

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070622\
 Data File : VN073349.D
 Acq On : 06 Jul 2022 16:49
 Operator : JC\MD
 Sample : N3586-02 10X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31268

Quant Time: Jul 07 04:24:15 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)

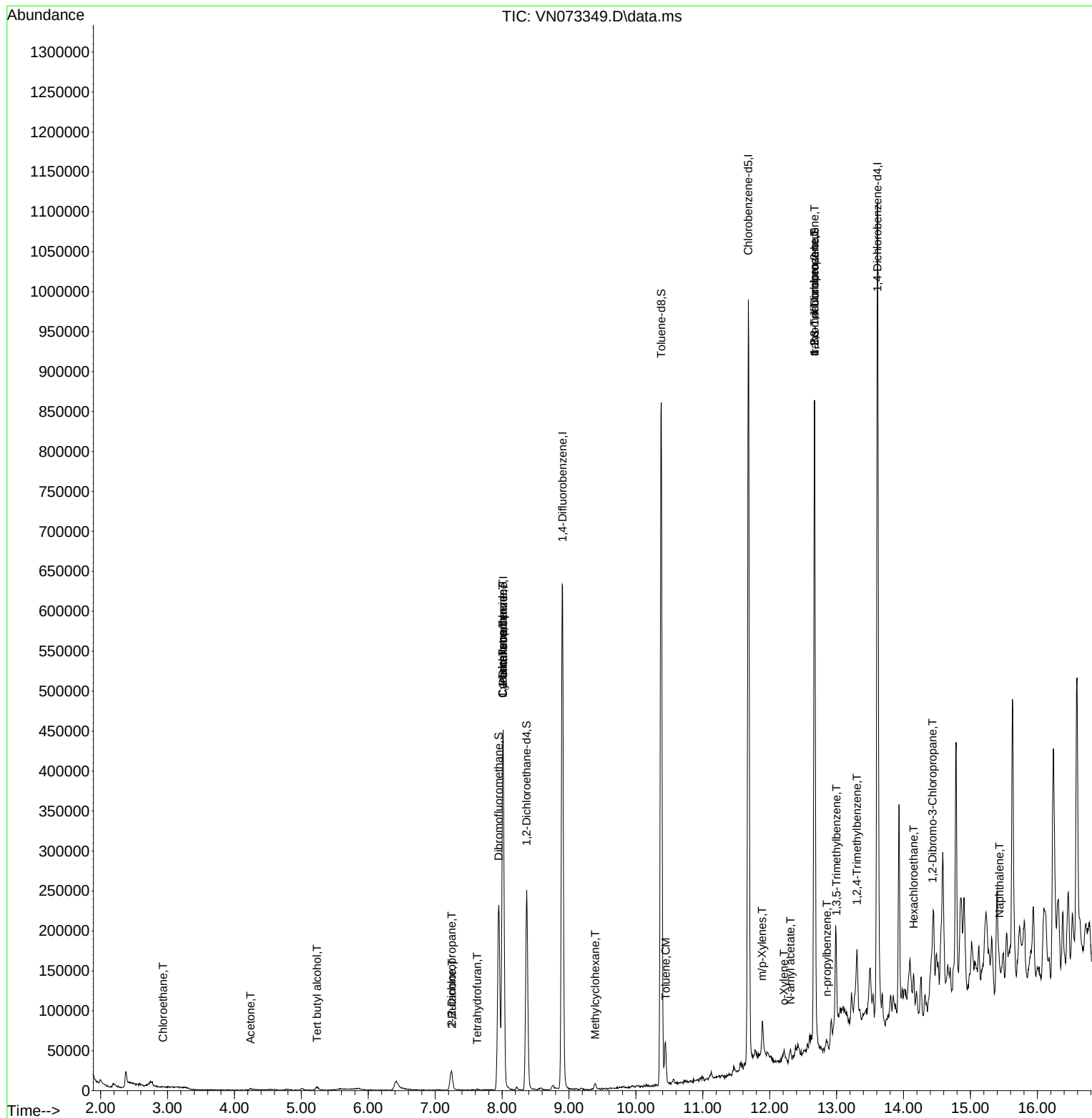
Internal Standards						
1) Pentafluorobenzene	8.016	168	340950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	561314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	541704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	267382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	206102	41.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.740%		
35) Dibromofluoromethane	7.951	113	173791	46.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.080%		
50) Toluene-d8	10.380	98	596569	44.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.669	95	278369	54.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.220%		
Target Compounds					Qvalue	
6) Chloroethane	2.934	64	558	0.231	ug/l #	42
11) Tert butyl alcohol	5.234	59	3482	2.920	ug/l #	72
16) Acetone	4.240	43	3120	1.129	ug/l	93
25) 2-Butanone	7.251	43	1351	0.307	ug/l #	45
26) 2,2-Dichloropropane	7.245	77	1643	0.218	ug/l #	53
29) Tetrahydrofuran	7.628	42	1071	0.356	ug/l #	57
31) Cyclohexane	8.010	56	8457	1.049	ug/l #	13
36) 1,1-Dichloropropene	8.010	75	27452	4.777	ug/l #	49
38) Carbon Tetrachloride	8.010	117	34122	5.742	ug/l #	17
39) Methylcyclohexane	9.392	83	2771	0.387	ug/l #	64
52) Toluene	10.445	92	20038	1.828	ug/l	98
68) m/p-Xylenes	11.886	106	8321	0.991	ug/l	82
69) o-Xylene	12.216	106	3934	0.459	ug/l	99
74) N-amyl acetate	12.310	43	2978	0.258	ug/l #	57
76) 1,2,3-Trichloropropane	12.669	75	144055	20.604	ug/l #	1
78) n-propylbenzene	12.857	91	6829	0.266	ug/l	82
80) 1,3,5-Trimethylbenzene	12.998	105	10923	0.580	ug/l	85
81) trans-1,4-Dichloro-2-b...	12.669	75	144055	56.506	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	35026	1.864	ug/l	94
90) Hexachloroethane	14.151	117	1473	0.432	ug/l #	53
92) 1,2-Dibromo-3-Chloropr...	14.433	75	1351	0.725	ug/l	86
95) Naphthalene	15.433	128	14767	0.717	ug/l	97

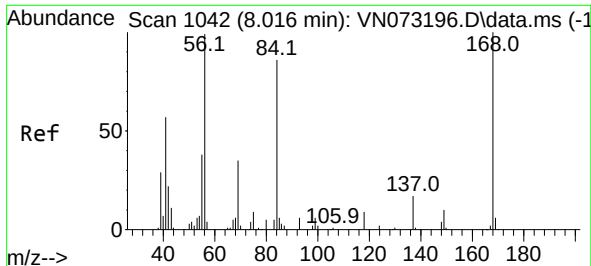
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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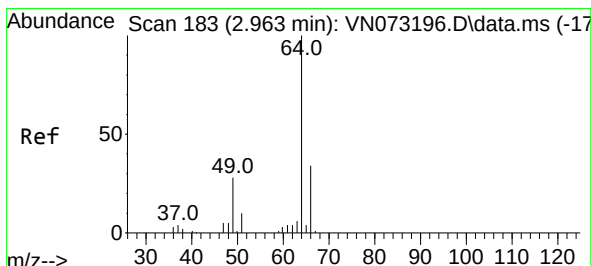
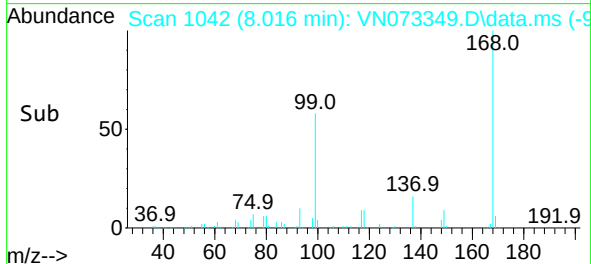
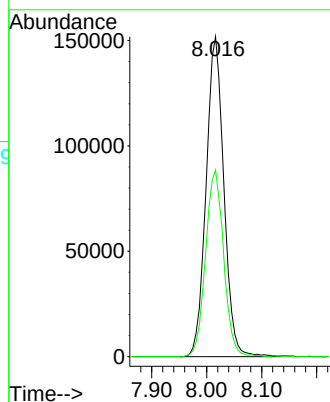
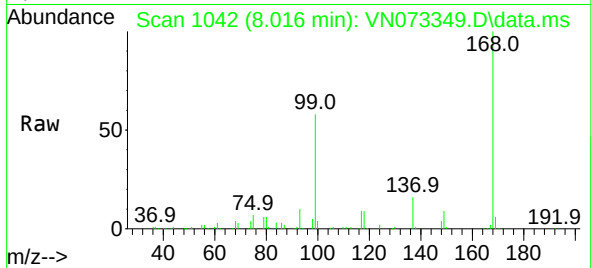




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

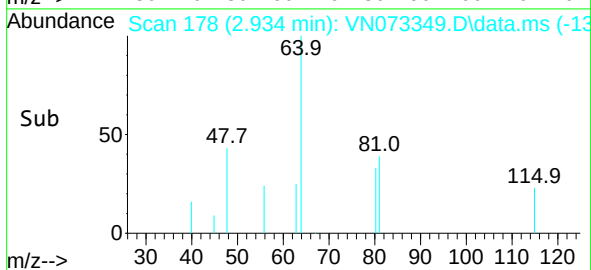
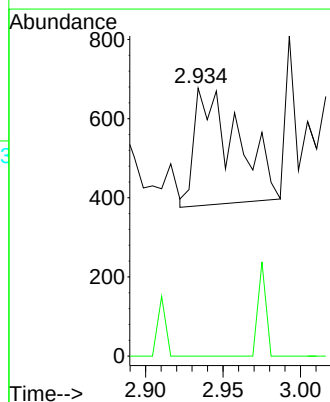
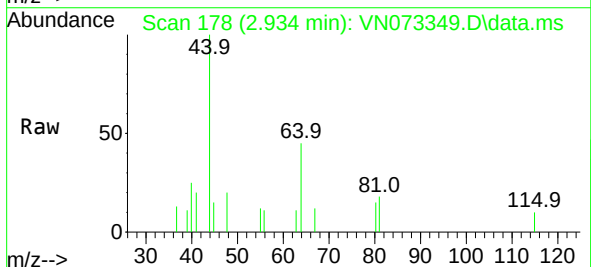
Instrument :
MSVOA_N
ClientSampleId :
31268

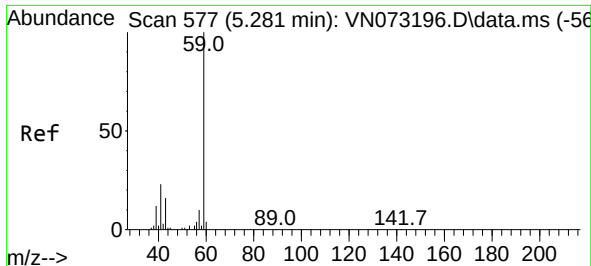
Tgt Ion:168 Resp: 340950
Ion Ratio Lower Upper
168 100
99 58.3 42.3 63.5



#6
Chloroethane
Concen: 0.231 ug/l
RT: 2.934 min Scan# 178
Delta R.T. -0.029 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 64 Resp: 558
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 2.920 ug/l

RT: 5.234 min Scan# 50

Delta R.T. -0.047 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

Instrument :

MSVOA_N

ClientSampleId :

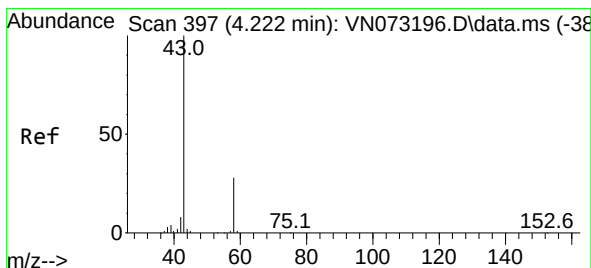
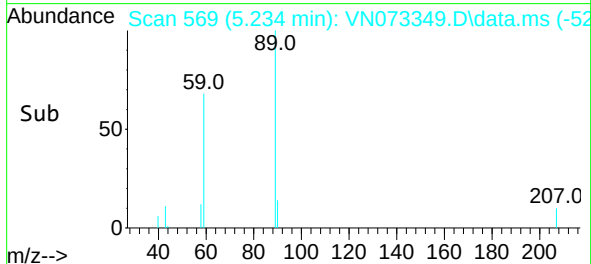
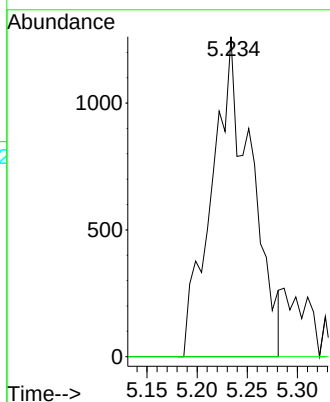
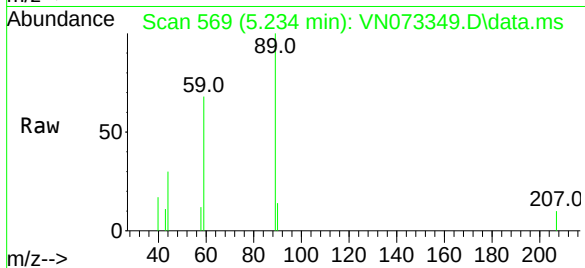
31268

Tgt Ion: 59 Resp: 3482

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 1.129 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN073349.D

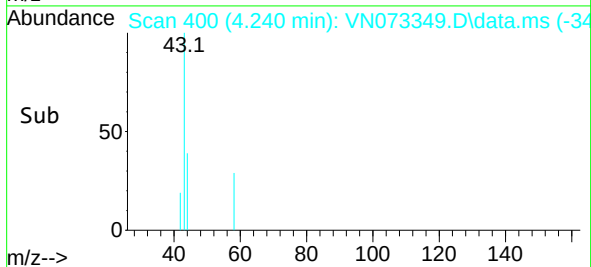
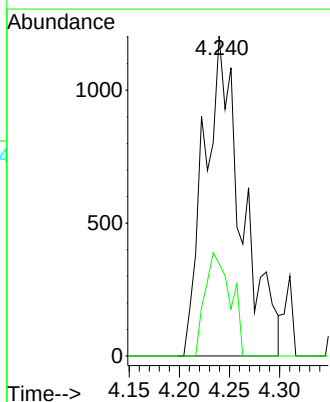
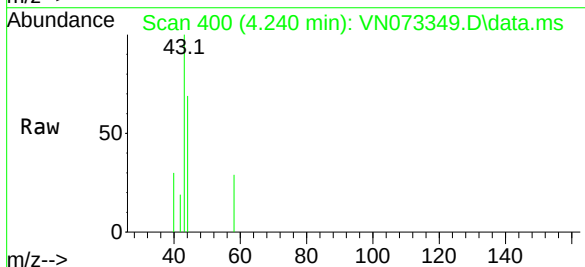
Acq: 06 Jul 2022 16:49

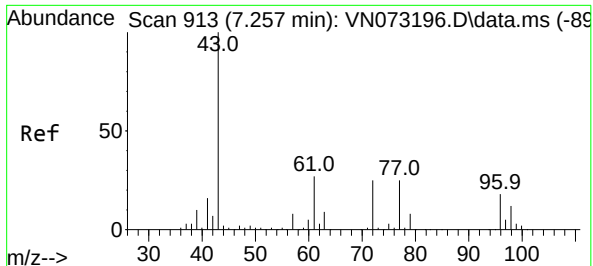
Tgt Ion: 43 Resp: 3120

Ion Ratio Lower Upper

43 100

58 28.8 26.0 39.0

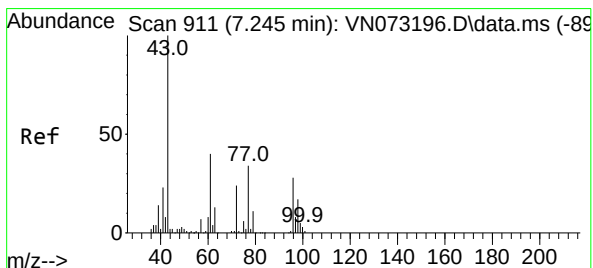
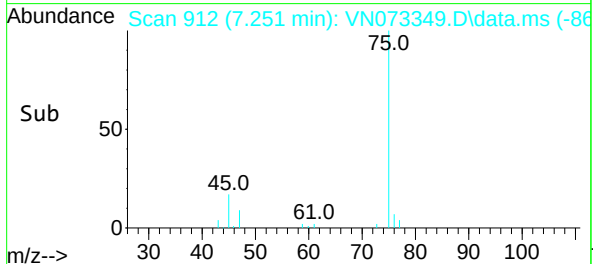
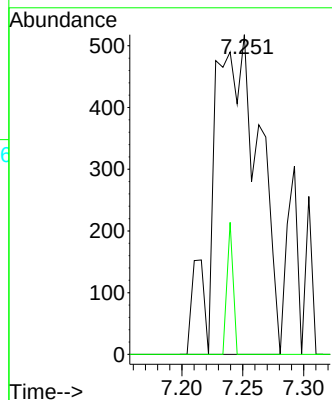
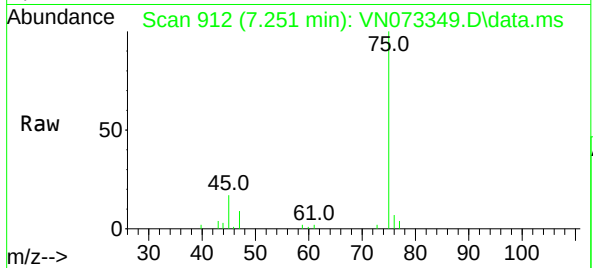




#25
2-Butanone
Concen: 0.307 ug/l
RT: 7.251 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

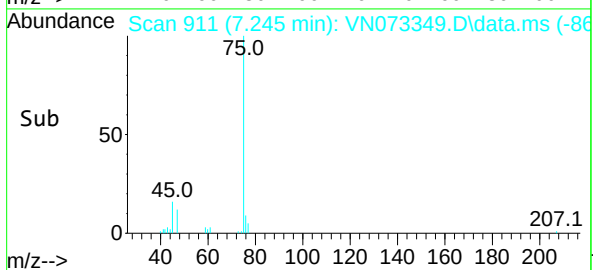
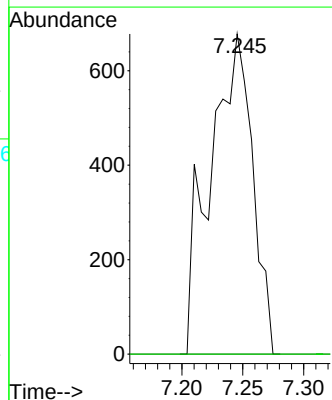
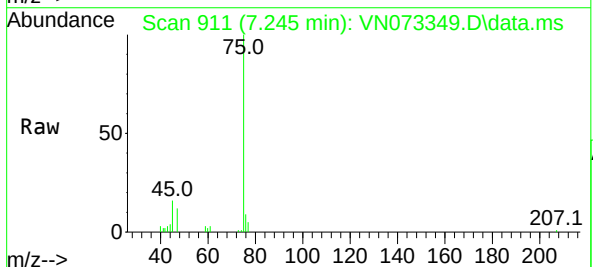
Instrument :
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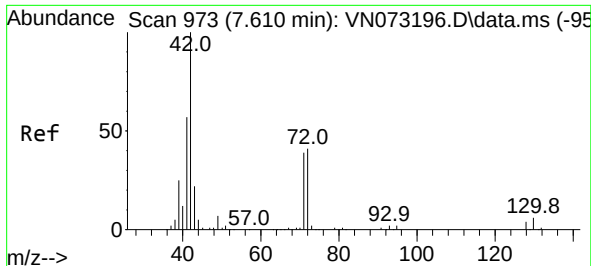
Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.218 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 77 Resp: 1643
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.356 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

Instrument :

MSVOA_N

ClientSampleId :

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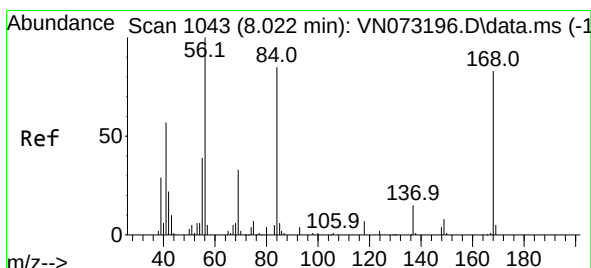
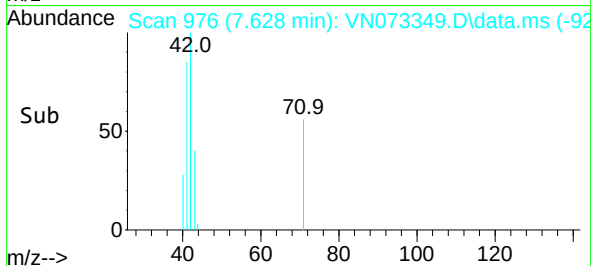
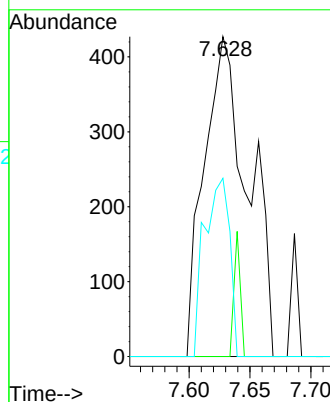
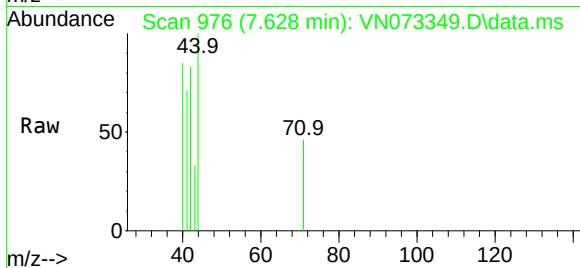
Tgt Ion: 42 Resp: 1071

Ion Ratio Lower Upper

42 100

72 5.5 39.7 59.5#

71 32.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.049 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

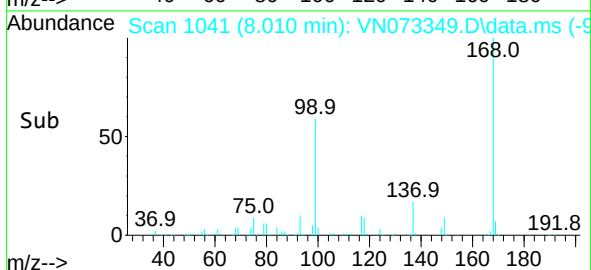
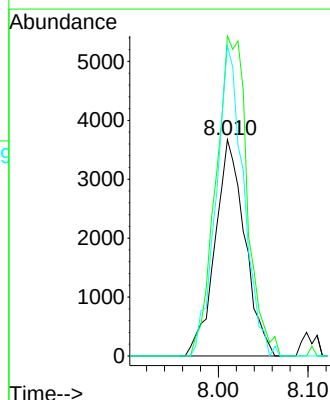
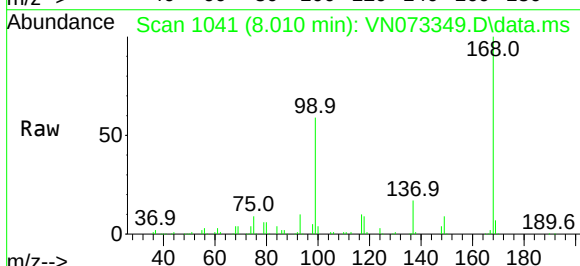
Tgt Ion: 56 Resp: 8457

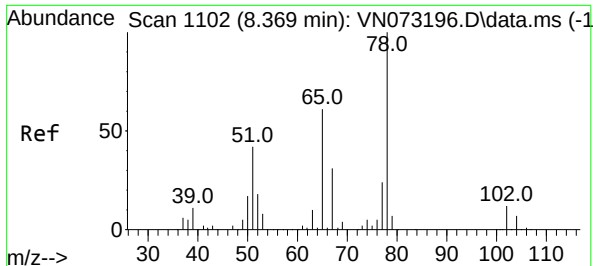
Ion Ratio Lower Upper

56 100

69 147.9 27.8 41.8#

84 143.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 41.874 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

Instrument :

MSVOA_N

ClientSampleId :

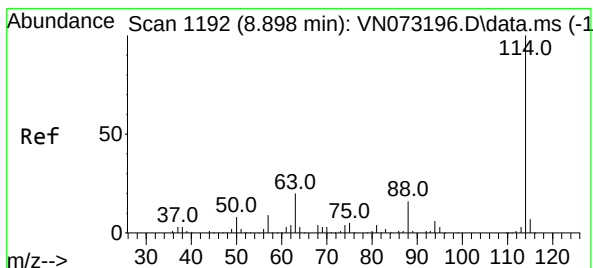
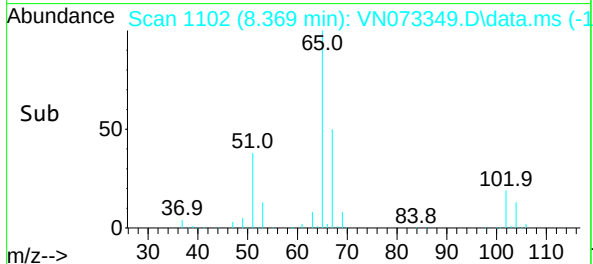
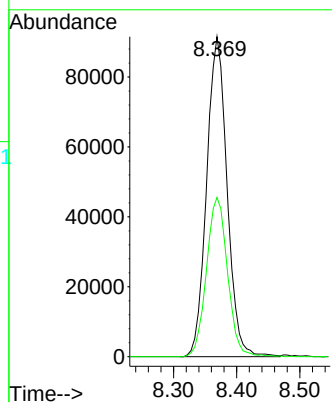
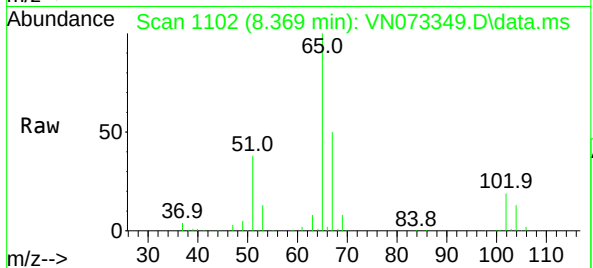
31268

Tgt Ion: 65 Resp: 206102

Ion Ratio Lower Upper

65 100

67 51.2 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: VN073349.D

Acq: 06 Jul 2022 16:49

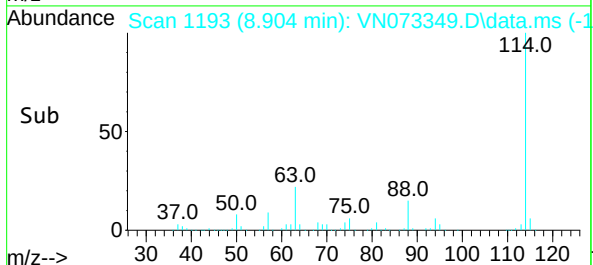
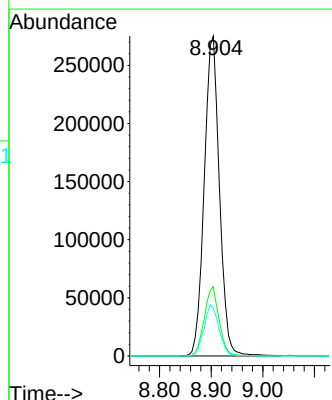
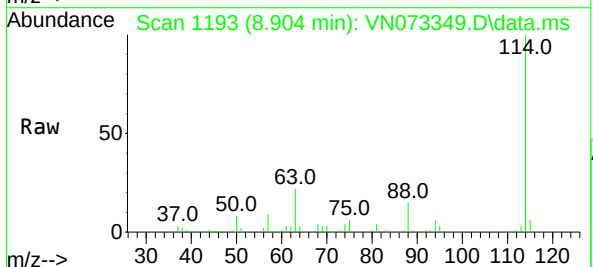
Tgt Ion: 114 Resp: 561314

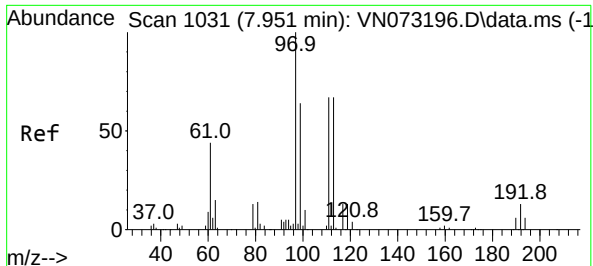
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 14.9 0.0 32.6

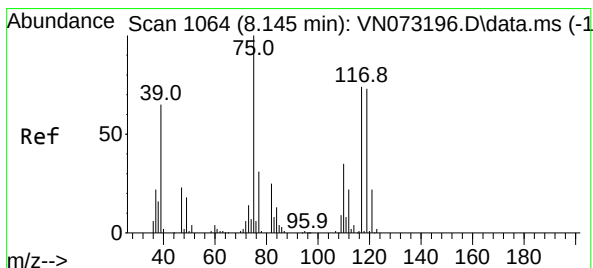
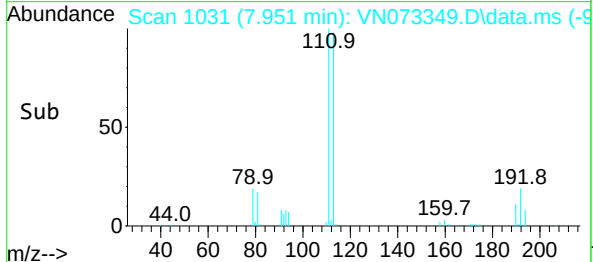
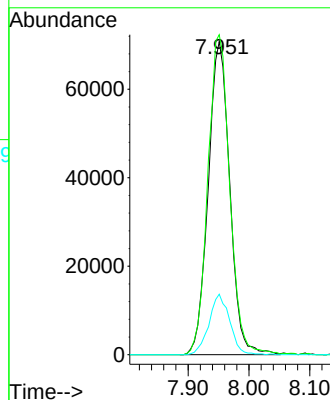
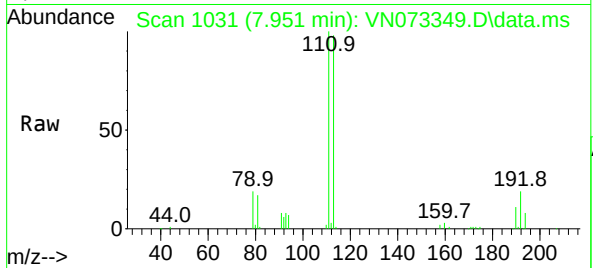




#35
Dibromofluoromethane
Concen: 46.537 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

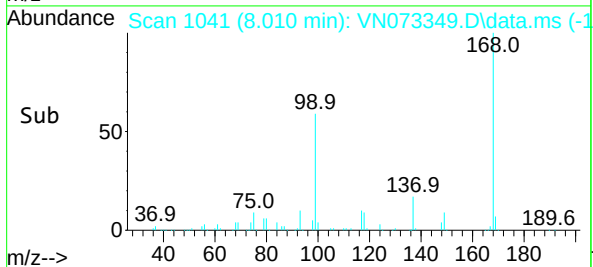
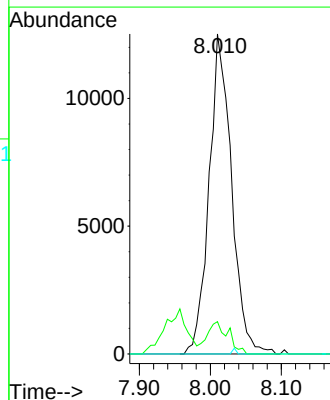
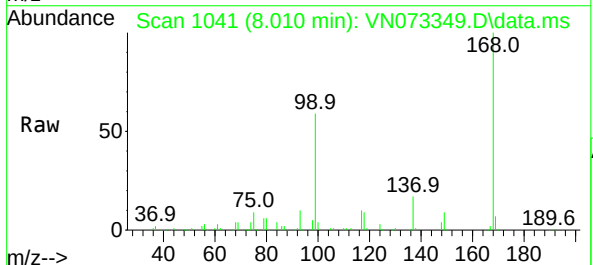
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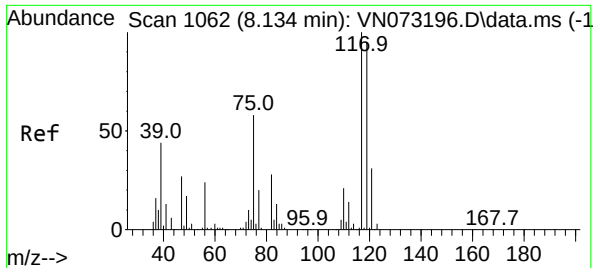
Tgt Ion:113 Resp: 173791
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 18.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 75 Resp: 27452
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 25.1 37.7#

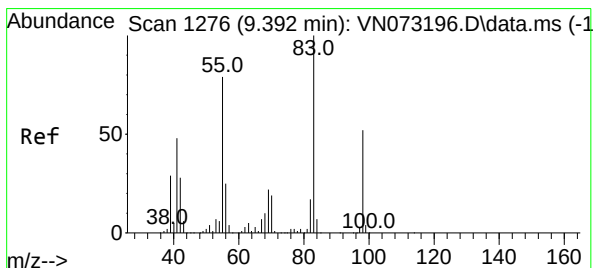
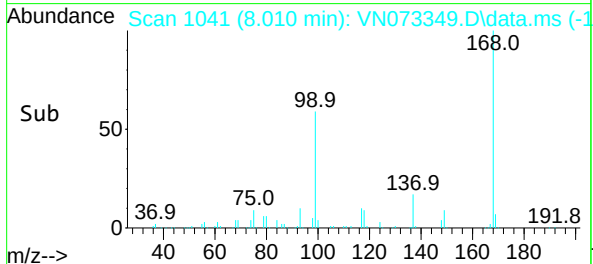
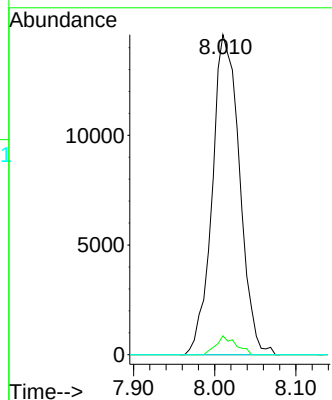
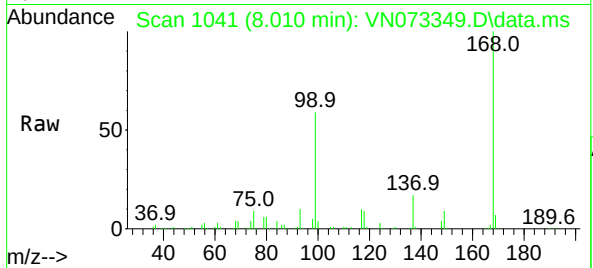




#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

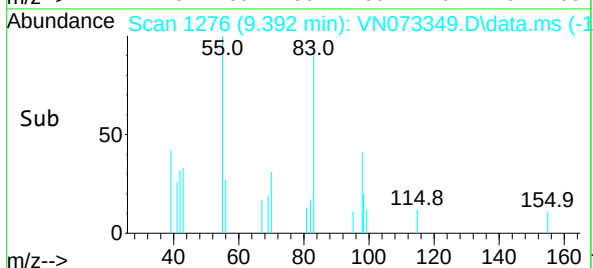
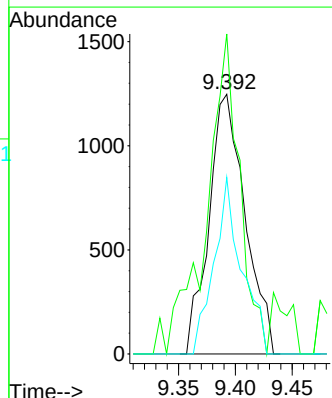
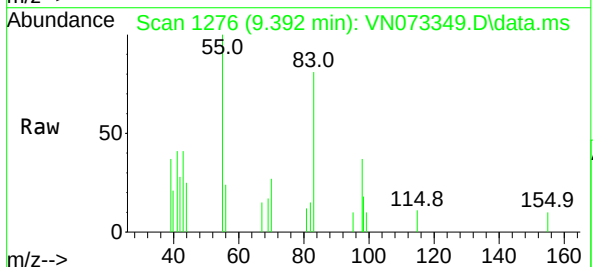
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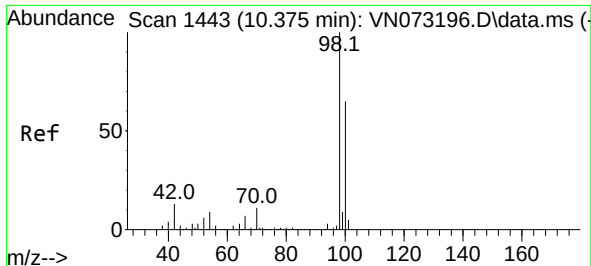
Tgt Ion:117 Resp: 34122
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.387 ug/l
RT: 9.392 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 83 Resp: 2771
Ion Ratio Lower Upper
83 100
55 106.7 57.8 86.8#
98 68.0 39.4 59.2#

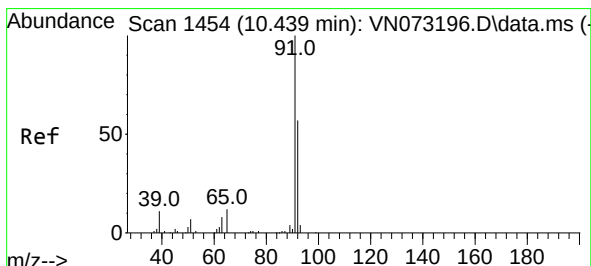
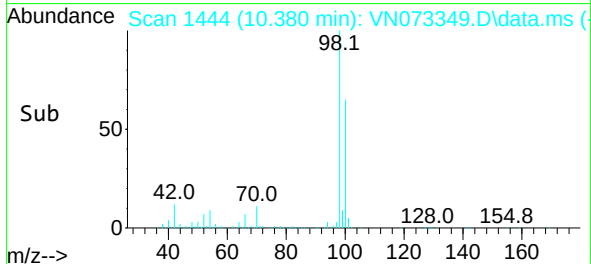
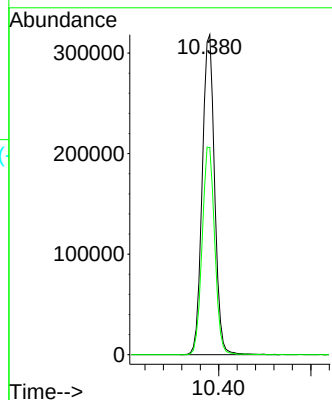
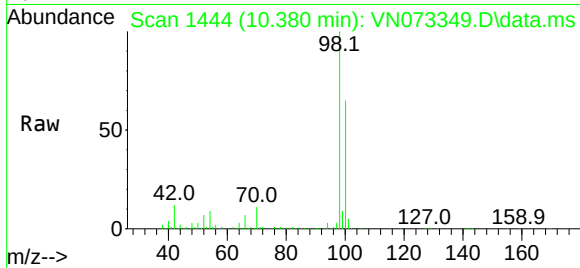




#50
Toluene-d8
Concen: 44.978 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

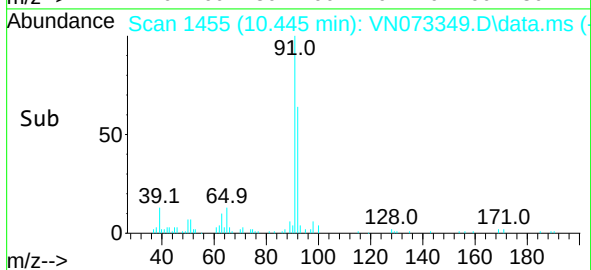
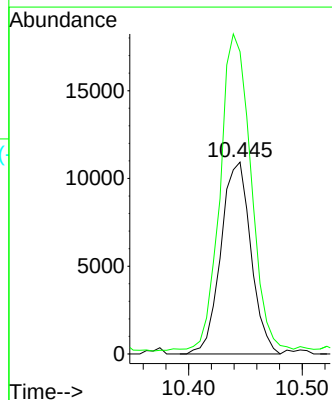
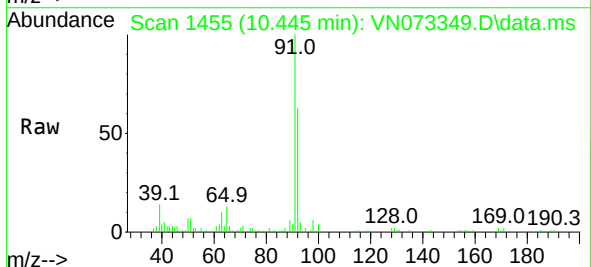
Instrument :
MSVOA_N
ClientSampleId :
31268

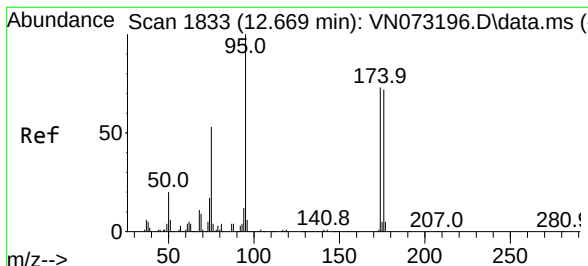
Tgt Ion: 98 Resp: 596569
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#52
Toluene
Concen: 1.828 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 92 Resp: 20038
Ion Ratio Lower Upper
92 100
91 170.5 138.6 207.8

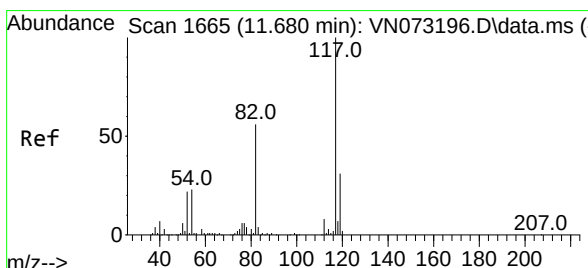
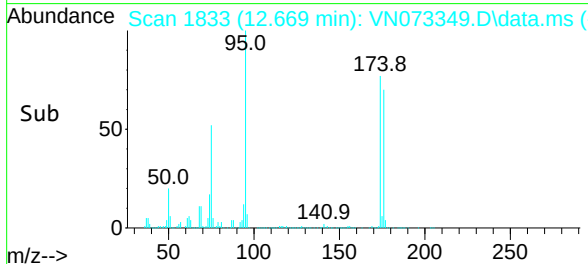
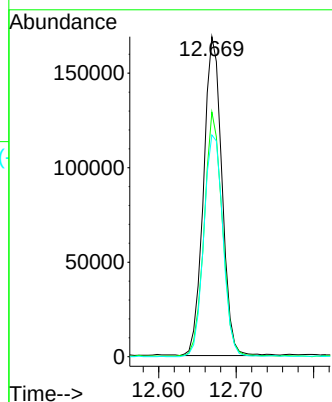
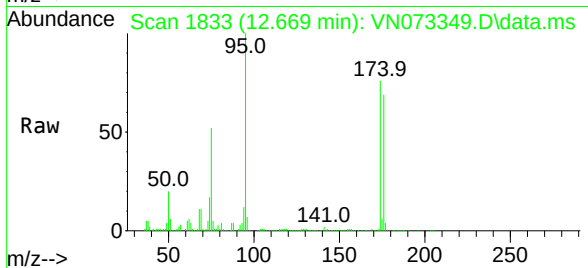




#62
4-Bromofluorobenzene
Concen: 54.612 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

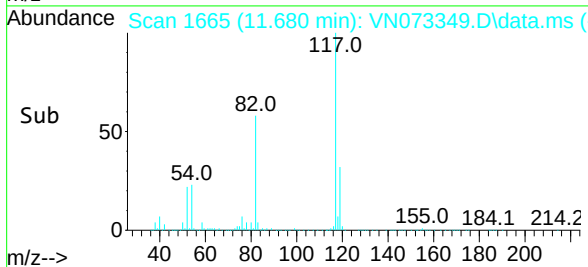
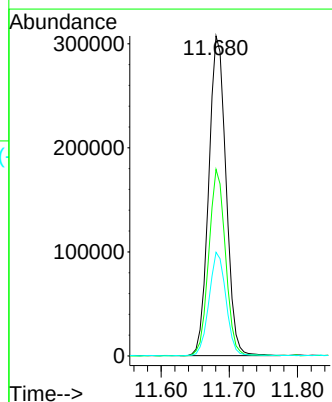
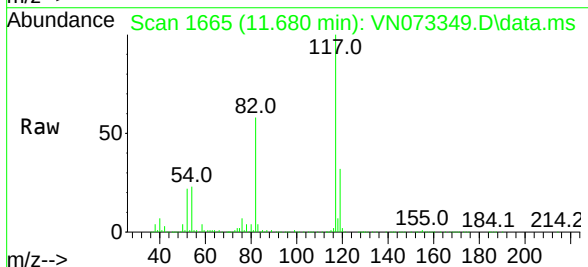
Instrument :
MSVOA_N
ClientSampleId :
31268

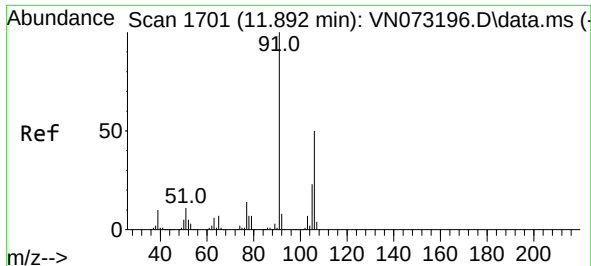
Tgt Ion: 95 Resp: 278369
Ion Ratio Lower Upper
95 100
174 74.8 0.0 167.6
176 72.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 117 Resp: 541704
Ion Ratio Lower Upper
117 100
82 58.2 44.2 66.2
119 32.4 25.4 38.0

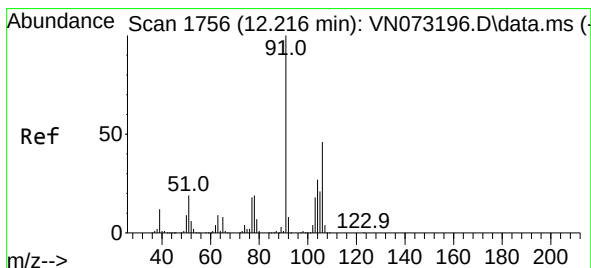
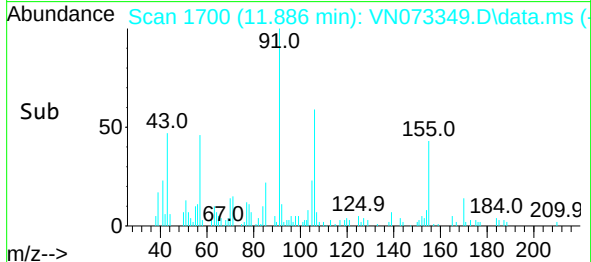
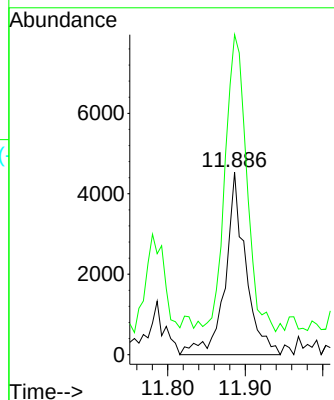
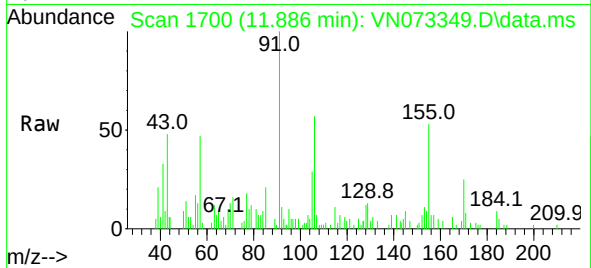




#68
m/p-Xylenes
Concen: 0.991 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

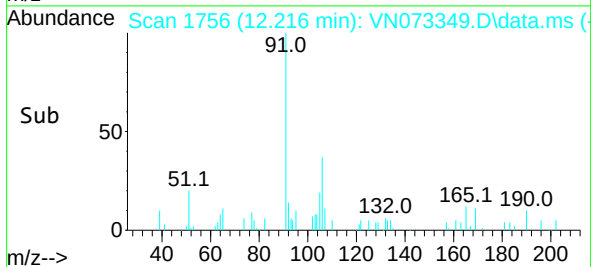
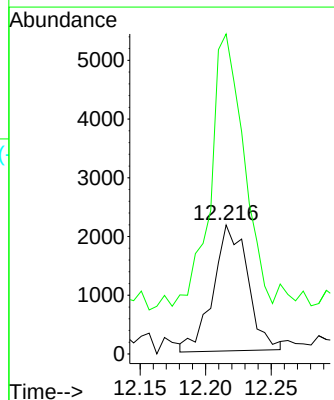
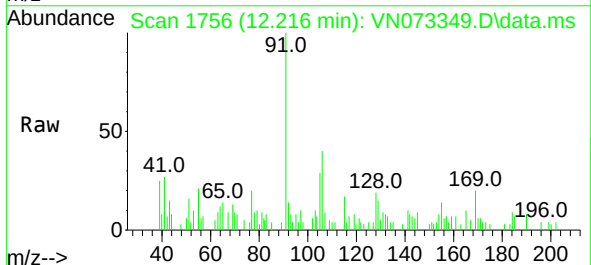
Instrument :
MSVOA_N
ClientSampleId :
31268

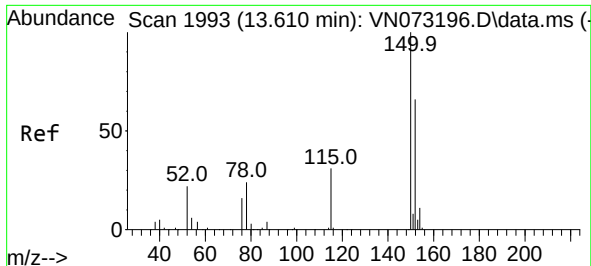
Tgt Ion:106 Resp: 8321
Ion Ratio Lower Upper
106 100
91 171.5 158.9 238.3



#69
o-Xylene
Concen: 0.459 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion:106 Resp: 3934
Ion Ratio Lower Upper
106 100
91 210.4 106.0 318.0

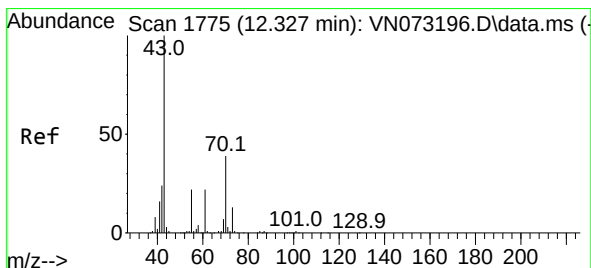
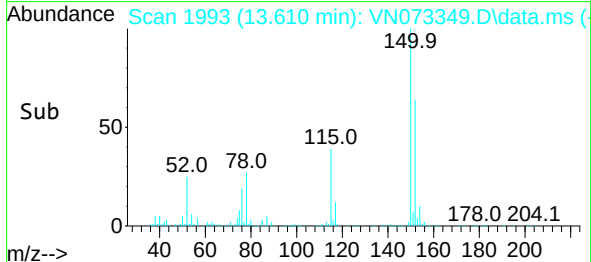
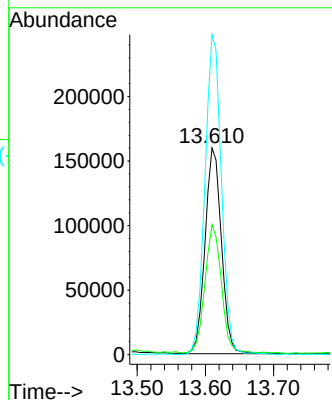
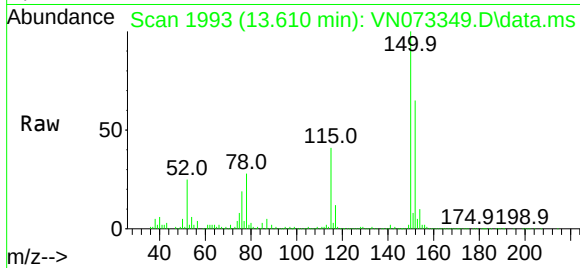




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

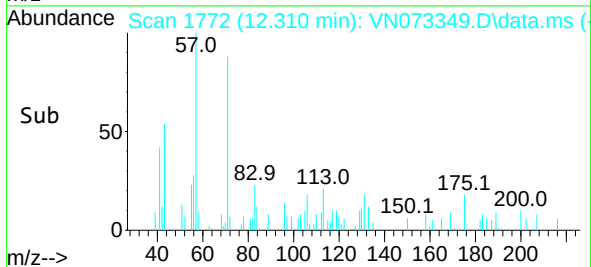
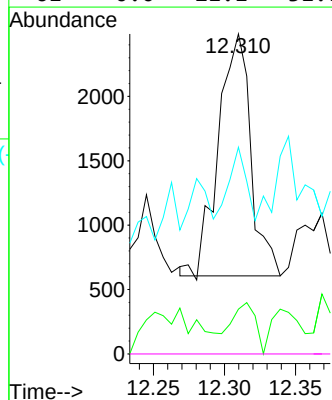
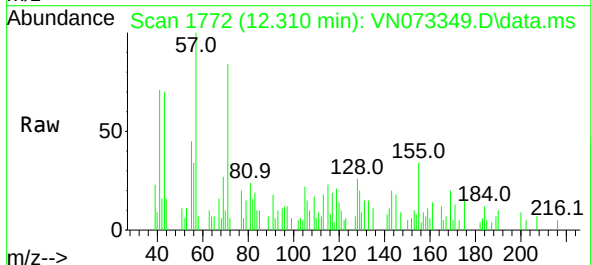
Instrument :
MSVOA_N
ClientSampleId :
31268

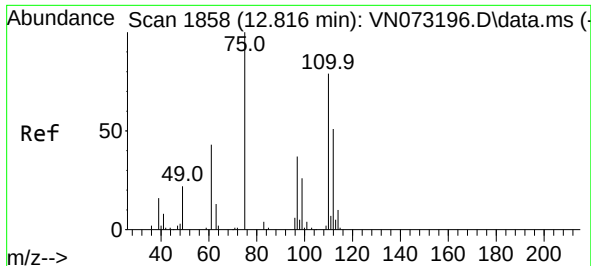
Tgt Ion:152 Resp: 267382
Ion Ratio Lower Upper
152 100
115 63.4 28.9 86.7
150 155.8 0.0 356.2



#74
N-ethyl acetate
Concen: 0.258 ug/l
RT: 12.310 min Scan# 1772
Delta R.T. -0.017 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
70 15.1 39.0 58.4#
55 15.6 21.1 31.7#
61 0.0 21.1 31.7#

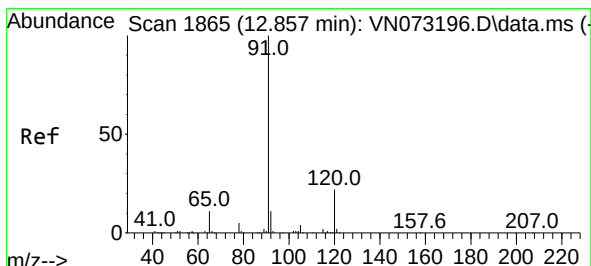
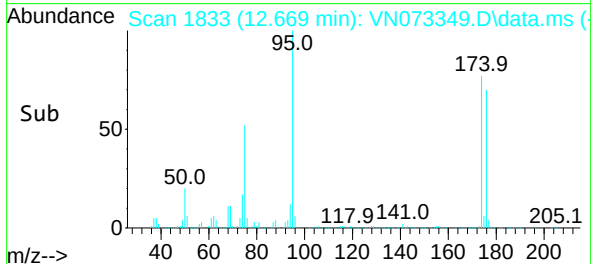
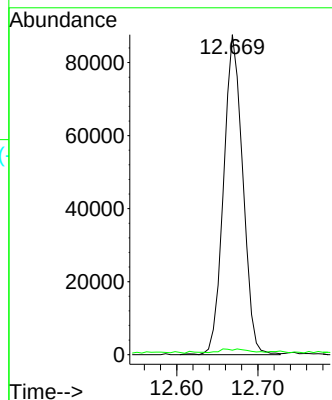
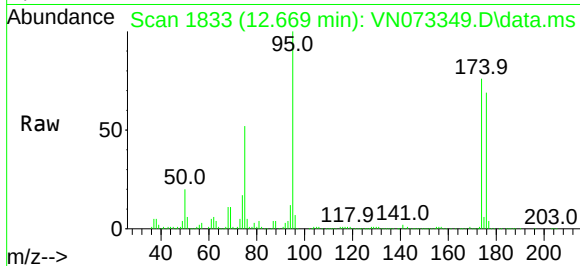




#76
1,2,3-Trichloropropane
Concen: 20.604 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

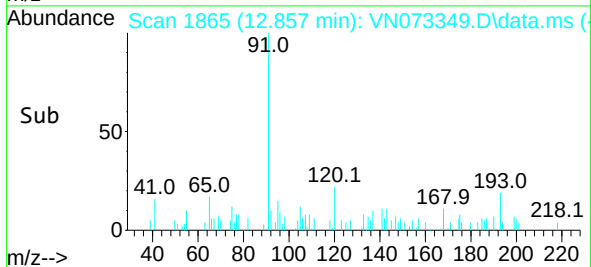
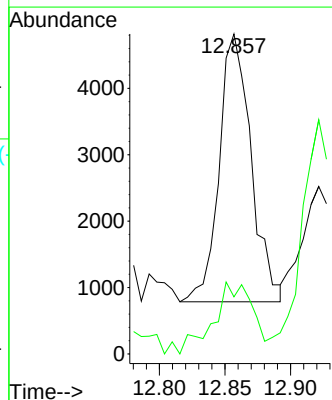
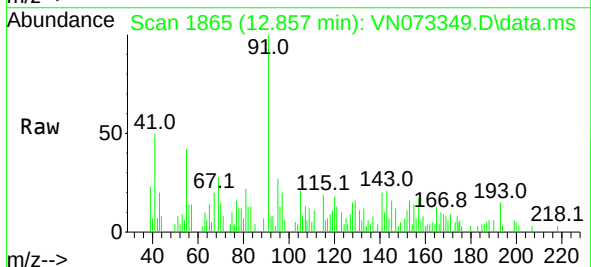
Instrument :
MSVOA_N
ClientSampleId :
31268

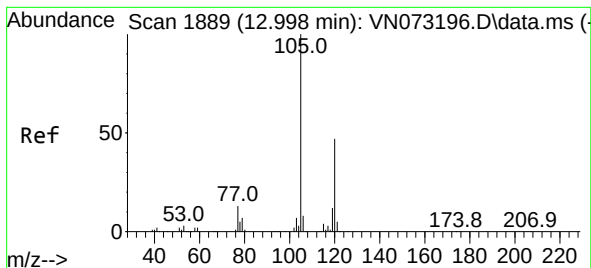
Tgt Ion: 75 Resp: 144055
Ion Ratio Lower Upper
75 100
77 0.8 98.5 295.5#



#78
n-propylbenzene
Concen: 0.266 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 91 Resp: 6829
Ion Ratio Lower Upper
91 100
120 32.4 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.580 ug/l

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

Instrument :

MSVOA_N

ClientSampleId :

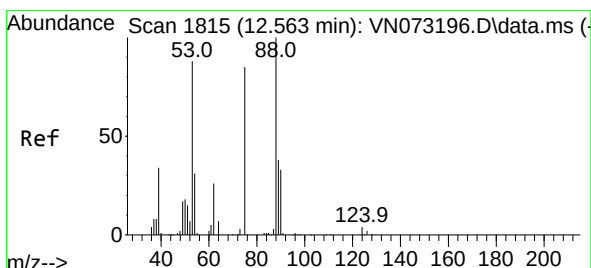
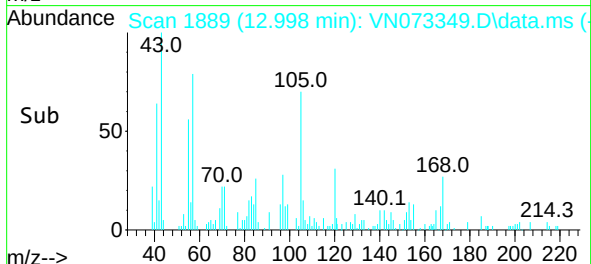
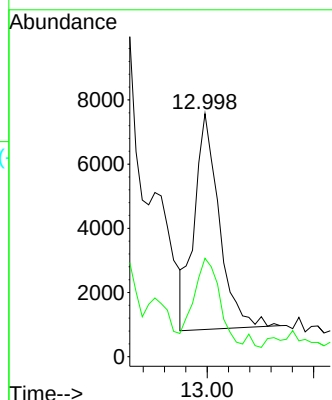
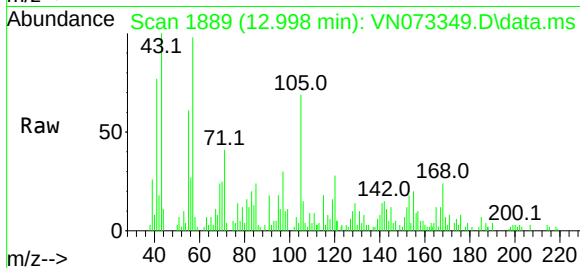
31268

Tgt Ion:105 Resp: 10923

Ion Ratio Lower Upper

105 100

120 39.7 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 56.506 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

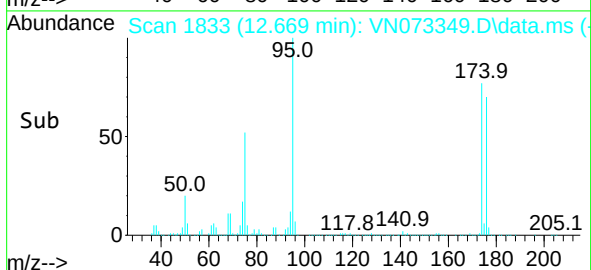
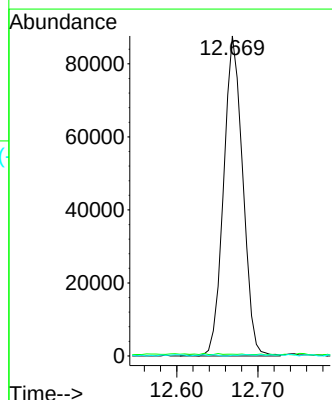
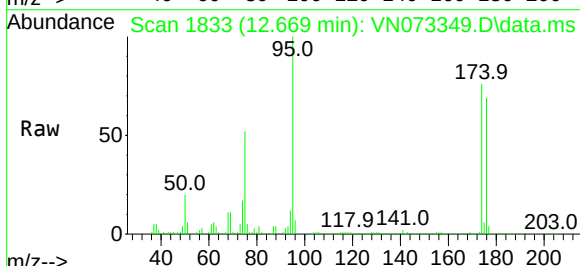
Tgt Ion: 75 Resp: 144055

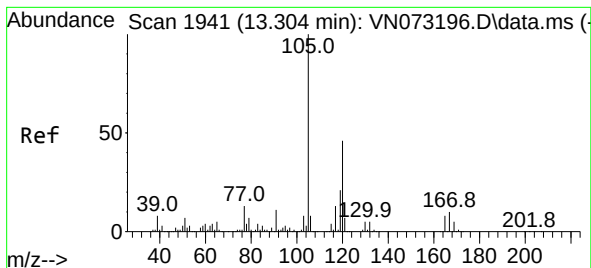
Ion Ratio Lower Upper

75 100

53 0.2 78.0 117.0#

89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.864 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.000 min

Lab File: VN073349.D

Acq: 06 Jul 2022 16:49

Instrument :

MSVOA_N

ClientSampleId :

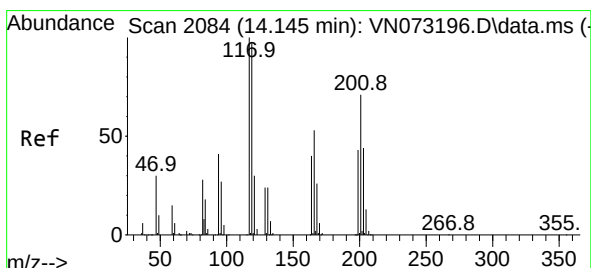
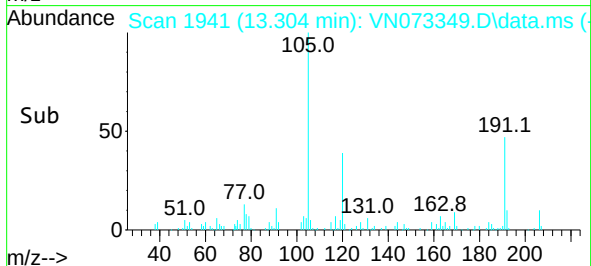
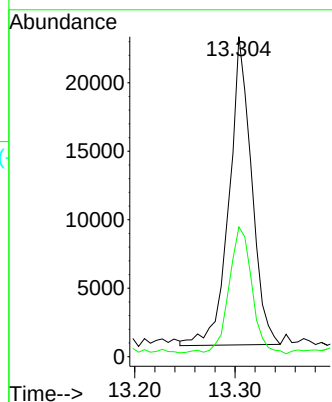
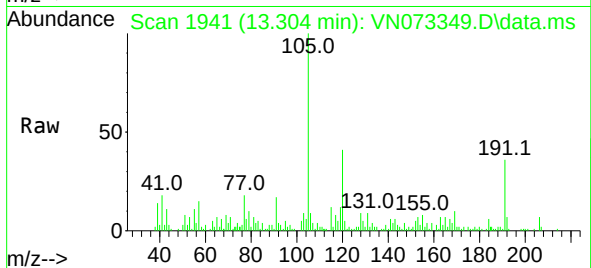
31268

Tgt Ion:105 Resp: 35026

Ion Ratio Lower Upper

105 100

120 42.5 23.3 69.8



#90

Hexachloroethane

Concen: 0.432 ug/l

RT: 14.151 min Scan# 2085

Delta R.T. 0.006 min

Lab File: VN073349.D

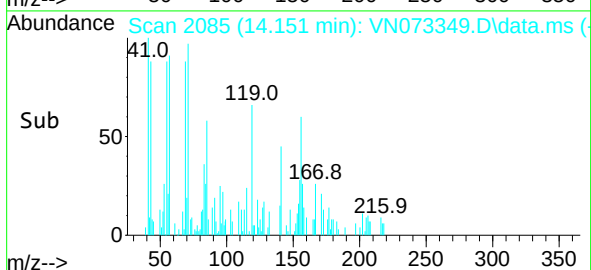
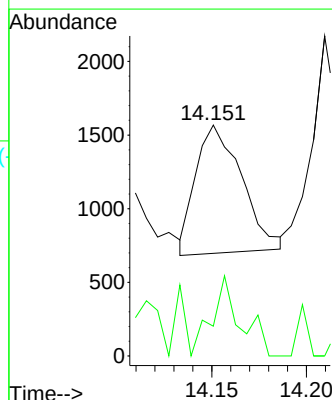
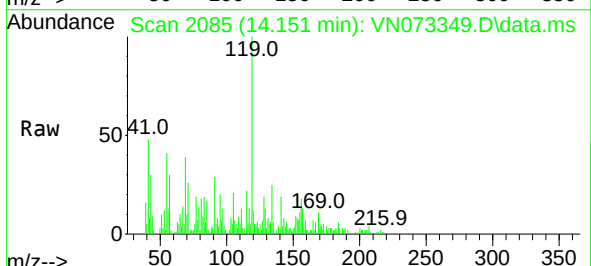
Acq: 06 Jul 2022 16:49

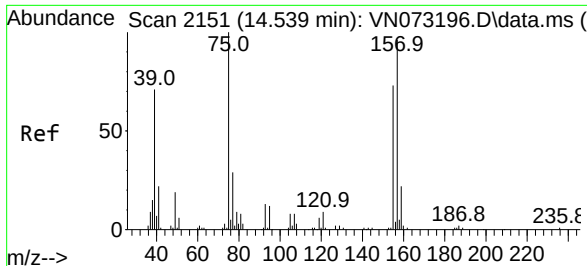
Tgt Ion:117 Resp: 1473

Ion Ratio Lower Upper

117 100

201 39.1 40.6 122.0#

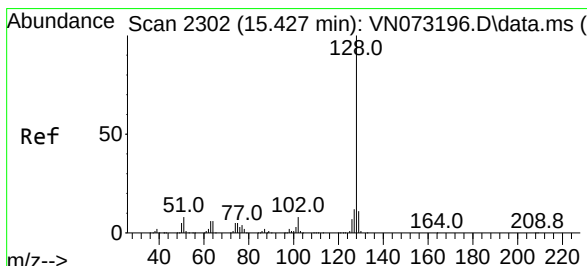
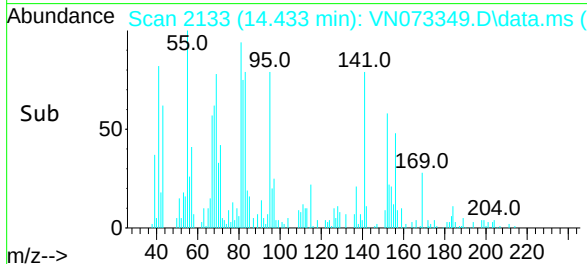
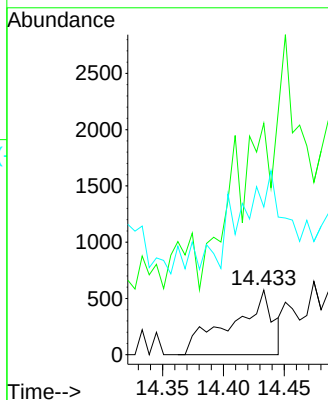
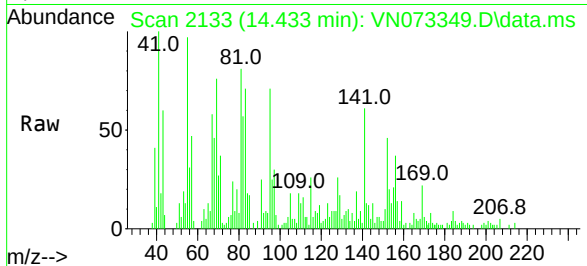




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.725 ug/l
RT: 14.433 min Scan# 2151
Delta R.T. -0.106 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Instrument :
MSVOA_N
ClientSampleId :
31268

Tgt Ion: 75 Resp: 1351
Ion Ratio Lower Upper
75 100
155 67.8 44.9 134.5
157 110.2 59.0 176.8



#95
Naphthalene
Concen: 0.717 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073349.D
Acq: 06 Jul 2022 16:49

Tgt Ion: 128 Resp: 14767
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 8.9 8.6 13.0

