

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052022\
 Data File : VN072575.D
 Acq On : 20 May 2022 14:24
 Operator : JC\MD
 Sample : N2965-07 500X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31608

Quant Time: May 21 01:32:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

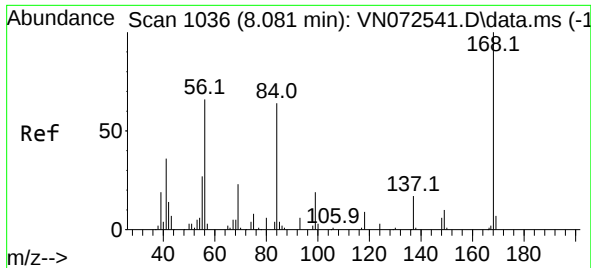
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	343141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	511699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	442800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	175828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	269046	50.464	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.920%			
35) Dibromofluoromethane	8.022	113	185559	53.745	ug/l	0.01
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.480%			
50) Toluene-d8	10.439	98	679846	52.020	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.727	95	229172	46.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.320%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	770	0.217	ug/l #	43
6) Chloroethane	2.899	64	402	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	5241	10.746	ug/l #	72
16) Acetone	4.298	43	2012	1.245	ug/l #	78
18) Methyl Acetate	4.845	43	266	0.338	ug/l #	48
25) 2-Butanone	7.339	43	1083	0.426	ug/l #	45
31) Cyclohexane	8.081	56	10243	1.728	ug/l #	57
36) 1,1-Dichloropropene	8.086	75	27495	5.850	ug/l #	51
38) Carbon Tetrachloride	8.081	117	36208	6.224	ug/l #	17
39) Methylcyclohexane	9.451	83	1425	0.260	ug/l #	89
40) Benzene	8.457	78	128075	9.325	ug/l	95
42) 1,2-Dichloroethane	8.451	62	1628	0.255	ug/l	98
52) Toluene	10.504	92	329863	37.042	ug/l	99
53) t-1,3-Dichloropropene	10.510	75	4839	0.847	ug/l #	1
67) Ethyl Benzene	11.845	91	48303	3.075	ug/l	97
68) m/p-Xylenes	11.945	106	70095	11.593	ug/l	92
69) o-Xylene	12.274	106	32767	5.320	ug/l	93
70) Styrene	12.280	104	2580	0.272	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	127468	23.998	ug/l #	1
78) n-propylbenzene	12.916	91	5178	0.326	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	5752	0.456	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	127468	100.046	ug/l #	10
83) tert-Butylbenzene	13.357	119	2920	0.273	ug/l #	45
84) 1,2,4-Trimethylbenzene	13.363	105	23669	1.957	ug/l	96
95) Naphthalene	15.498	128	3950	0.510	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.698	180	606	0.220	ug/l #	46

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

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QLast Update : Thu May 19 02:22:47 2022
Response via : Initial Calibration

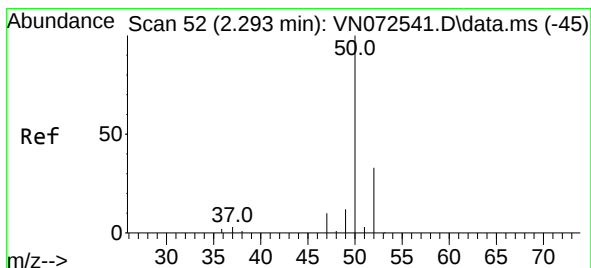
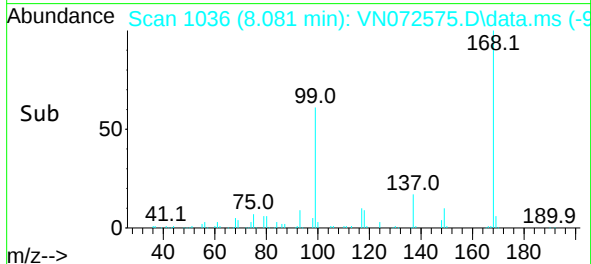
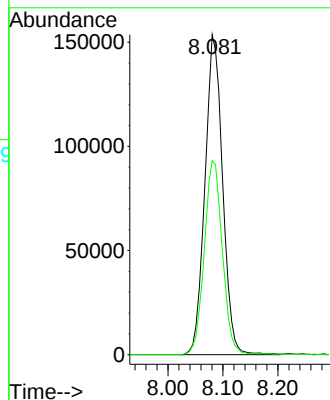
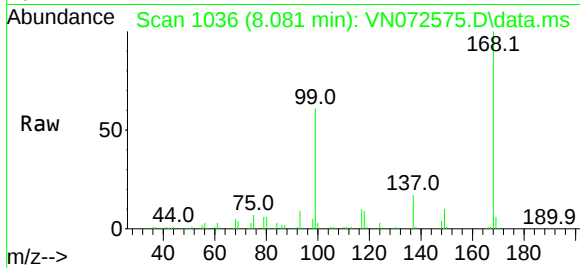




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

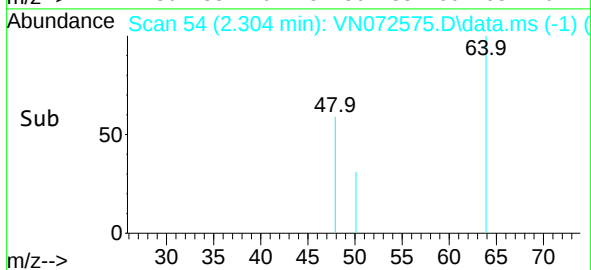
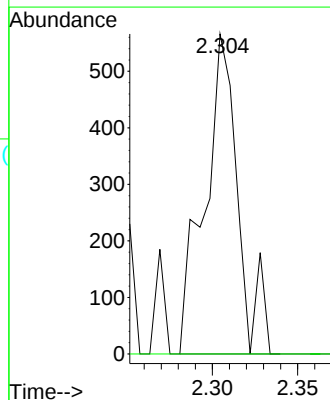
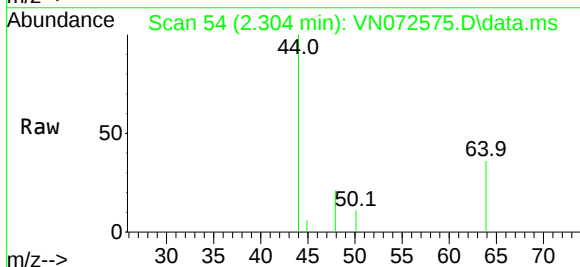
Instrument :
MSVOA_N
ClientSampleId :
31608

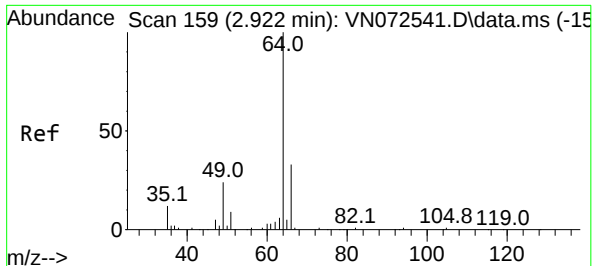
Tgt Ion:168 Resp: 343141
Ion Ratio Lower Upper
168 100
99 60.6 42.3 63.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.011 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 50 Resp: 770
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

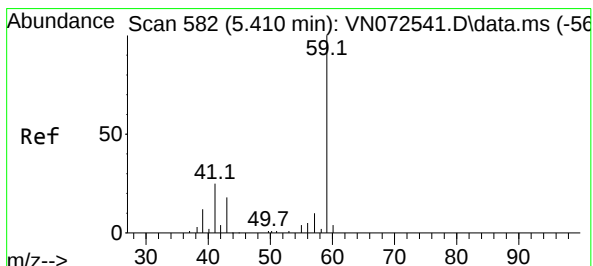
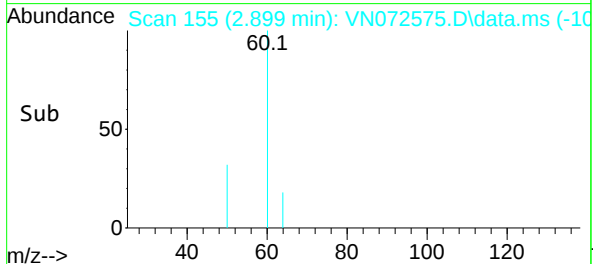
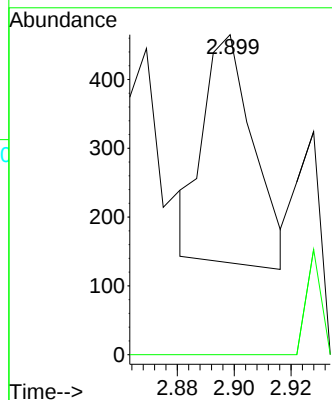
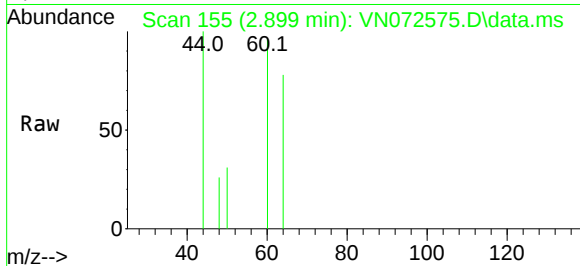




#6
Chloroethane
Concen: Below Cal
RT: 2.899 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

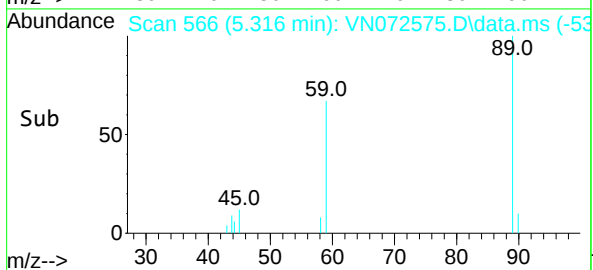
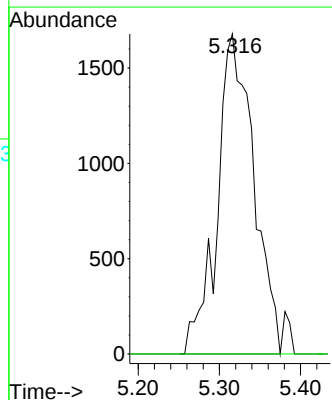
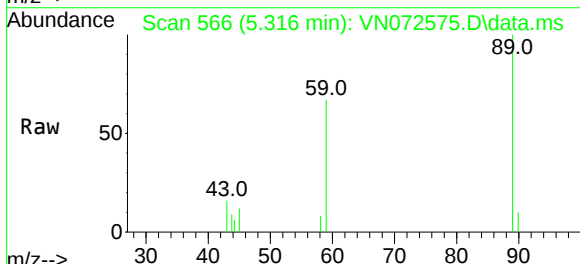
Instrument :
MSVOA_N
ClientSampleId :
31608

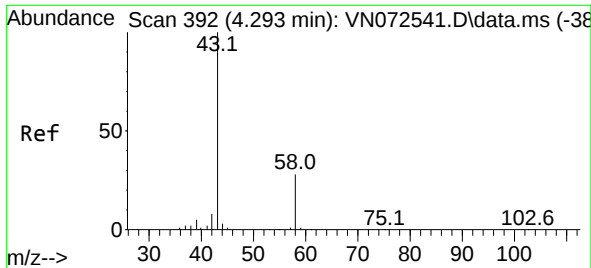
Tgt Ion: 64 Resp: 402
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 10.746 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.094 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 59 Resp: 5241
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

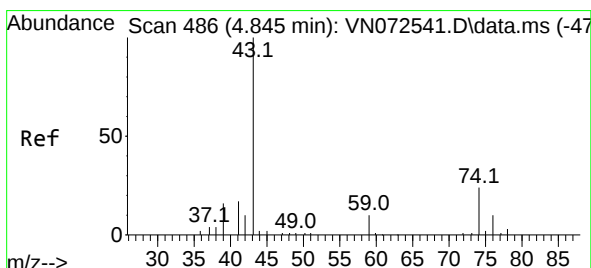
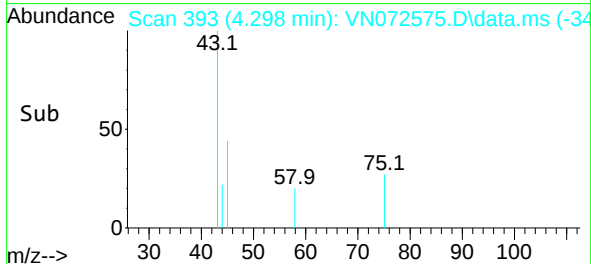
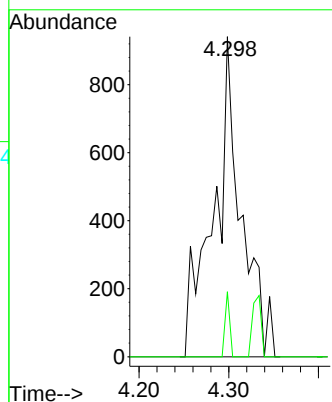
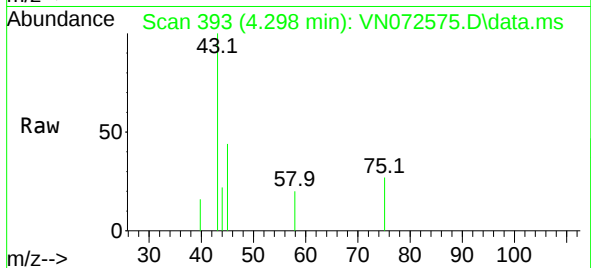




#16
Acetone
Concen: 1.245 ug/l
RT: 4.298 min Scan# 392
Delta R.T. 0.005 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

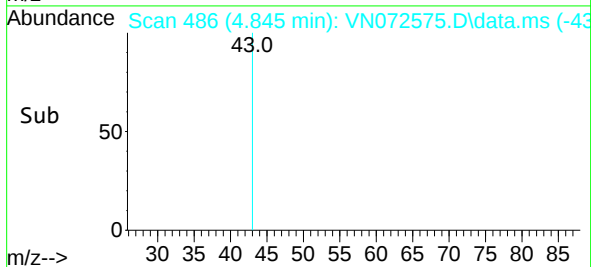
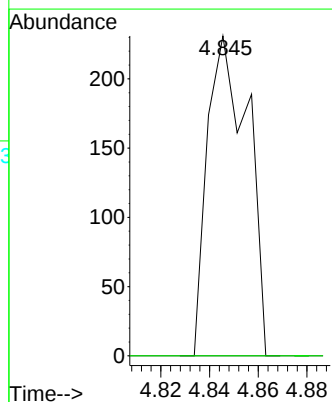
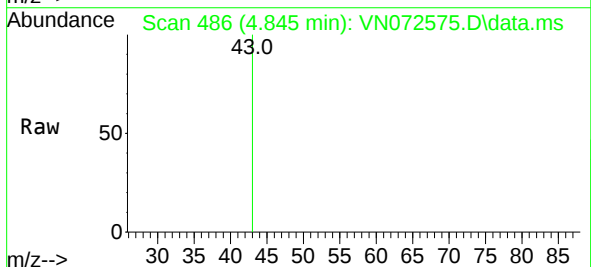
Instrument :
MSVOA_N
ClientSampleId :
31608

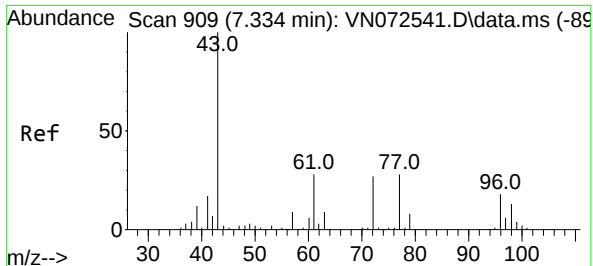
Tgt Ion: 43 Resp: 2012
Ion Ratio Lower Upper
43 100
58 20.3 26.0 39.0#



#18
Methyl Acetate
Concen: 0.338 ug/l
RT: 4.845 min Scan# 486
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#25

2-Butanone

Concen: 0.426 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

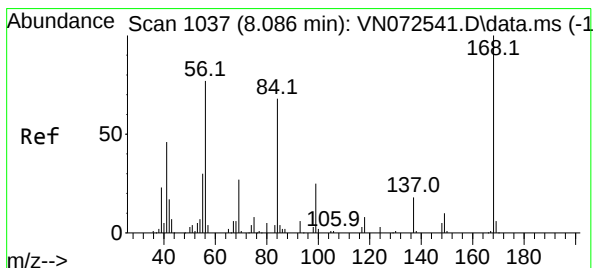
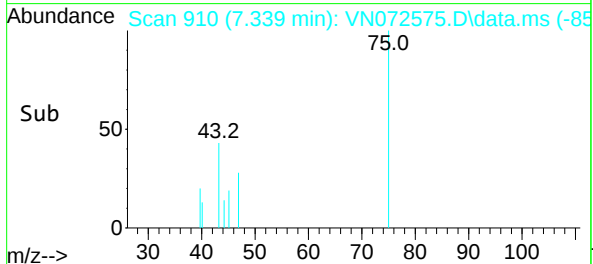
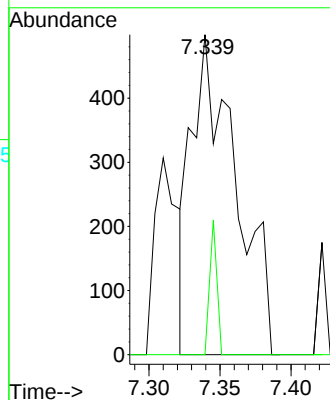
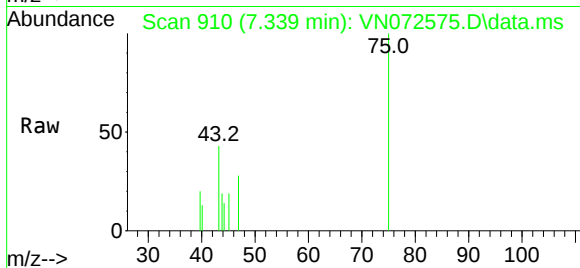
31608

Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.728 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

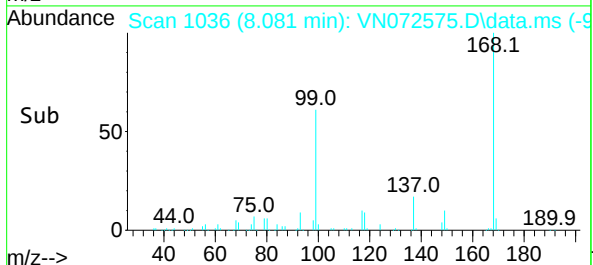
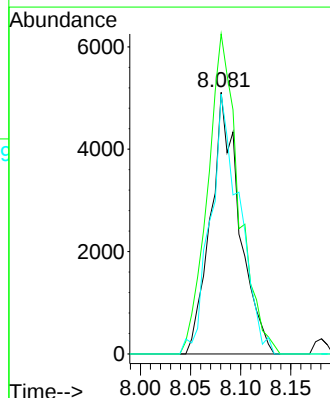
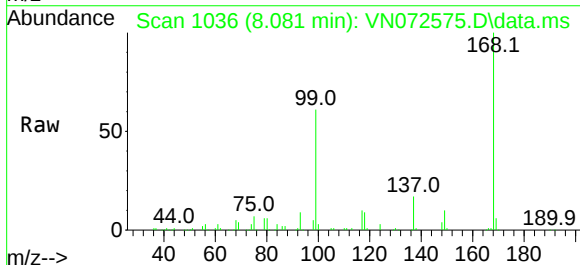
Tgt Ion: 56 Resp: 10243

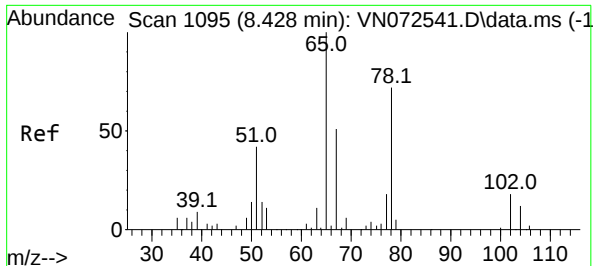
Ion Ratio Lower Upper

56 100

69 122.3 27.8 41.8#

84 99.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 50.464 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. 0.005 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

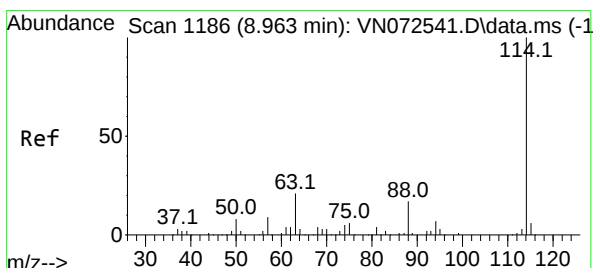
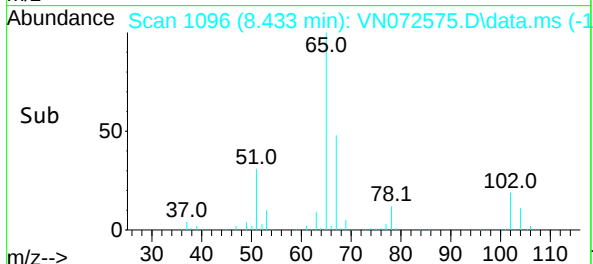
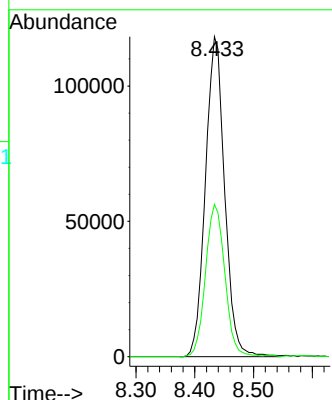
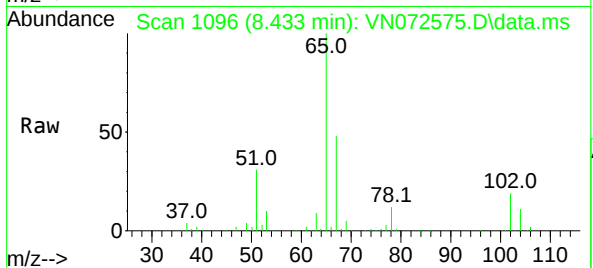
31608

Tgt Ion: 65 Resp: 269046

Ion Ratio Lower Upper

65 100

67 47.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

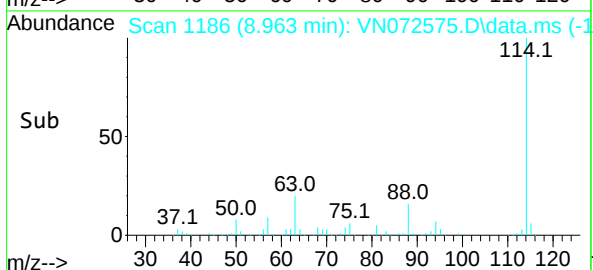
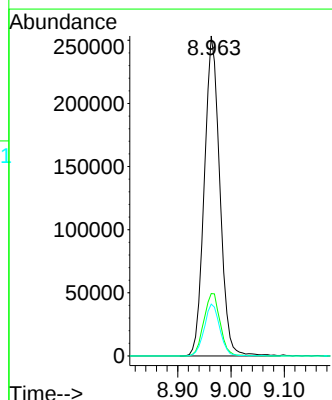
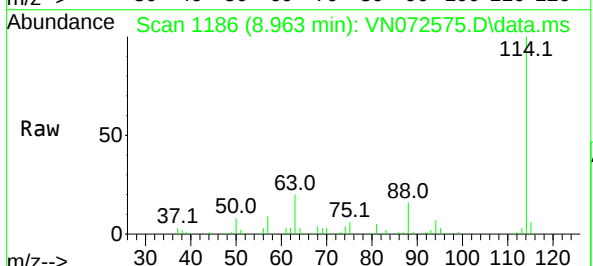
Tgt Ion: 114 Resp: 511699

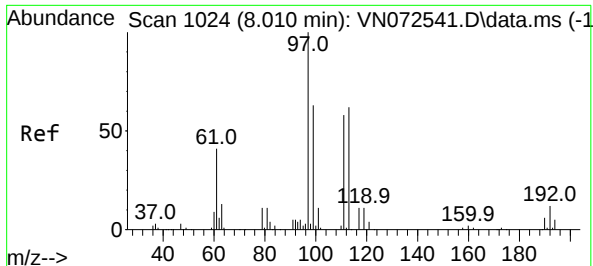
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.745 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.012 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

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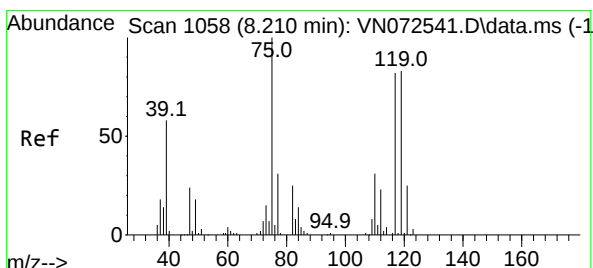
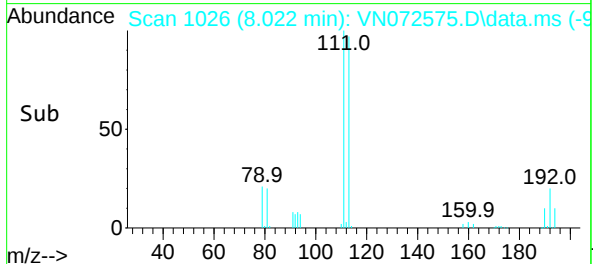
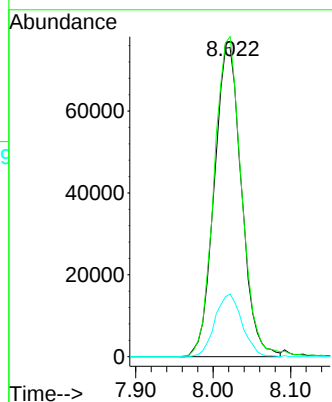
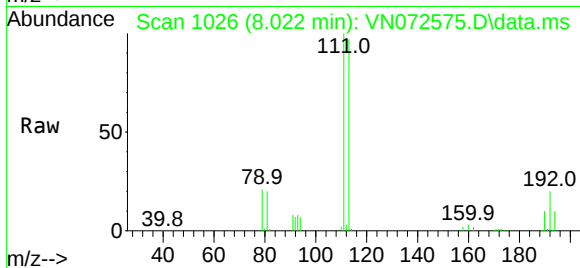
Tgt Ion:113 Resp: 185559

Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 20.0 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.850 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.124 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

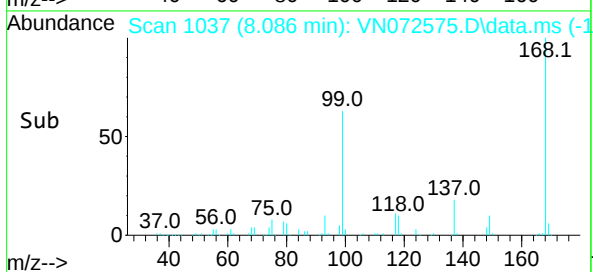
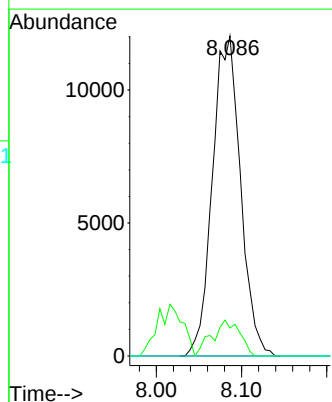
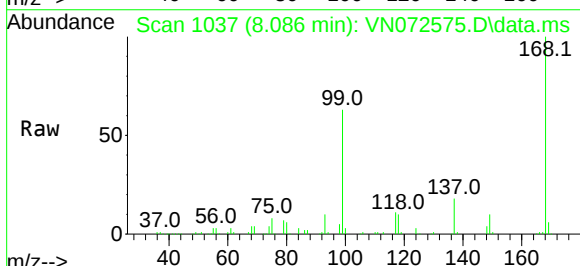
Tgt Ion: 75 Resp: 27495

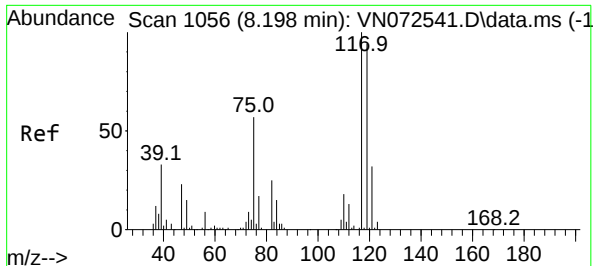
Ion Ratio Lower Upper

75 100

110 11.1 18.3 54.8#

77 0.0 25.1 37.7#

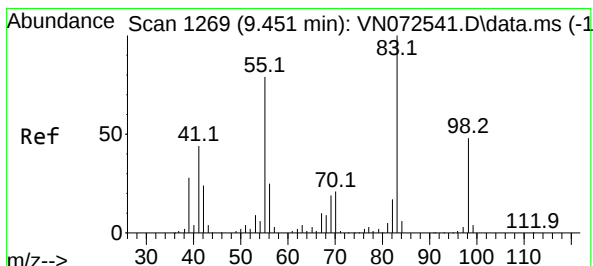
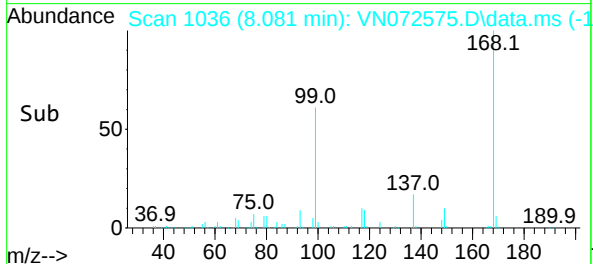
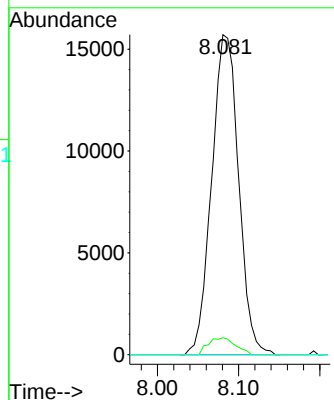
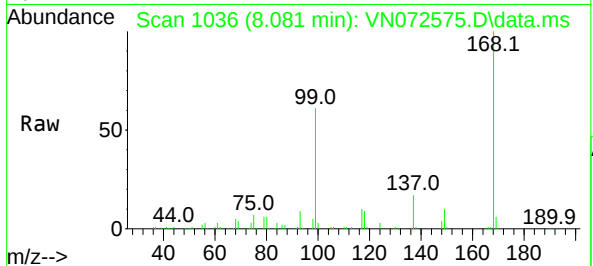




#38
Carbon Tetrachloride
Concen: 6.224 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

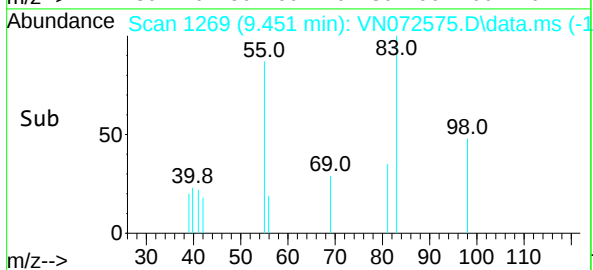
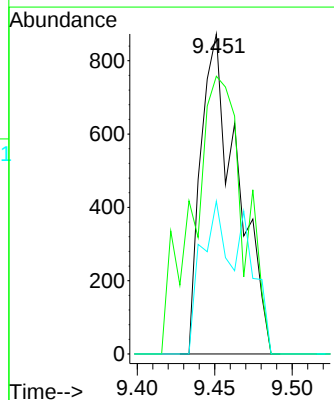
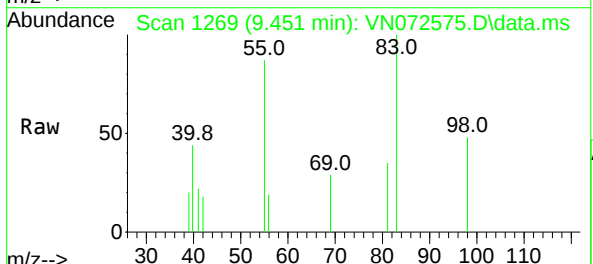
Instrument :
MSVOA_N
ClientSampleId :
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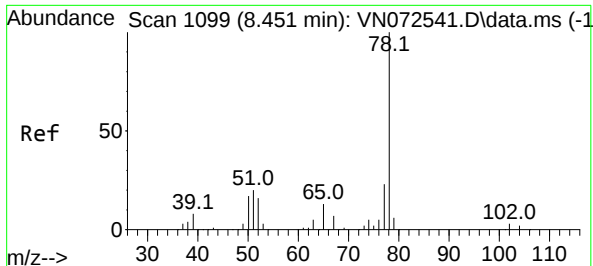
Tgt Ion:117 Resp: 36208
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.260 ug/l
RT: 9.451 min Scan# 1269
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 83 Resp: 1425
Ion Ratio Lower Upper
83 100
55 86.8 57.8 86.8#
98 47.8 39.4 59.2

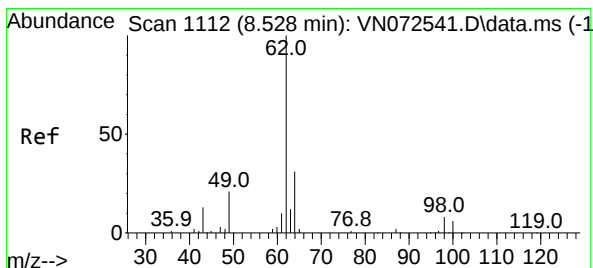
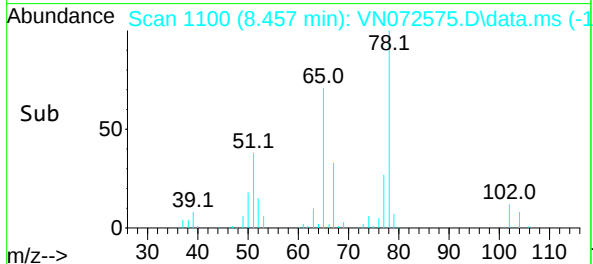
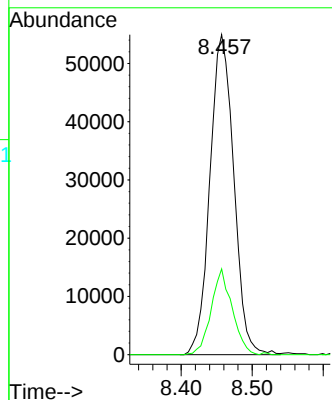
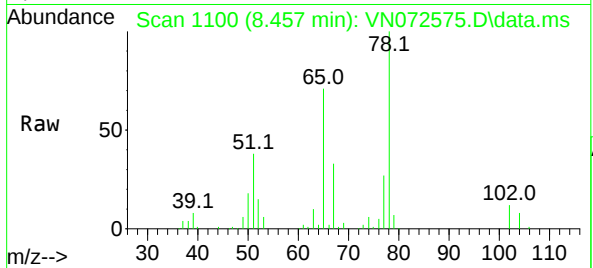




#40
Benzene
Concen: 9.325 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

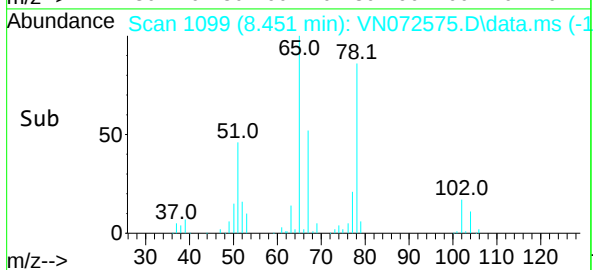
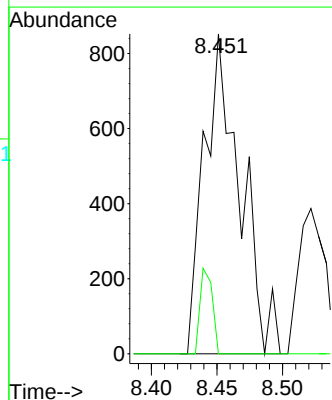
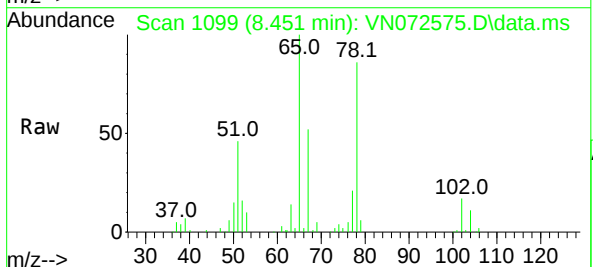
Instrument :
MSVOA_N
ClientSampleId :
31608

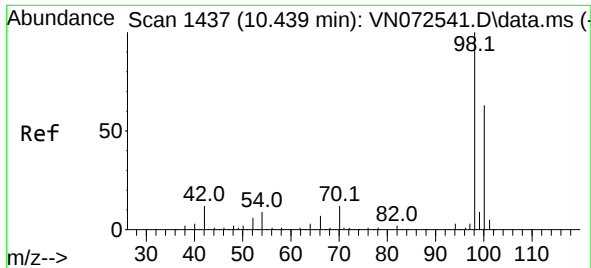
Tgt Ion: 78 Resp: 128075
Ion Ratio Lower Upper
78 100
77 26.8 19.4 29.0



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.451 min Scan# 1099
Delta R.T. -0.077 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 62 Resp: 1628
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.4

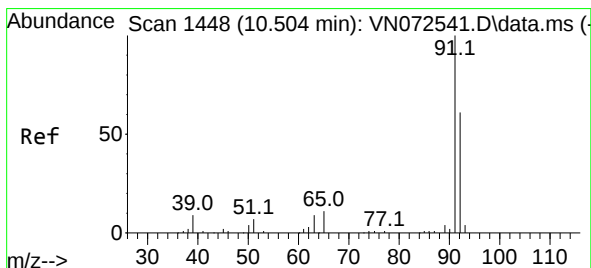
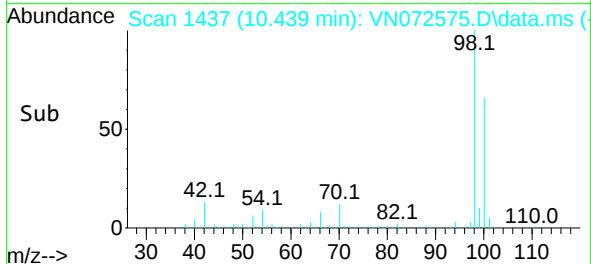
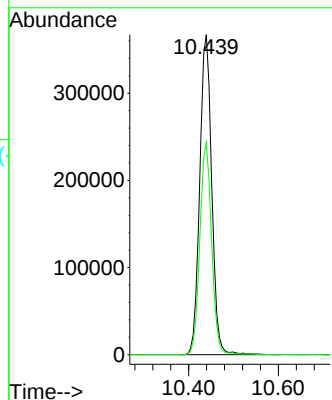
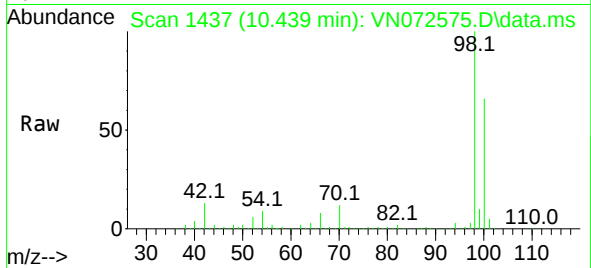




#50
Toluene-d8
Concen: 52.020 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

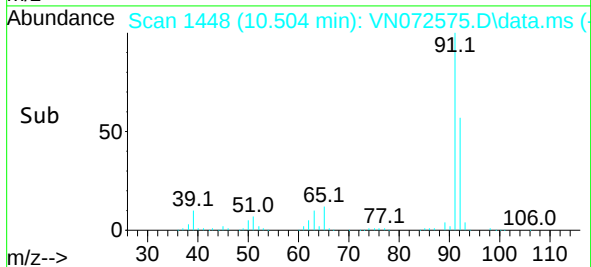
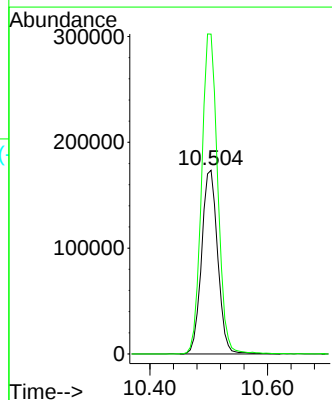
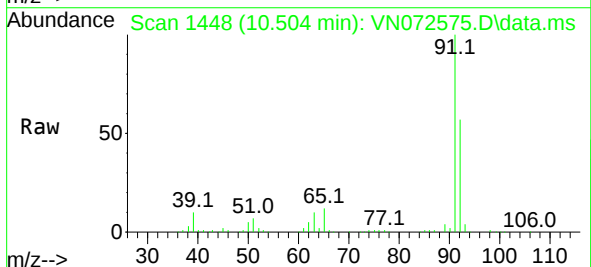
Instrument :
MSVOA_N
ClientSampleId :
31608

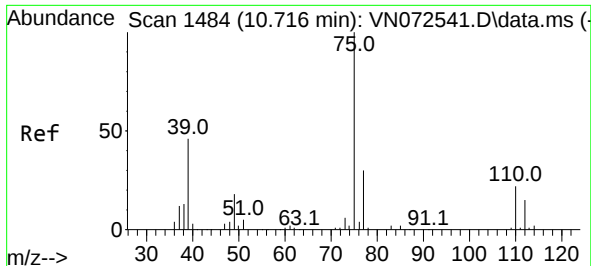
Tgt Ion: 98 Resp: 679846
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#52
Toluene
Concen: 37.042 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 92 Resp: 329863
Ion Ratio Lower Upper
92 100
91 174.3 138.6 207.8

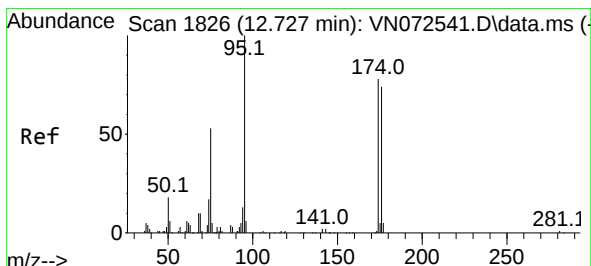
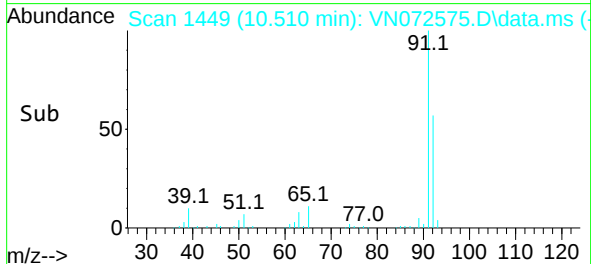
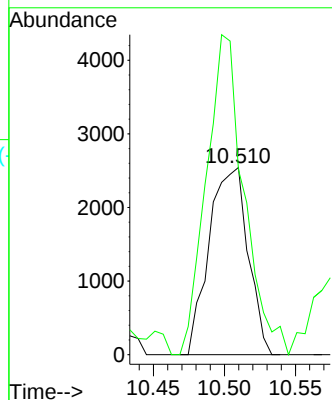
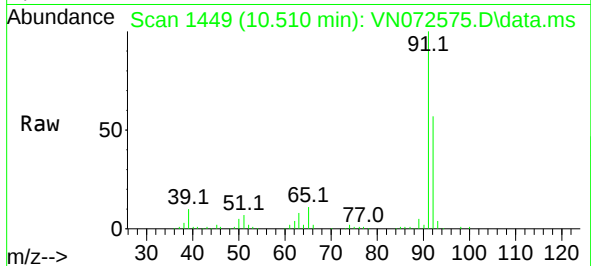




#53
t-1,3-Dichloropropene
Concen: 0.847 ug/l
RT: 10.510 min Scan# 1449
Delta R.T. -0.206 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

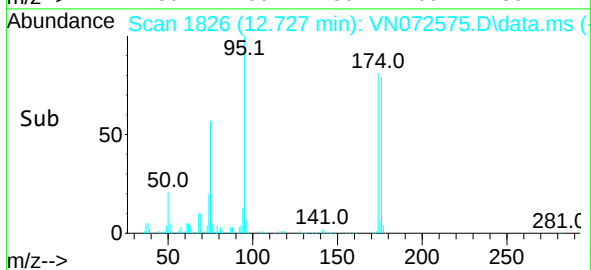
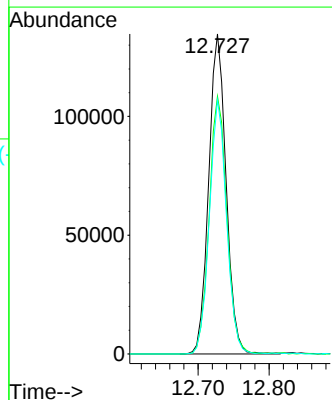
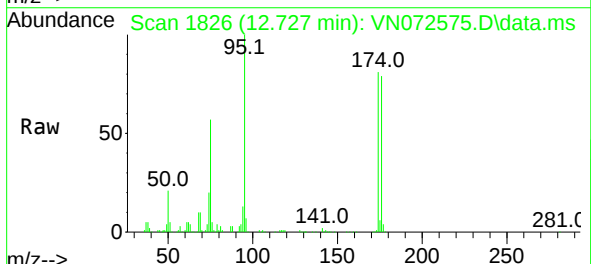
Instrument :
MSVOA_N
ClientSampleId :
31608

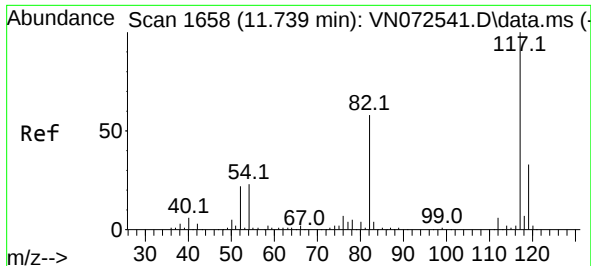
Tgt Ion: 75 Resp: 4839
Ion Ratio Lower Upper
75 100
77 98.9 25.6 38.4#



#62
4-Bromofluorobenzene
Concen: 46.164 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 95 Resp: 229172
Ion Ratio Lower Upper
95 100
174 81.6 0.0 167.6
176 78.2 0.0 163.4

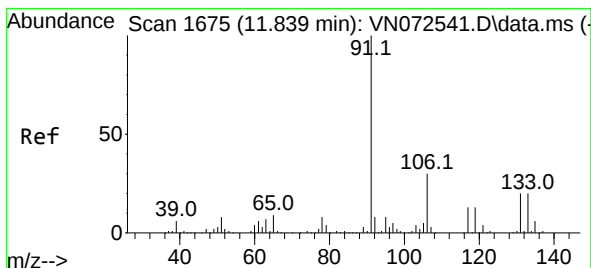
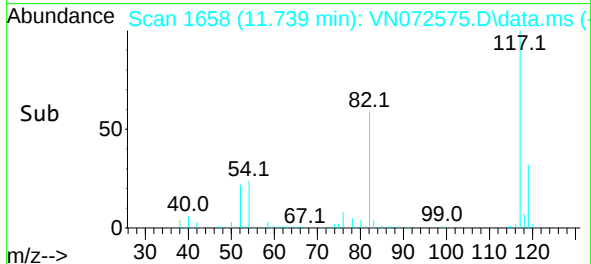
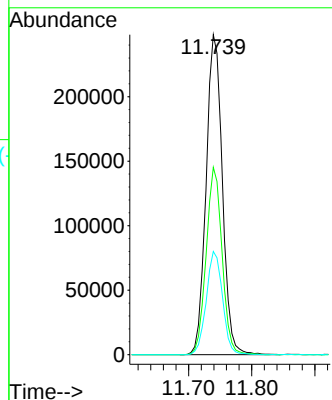
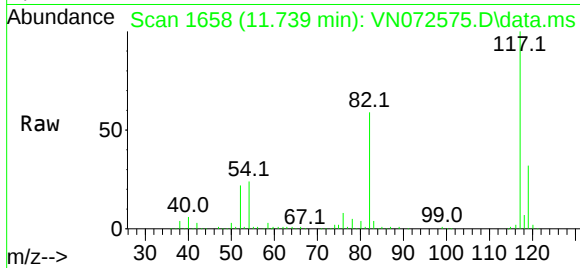




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

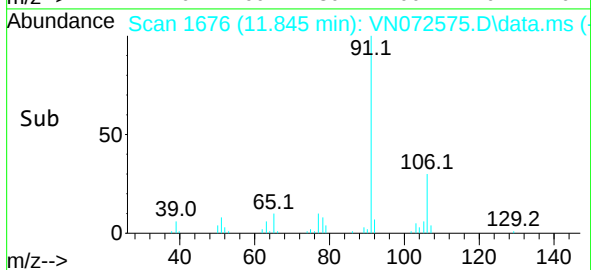
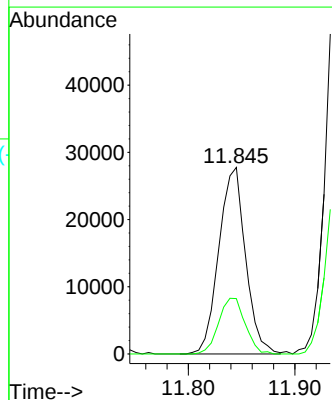
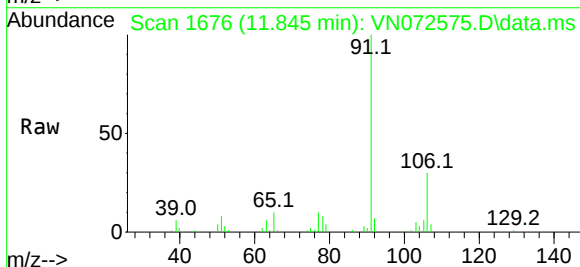
Instrument :
MSVOA_N
ClientSampleId :
31608

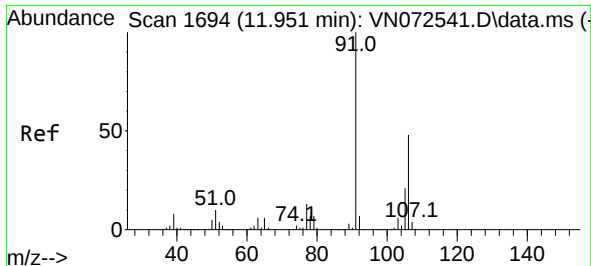
Tgt Ion:117 Resp: 442800
Ion Ratio Lower Upper
117 100
82 58.6 44.2 66.2
119 32.2 25.4 38.0



#67
Ethyl Benzene
Concen: 3.075 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion: 91 Resp: 48303
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3

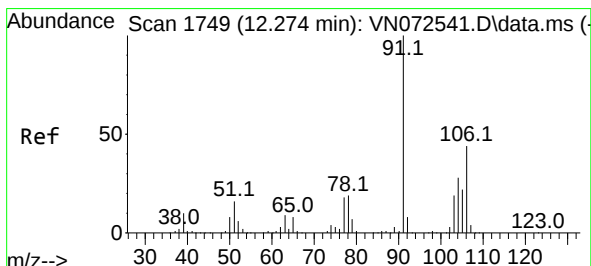
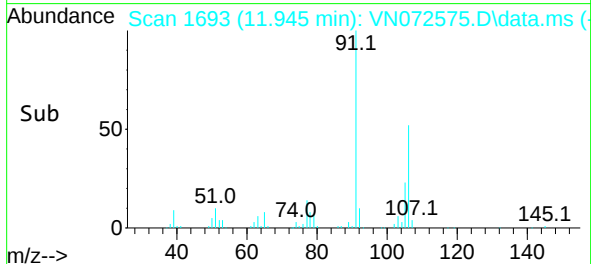
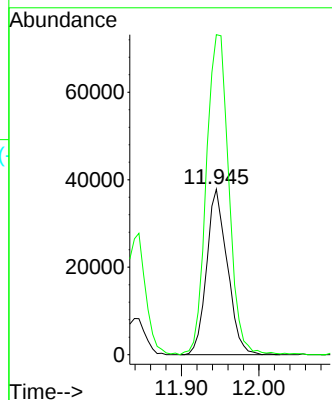
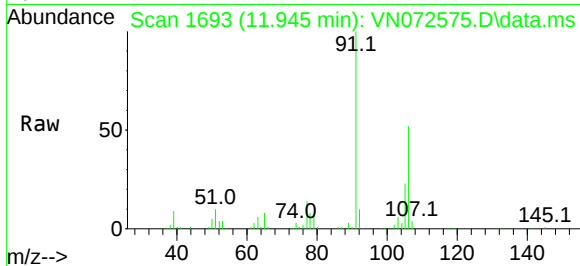




#68
m/p-Xylenes
Concen: 11.593 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

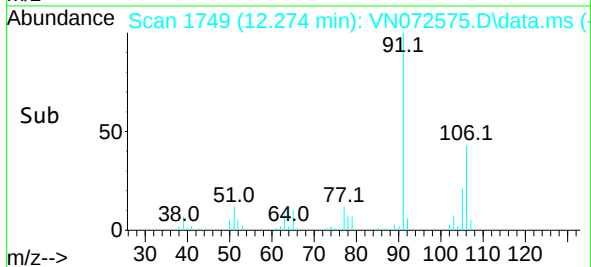
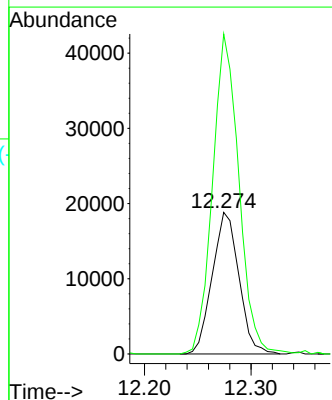
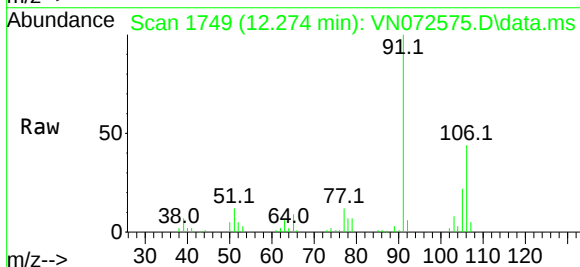
Instrument :
MSVOA_N
ClientSampleId :
31608

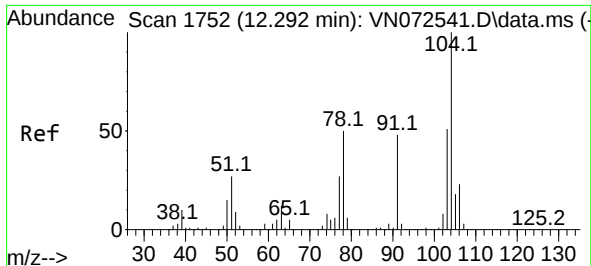
Tgt Ion:106 Resp: 70095
Ion Ratio Lower Upper
106 100
91 210.3 158.9 238.3



#69
o-Xylene
Concen: 5.320 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion:106 Resp: 32767
Ion Ratio Lower Upper
106 100
91 222.7 106.0 318.0

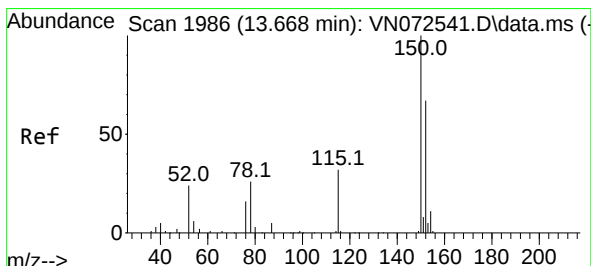
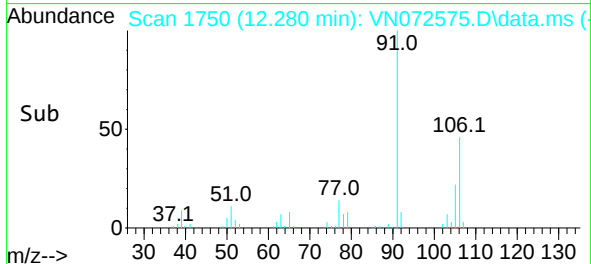
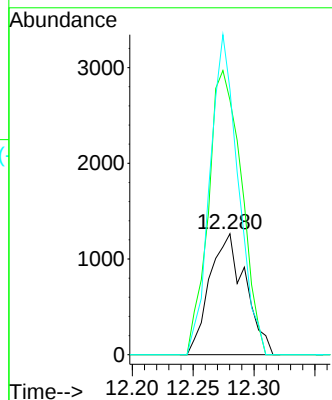
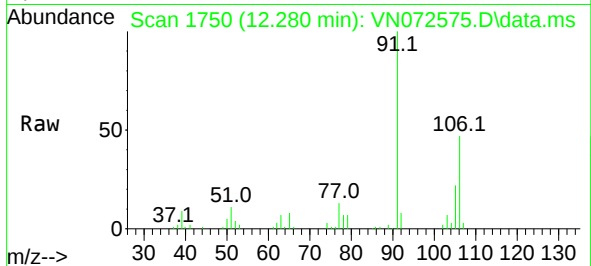




#70
Styrene
Concen: 0.272 ug/l
RT: 12.280 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

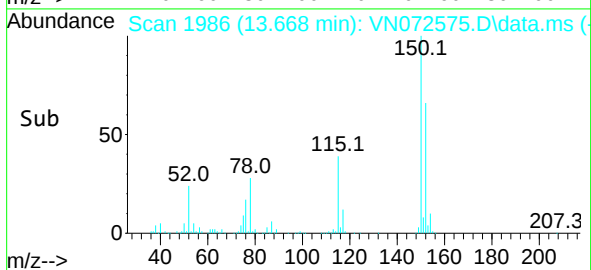
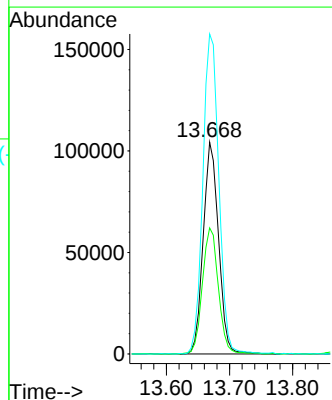
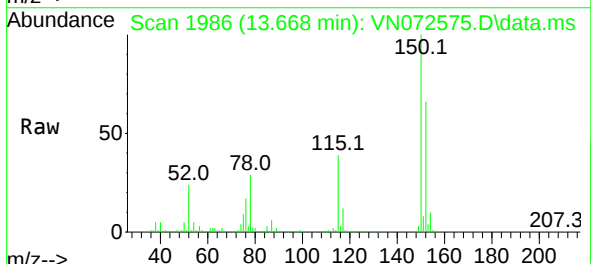
Instrument :
MSVOA_N
ClientSampleId :
31608

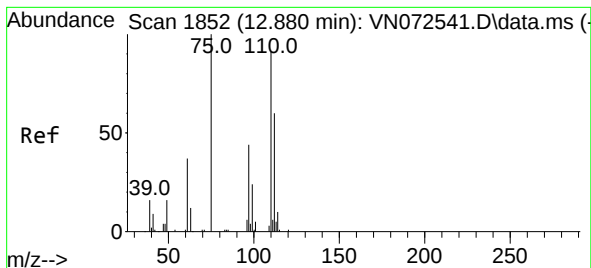
Tgt Ion:104 Resp: 2580
Ion Ratio Lower Upper
104 100
78 218.7 39.5 59.3#
103 209.8 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion:152 Resp: 175828
Ion Ratio Lower Upper
152 100
115 62.0 28.9 86.7
150 157.5 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 23.998 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.153 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

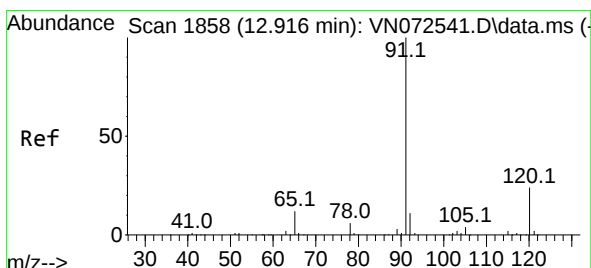
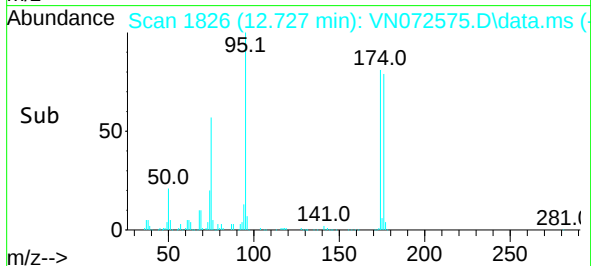
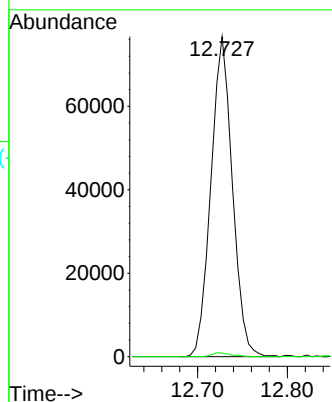
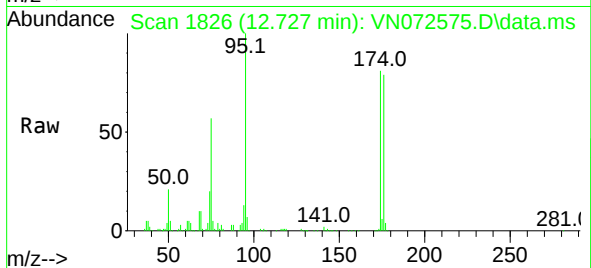
31608

Tgt Ion: 75 Resp: 127468

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#



#78

n-propylbenzene

Concen: 0.326 ug/l

RT: 12.916 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VN072575.D

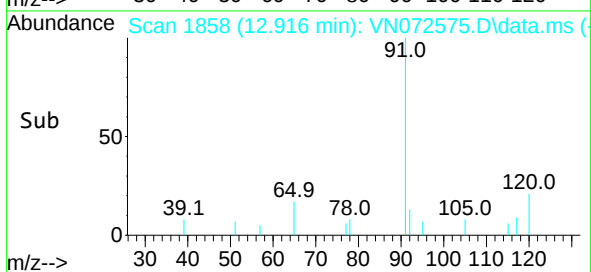
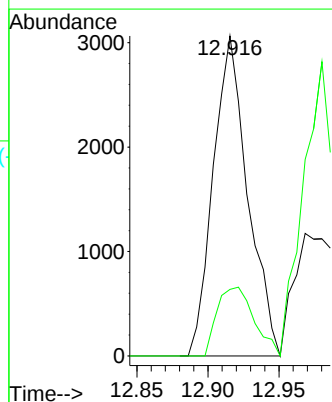
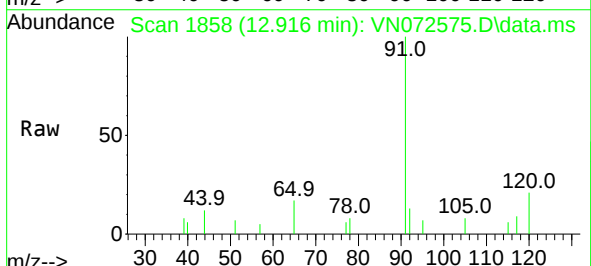
Acq: 20 May 2022 14:24

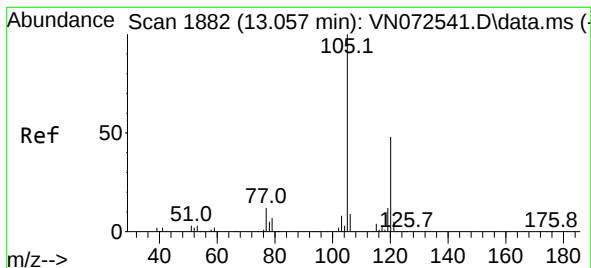
Tgt Ion: 91 Resp: 5178

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.456 ug/l

RT: 13.051 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

Instrument :

MSVOA_N

ClientSampleId :

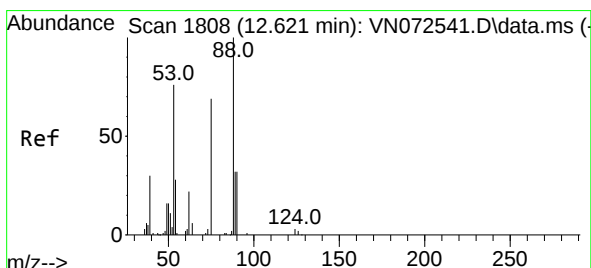
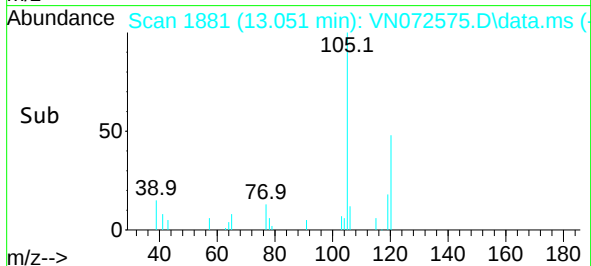
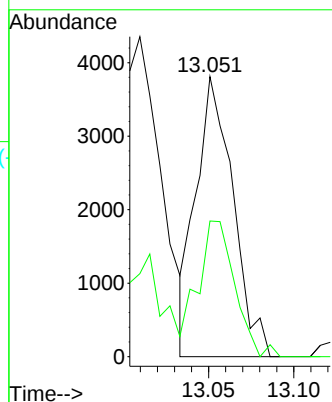
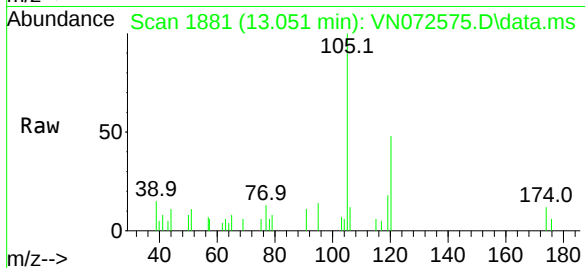
31608

Tgt Ion:105 Resp: 5752

Ion Ratio Lower Upper

105 100

120 48.4 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 100.046 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.106 min

Lab File: VN072575.D

Acq: 20 May 2022 14:24

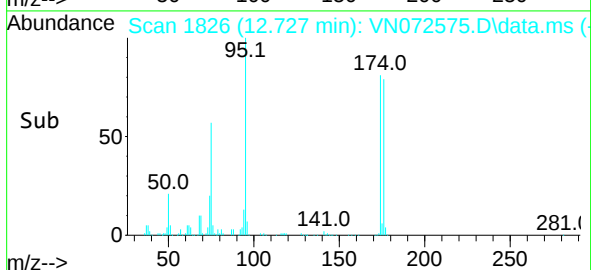
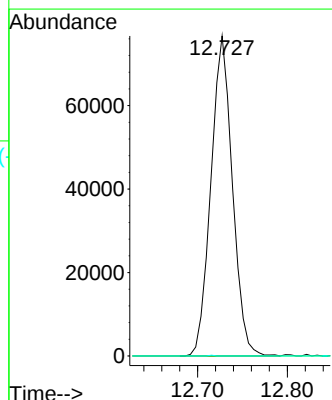
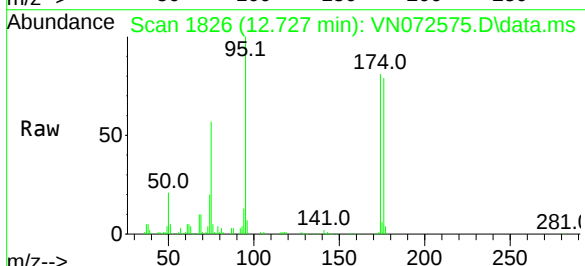
Tgt Ion: 75 Resp: 127468

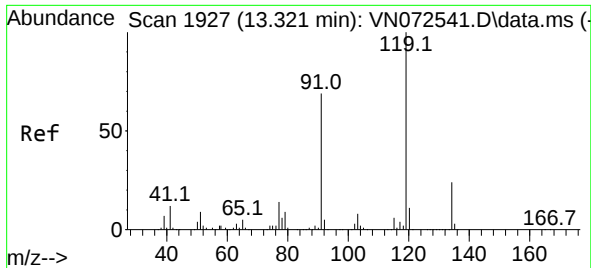
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.1 37.2 55.8#

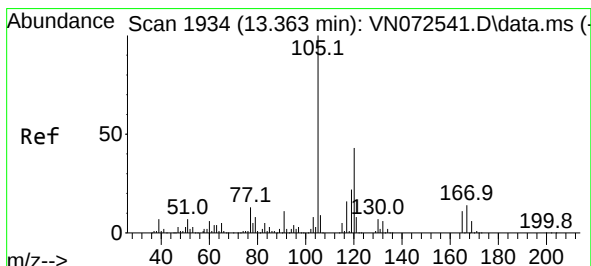
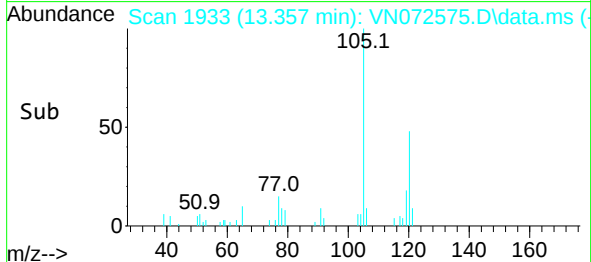
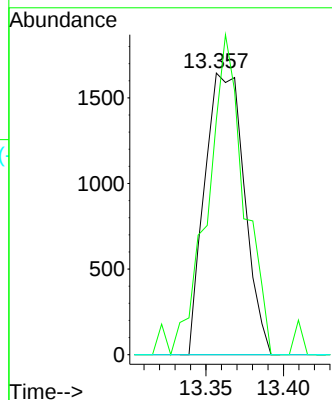
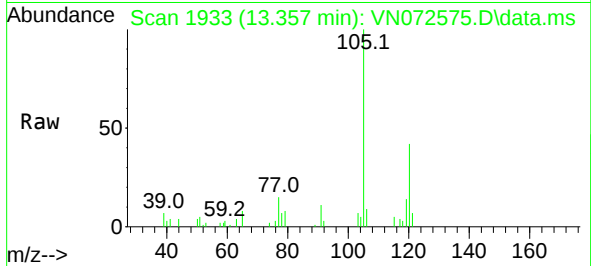




#83
tert-Butylbenzene
Concen: 0.273 ug/l
RT: 13.357 min Scan# 1927
Delta R.T. 0.036 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

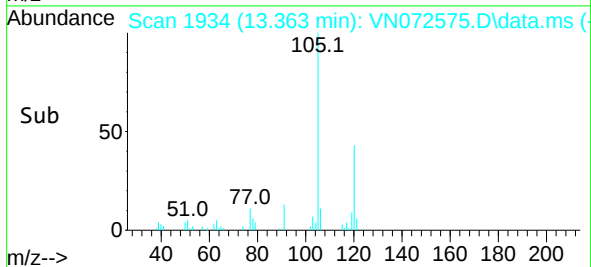
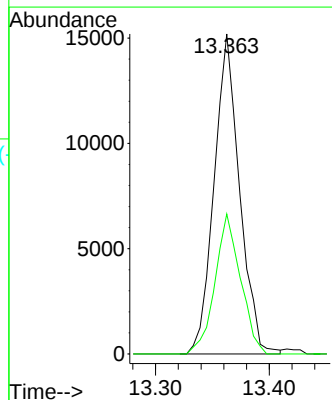
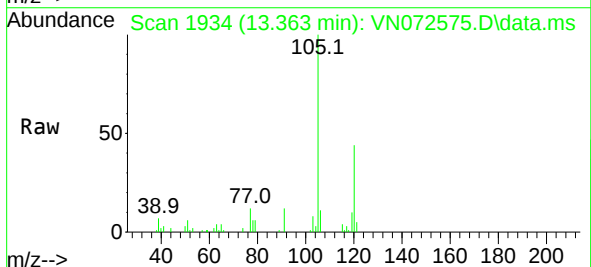
Instrument :
MSVOA_N
ClientSampleId :
31608

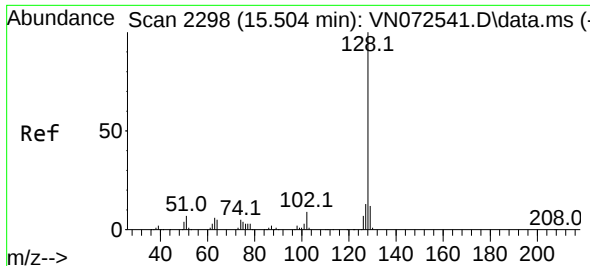
Tgt Ion:119 Resp: 2920
Ion Ratio Lower Upper
119 100
91 106.3 31.6 94.8#
134 0.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.957 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion:105 Resp: 23669
Ion Ratio Lower Upper
105 100
120 43.7 23.3 69.8

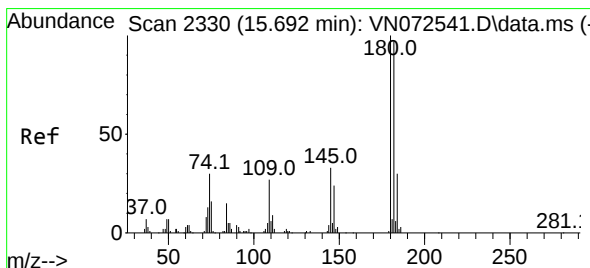
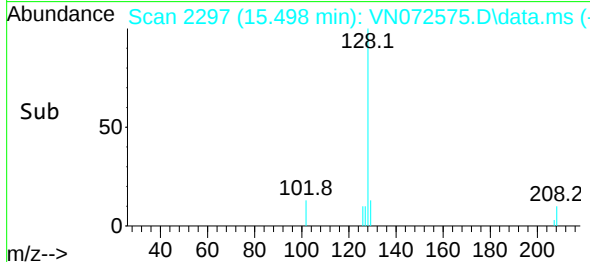
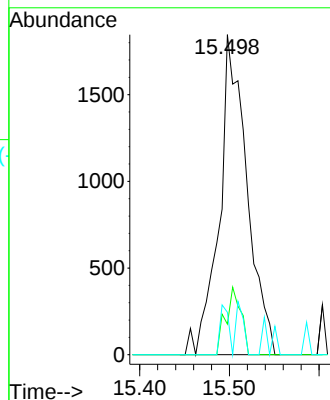
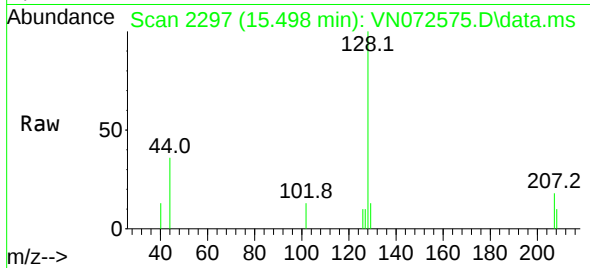




#95
Naphthalene
Concen: 0.510 ug/l
RT: 15.498 min Scan# 211
Delta R.T. -0.006 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Instrument :
MSVOA_N
ClientSampleId :
31608

Tgt Ion:128 Resp: 3950
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 4.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.220 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN072575.D
Acq: 20 May 2022 14:24

Tgt Ion:180 Resp: 606
Ion Ratio Lower Upper
180 100
182 43.7 47.8 143.3#
145 0.0 15.5 46.5#

