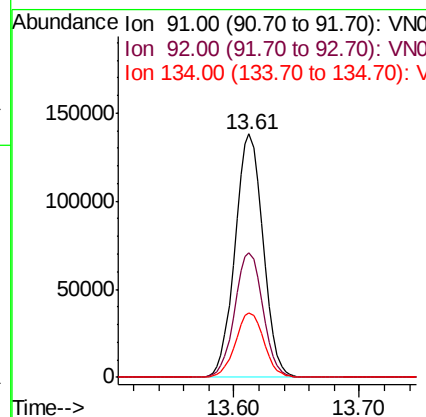
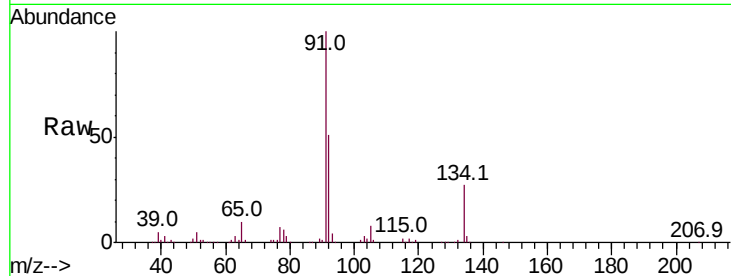
ClientSampleId :

VN0722WBSD01

Tot Ion:	91	Resp:	214418
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.0	78.0
134	26.9	13.3	39.9

Manual Integrations
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#90

Hexachloroethane

Concen: 20.684 ug/l

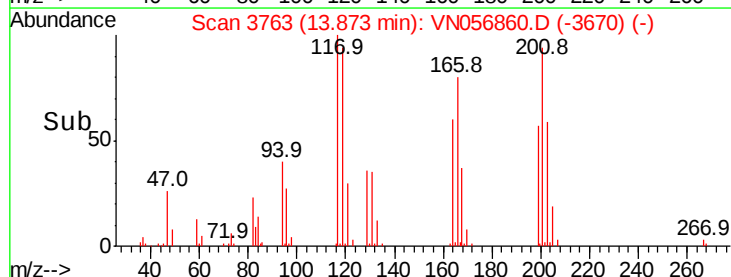
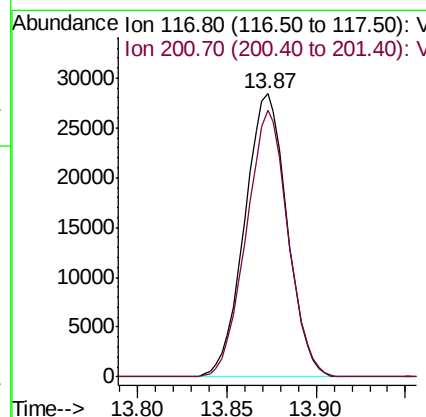
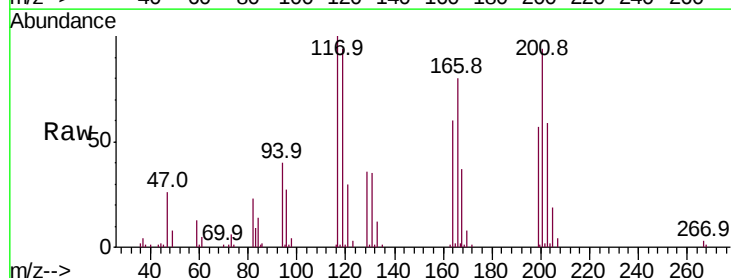
RT: 13.87 min Scan# 3763

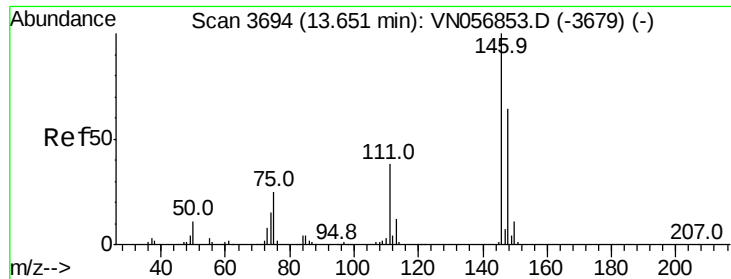
Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	117	Resp:	47232
Ion Ratio	Lower	Upper	
117	100		
201	92.3	47.1	141.3





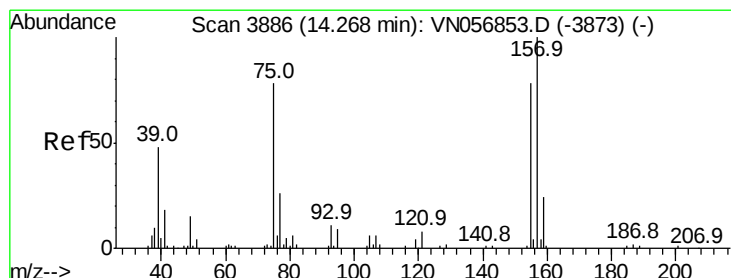
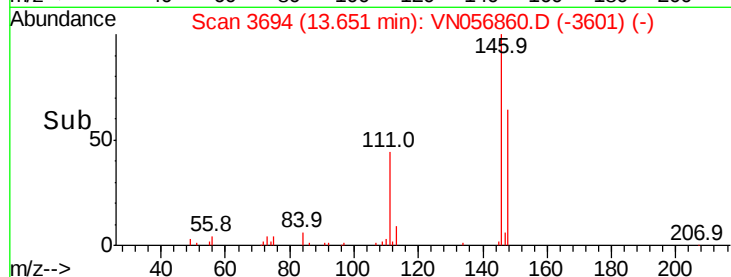
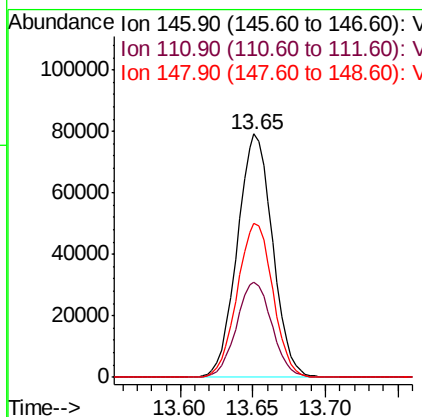
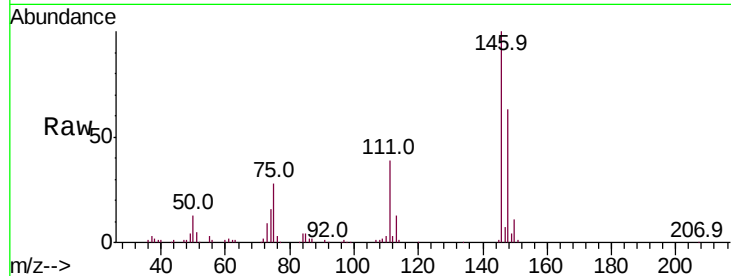
#91
 1,2-Dichlorobenzene
 Concen: 21.117 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.5
148	63.8	32.1	96.5

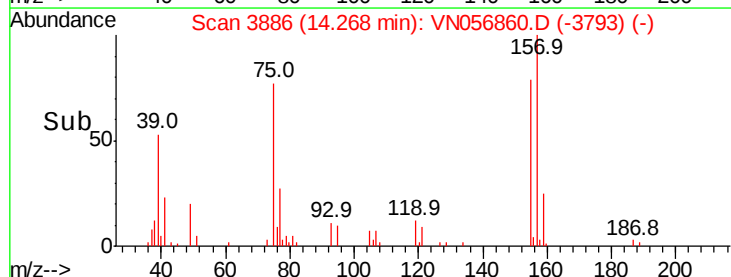
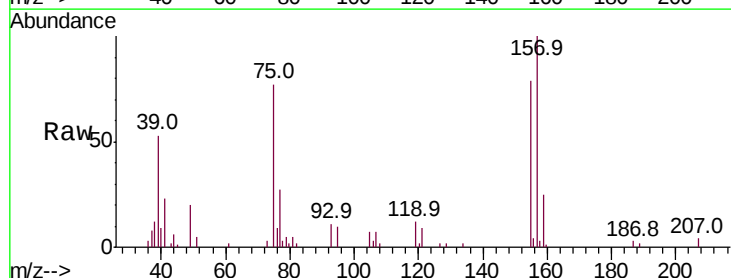
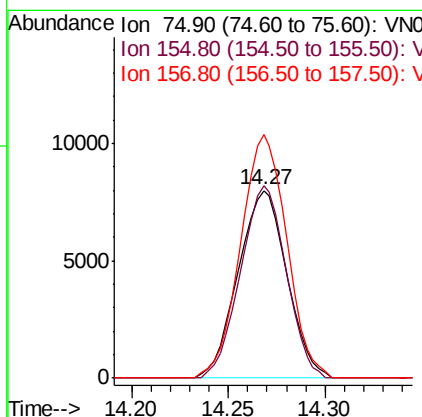
Manual Integrations
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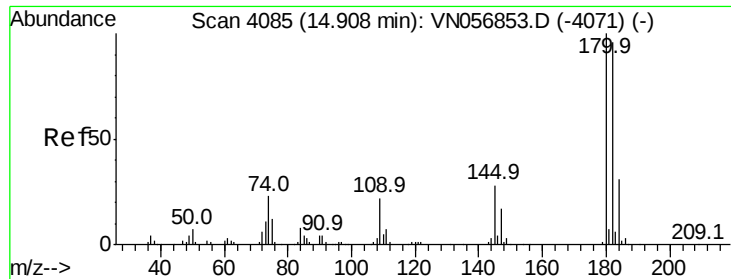
MMDadoda
 7/25/2019 3:01:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.295 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	49.9	149.6
157	122.9	64.8	194.4





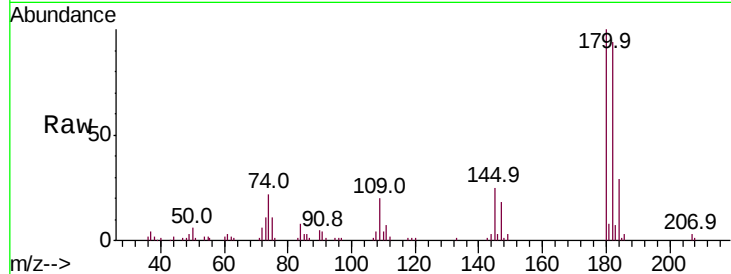
#93
 1,2,4-Trichlorobenzene
 Concen: 18.478 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

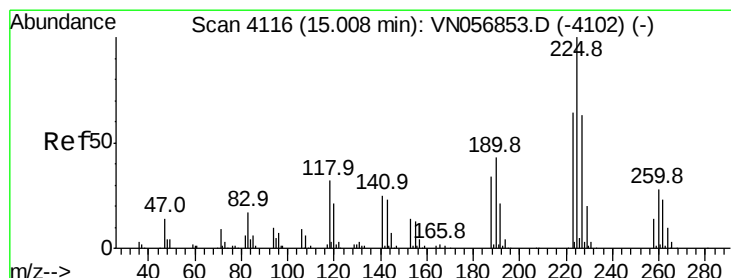
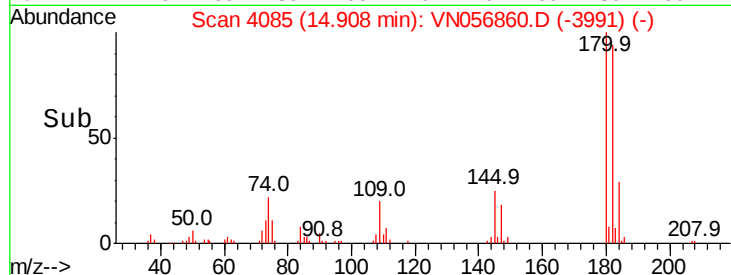
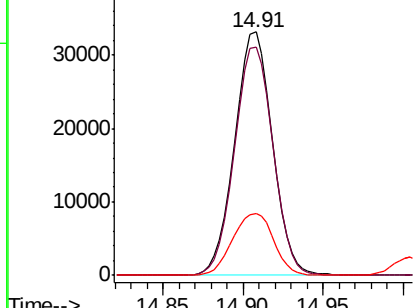
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	27.5	14.1	42.3

Manual Integrations
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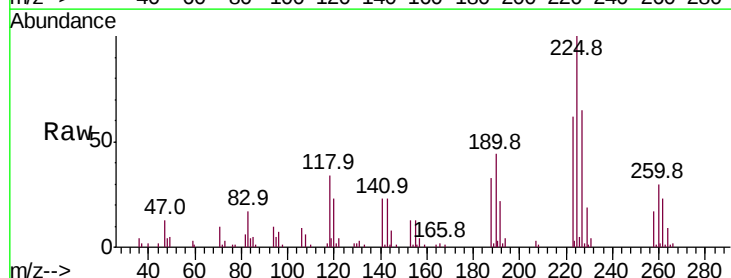


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

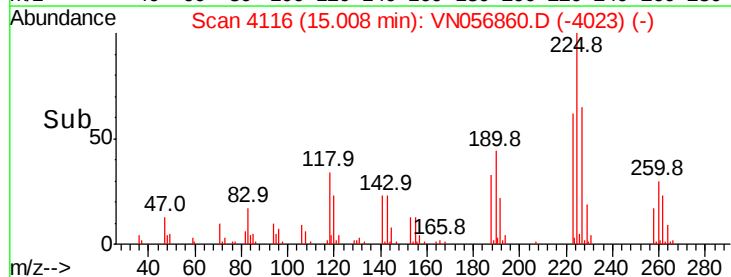
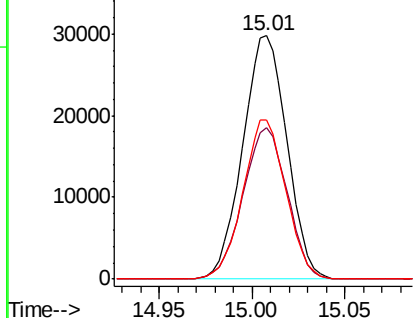


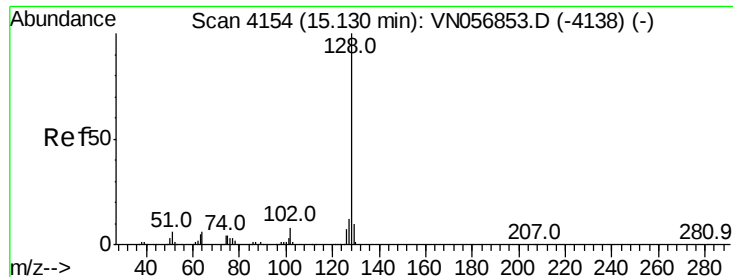
#94
 Hexachlorobutadiene
 Concen: 21.831 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056860.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	63.6	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: 17.931 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_N

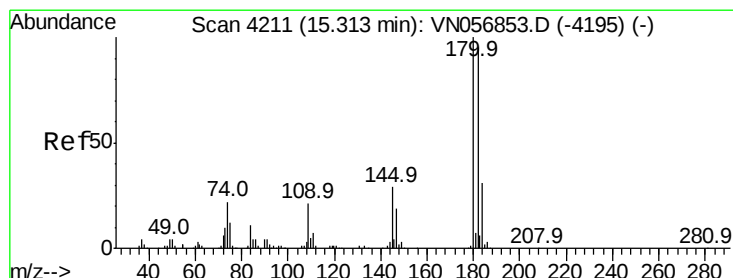
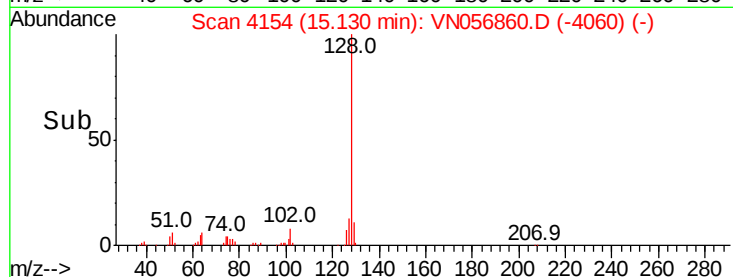
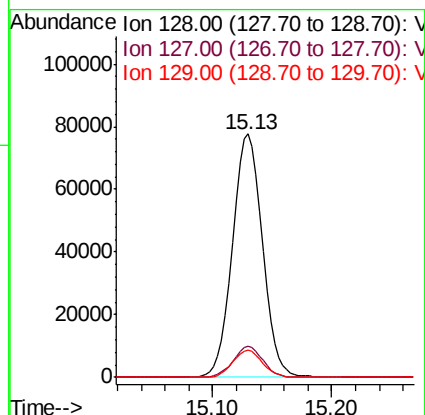
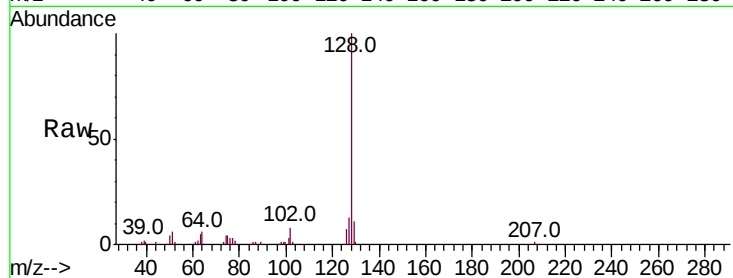
ClientSampleId :

VN0722WBSD01

Tot Ion:	128	Resp:	135357
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	11.0	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.969 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056860.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	180	Resp:	60369
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.3
145	30.6	14.7	44.1

