

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112522\
 Data File : VN075417.D
 Acq On : 25 Nov 2022 13:43
 Operator : JC\MD
 Sample : N5756-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01S-20221119

Quant Time: Nov 28 03:35:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

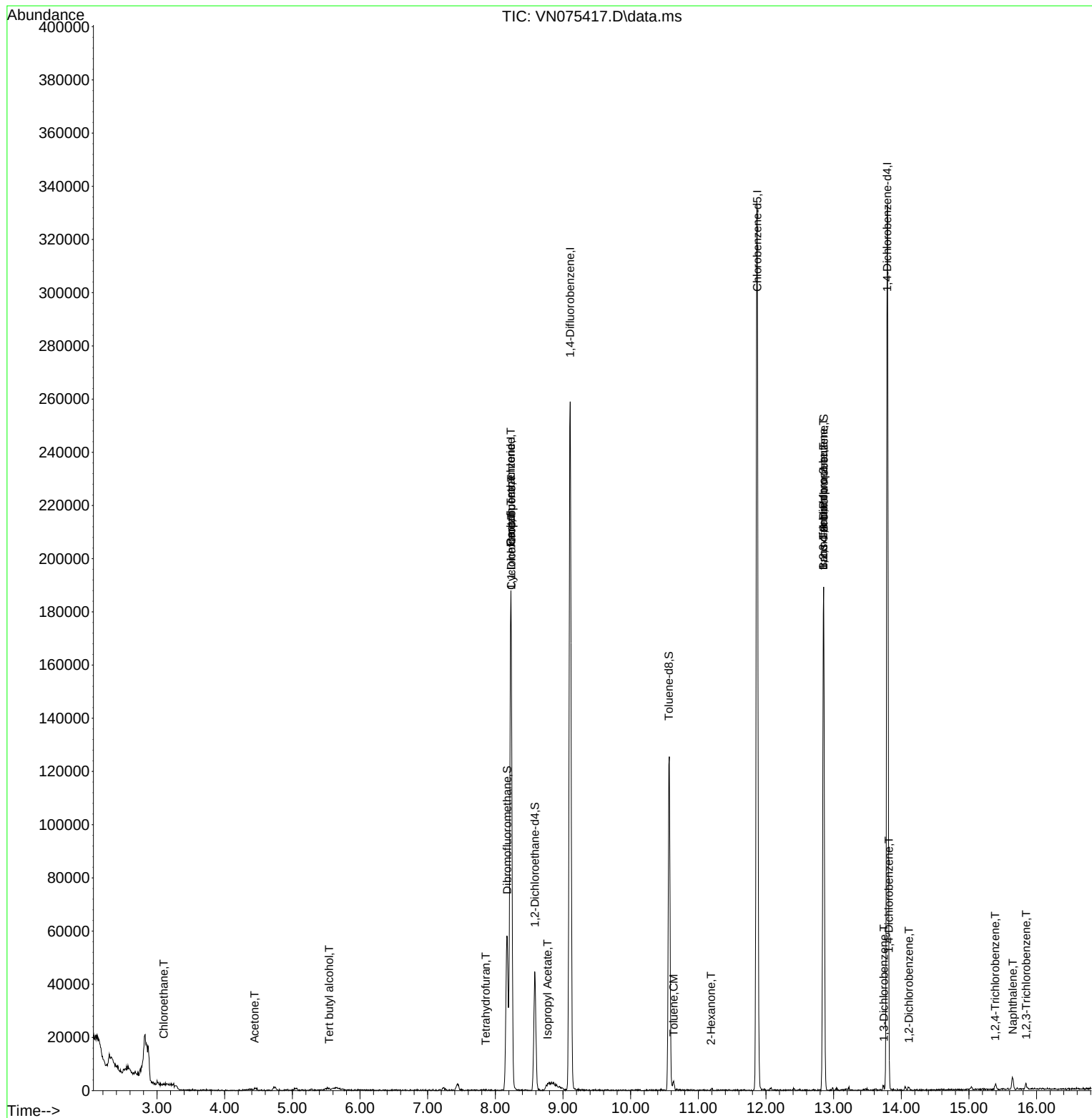
Internal Standards						
1) Pentafluorobenzene	8.229	168	147792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	247074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	215182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	95248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	34249	43.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.340%
35) Dibromofluoromethane	8.177	113	43181	44.490	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.980%
50) Toluene-d8	10.565	98	92437	42.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	84.580%#
62) 4-Bromofluorobenzene	12.853	95	65537	40.617	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.240%#
Target Compounds						
					Qvalue	
6) Chloroethane	3.100	64	607	0.452	ug/l #	45
11) Tert butyl alcohol	5.541	59	128	0.384	ug/l #	72
16) Acetone	4.442	43	262	0.354	ug/l	90
18) Methyl Acetate	5.053	43	1377	Below Cal	#	77
20) Methylene Chloride	5.289	84	189	Below Cal	#	44
29) Tetrahydrofuran	7.859	42	127	0.202	ug/l #	26
31) Cyclohexane	8.235	56	2958	1.174	ug/l #	51
36) 1,1-Dichloropropene	8.235	75	10106	4.775	ug/l #	50
38) Carbon Tetrachloride	8.229	117	14871	6.396	ug/l #	16
43) Isopropyl Acetate	8.771	43	2151	0.703	ug/l #	53
52) Toluene	10.635	92	1769	0.424	ug/l	92
59) 2-Hexanone	11.188	43	639	0.437	ug/l #	42
71) Bromoform	12.847	173	394	0.312	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	32434	18.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	32434	53.287	ug/l #	10
87) 1,3-Dichlorobenzene	13.741	146	910	0.280	ug/l #	72
88) 1,4-Dichlorobenzene	13.817	146	1113	0.337	ug/l #	56
91) 1,2-Dichlorobenzene	14.111	146	858	0.270	ug/l	85
93) 1,2,4-Trichlorobenzene	15.388	180	1278	0.786	ug/l	86
95) Naphthalene	15.647	128	5410	1.058	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1165	0.729	ug/l	85

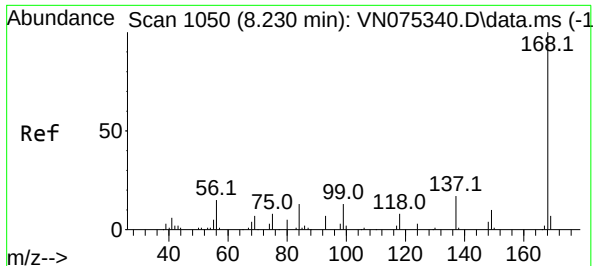
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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RW8-MW01S-20221119

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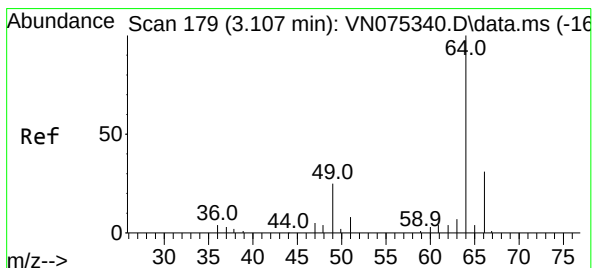
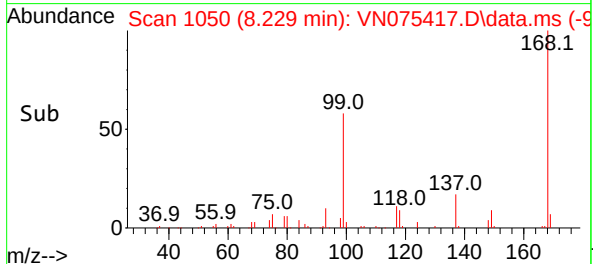
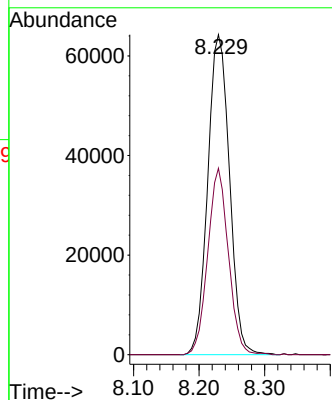
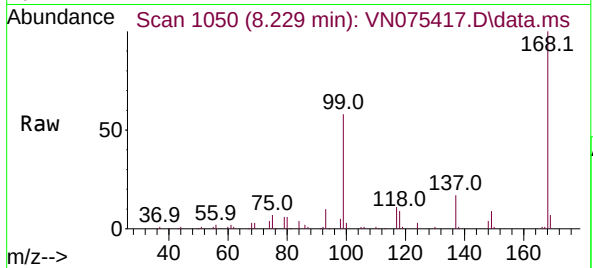




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

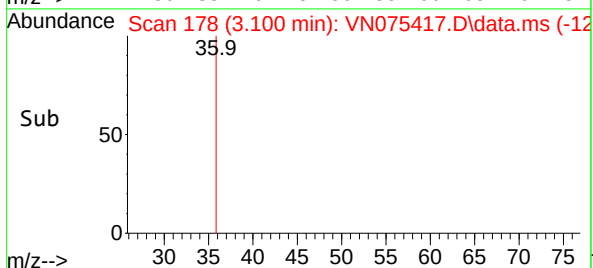
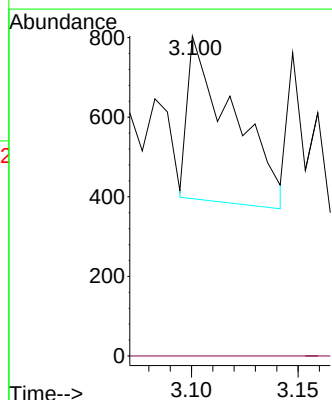
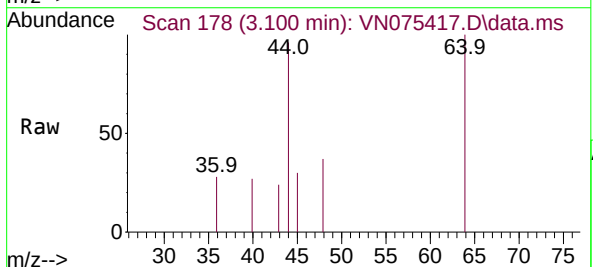
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

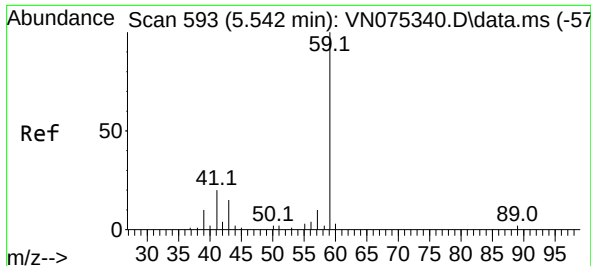
Tgt Ion:168 Resp: 147792
Ion Ratio Lower Upper
168 100
99 58.2 51.6 77.4



#6
Chloroethane
Concen: 0.452 ug/l
RT: 3.100 min Scan# 178
Delta R.T. -0.007 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion: 64 Resp: 607
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 0.384 ug/l

RT: 5.541 min Scan# 59

Delta R.T. -0.001 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

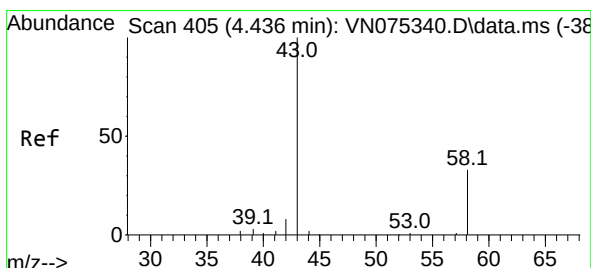
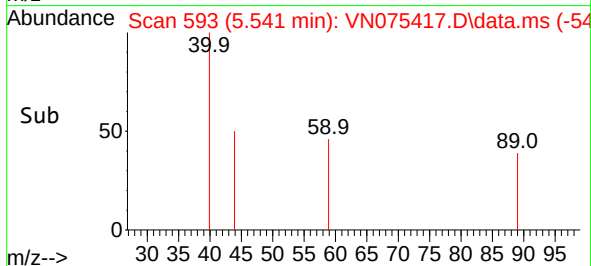
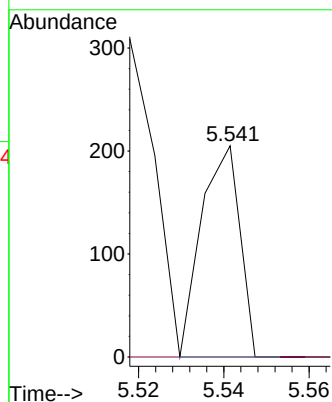
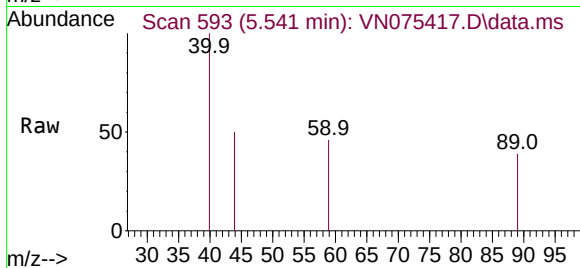
RW8-MW01S-20221119

Tgt Ion: 59 Resp: 128

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#16

Acetone

Concen: 0.354 ug/l

RT: 4.442 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075417.D

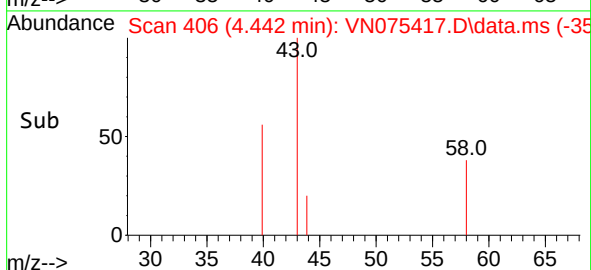
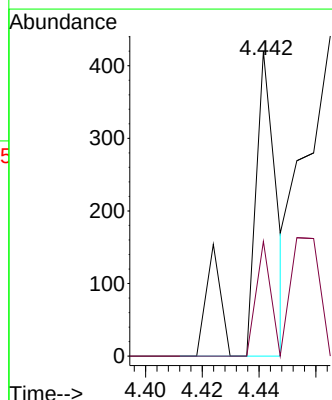
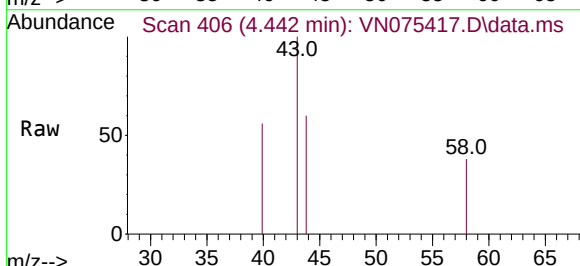
Acq: 25 Nov 2022 13:43

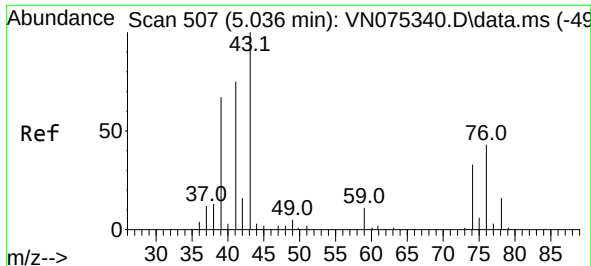
Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

58 37.6 25.5 38.3

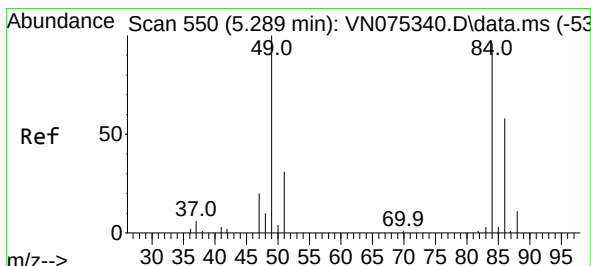
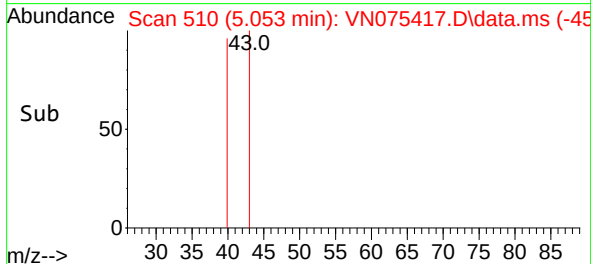
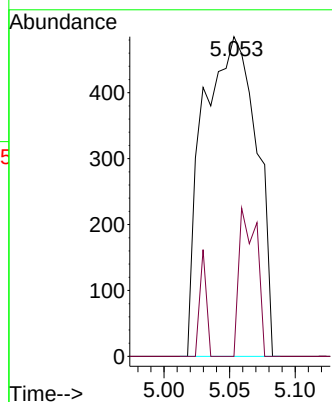
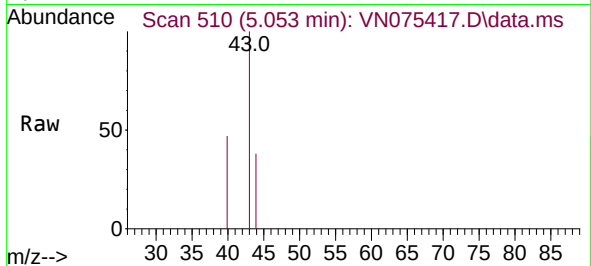




#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

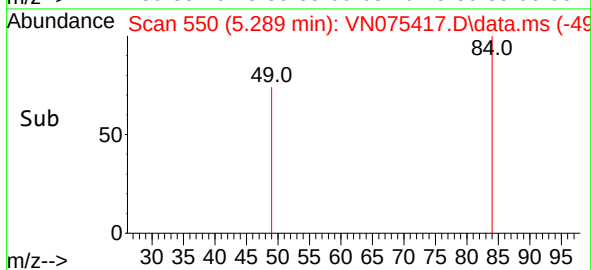
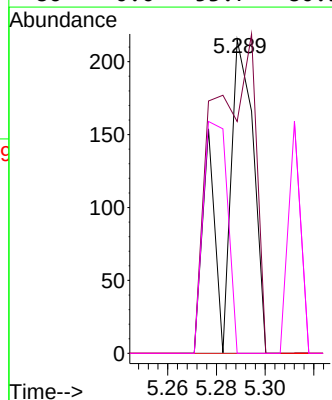
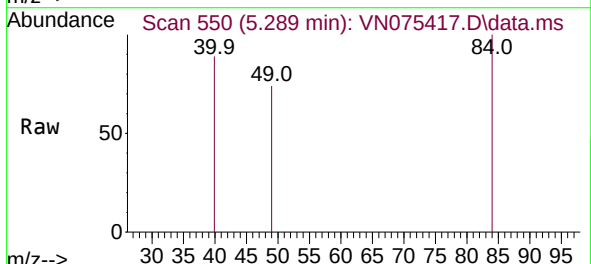
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

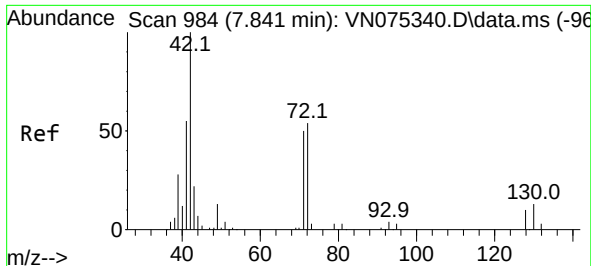
Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
74 15.3 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion: 84 Resp: 189
Ion Ratio Lower Upper
84 100
49 74.0 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

RW8-MW01S-20221119

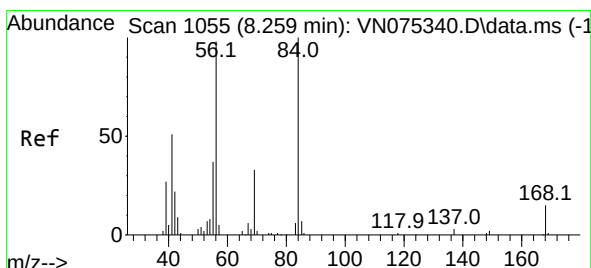
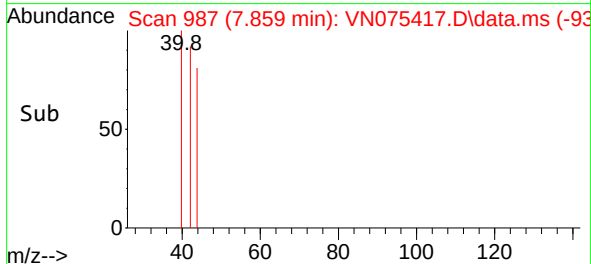
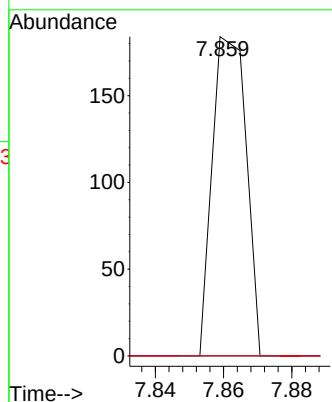
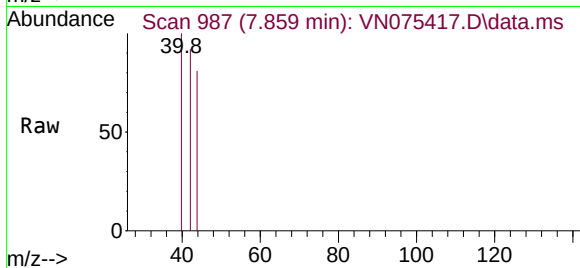
Tgt Ion: 42 Resp: 127

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

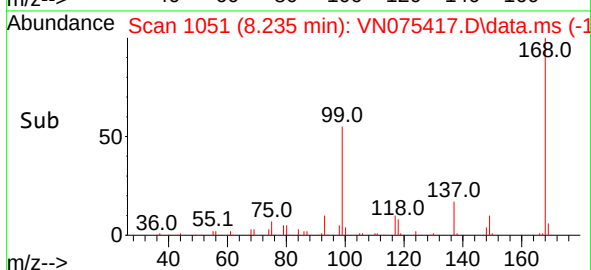
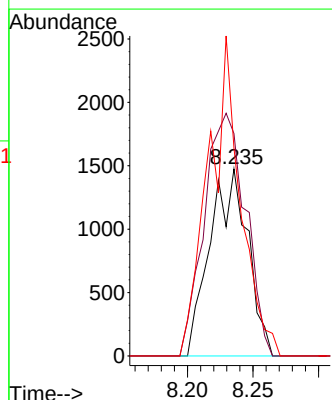
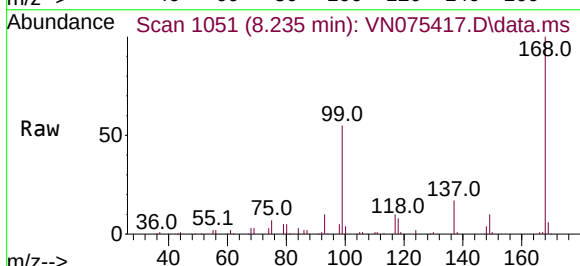
Tgt Ion: 56 Resp: 2958

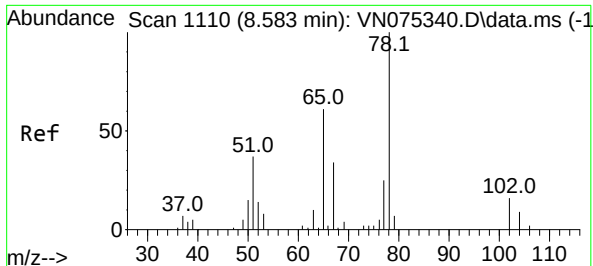
Ion Ratio Lower Upper

56 100

69 118.9 25.2 37.8#

84 111.3 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 43.171 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.001 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

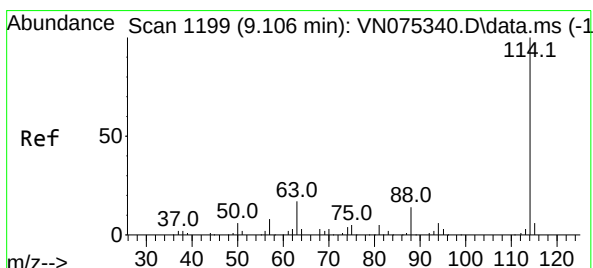
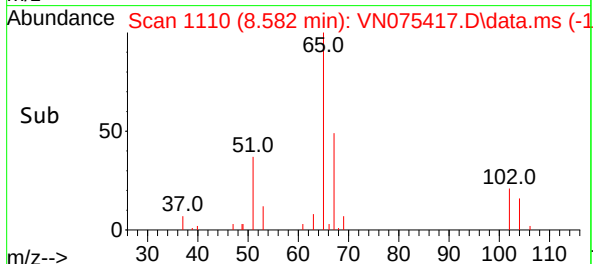
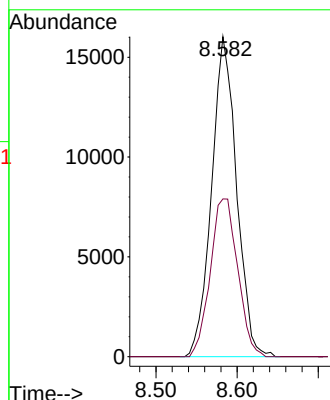
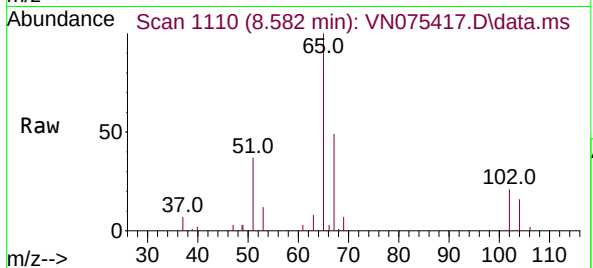
RW8-MW01S-20221119

Tgt Ion: 65 Resp: 34249

Ion Ratio Lower Upper

65 100

67 54.1 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

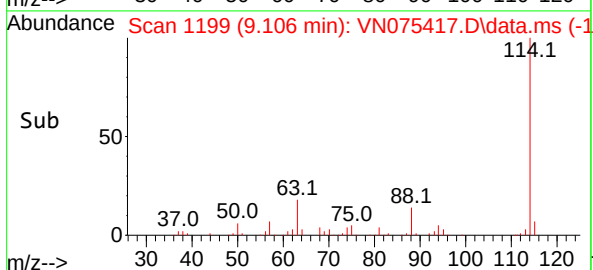
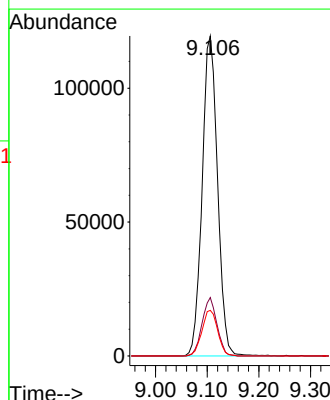
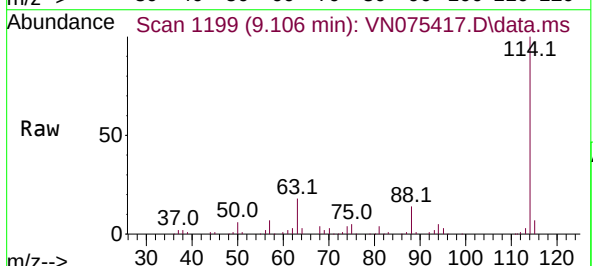
Tgt Ion: 114 Resp: 247074

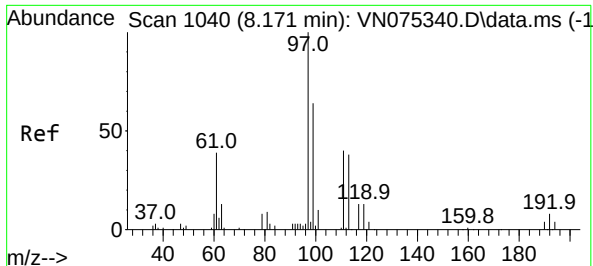
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 44.490 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

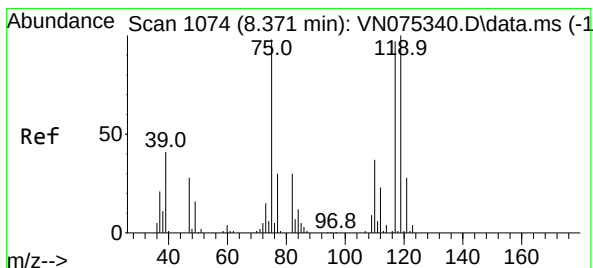
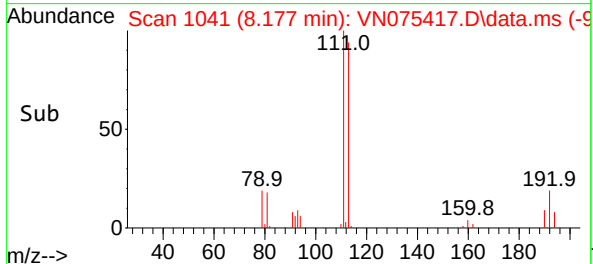
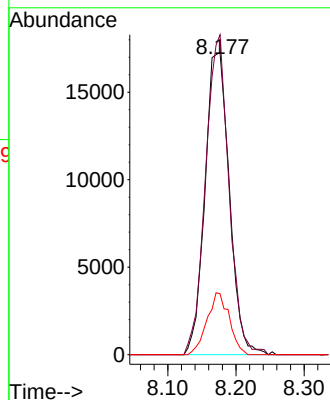
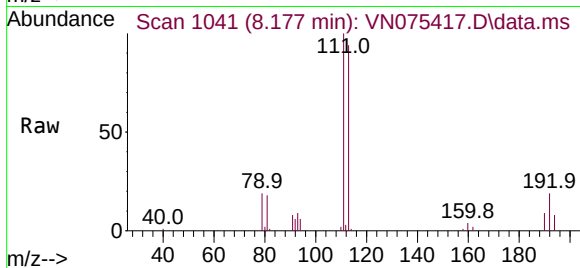
Instrument :

MSVOA_N

ClientSampleId :

RW8-MW01S-20221119

Tgt Ion:	113	Resp:	43181
Ion	Ratio	Lower	Upper
113	100		
111	101.3	80.5	120.7
192	18.6	13.2	19.8



#36

1,1-Dichloropropene

Concen: 4.775 ug/l

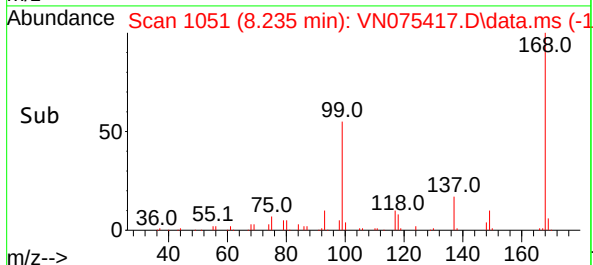
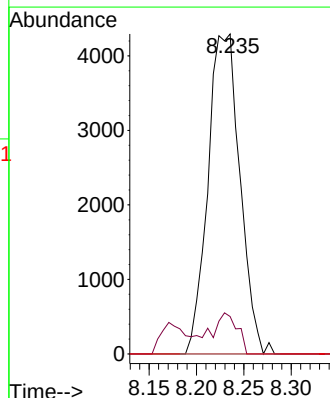
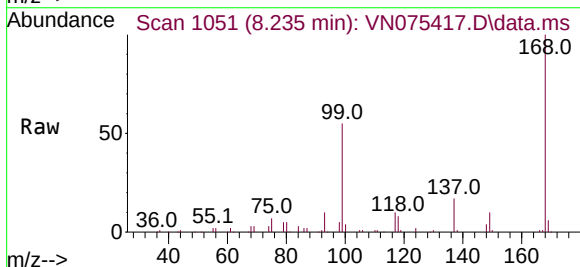
RT: 8.235 min Scan# 1051

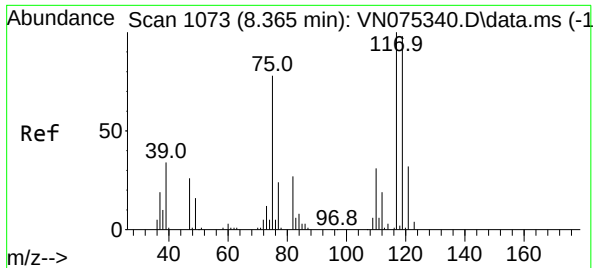
Delta R.T. -0.136 min

Lab File: VN075417.D

Acq: 25 Nov 2022 13:43

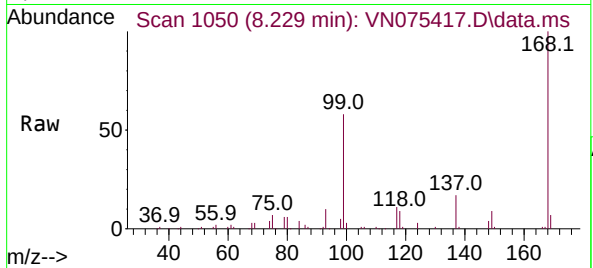
Tgt Ion:	75	Resp:	10106
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.8	53.3#
77	0.0	24.6	37.0#



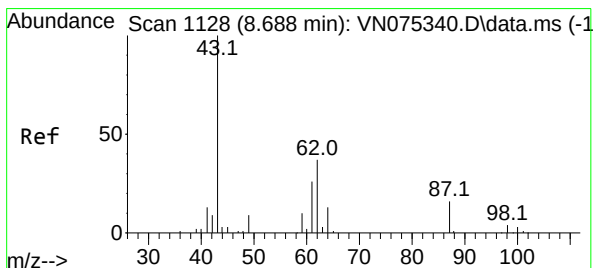
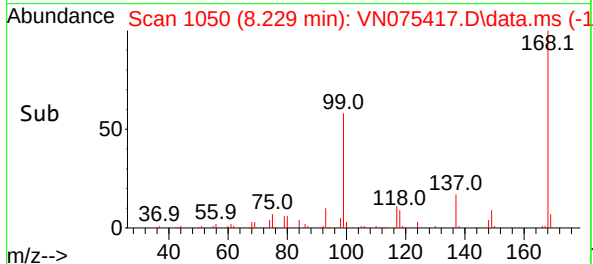
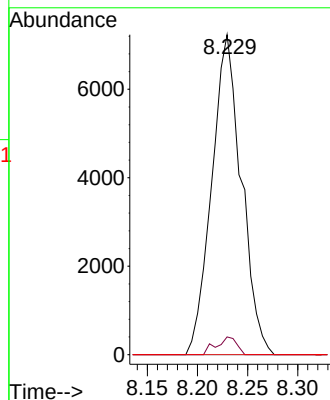


#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 8.229 min Scan# 110
Delta R.T. -0.136 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

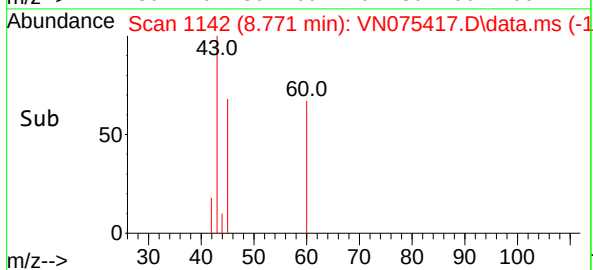
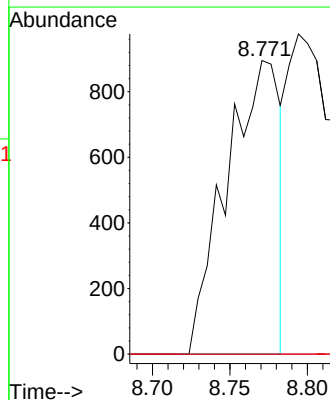
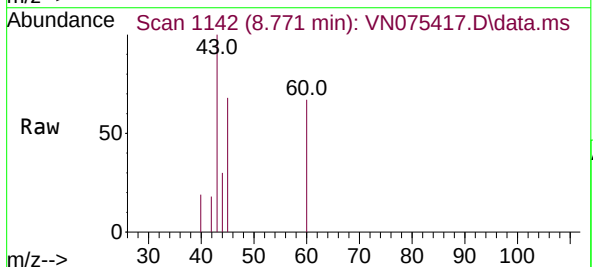


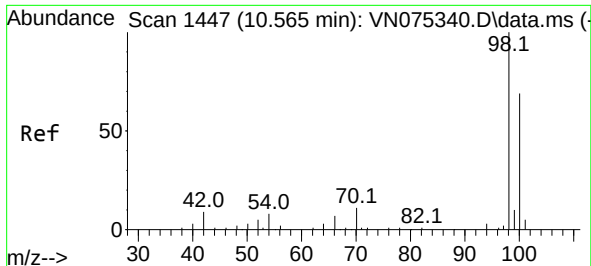
Tgt Ion:117 Resp: 14871
Ion Ratio Lower Upper
117 100
119 5.5 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.703 ug/l
RT: 8.771 min Scan# 1142
Delta R.T. 0.083 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

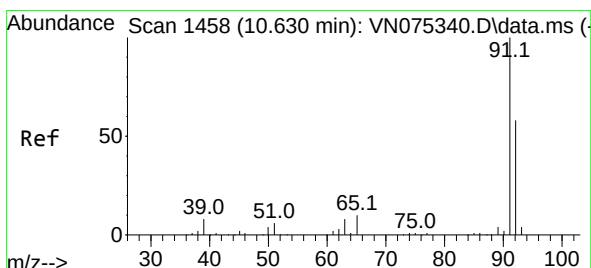
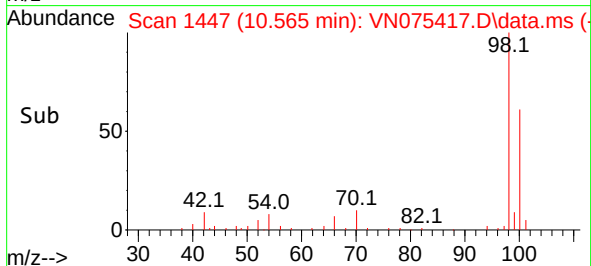
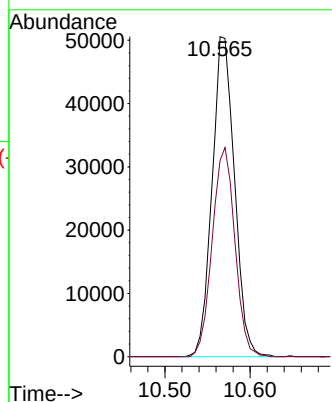
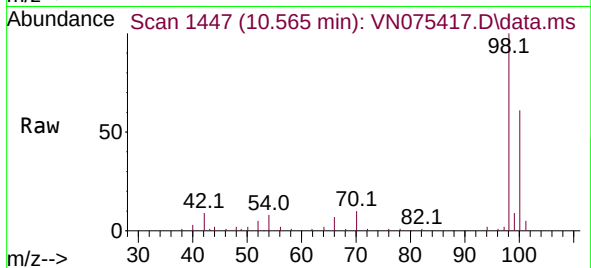




#50
Toluene-d8
Concen: 42.285 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

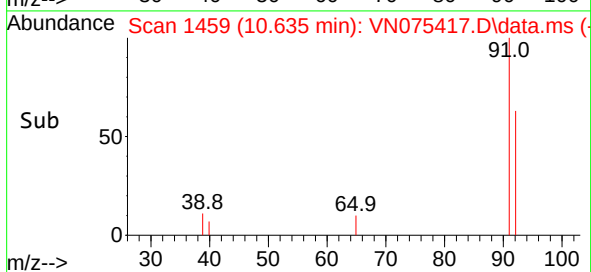
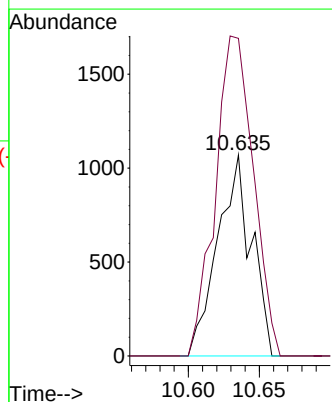
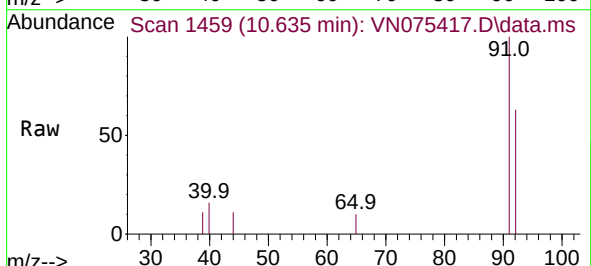
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

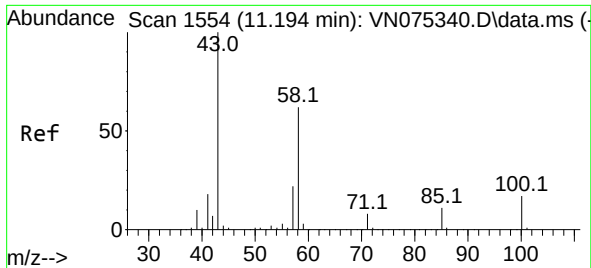
Tgt Ion: 98 Resp: 92437
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#52
Toluene
Concen: 0.424 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.005 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion: 92 Resp: 1769
Ion Ratio Lower Upper
92 100
91 179.7 135.4 203.2

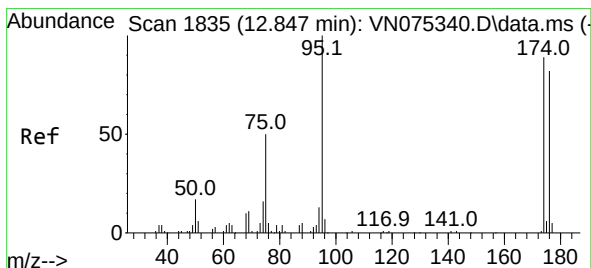
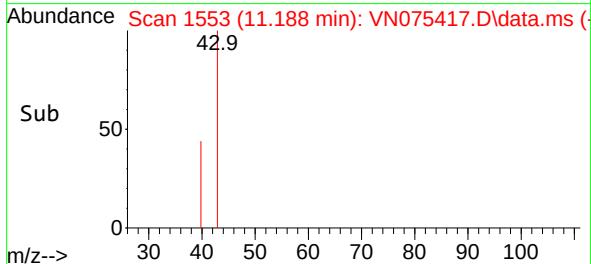
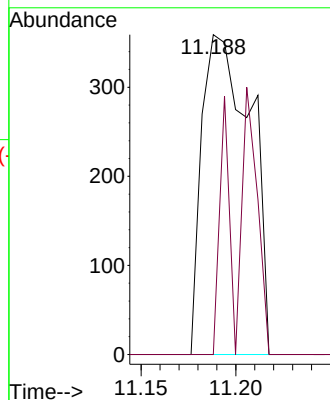
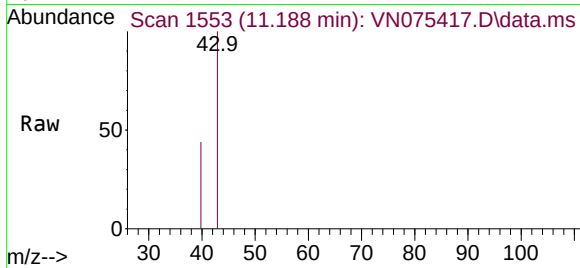




#59
2-Hexanone
Concen: 0.437 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

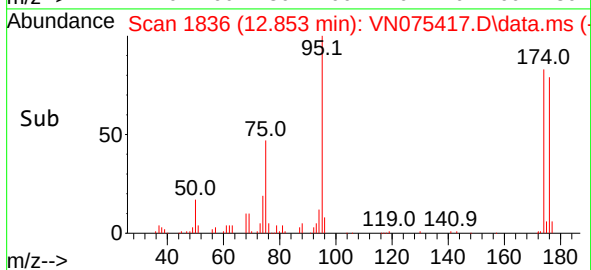
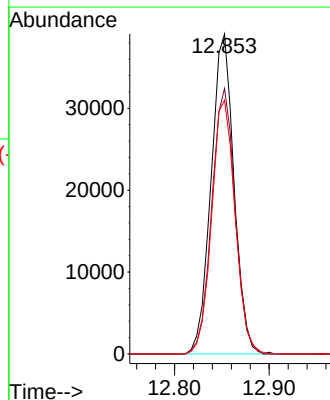
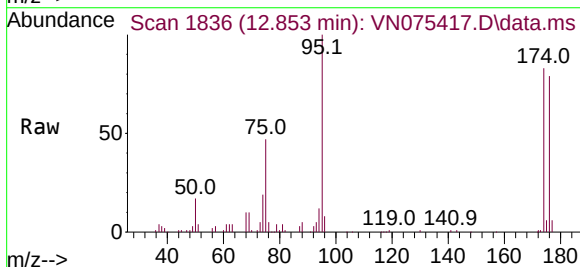
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

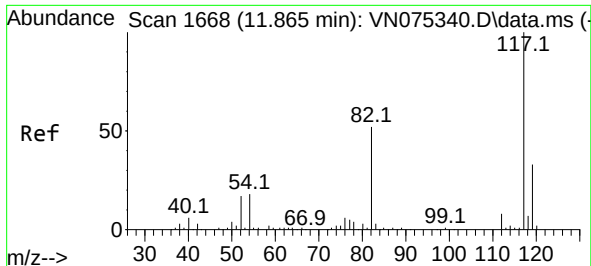
Tgt Ion: 43 Resp: 639
Ion Ratio Lower Upper
43 100
58 16.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 40.617 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion: 95 Resp: 65537
Ion Ratio Lower Upper
95 100
174 84.4 0.0 147.4
176 81.0 0.0 142.2

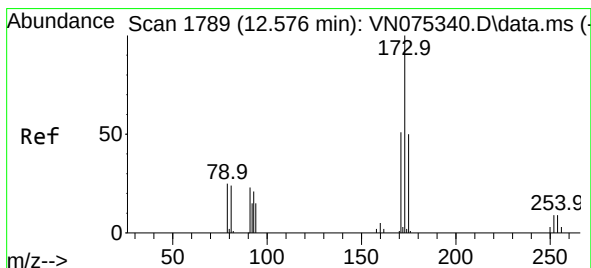
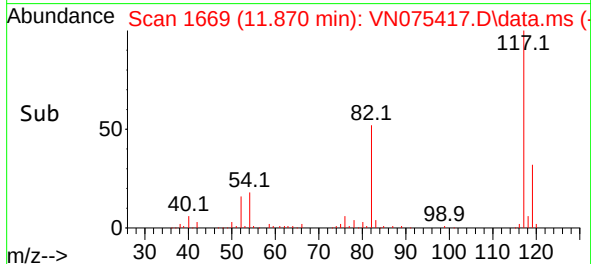
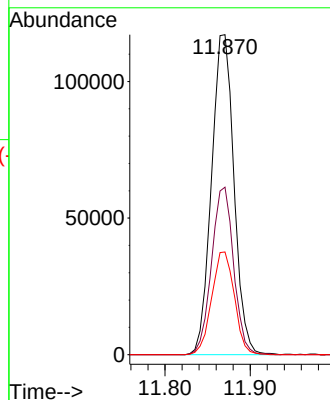
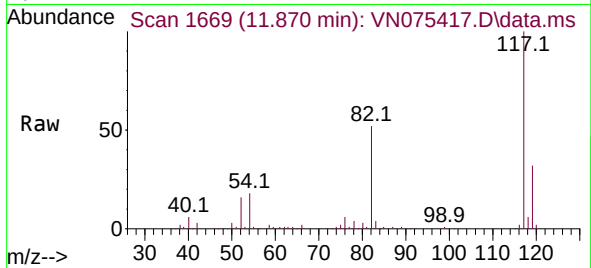




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

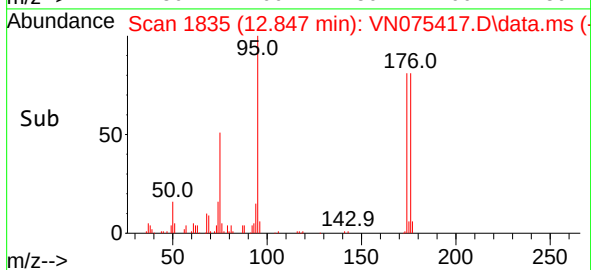
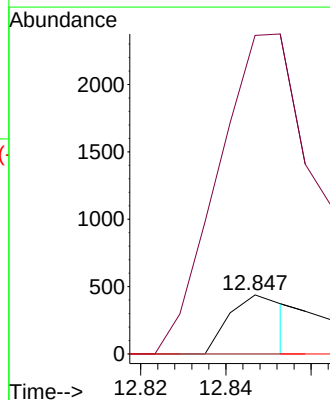
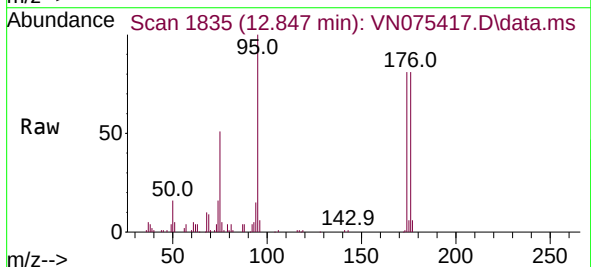
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

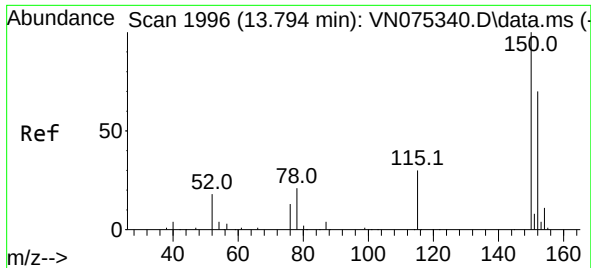
Tgt Ion:117 Resp: 215182
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 32.1 25.5 38.3



#71
Bromoform
Concen: 0.312 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion:173 Resp: 394
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

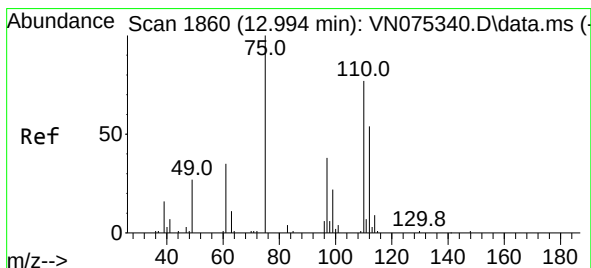
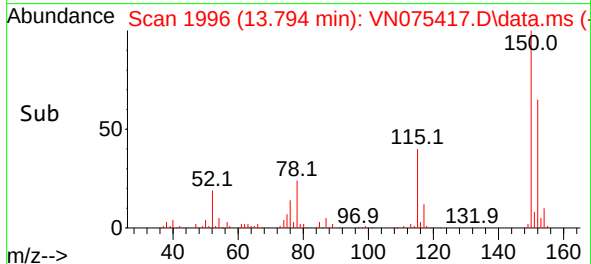
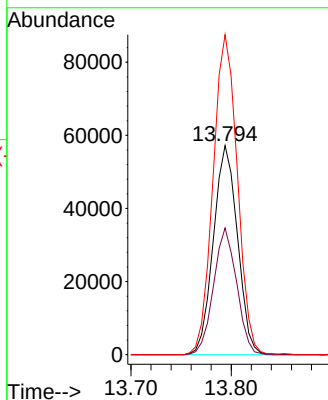
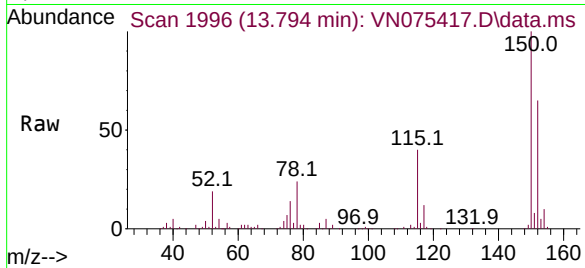




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

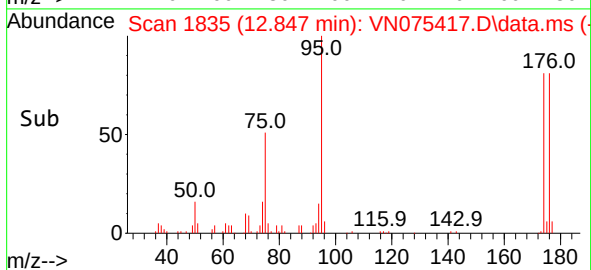
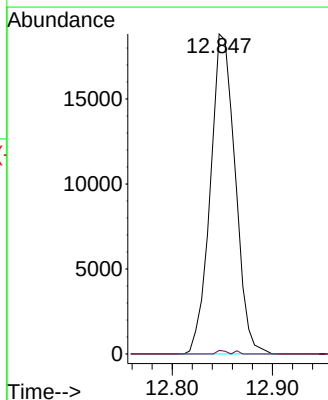
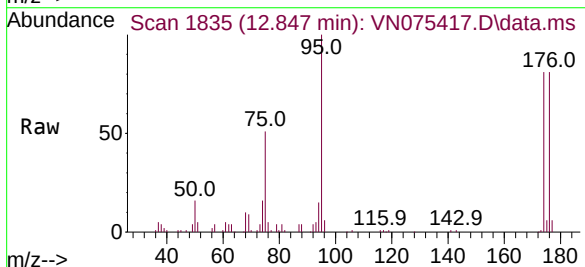
Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01S-20221119

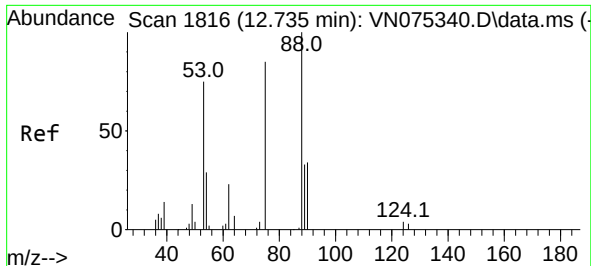
Tgt Ion:152 Resp: 95248
 Ion Ratio Lower Upper
 152 100
 115 58.0 30.2 90.6
 150 154.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 18.010 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

Tgt Ion: 75 Resp: 32434
 Ion Ratio Lower Upper
 75 100
 77 0.4 75.6 226.8#

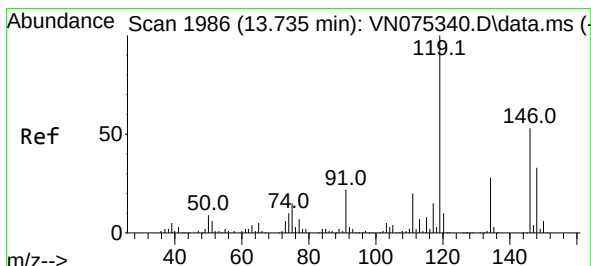
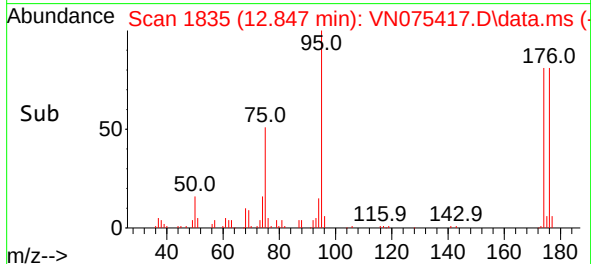
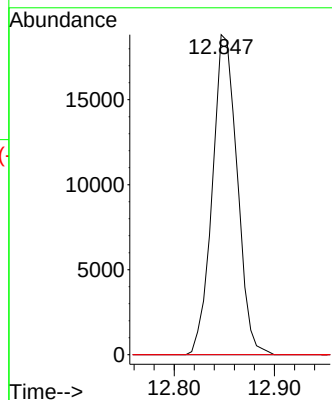
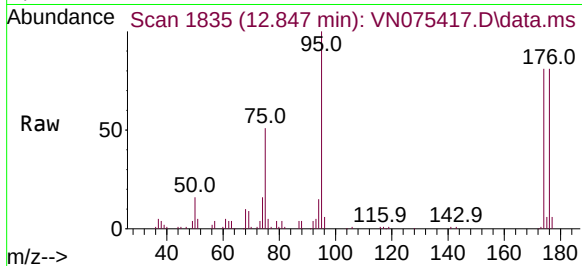




#81
trans-1,4-Dichloro-2-butene
Concen: 53.287 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

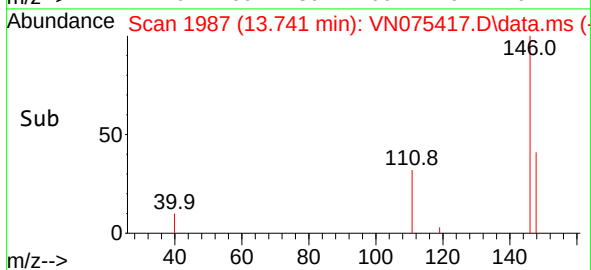
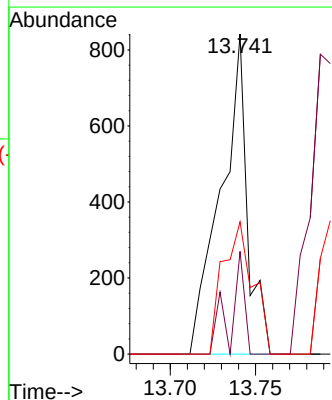
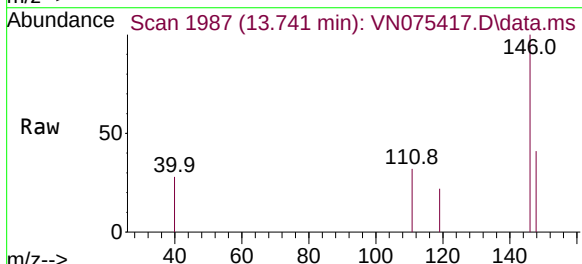
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01S-20221119

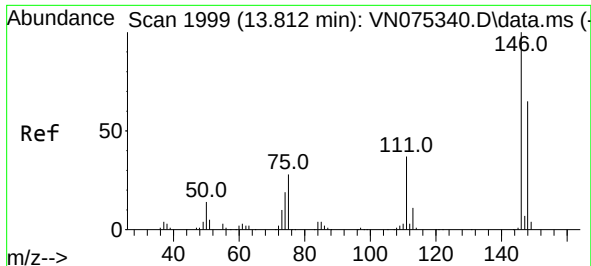
Tgt Ion: 75 Resp: 32434
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN075417.D
Acq: 25 Nov 2022 13:43

Tgt Ion:146 Resp: 910
Ion Ratio Lower Upper
146 100
111 16.8 20.8 62.5#
148 46.6 31.1 93.5

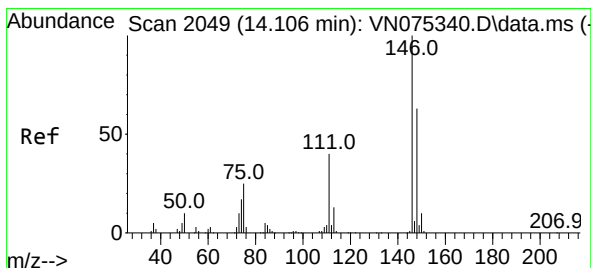
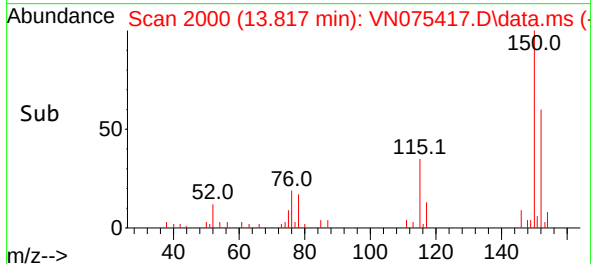
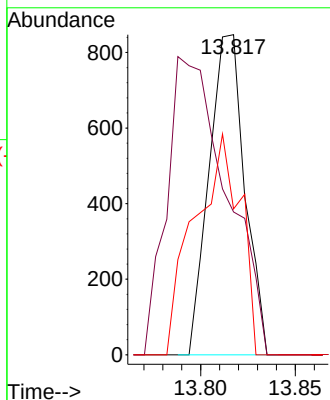
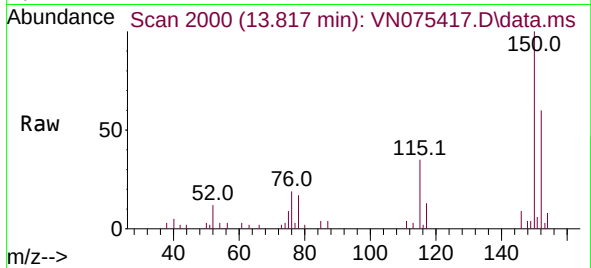




#88
 1,4-Dichlorobenzene
 Concen: 0.337 ug/l
 RT: 13.817 min Scan# 2050
 Delta R.T. 0.005 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

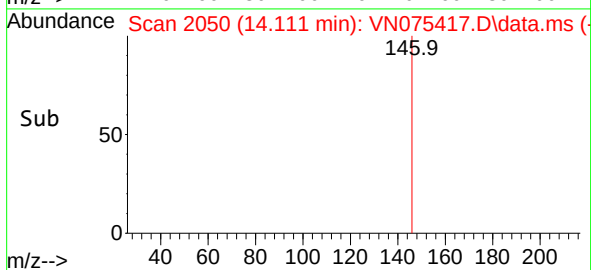
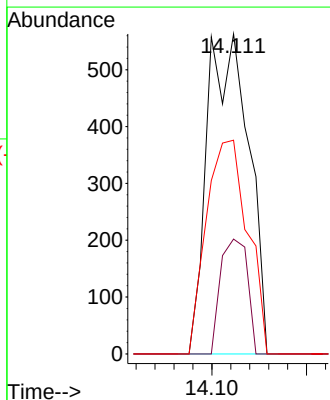
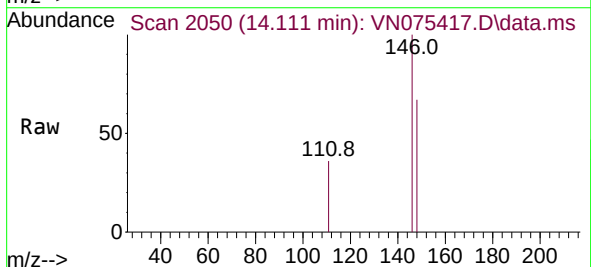
Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01S-20221119

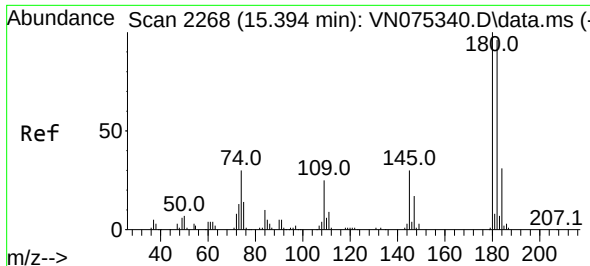
Tgt Ion:146 Resp: 1113
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.1 60.3#
 148 88.0 31.9 95.7



#91
 1,2-Dichlorobenzene
 Concen: 0.270 ug/l
 RT: 14.111 min Scan# 2050
 Delta R.T. 0.005 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

Tgt Ion:146 Resp: 858
 Ion Ratio Lower Upper
 146 100
 111 23.2 21.3 63.9
 148 66.6 31.4 94.2

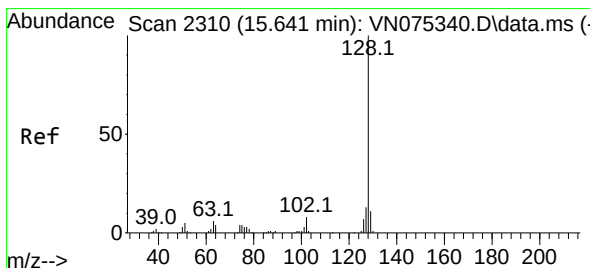
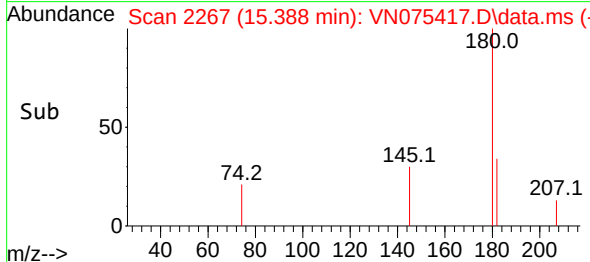
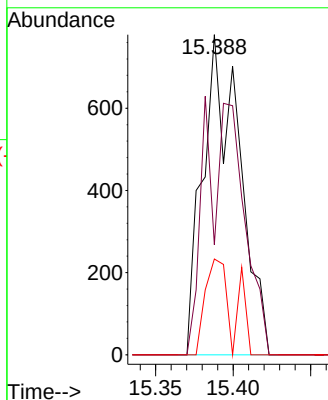
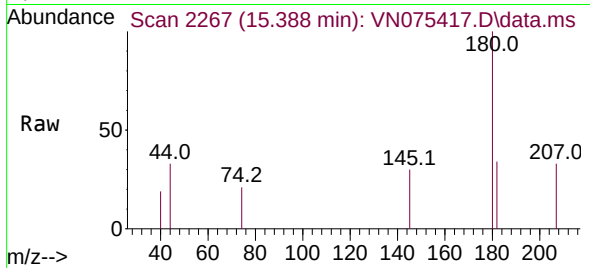




#93
 1,2,4-Trichlorobenzene
 Concen: 0.786 ug/l
 RT: 15.388 min Scan# 2111
 Delta R.T. -0.006 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

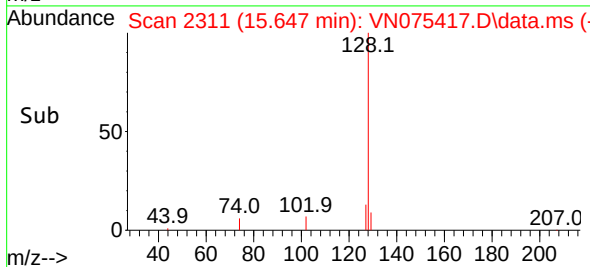
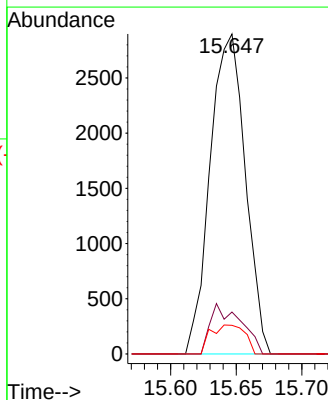
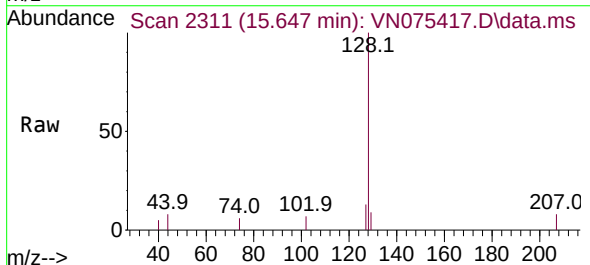
Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01S-20221119

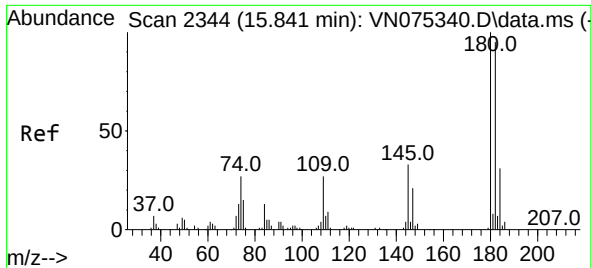
Tgt Ion:180 Resp: 1278
 Ion Ratio Lower Upper
 180 100
 182 83.7 47.8 143.4
 145 22.8 16.8 50.3



#95
 Naphthalene
 Concen: 1.058 ug/l
 RT: 15.647 min Scan# 2311
 Delta R.T. 0.006 min
 Lab File: VN075417.D
 Acq: 25 Nov 2022 13:43

Tgt Ion:128 Resp: 5410
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.4 15.6
 129 8.8 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.729 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075417.D

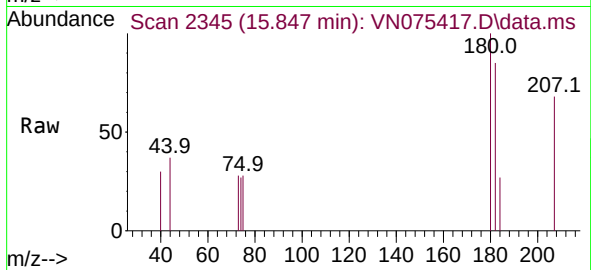
Acq: 25 Nov 2022 13:43

Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:180 Resp: 1165

Ion Ratio Lower Upper

180 100

182 80.4 47.3 141.8

145 26.7 17.6 52.9

