

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079488.D
 Acq On : 10 Oct 2023 13:12
 Operator : JC\MD
 Sample : 04740-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 06:17:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

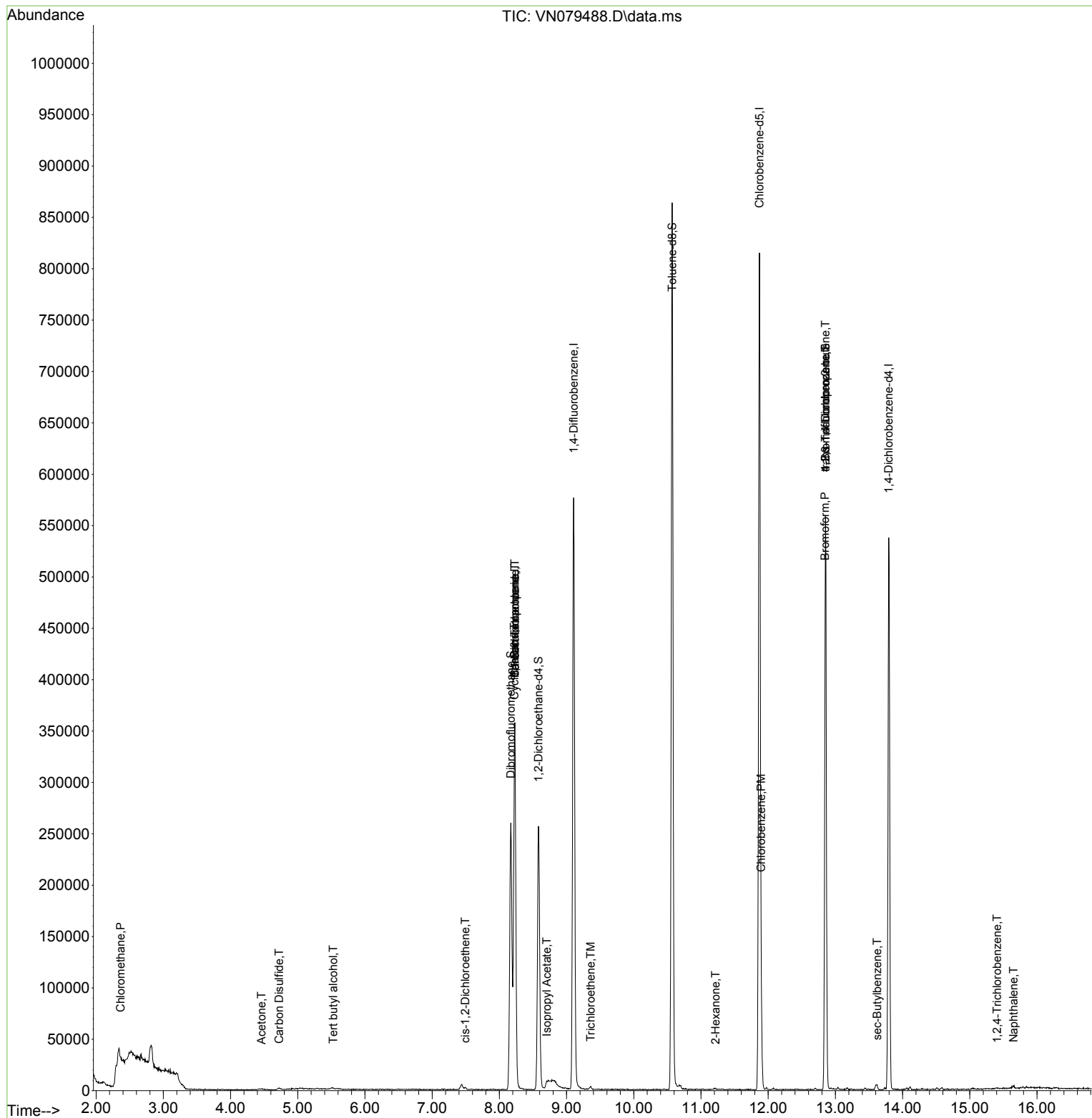
Internal Standards						
1) Pentafluorobenzene	8.230	168	250226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	482488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	456127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210320	51.838	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.680%
35) Dibromofluoromethane	8.171	113	183807	53.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.020%
50) Toluene-d8	10.571	98	573750	45.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.853	95	182684	45.374	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.740%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1805	0.403	ug/l	98
11) Tert butyl alcohol	5.530	59	341	0.558	ug/l #	72
16) Acetone	4.459	43	2256	1.402	ug/l	99
17) Carbon Disulfide	4.724	76	3827	0.415	ug/l #	75
27) cis-1,2-Dichloroethene	7.494	96	1102	0.294	ug/l	86
31) Cyclohexane	8.224	56	6771	1.177	ug/l #	57
36) 1,1-Dichloropropene	8.230	75	22712	4.364	ug/l #	47
38) Carbon Tetrachloride	8.230	117	27852	5.346	ug/l #	17
43) Isopropyl Acetate	8.706	43	5066	0.558	ug/l #	49
44) Trichloroethene	9.359	130	1171	0.322	ug/l	96
59) 2-Hexanone	11.218	43	928	0.251	ug/l	73
65) Chlorobenzene	11.894	112	34468	3.393	ug/l	96
71) Bromoform	12.847	173	809	0.297	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	123	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	104247	25.910	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	104247	75.179	ug/l #	15
85) sec-Butylbenzene	13.623	105	2857	0.244	ug/l #	60
90) Hexachloroethane	14.335	117	84	Below Cal	#	21
93) 1,2,4-Trichlorobenzene	15.406	180	397	0.260	ug/l #	54
95) Naphthalene	15.653	128	2041	0.438	ug/l #	79

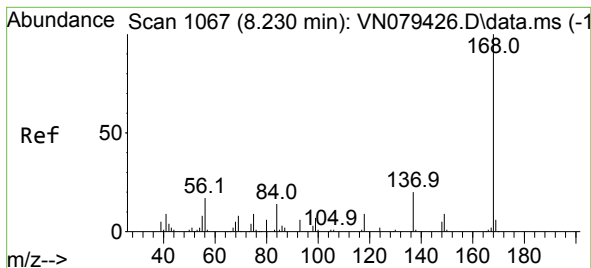
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 06:17:01 2023
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Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

Instrument :

MSVOA_N

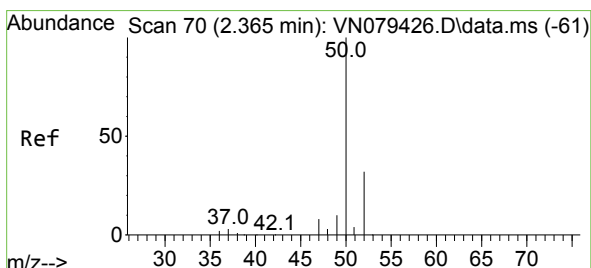
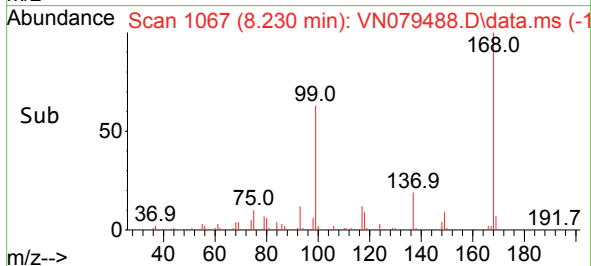
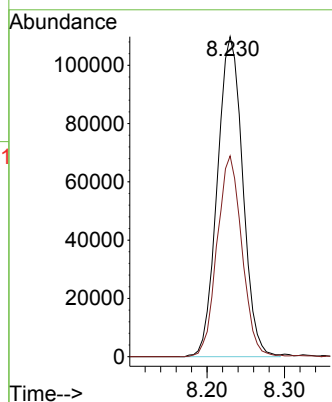
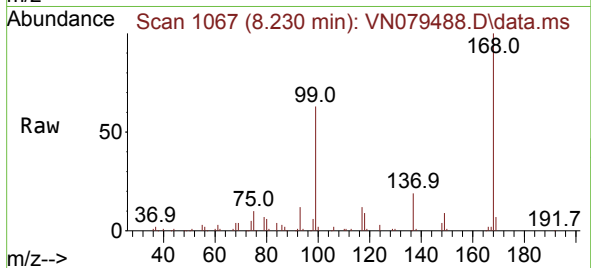
ClientSampleId :

Tgt Ion:168 Resp: 250226

Ion Ratio Lower Upper

168 100

99 62.7 53.0 79.6



#3

Chloromethane

Concen: 0.403 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079488.D

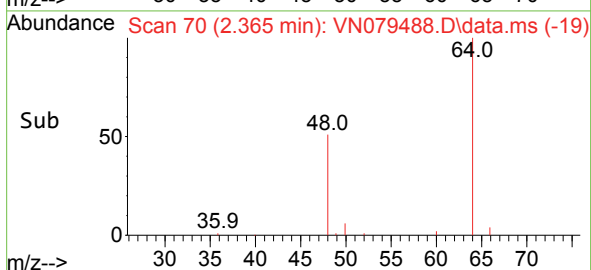
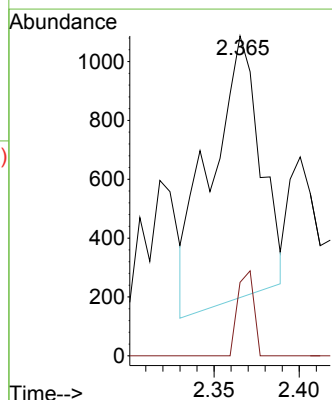
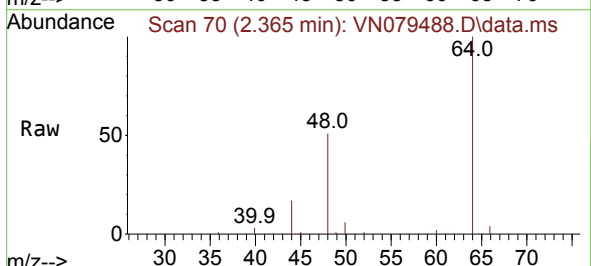
Acq: 10 Oct 2023 13:12

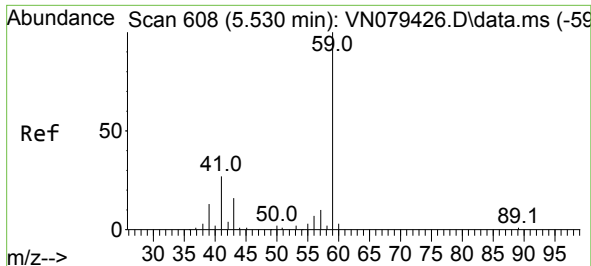
Tgt Ion: 50 Resp: 1805

Ion Ratio Lower Upper

50 100

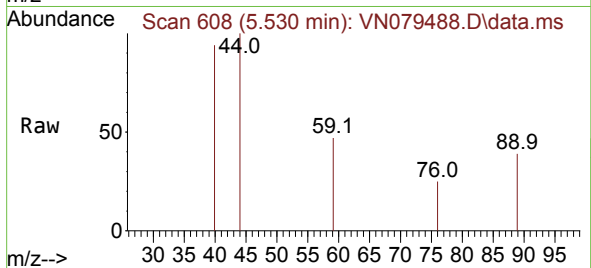
52 34.0 26.5 39.7



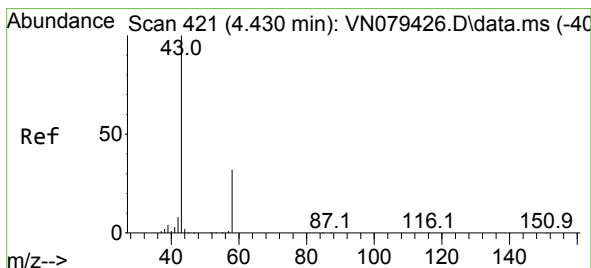
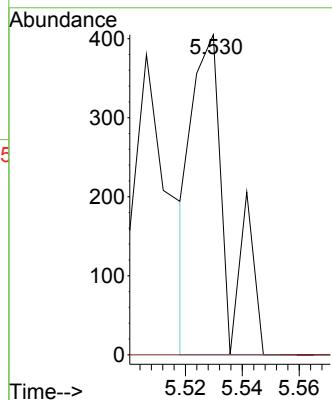
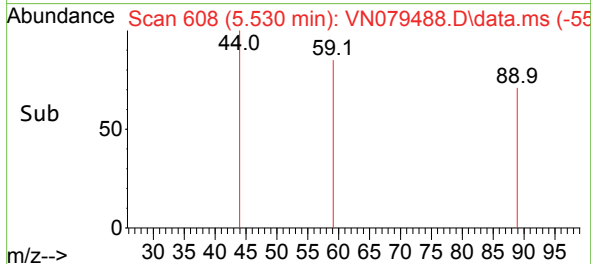


#11
Tert butyl alcohol
Concen: 0.558 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Instrument :
MSVOA_N
ClientSampleId :

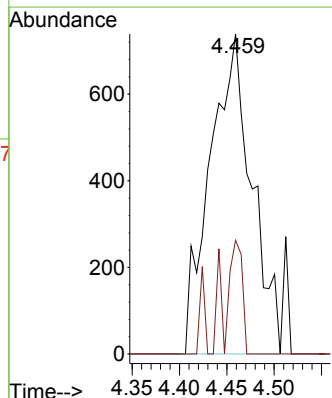
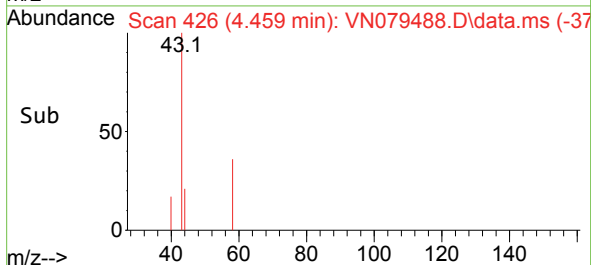
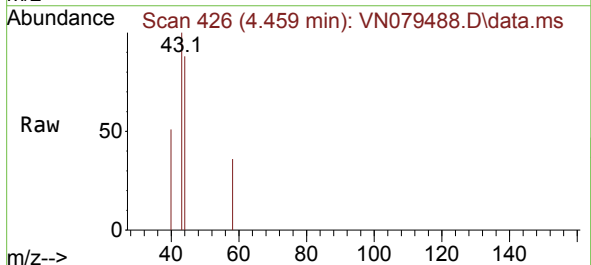


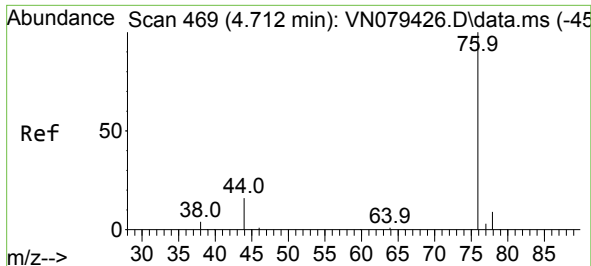
Tgt Ion: 59 Resp: 341
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 1.402 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.029 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion: 43 Resp: 2256
Ion Ratio Lower Upper
43 100
58 35.6 28.0 42.0

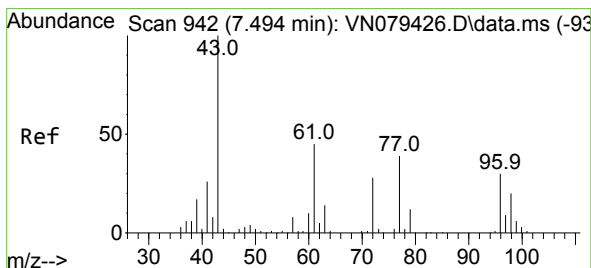
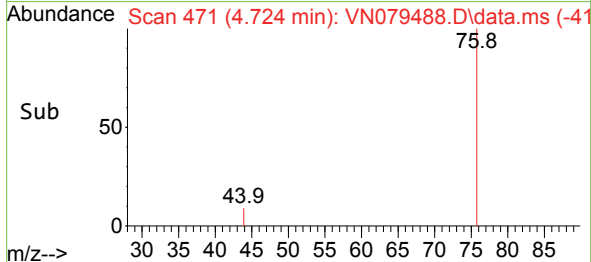
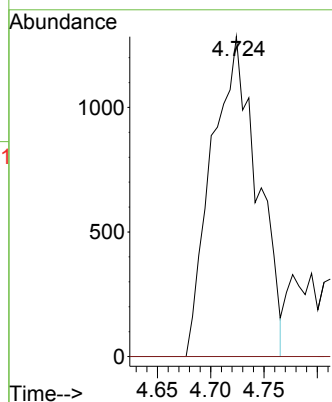
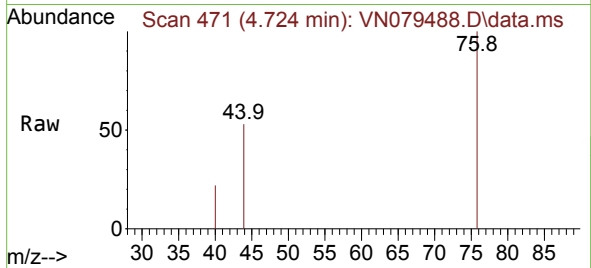




#17
Carbon Disulfide
Concen: 0.415 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

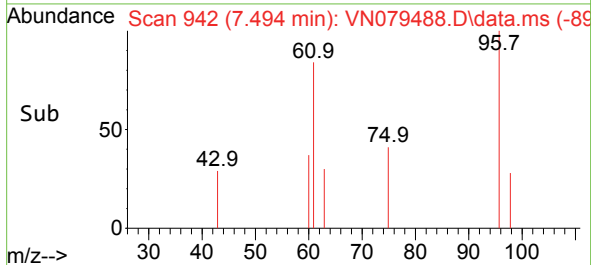
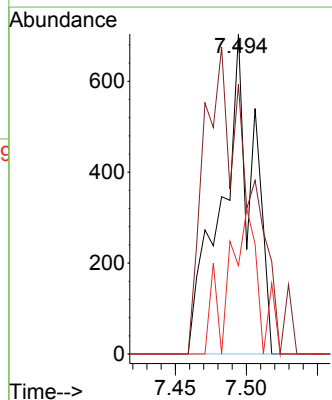
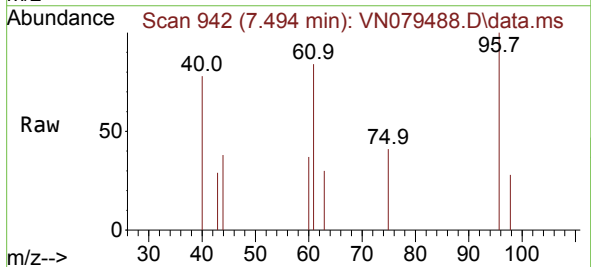
Instrument :
MSVOA_N
ClientSampleId :

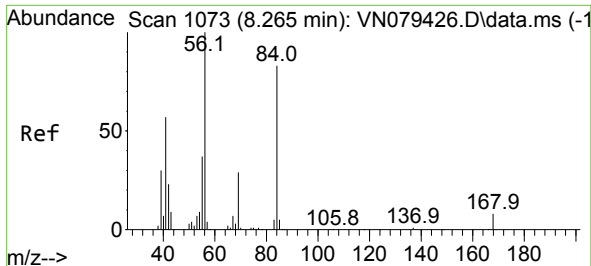
Tgt Ion: 76 Resp: 3827
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#27
cis-1,2-Dichloroethene
Concen: 0.294 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

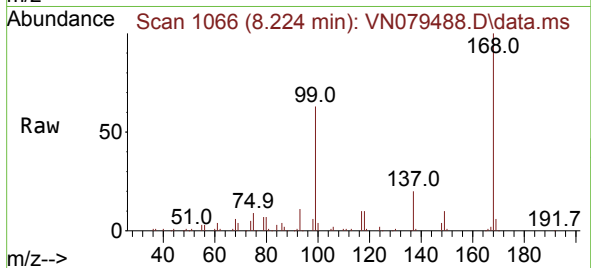
Tgt Ion: 96 Resp: 1102
Ion Ratio Lower Upper
96 100
61 136.1 0.0 255.2
98 43.5 0.0 128.8



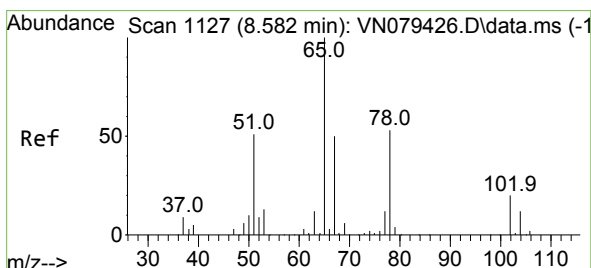
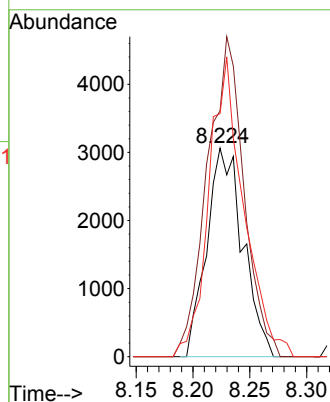
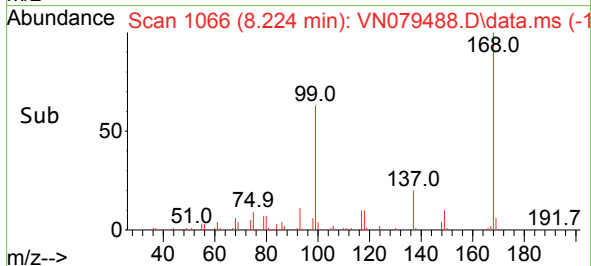


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Instrument :
MSVOA_N
ClientSampleId :

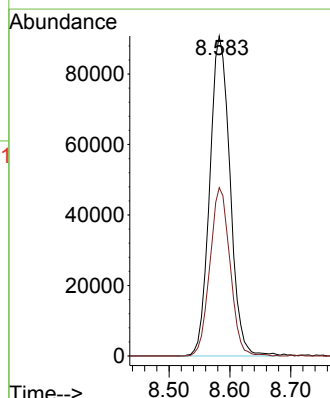
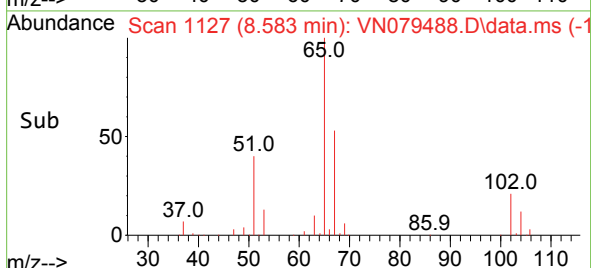
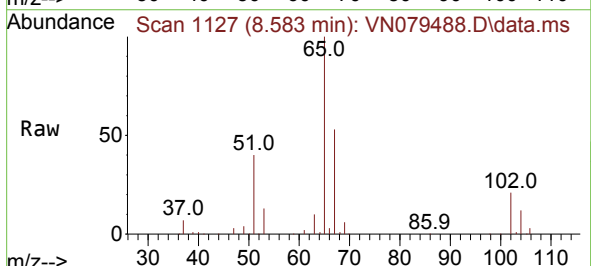


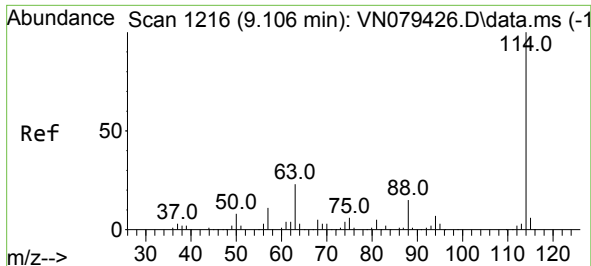
Tgt Ion: 56 Resp: 6771
Ion Ratio Lower Upper
56 100
69 118.0 26.8 40.2#
84 110.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.838 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion: 65 Resp: 210320
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

Instrument :

MSVOA_N

ClientSampleId :

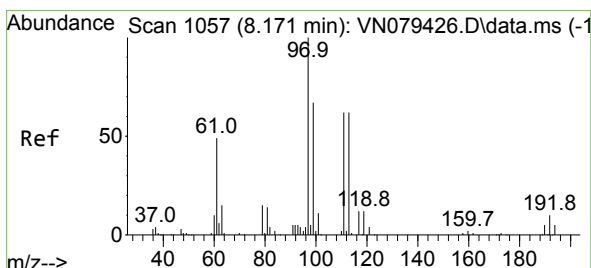
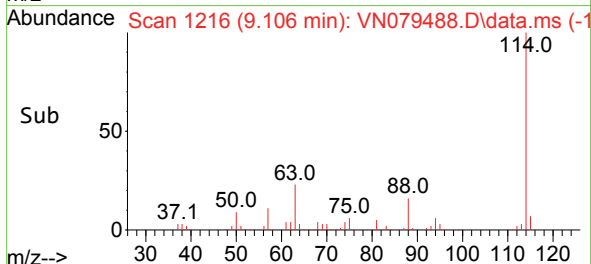
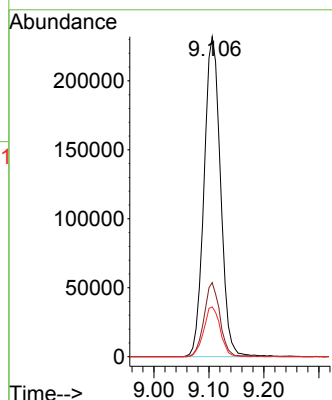
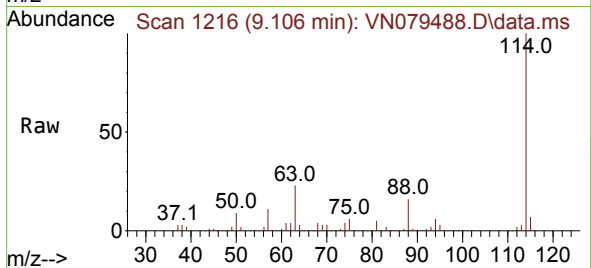
Tgt Ion:114 Resp: 482488

Ion Ratio Lower Upper

114 100

63 23.2 0.0 36.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.011 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

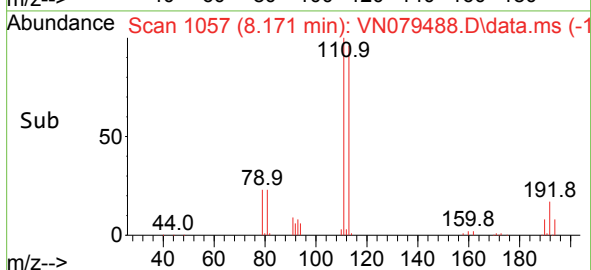
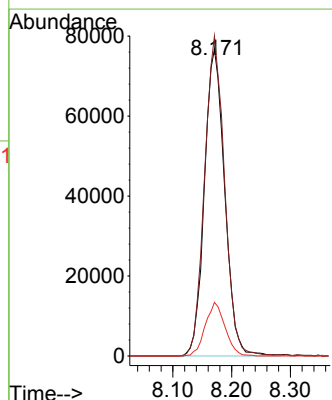
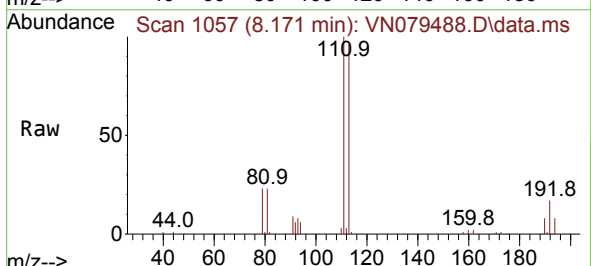
Tgt Ion:113 Resp: 183807

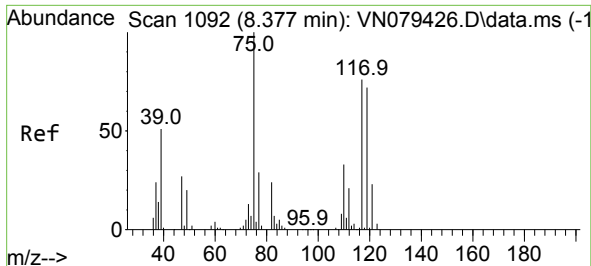
Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.0 12.7 19.1

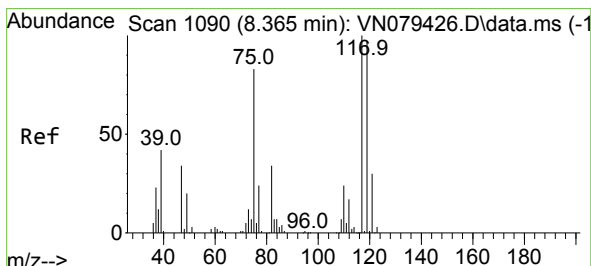
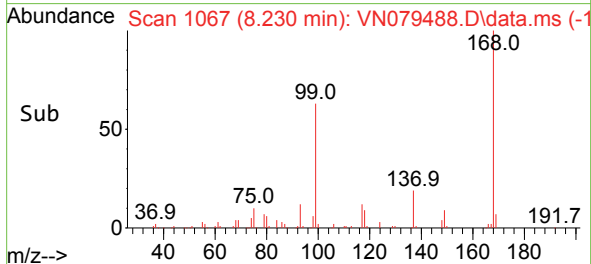
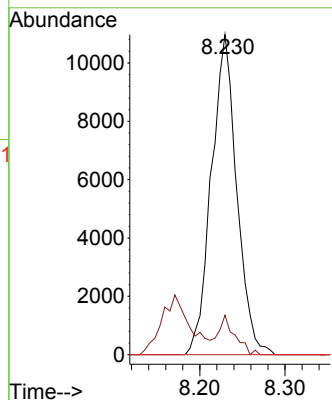
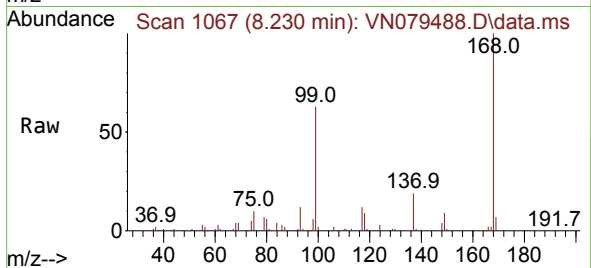




#36
1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

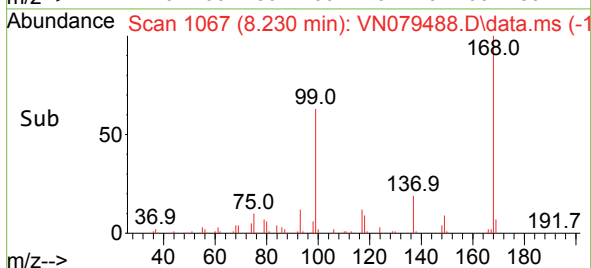
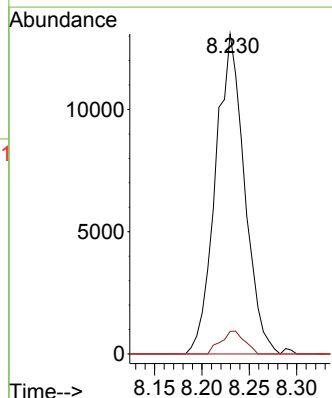
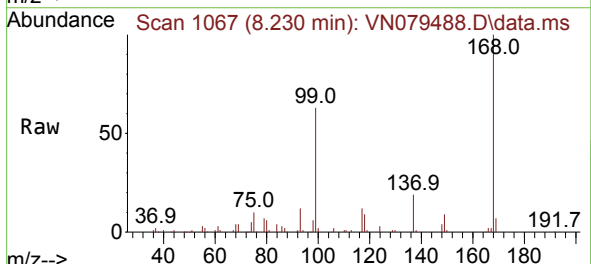
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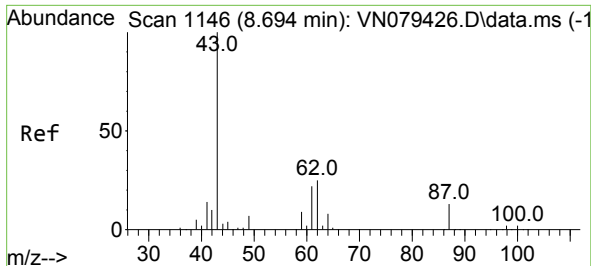
Tgt Ion: 75 Resp: 22712
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.346 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

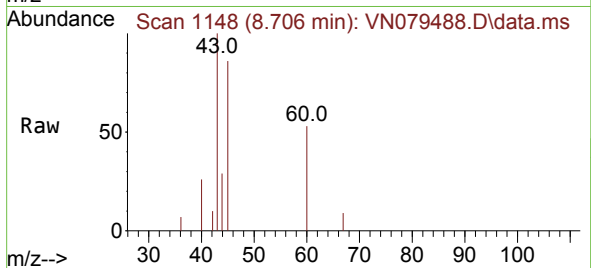
Tgt Ion: 117 Resp: 27852
Ion Ratio Lower Upper
117 100
119 7.0 77.3 115.9#
121 0.0 23.3 34.9#



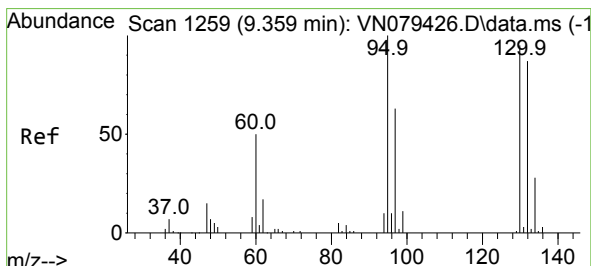
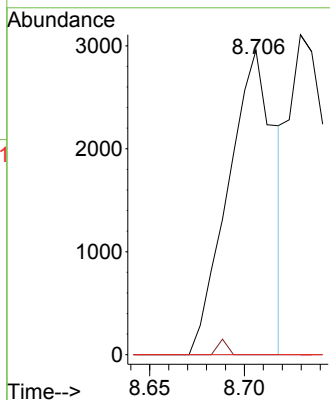
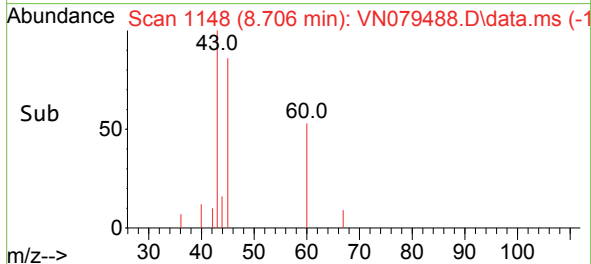


#43
Isopropyl Acetate
Concen: 0.558 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Instrument :
MSVOA_N
ClientSampleId :

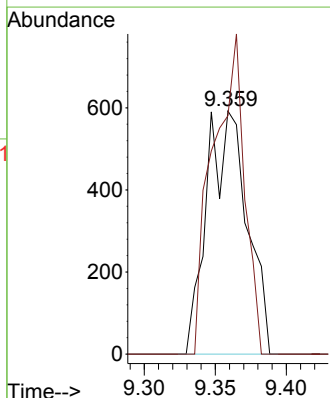
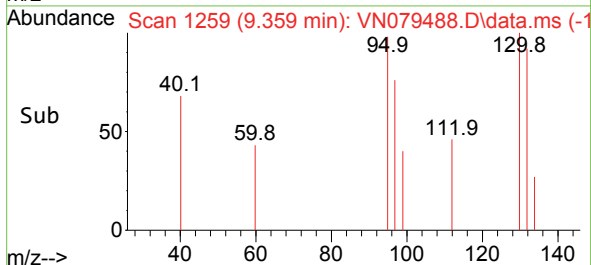
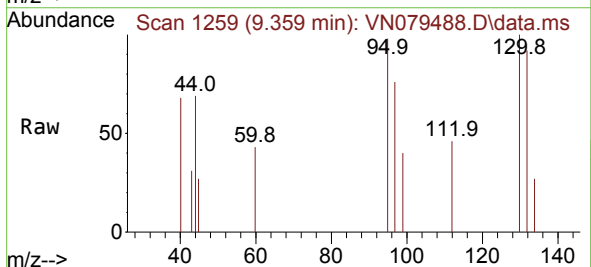


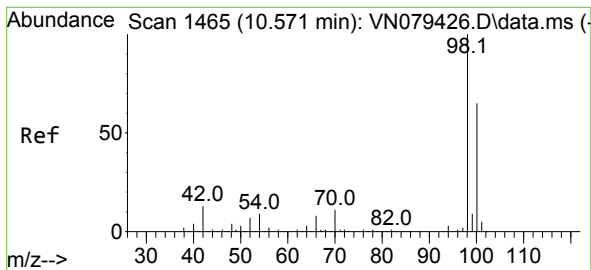
Tgt Ion: 43 Resp: 5066
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.322 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion:130 Resp: 1171
Ion Ratio Lower Upper
130 100
95 98.1 0.0 204.6

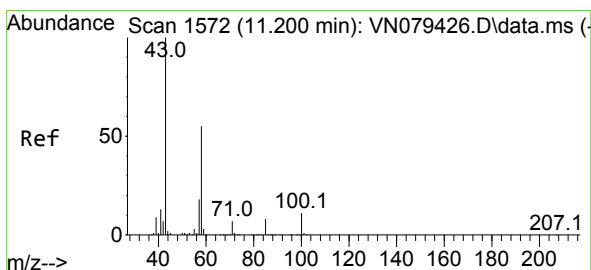
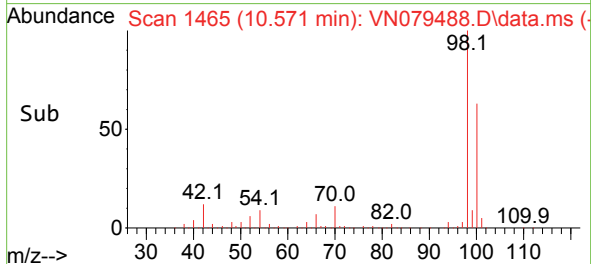
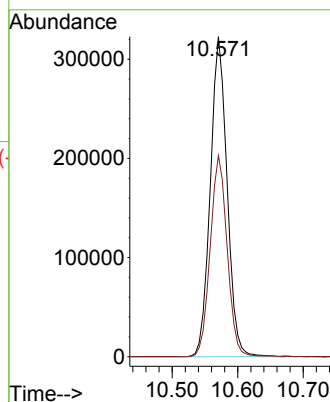
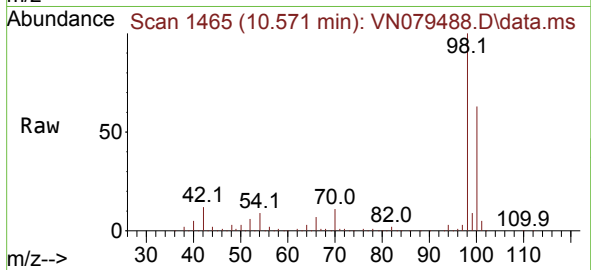




#50
Toluene-d8
Concen: 45.732 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

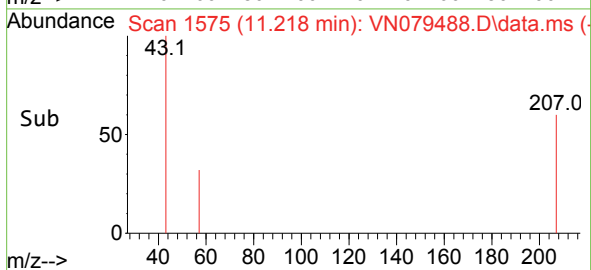
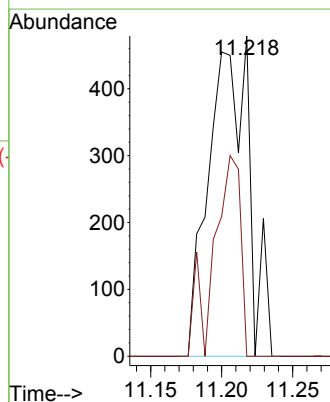
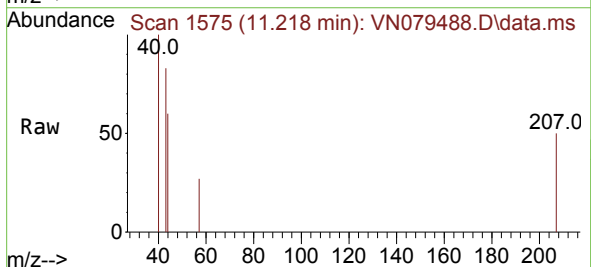
Instrument :
MSVOA_N
ClientSampleId :

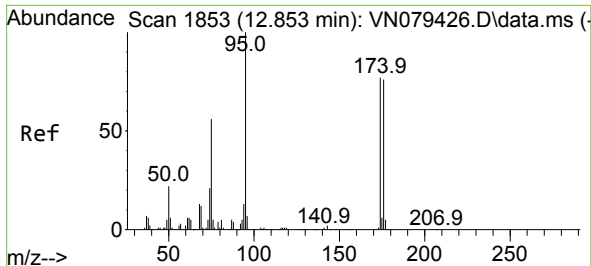
Tgt Ion: 98 Resp: 573750
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#59
2-Hexanone
Concen: 0.251 ug/l
RT: 11.218 min Scan# 1575
Delta R.T. 0.018 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
58 42.6 31.7 95.1

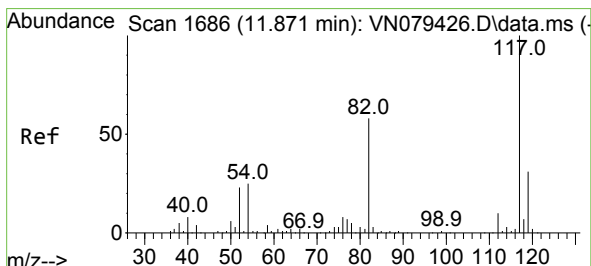
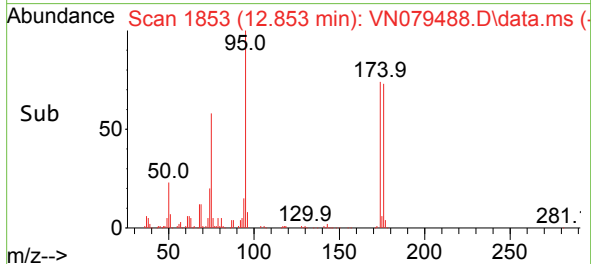
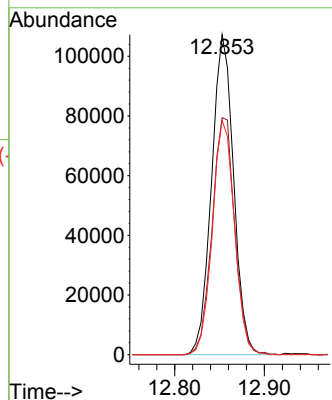
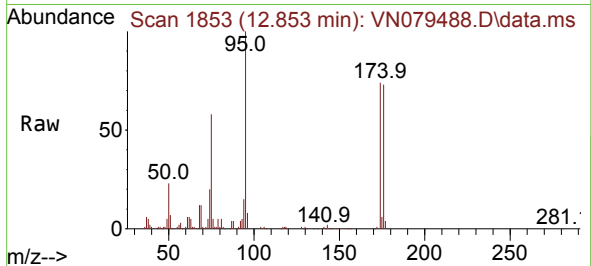




#62
4-Bromofluorobenzene
Concen: 45.374 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

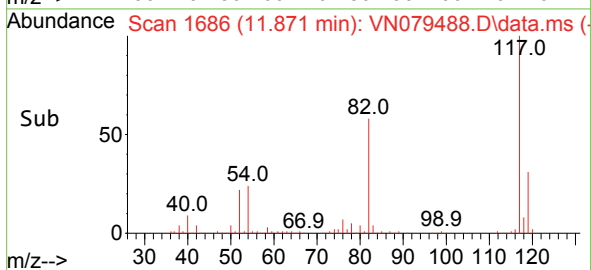
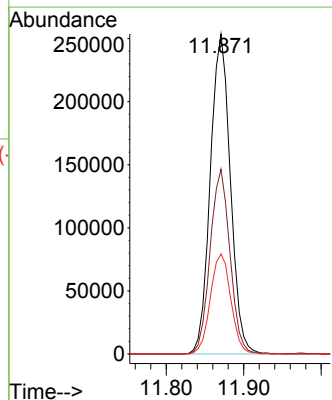
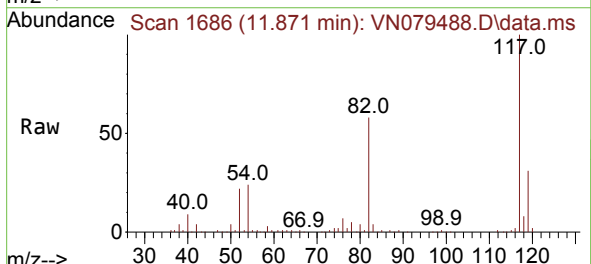
Instrument :
MSVOA_N
ClientSampleId :

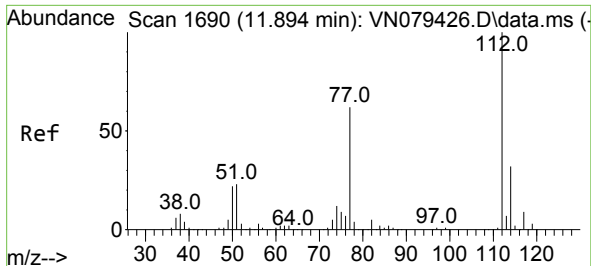
Tgt Ion: 95 Resp: 182684
Ion Ratio Lower Upper
95 100
174 76.5 0.0 143.8
176 73.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion: 117 Resp: 456127
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 31.3 25.6 38.4

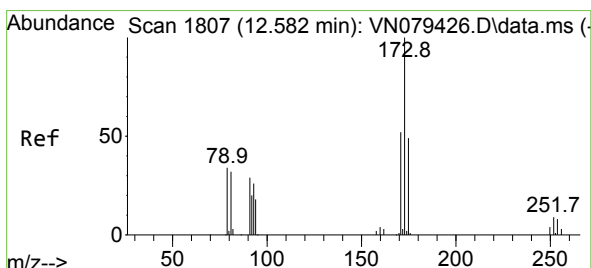
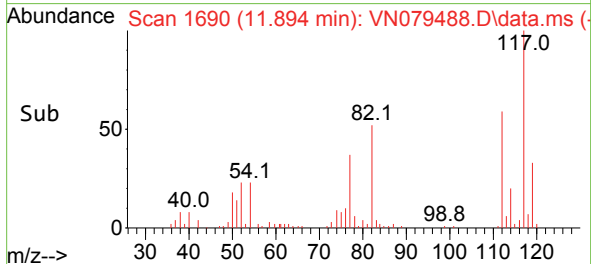
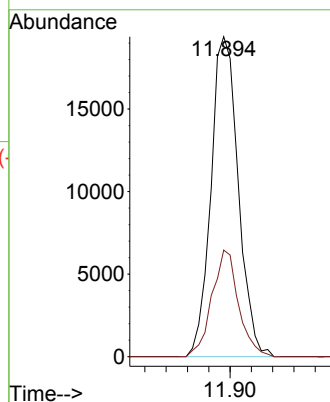
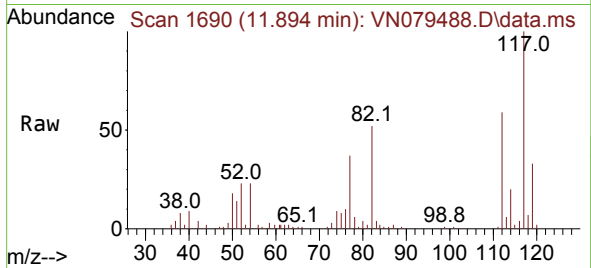




#65
Chlorobenzene
Concen: 3.393 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

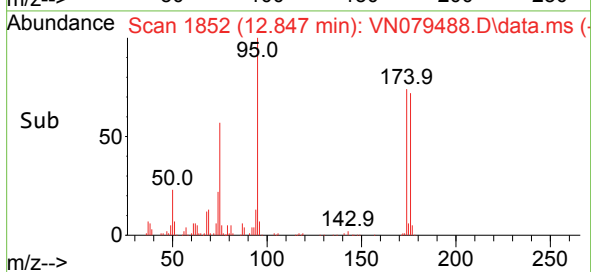
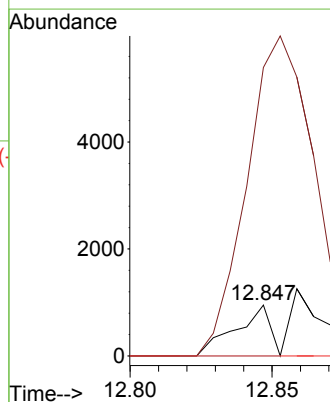
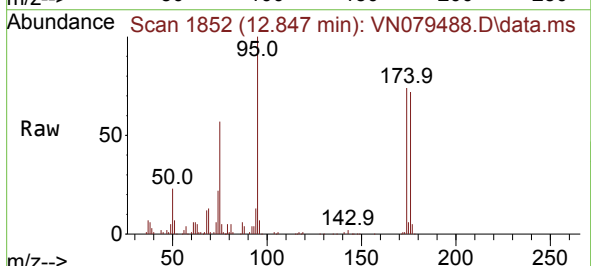
Instrument :
MSVOA_N
ClientSampleId :

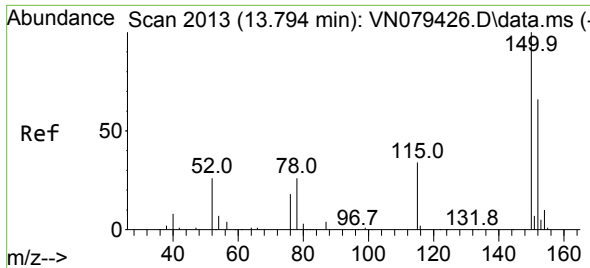
Tgt Ion:112 Resp: 34468
Ion Ratio Lower Upper
112 100
114 33.3 25.0 37.4



#71
Bromoform
Concen: 0.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079488.D
Acq: 10 Oct 2023 13:12

Tgt Ion:173 Resp: 809
Ion Ratio Lower Upper
173 100
175 950.3 24.3 73.0#
254 0.0 0.0 0.0

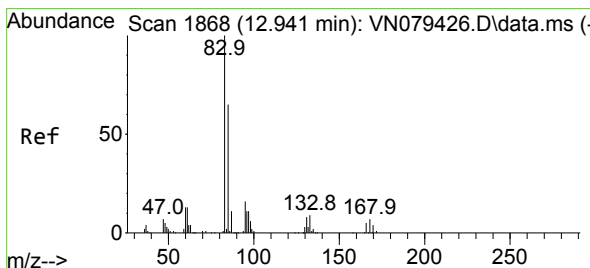
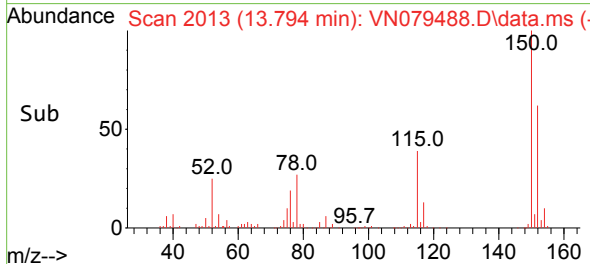
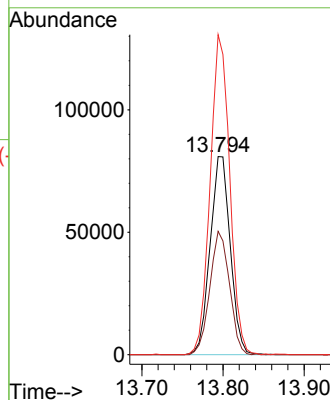
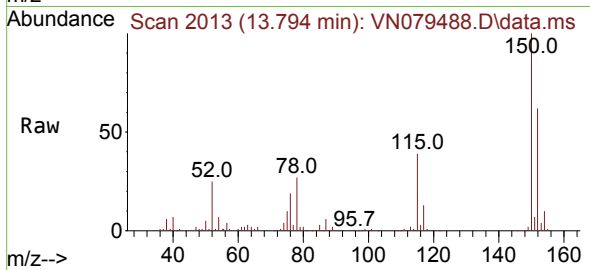




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079488.D
 Acq: 10 Oct 2023 13:12

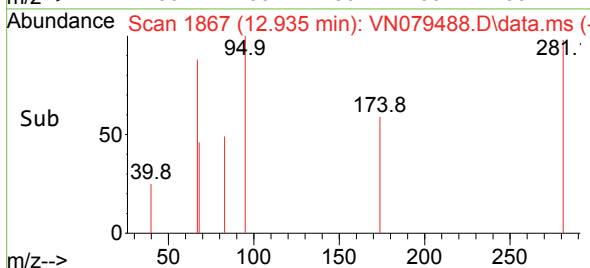
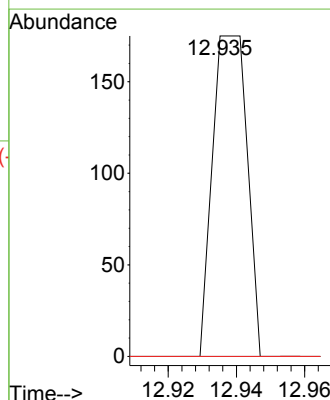
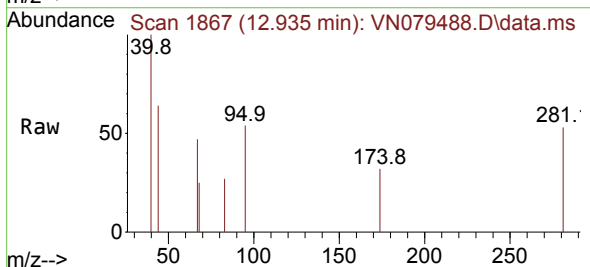
Instrument :
 MSVOA_N
 ClientSampleId :

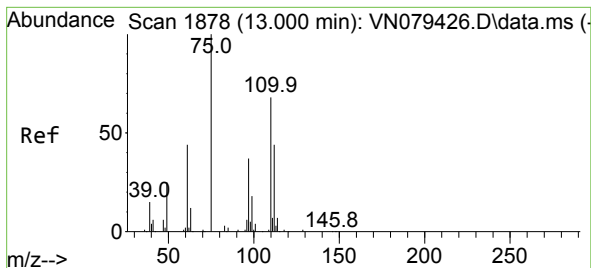
Tgt Ion:152 Resp: 139543
 Ion Ratio Lower Upper
 152 100
 115 60.7 32.3 96.8
 150 156.8 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: VN079488.D
 Acq: 10 Oct 2023 13:12

Tgt Ion: 83 Resp: 123
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.910 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

Instrument :

MSVOA_N

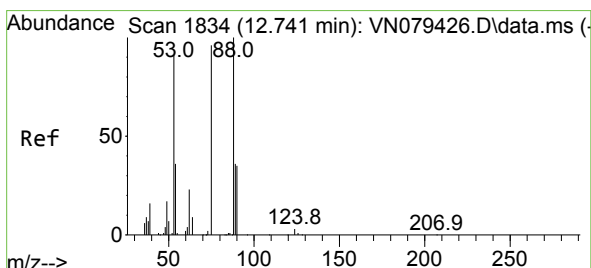
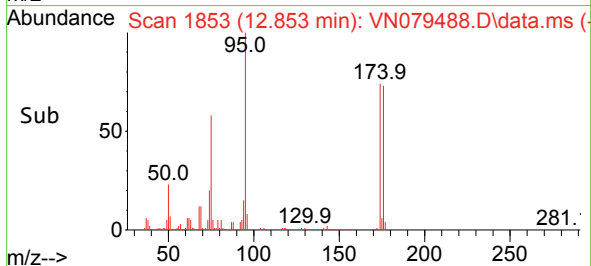
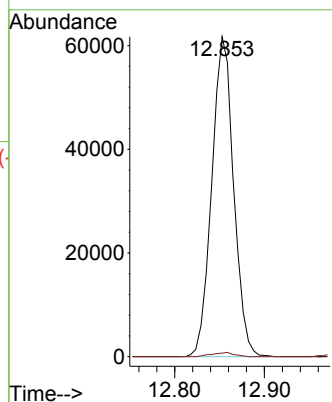
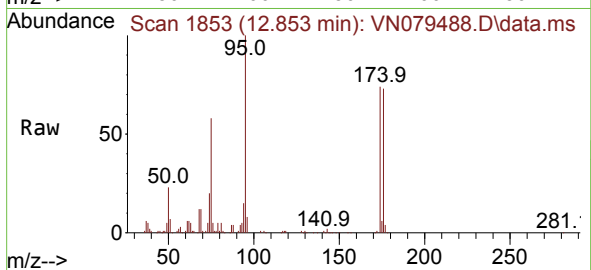
ClientSampleId :

Tgt Ion: 75 Resp: 104247

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.179 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

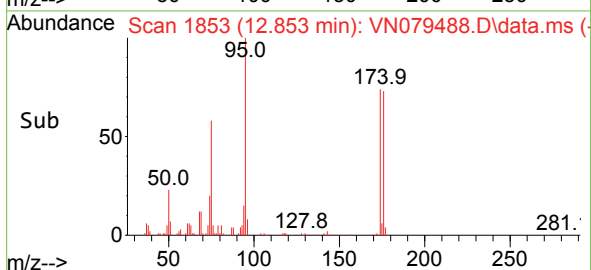
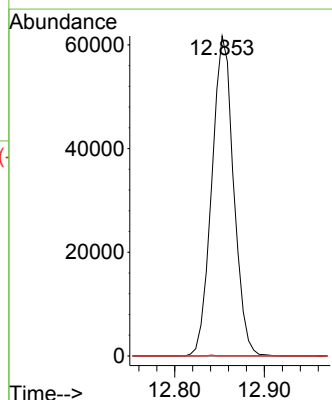
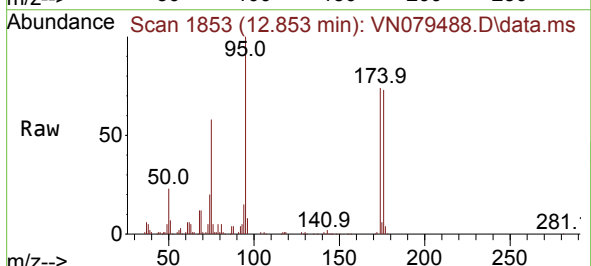
Tgt Ion: 75 Resp: 104247

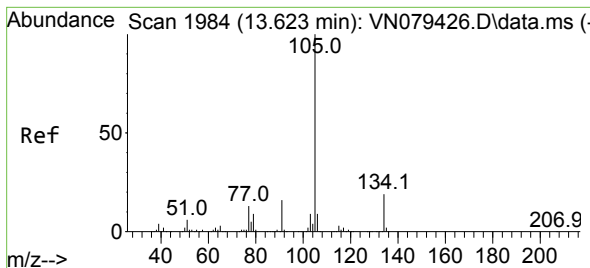
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

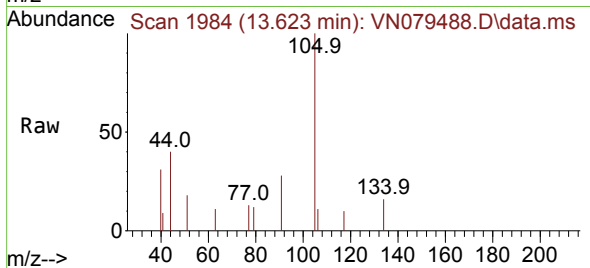
89 0.1 38.8 58.2#



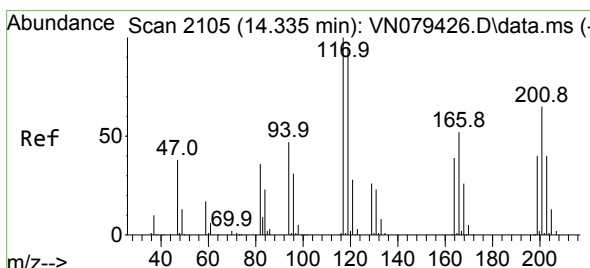
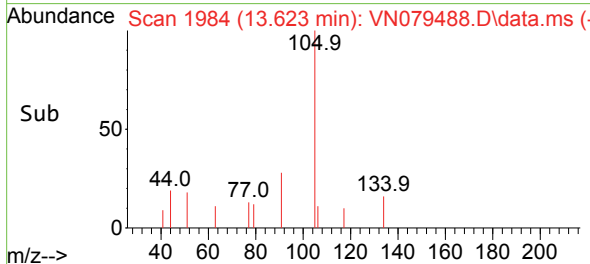
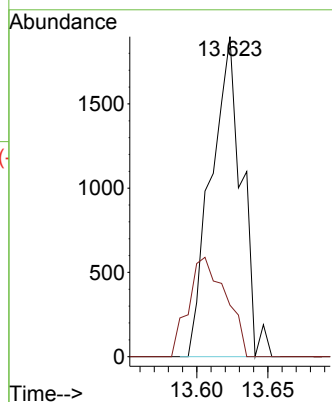


#85
 sec-Butylbenzene
 Concen: 0.244 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN079488.D
 Acq: 10 Oct 2023 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

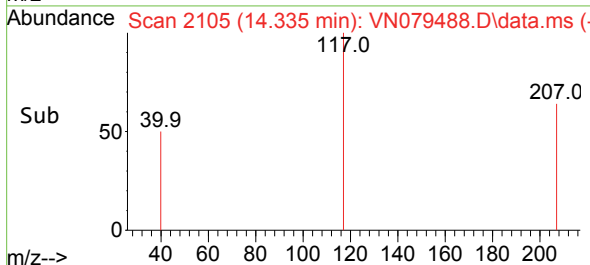
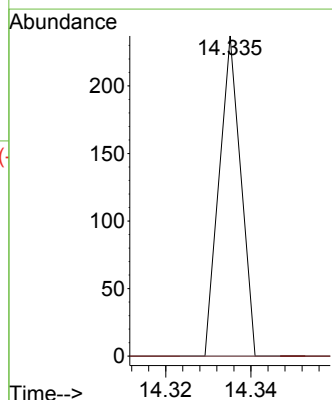
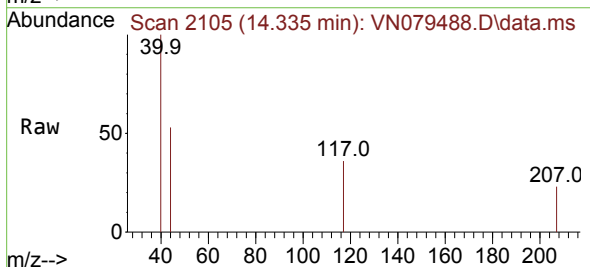


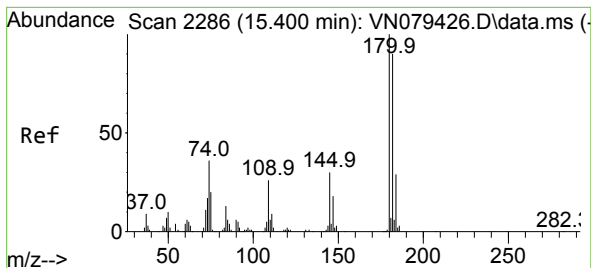
Tgt Ion:105 Resp: 2857
 Ion Ratio Lower Upper
 105 100
 134 37.8 9.8 29.3#



#90
 Hexachloroethane
 Concen: Below Cal
 RT: 14.335 min Scan# 2105
 Delta R.T. 0.000 min
 Lab File: VN079488.D
 Acq: 10 Oct 2023 13:12

Tgt Ion:117 Resp: 84
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.260 ug/l

RT: 15.406 min Scan# 21

Delta R.T. 0.006 min

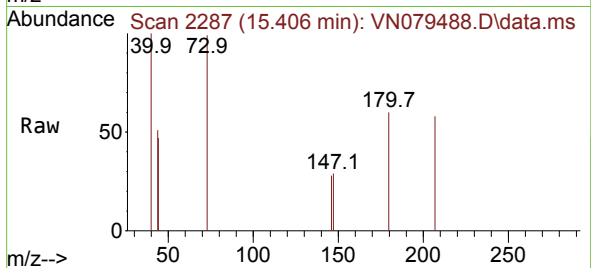
Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

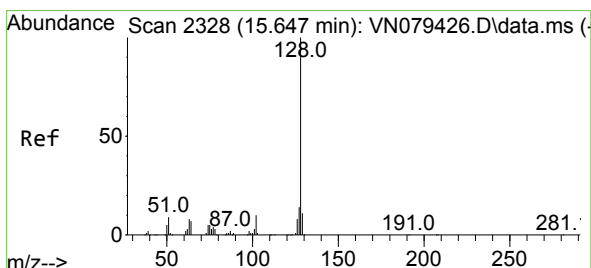
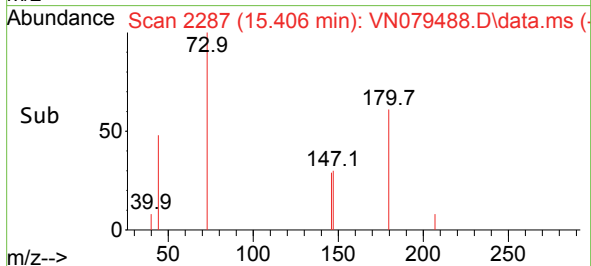
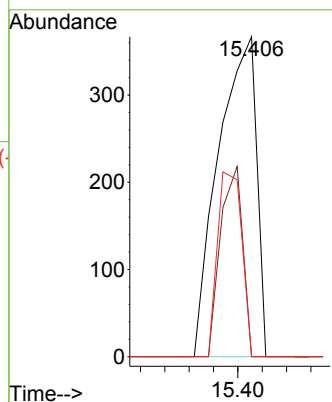
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180	Resp:	397
Ion Ratio	Lower	Upper
180	100	
182	34.5	46.1 138.2#
145	36.8	16.6 49.8



#95

Naphthalene

Concen: 0.438 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN079488.D

Acq: 10 Oct 2023 13:12

Tgt Ion:128	Resp:	2041
Ion Ratio	Lower	Upper
128	100	
127	6.6	10.0 15.0#
129	0.0	8.7 13.1#

