

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063022\
 Data File : VN073262.D
 Acq On : 30 Jun 2022 13:46
 Operator : JC\MD
 Sample : N340915DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 01 08:07:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

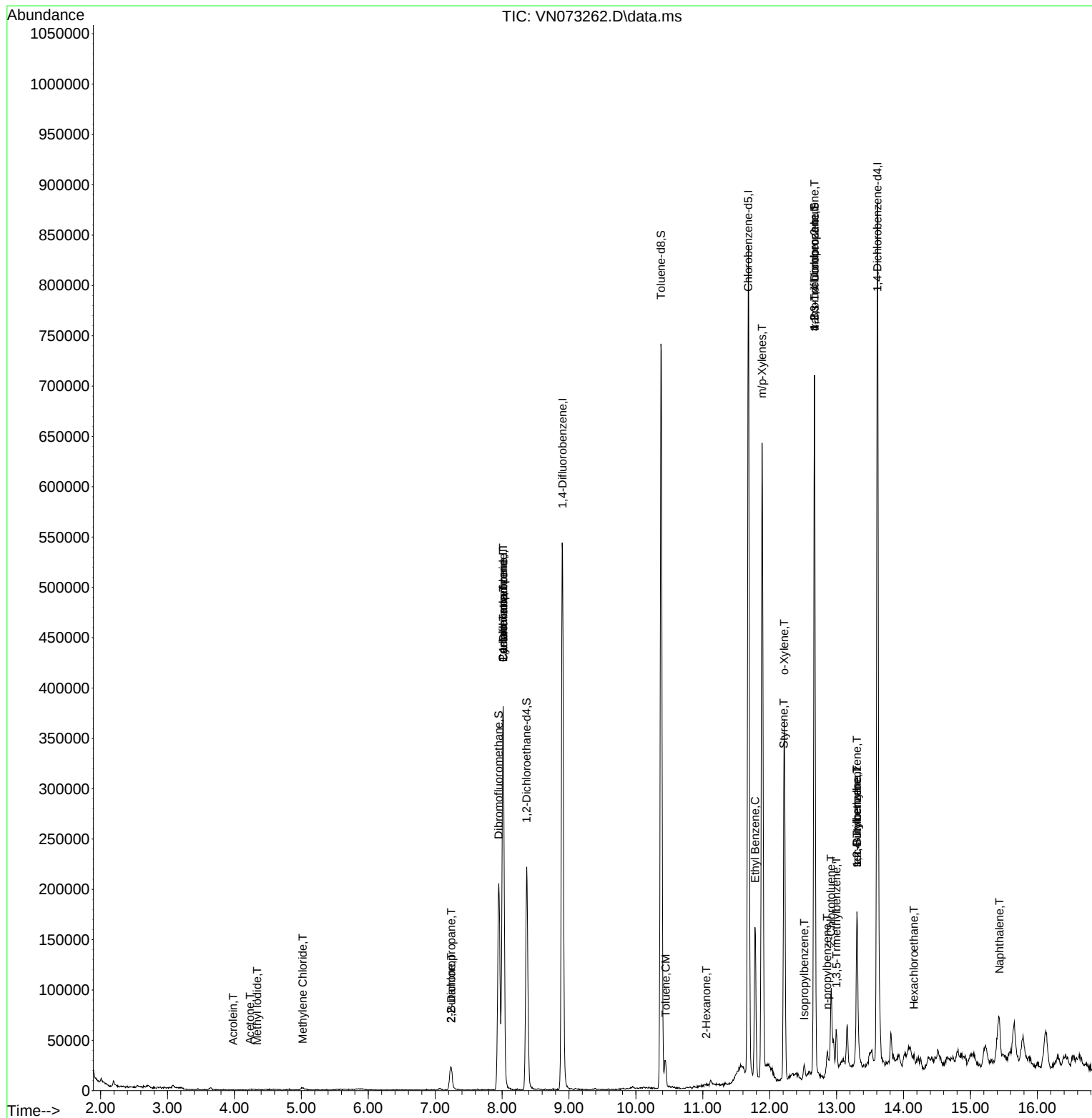
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	291681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	485757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	464797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	227314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	184090	43.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.440%
35) Dibromofluoromethane	7.951	113	152612	47.222	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.440%
50) Toluene-d8	10.374	98	515432	44.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.800%
62) 4-Bromofluorobenzene	12.668	95	237885	53.929	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.860%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.340	142	55	3.747	ug/l #	44
13) Acrolein	3.981	56	129	0.200	ug/l #	82
16) Acetone	4.234	43	1894	0.801	ug/l #	42
20) Methylene Chloride	5.022	84	1523	0.367	ug/l #	62
25) 2-Butanone	7.239	43	1446	0.384	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	1859	0.288	ug/l #	53
31) Cyclohexane	8.016	56	7677	1.113	ug/l #	50
36) 1,1-Dichloropropene	8.016	75	24372	4.901	ug/l #	49
38) Carbon Tetrachloride	8.016	117	30943	6.017	ug/l #	15
52) Toluene	10.445	92	10486	1.106	ug/l	92
59) 2-Hexanone	11.051	43	1090	0.209	ug/l #	21
67) Ethyl Benzene	11.780	91	110222	5.776	ug/l	99
68) m/p-Xylenes	11.886	106	198462	27.555	ug/l	96
69) o-Xylene	12.216	106	98959	13.459	ug/l	98
70) Styrene	12.210	104	5474	0.482	ug/l #	1
73) Isopropylbenzene	12.515	105	8767	0.447	ug/l	97
76) 1,2,3-Trichloropropane	12.668	75	122702	20.644	ug/l #	1
78) n-propylbenzene	12.857	91	13878	0.636	ug/l	93
79) 2-Chlorotoluene	12.915	91	5503	0.399	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.998	105	20075	1.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.668	75	122702	56.614	ug/l #	11
83) tert-Butylbenzene	13.304	119	7944	0.554	ug/l #	46
84) 1,2,4-Trimethylbenzene	13.304	105	75244	4.710	ug/l	99
85) sec-Butylbenzene	13.304	105	75244	3.907	ug/l #	56
90) Hexachloroethane	14.157	117	886	0.306	ug/l #	9
95) Naphthalene	15.433	128	26207	1.496	ug/l #	78

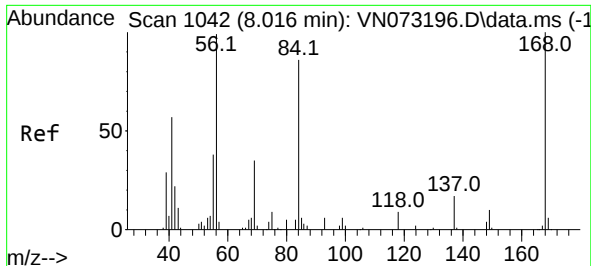
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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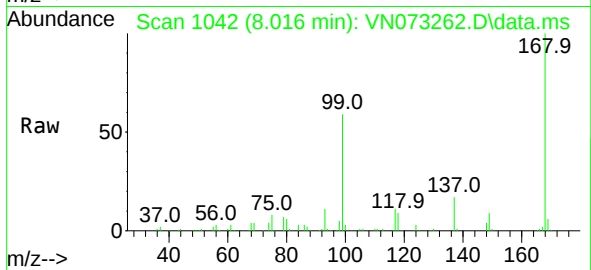
Quant Time: Jul 01 08:07:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
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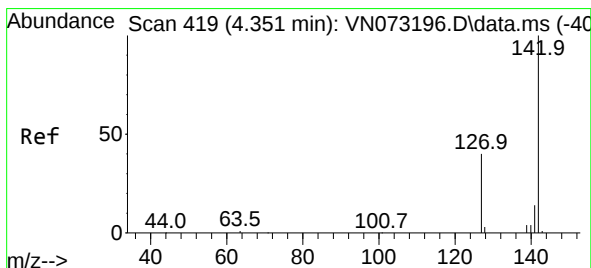
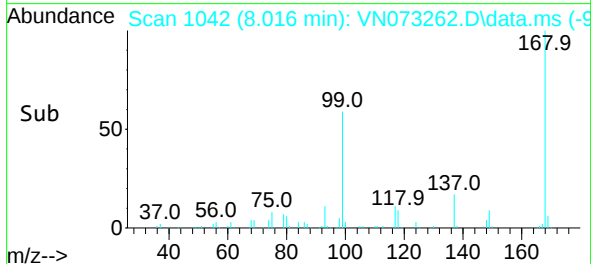
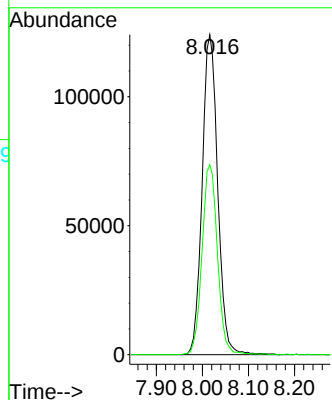


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

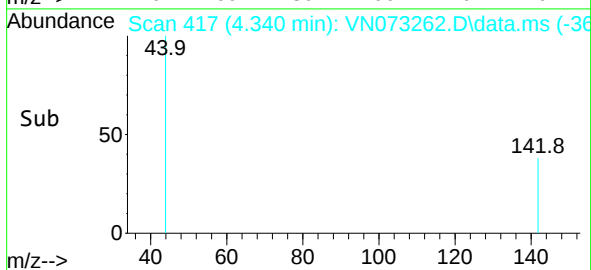
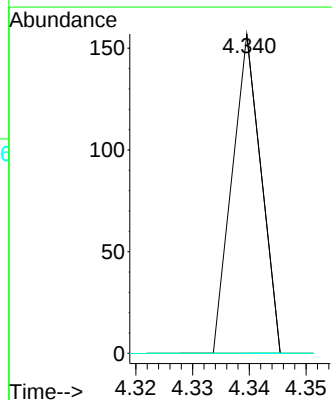
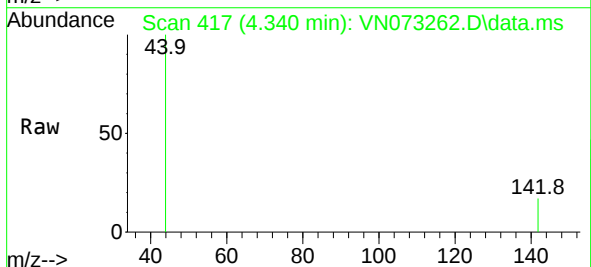


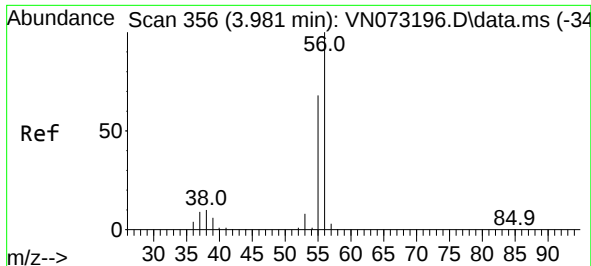
Tgt Ion:168 Resp: 291681
Ion Ratio Lower Upper
168 100
99 59.4 42.3 63.5



#10
Methyl Iodide
Concen: 3.747 ug/l
RT: 4.340 min Scan# 417
Delta R.T. -0.011 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

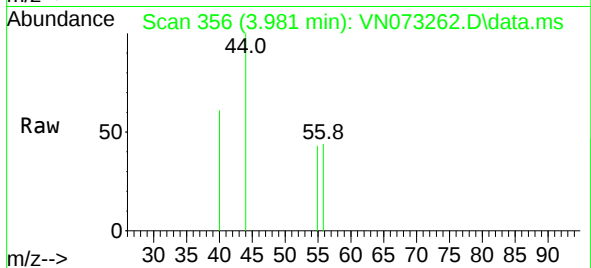
Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



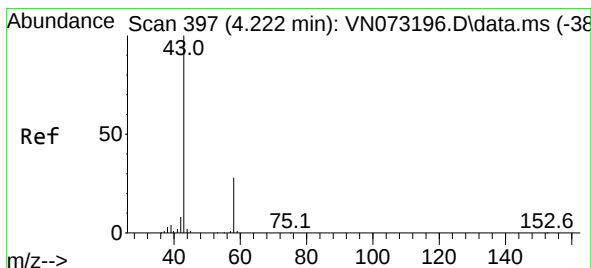
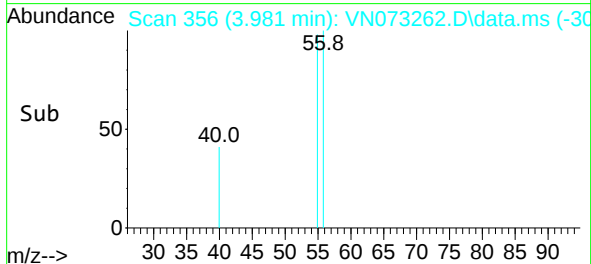
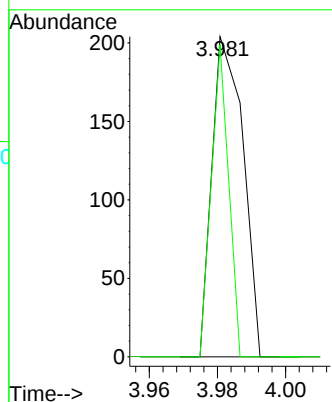


#13
Acrolein
Concen: 0.200 ug/l
RT: 3.981 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

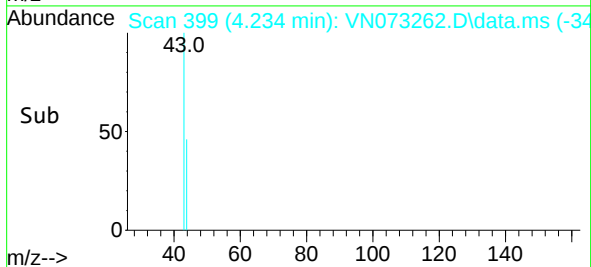
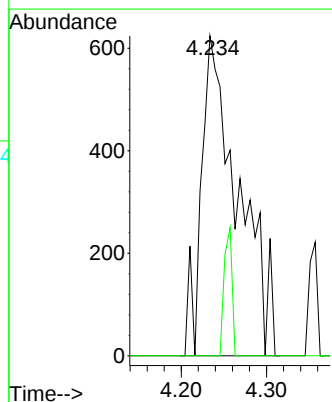
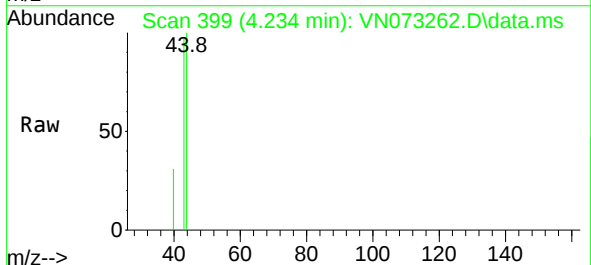


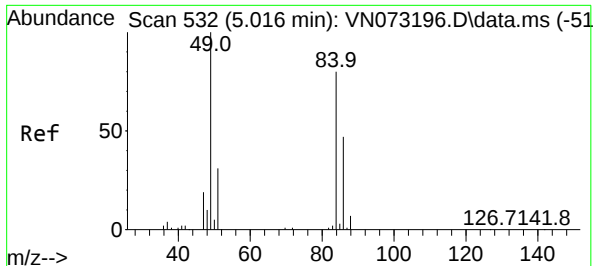
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 54.3 54.8 82.2#



#16
Acetone
Concen: 0.801 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

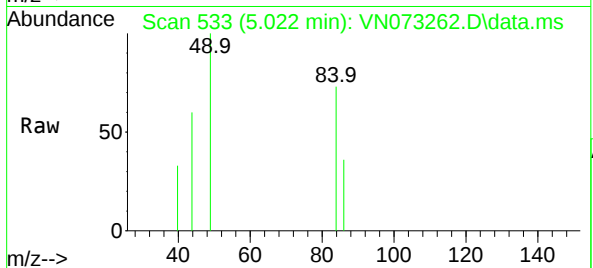
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



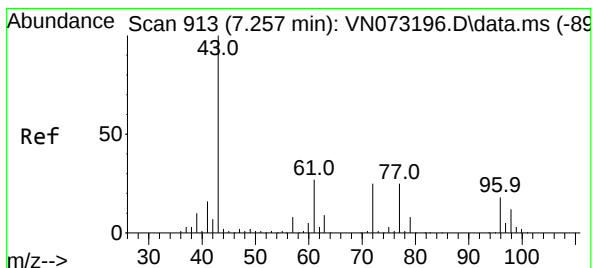
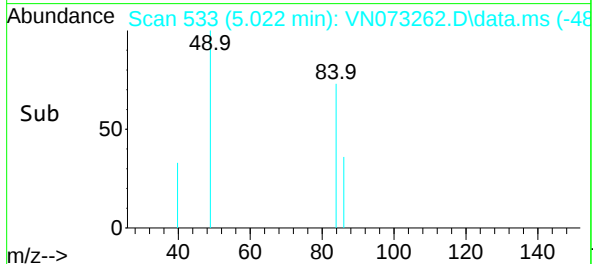
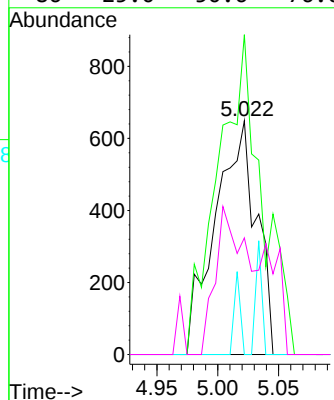


#20
Methylene Chloride
Concen: 0.367 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

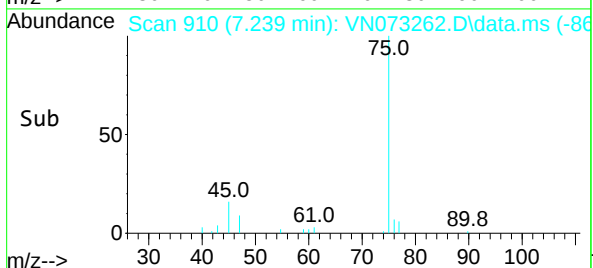
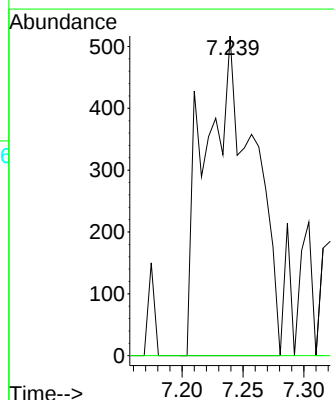
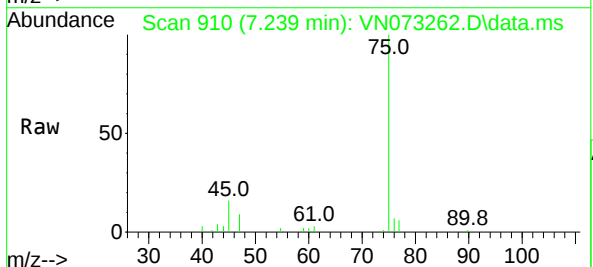


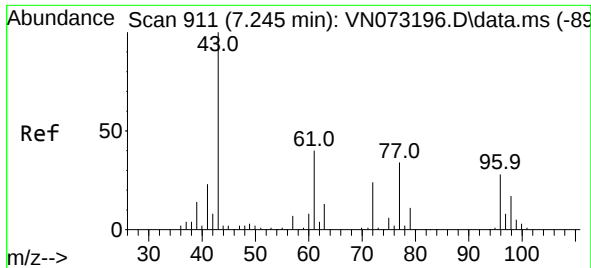
Tgt Ion: 84 Resp: 1523
Ion Ratio Lower Upper
84 100
49 136.8 88.3 132.5#
51 0.0 28.2 42.2#
86 25.0 50.6 76.0#



#25
2-Butanone
Concen: 0.384 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

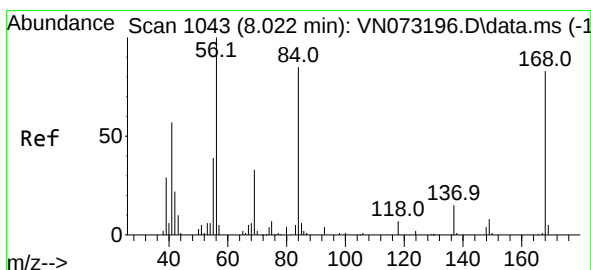
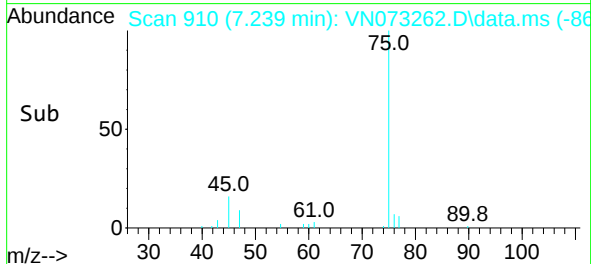
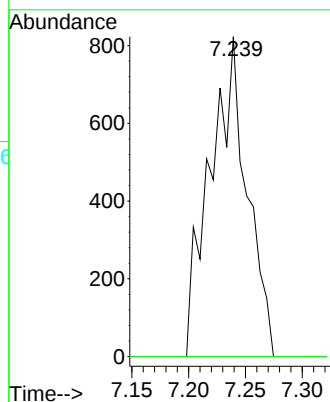
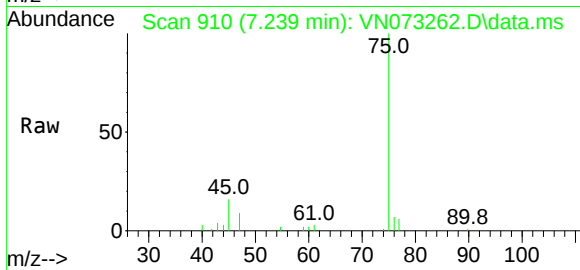




#26
2,2-Dichloropropane
Concen: 0.288 ug/l
RT: 7.239 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

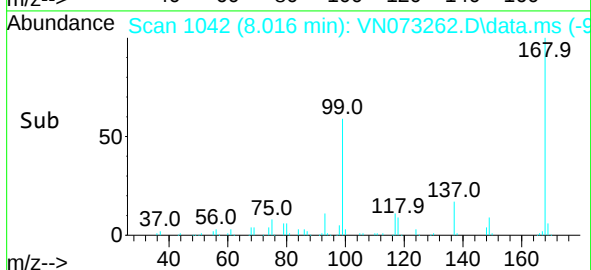
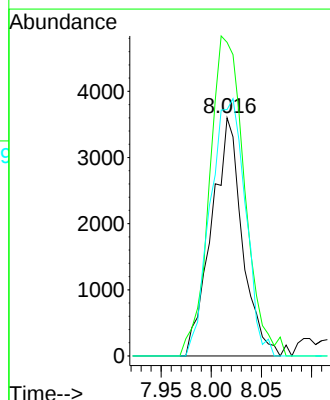
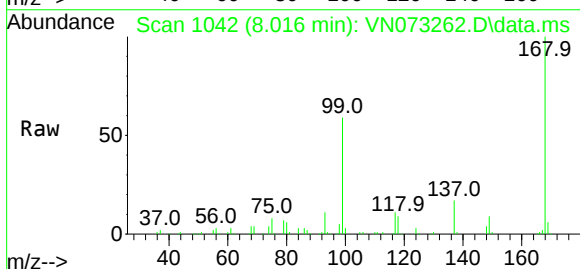
Instrument :
MSVOA_N
ClientSampleId :

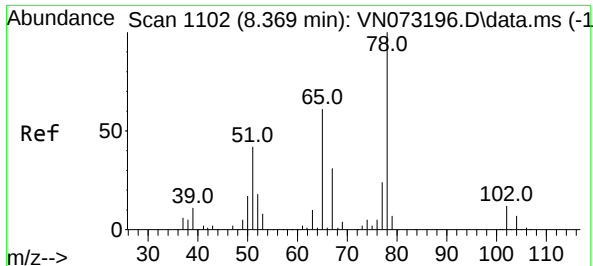
Tgt Ion: 77 Resp: 1859
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 56 Resp: 7677
Ion Ratio Lower Upper
56 100
69 131.7 27.8 41.8#
84 103.5 76.9 115.3

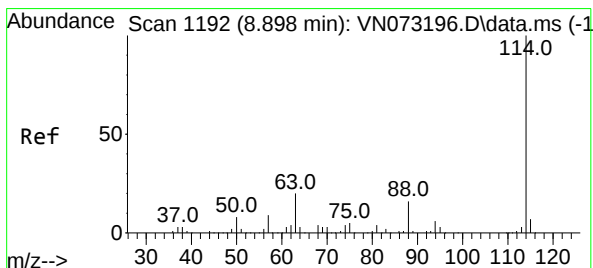
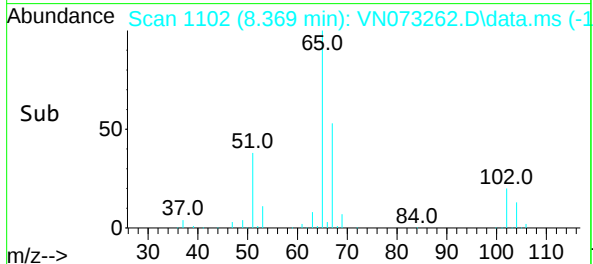
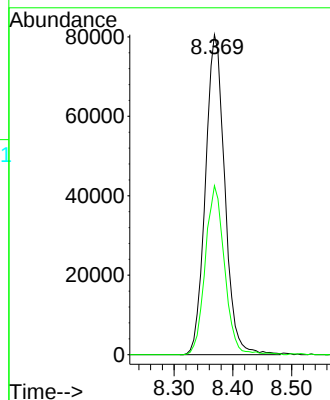
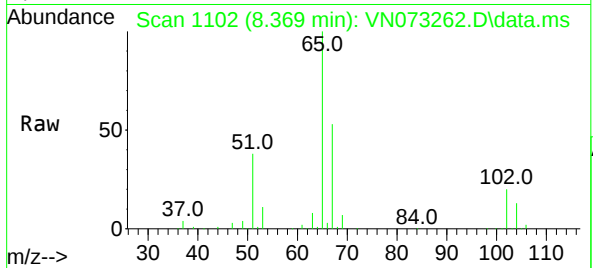




#33
1,2-Dichloroethane-d4
Concen: 43.719 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

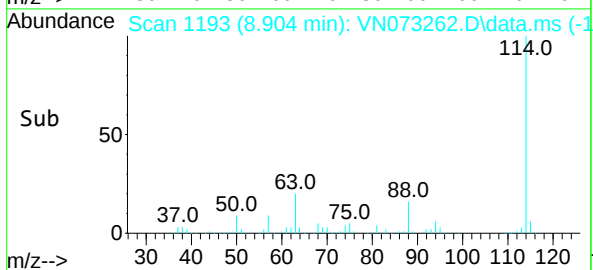
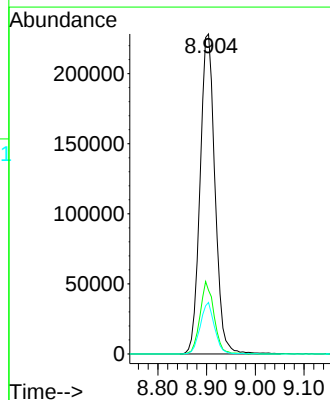
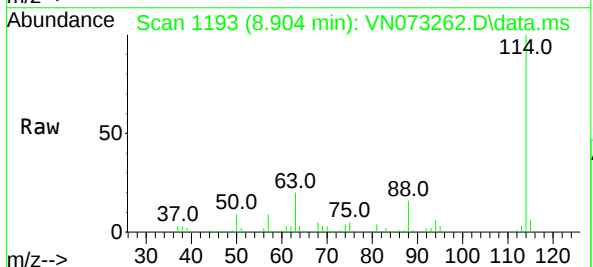
Instrument :
MSVOA_N
ClientSampleId :

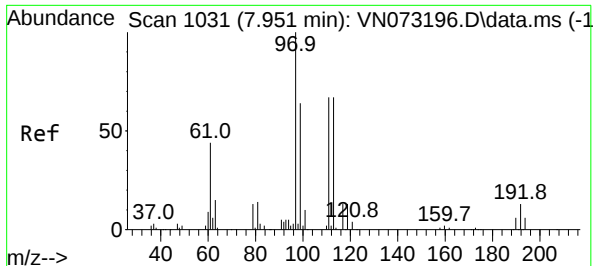
Tgt Ion: 65 Resp: 184090
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 114 Resp: 485757
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.0
88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.222 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

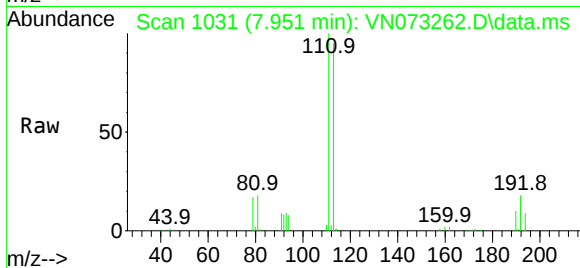
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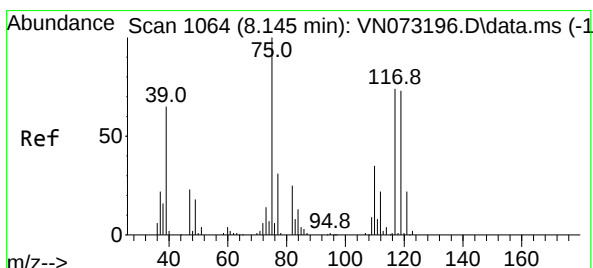
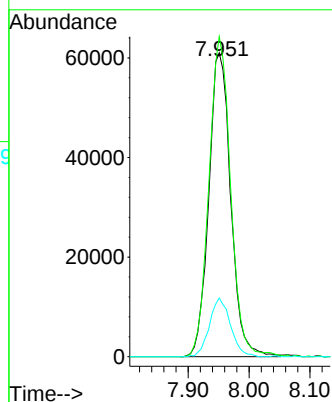
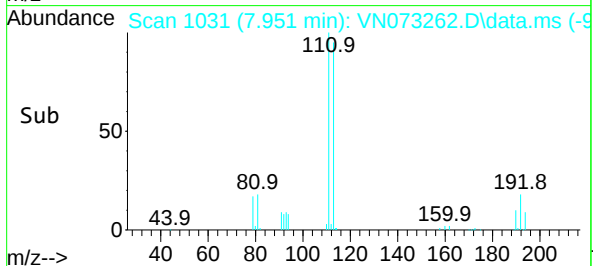
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	152612
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	18.5	17.0	25.6



#36

1,1-Dichloropropene

Concen: 4.901 ug/l

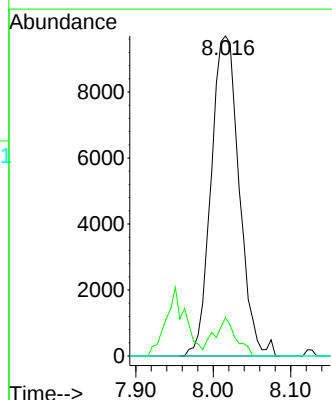
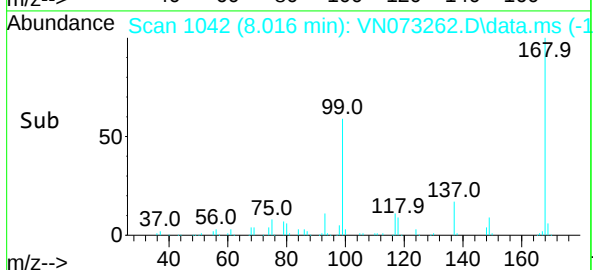
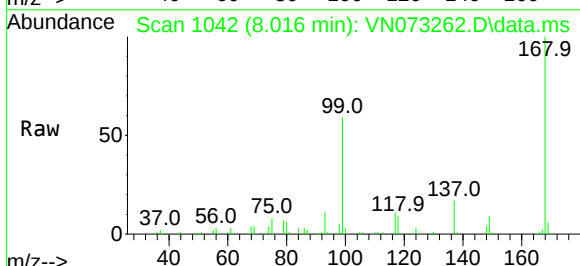
RT: 8.016 min Scan# 1042

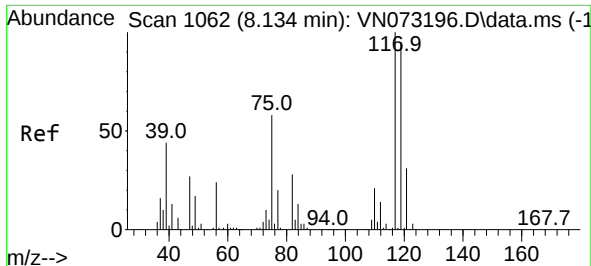
Delta R.T. -0.129 min

Lab File: VN073262.D

Acq: 30 Jun 2022 13:46

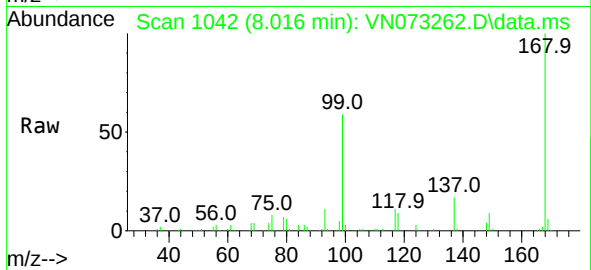
Tgt Ion:	75	Resp:	24372
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.8#
77	0.0	25.1	37.7#



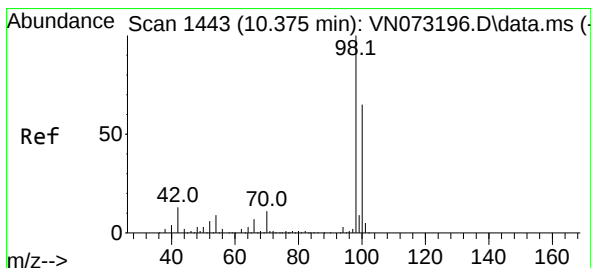
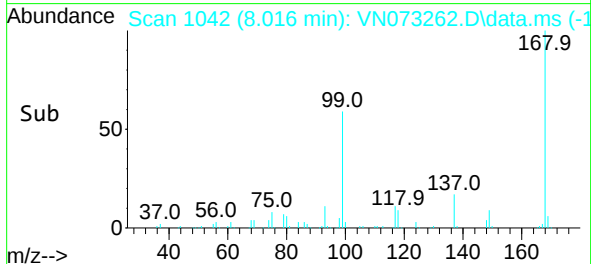
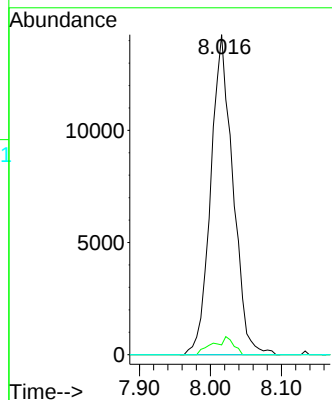


#38
Carbon Tetrachloride
Concen: 6.017 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

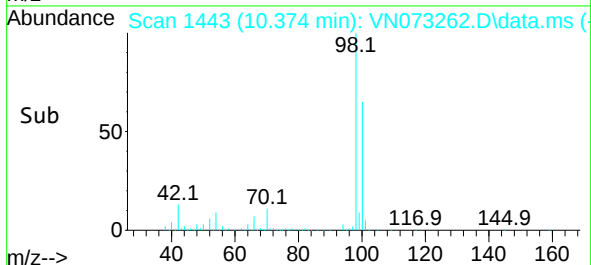
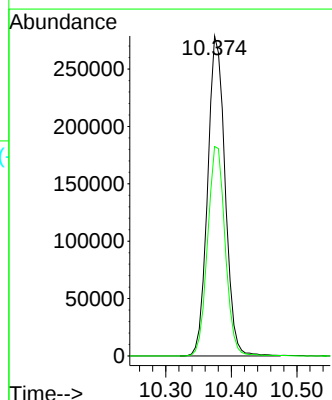
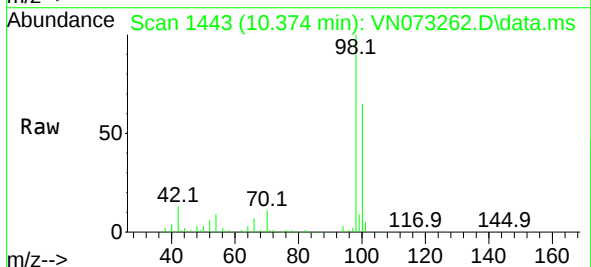


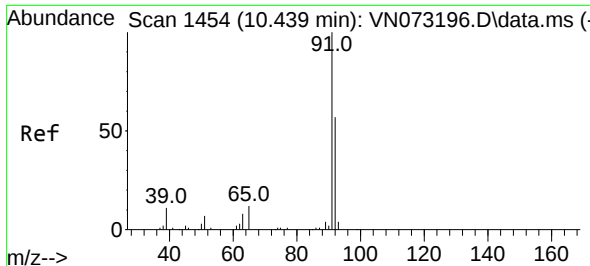
Tgt Ion:117 Resp: 30943
Ion Ratio Lower Upper
117 100
119 3.0 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.905 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 98 Resp: 515432
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8

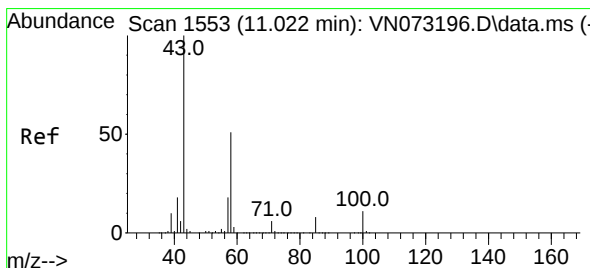
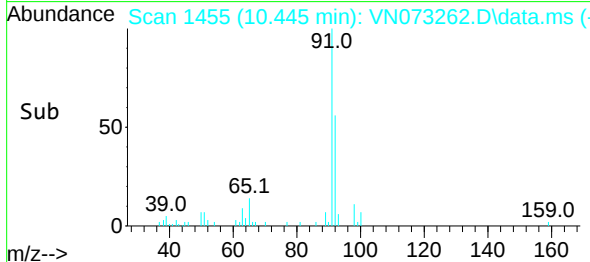
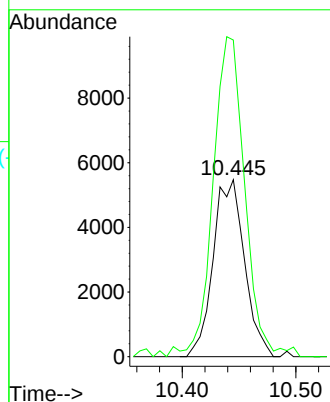
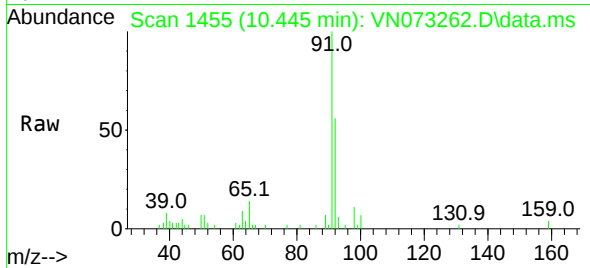




#52
Toluene
Concen: 1.106 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

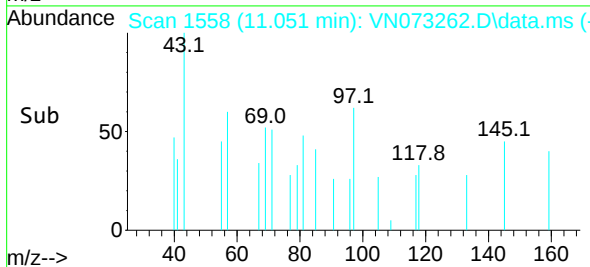
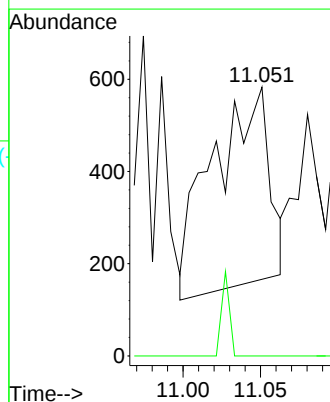
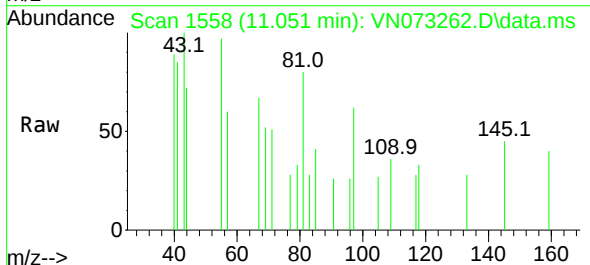
Instrument :
MSVOA_N
ClientSampleId :

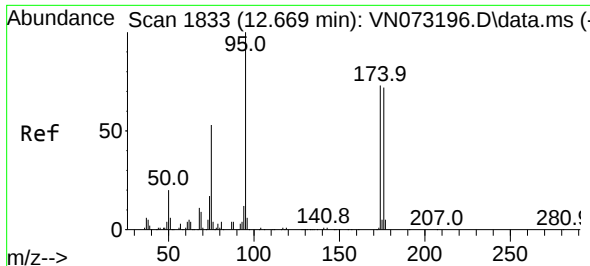
Tgt Ion: 92 Resp: 10486
Ion Ratio Lower Upper
92 100
91 184.1 138.6 207.8



#59
2-Hexanone
Concen: 0.209 ug/l
RT: 11.051 min Scan# 1558
Delta R.T. 0.029 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#

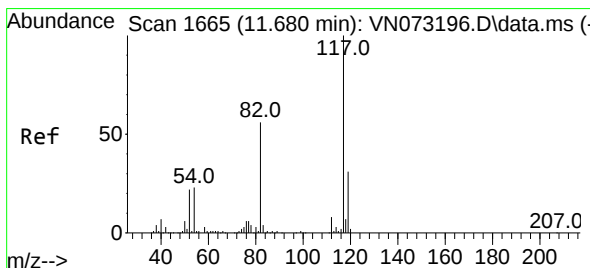
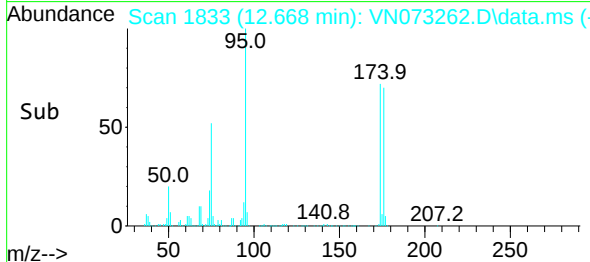
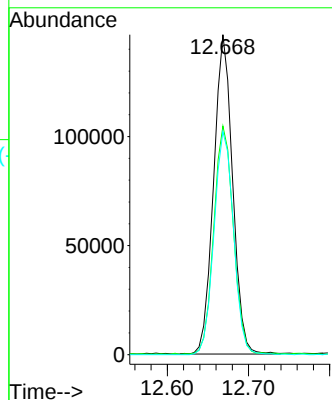
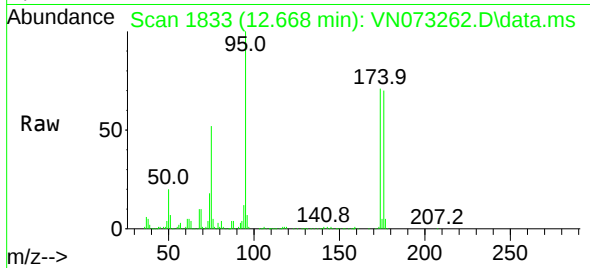




#62
4-Bromofluorobenzene
Concen: 53.929 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

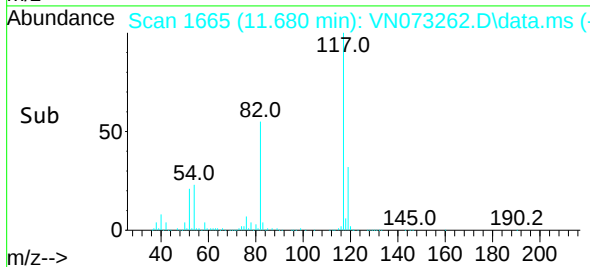
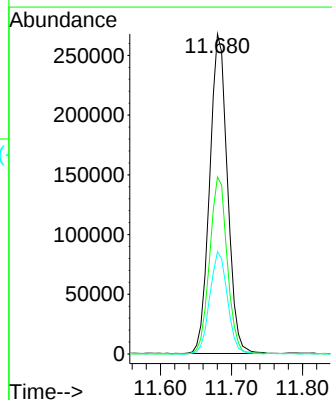
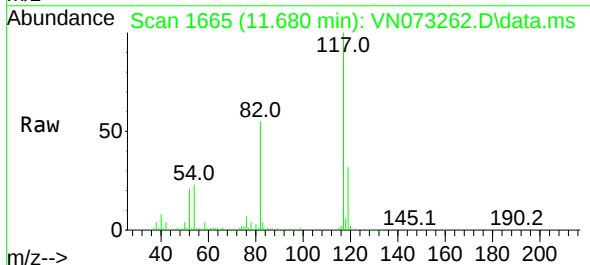
Instrument :
MSVOA_N
ClientSampleId :

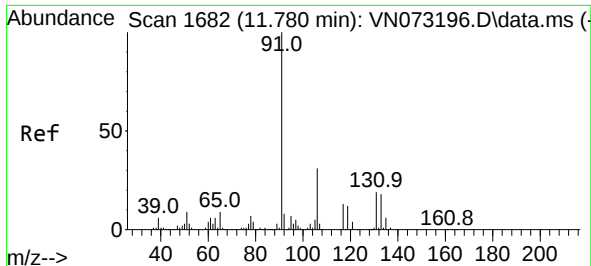
Tgt Ion: 95 Resp: 237885
Ion Ratio Lower Upper
95 100
174 74.0 0.0 167.6
176 72.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 117 Resp: 464797
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.9 25.4 38.0





#67

Ethyl Benzene

Concen: 5.776 ug/l

RT: 11.780 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073262.D

Acq: 30 Jun 2022 13:46

Instrument :

MSVOA_N

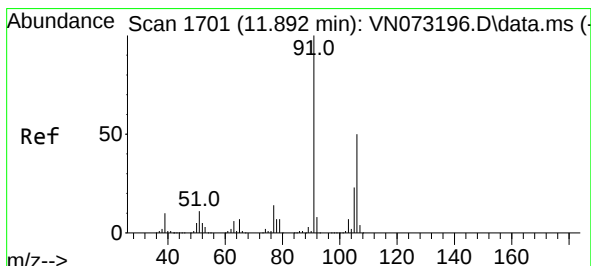
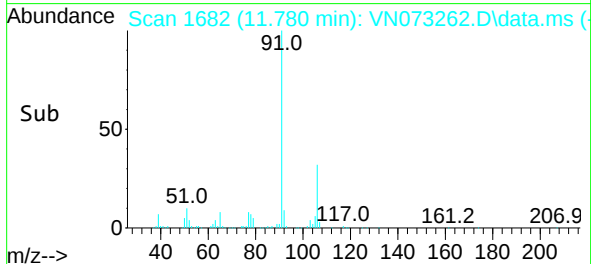
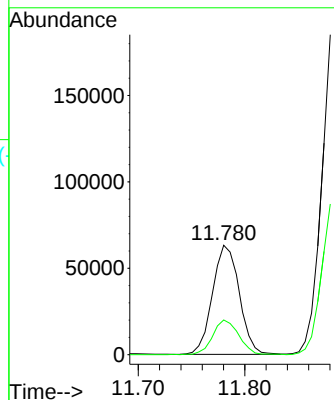
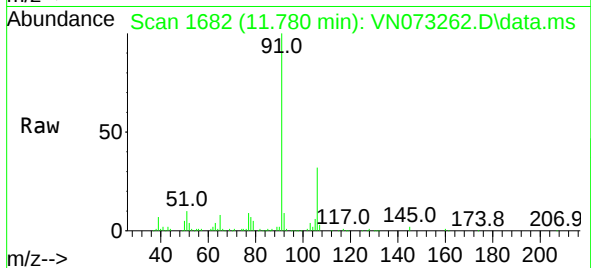
ClientSampleId :

Tgt Ion: 91 Resp: 110222

Ion Ratio Lower Upper

91 100

106 31.7 24.9 37.3



#68

m/p-Xylenes

Concen: 27.555 ug/l

RT: 11.886 min Scan# 1700

Delta R.T. -0.006 min

Lab File: VN073262.D

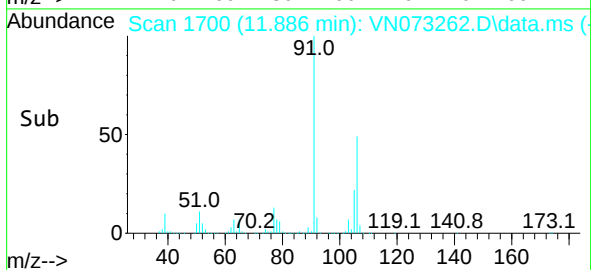
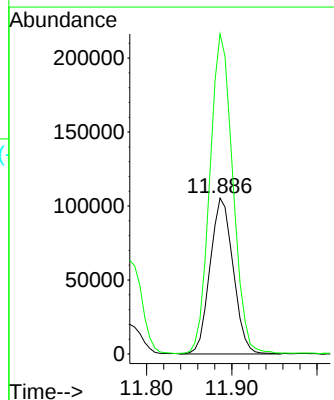
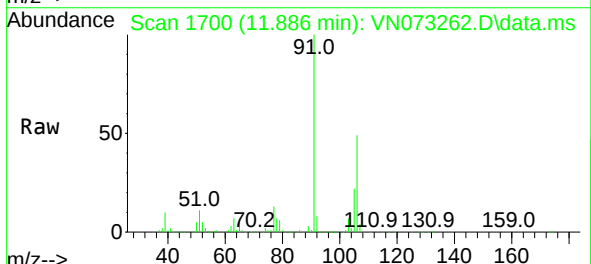
Acq: 30 Jun 2022 13:46

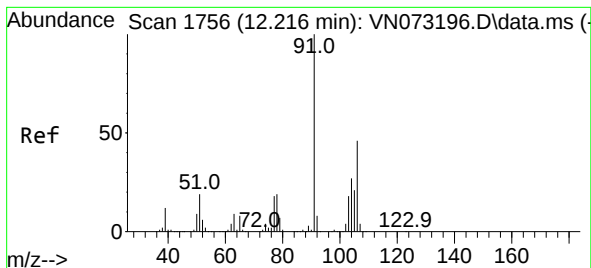
Tgt Ion:106 Resp: 198462

Ion Ratio Lower Upper

106 100

91 204.0 158.9 238.3





#69

o-Xylene

Concen: 13.459 ug/l

RT: 12.216 min Scan# 1756

Delta R.T. -0.000 min

Lab File: VN073262.D

Acq: 30 Jun 2022 13:46

Instrument :

MSVOA_N

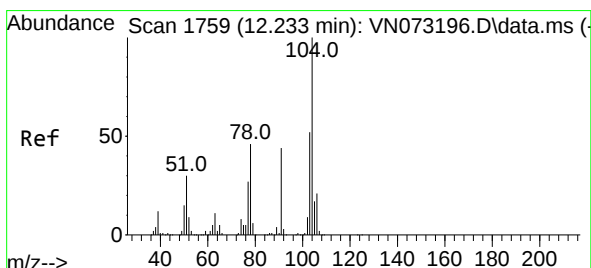
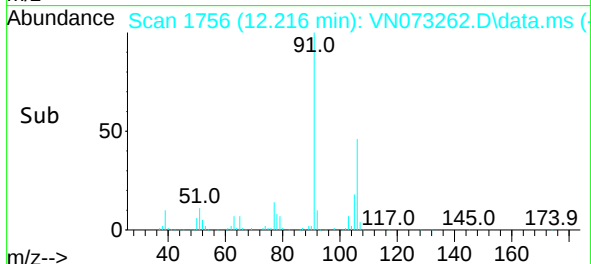
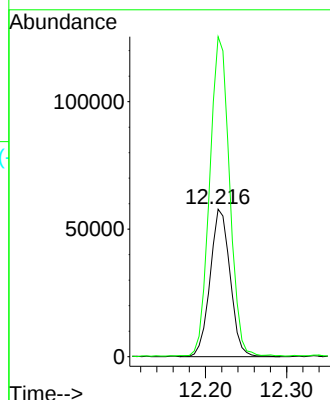
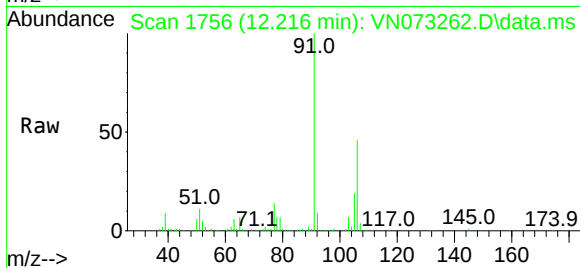
ClientSampleId :

Tgt Ion:106 Resp: 98959

Ion Ratio Lower Upper

106 100

91 215.2 106.0 318.0



#70

Styrene

Concen: 0.482 ug/l

RT: 12.210 min Scan# 1755

Delta R.T. -0.023 min

Lab File: VN073262.D

Acq: 30 Jun 2022 13:46

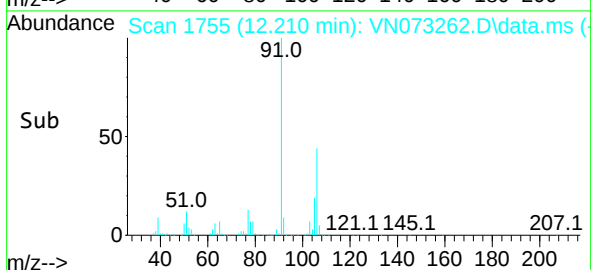
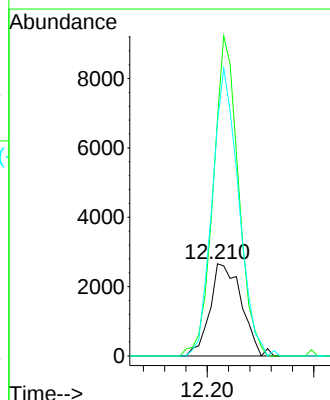
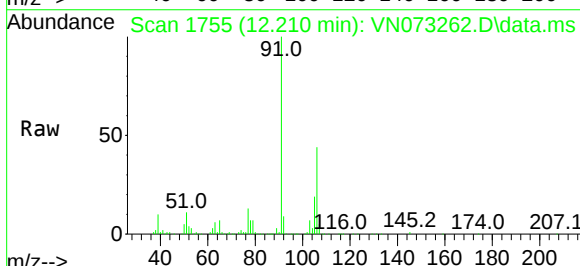
Tgt Ion:104 Resp: 5474

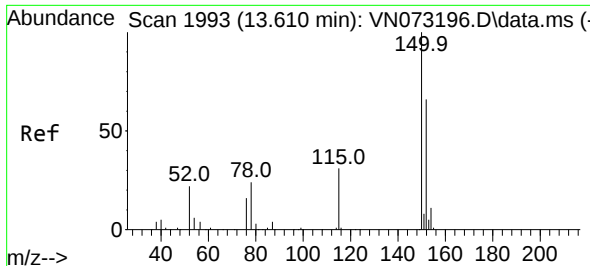
Ion Ratio Lower Upper

104 100

78 276.4 39.5 59.3#

103 260.9 44.0 66.0#

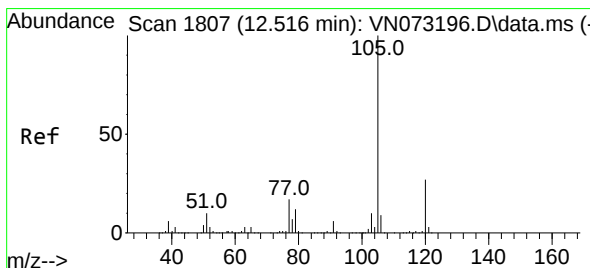
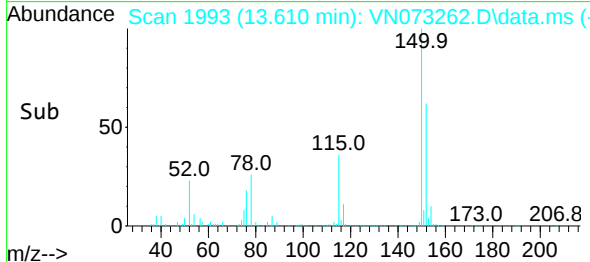
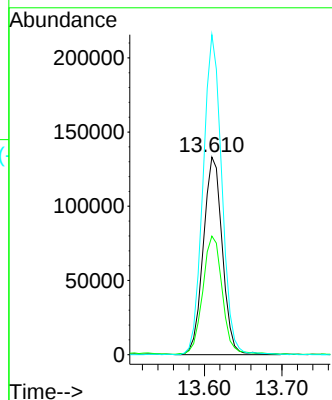
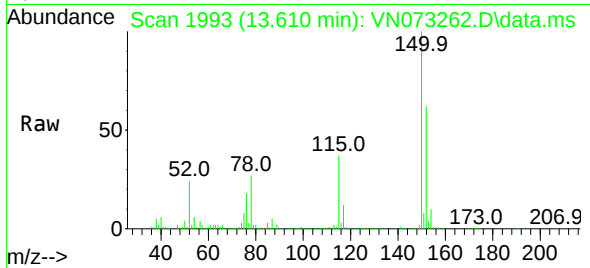




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

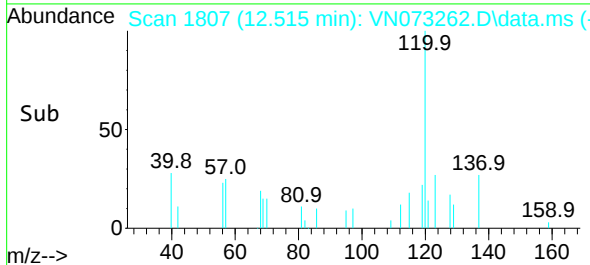
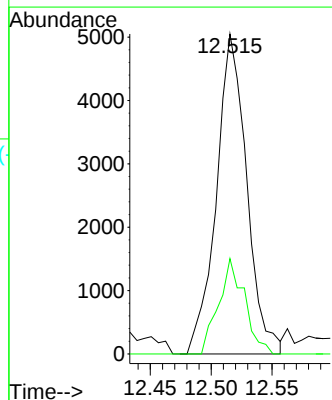
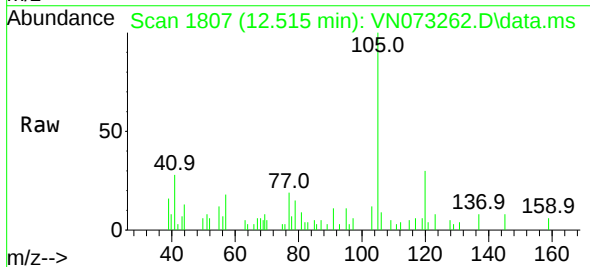
Instrument :
MSVOA_N
ClientSampleId :

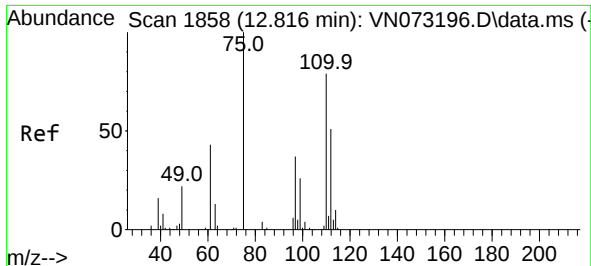
Tgt Ion:152 Resp: 227314
Ion Ratio Lower Upper
152 100
115 61.5 28.9 86.7
150 159.4 0.0 356.2



#73
Isopropylbenzene
Concen: 0.447 ug/l
RT: 12.515 min Scan# 1807
Delta R.T. -0.001 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion:105 Resp: 8767
Ion Ratio Lower Upper
105 100
120 25.5 13.5 40.4

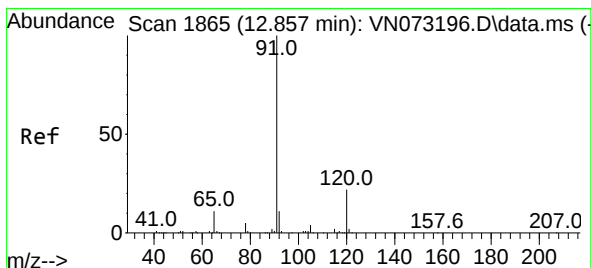
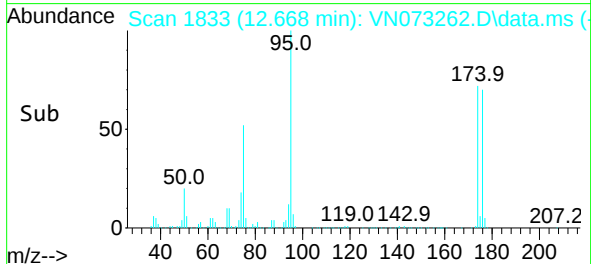
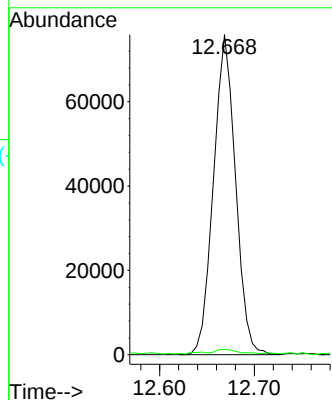
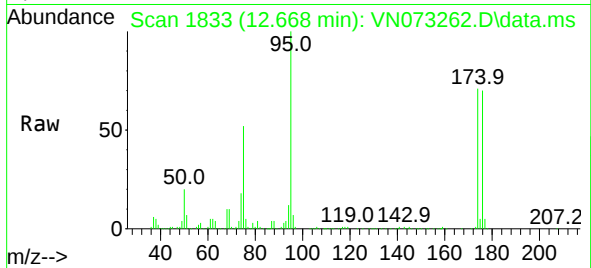




#76
1,2,3-Trichloropropane
Concen: 20.644 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

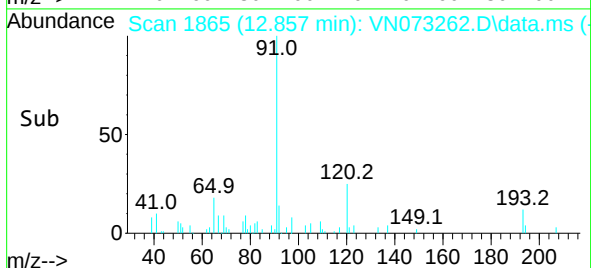
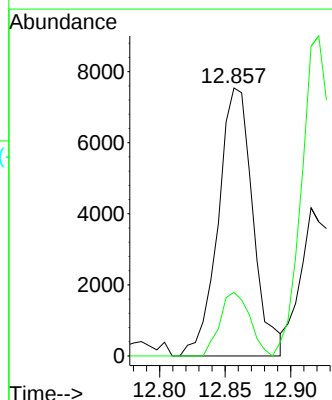
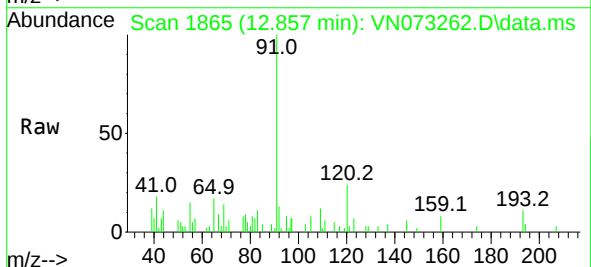
Instrument :
MSVOA_N
ClientSampleId :

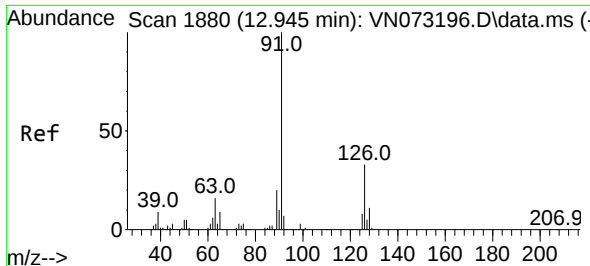
Tgt Ion: 75 Resp: 122702
Ion Ratio Lower Upper
75 100
77 1.7 98.5 295.5#



#78
n-propylbenzene
Concen: 0.636 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 91 Resp: 13878
Ion Ratio Lower Upper
91 100
120 20.4 11.9 35.5

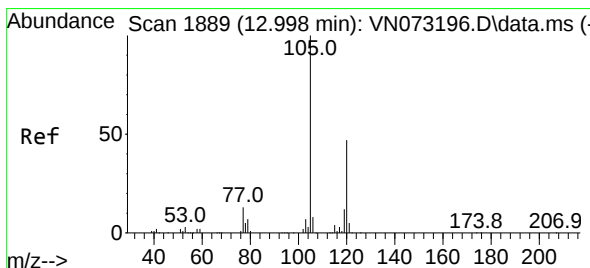
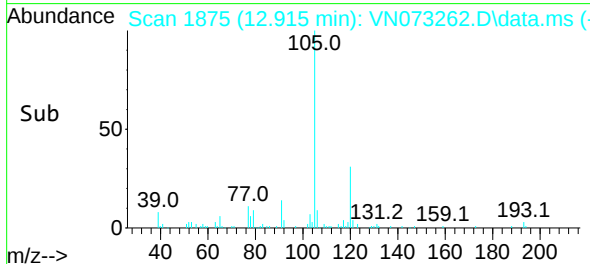
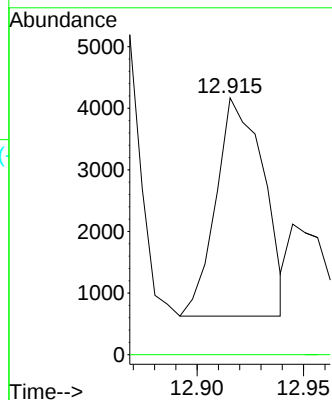
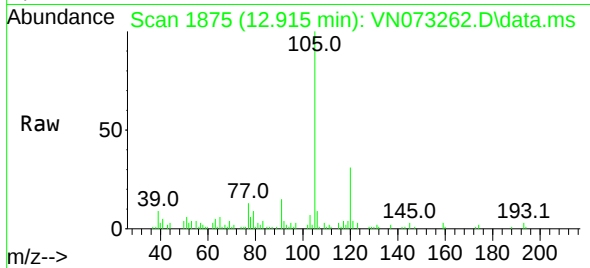




#79
2-Chlorotoluene
Concen: 0.399 ug/l
RT: 12.915 min Scan# 1875
Delta R.T. -0.030 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

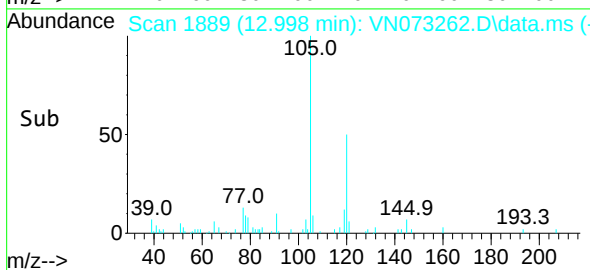
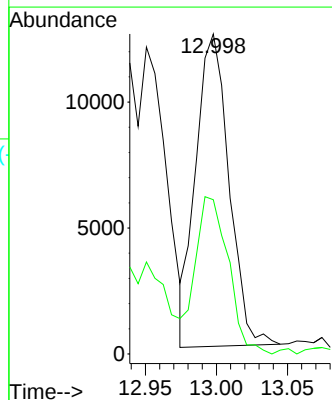
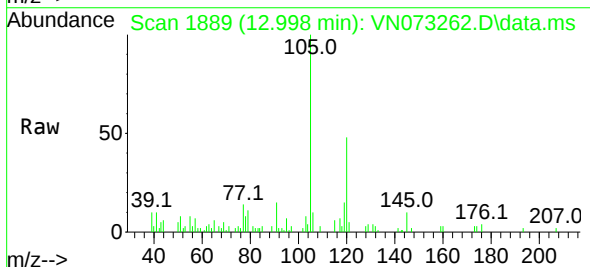
Instrument :
MSVOA_N
ClientSampleId :

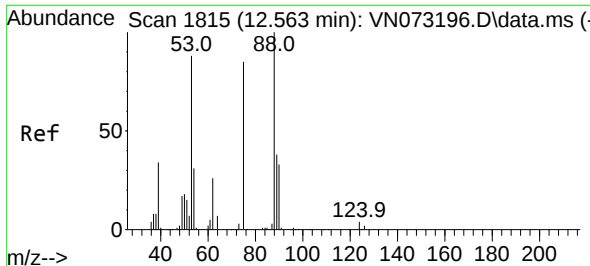
Tgt Ion: 91 Resp: 5503
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#



#80
1,3,5-Trimethylbenzene
Concen: 1.255 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion: 105 Resp: 20075
Ion Ratio Lower Upper
105 100
120 50.2 24.9 74.7

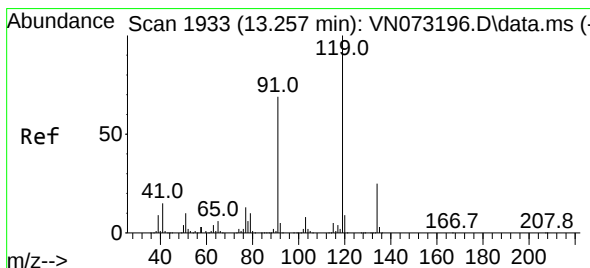
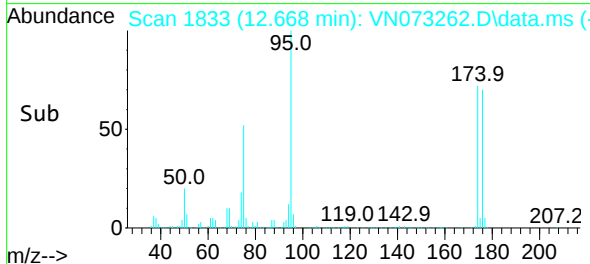
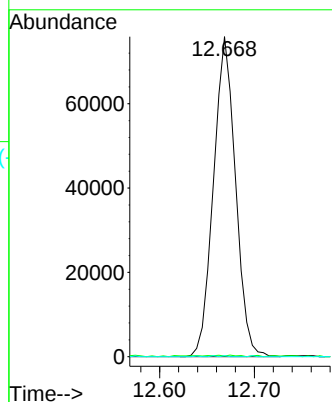
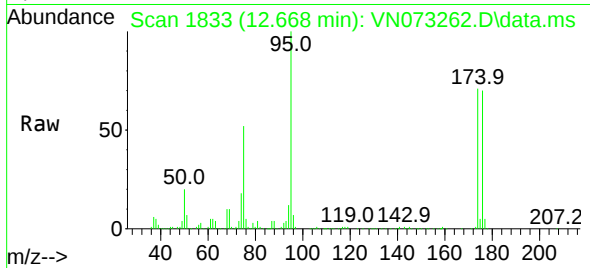




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.614 ug/l
 RT: 12.668 min Scan# 1815
 Delta R.T. 0.105 min
 Lab File: VN073262.D
 Acq: 30 Jun 2022 13:46

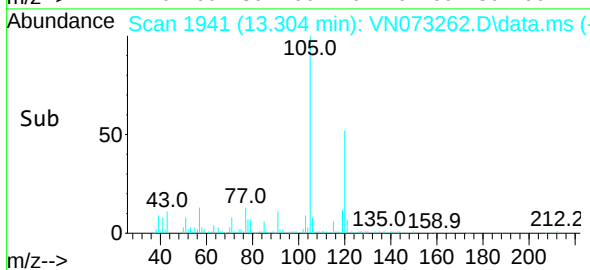
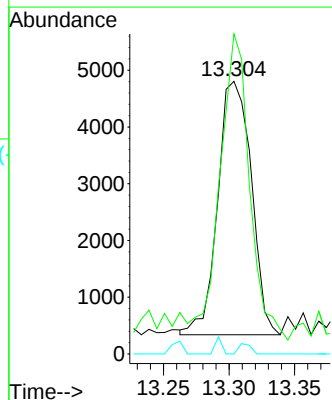
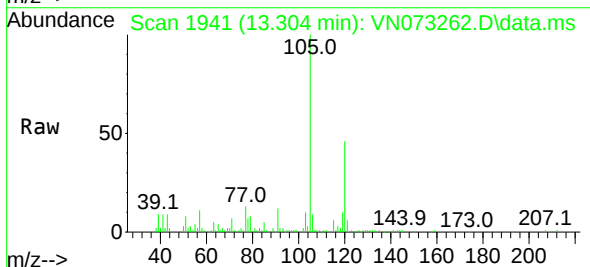
Instrument :
 MSVOA_N
 ClientSampleId :

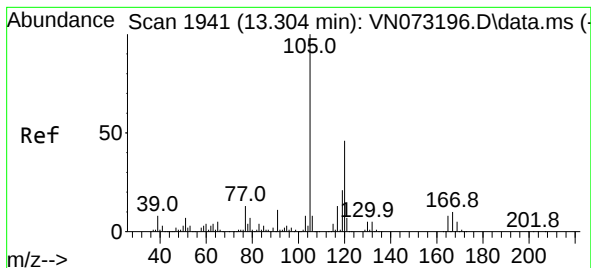
Tgt Ion: 75 Resp: 122702
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.0 117.0#
 89 0.1 37.2 55.8#



#83
 tert-Butylbenzene
 Concen: 0.554 ug/l
 RT: 13.304 min Scan# 1941
 Delta R.T. 0.047 min
 Lab File: VN073262.D
 Acq: 30 Jun 2022 13:46

Tgt Ion: 119 Resp: 7944
 Ion Ratio Lower Upper
 119 100
 91 106.9 31.6 94.8#
 134 1.5 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 4.710 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073262.D

Acq: 30 Jun 2022 13:46

Instrument :

MSVOA_N

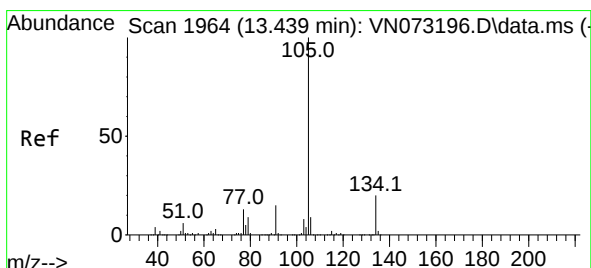
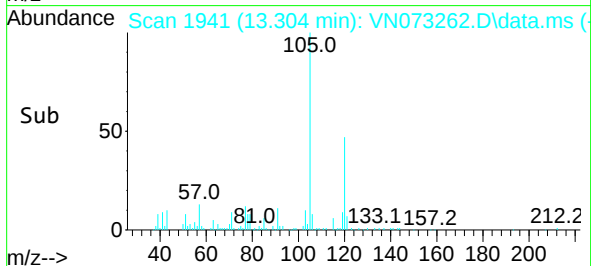
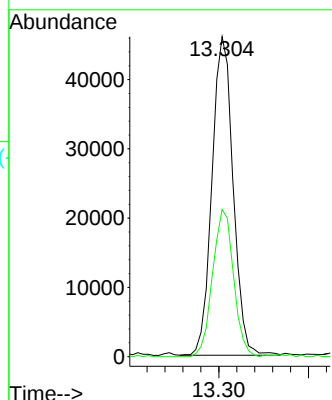
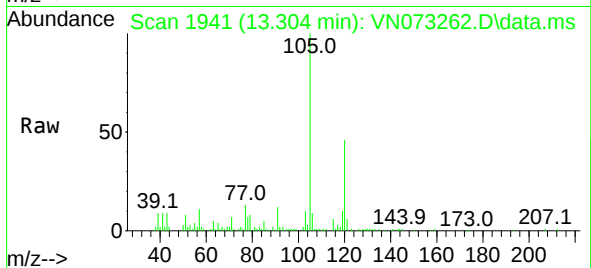
ClientSampleId :

Tgt Ion:105 Resp: 75244

Ion Ratio Lower Upper

105 100

120 45.8 23.3 69.8



#85

sec-Butylbenzene

Concen: 3.907 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.135 min

Lab File: VN073262.D

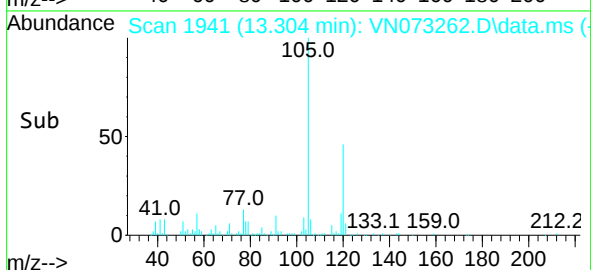
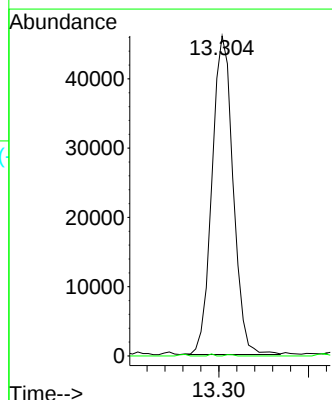
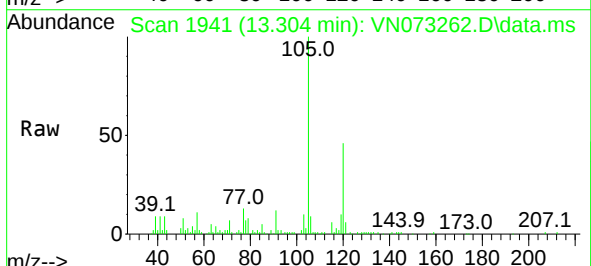
Acq: 30 Jun 2022 13:46

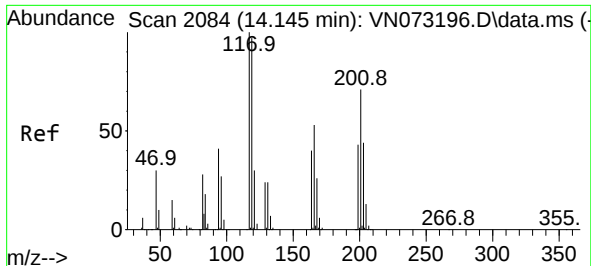
Tgt Ion:105 Resp: 75244

Ion Ratio Lower Upper

105 100

134 0.2 10.4 31.1#

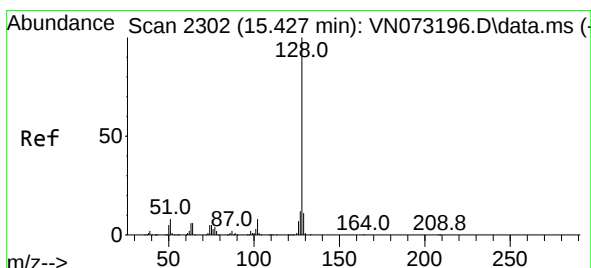
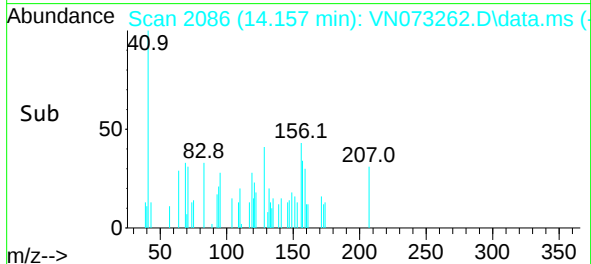
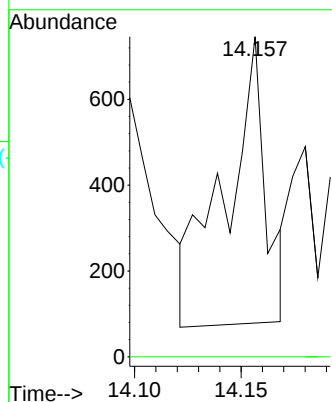
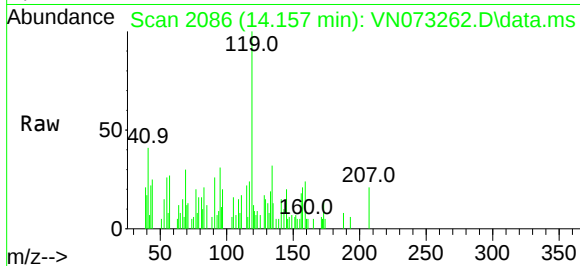




#90
Hexachloroethane
Concen: 0.306 ug/l
RT: 14.157 min Scan# 2086
Delta R.T. 0.012 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:117 Resp: 886
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 1.496 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073262.D
Acq: 30 Jun 2022 13:46

Tgt Ion:128 Resp: 26207
Ion Ratio Lower Upper
128 100
127 21.3 10.3 15.5#
129 19.3 8.6 13.0#

