

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080542.D
 Acq On : 20 Dec 2023 13:21
 Operator : JC\MD
 Sample : 05932-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:41:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

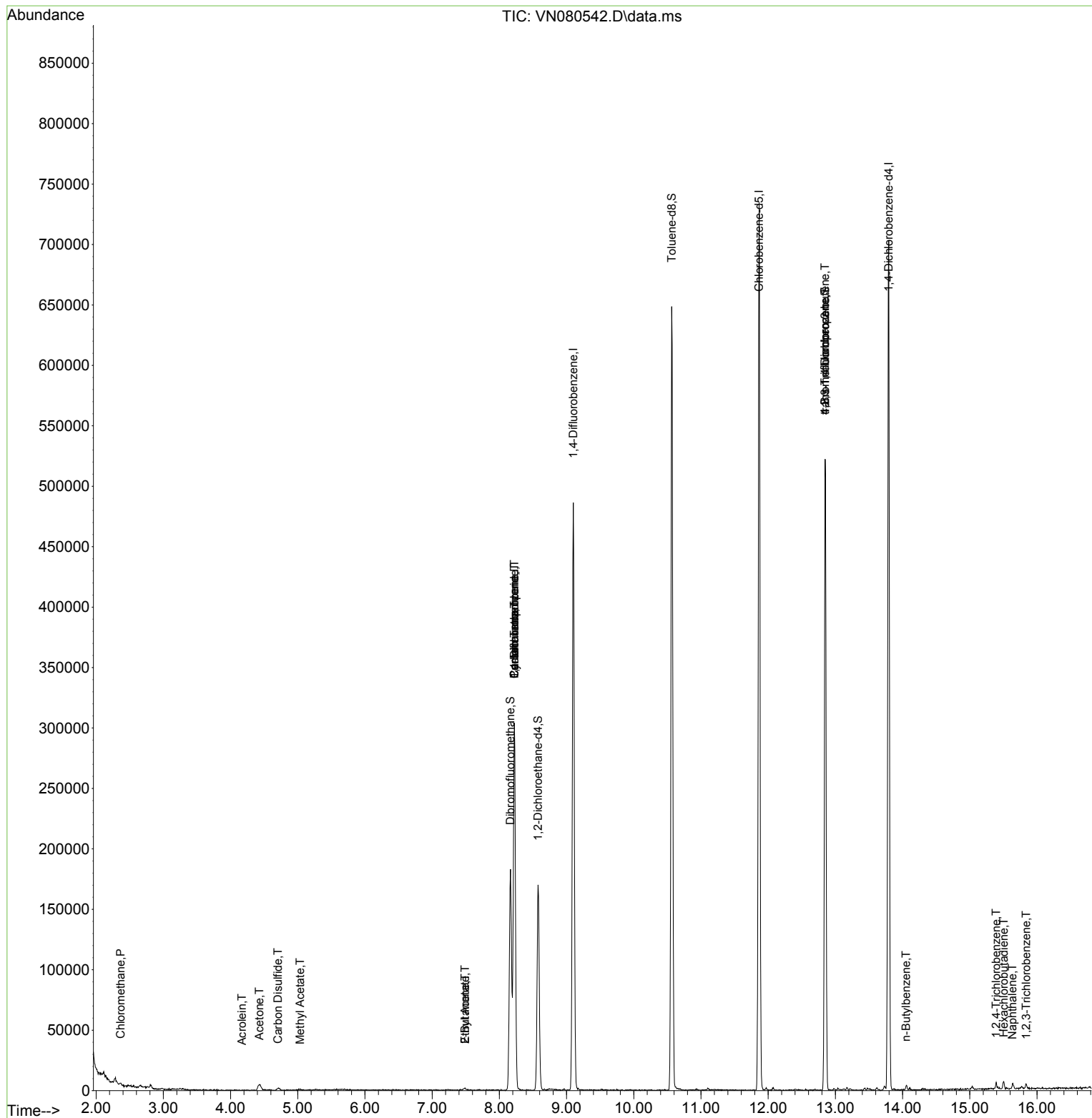
Internal Standards						
1) Pentafluorobenzene	8.224	168	213398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	408694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	425423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149693	54.922	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.840%
35) Dibromofluoromethane	8.165	113	127546	49.221	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.440%
50) Toluene-d8	10.565	98	456573	47.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.480%
62) 4-Bromofluorobenzene	12.847	95	184065	50.158	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2921	0.625	ug/l	93
13) Acrolein	4.171	56	110	0.313	ug/l	96
16) Acetone	4.430	43	10110	20.920	ug/l #	87
17) Carbon Disulfide	4.706	76	3590	0.552	ug/l #	75
18) Methyl Acetate	5.036	43	1040	0.334	ug/l #	51
25) 2-Butanone	7.489	43	2539	2.727	ug/l #	85
31) Cyclohexane	8.224	56	4756	1.283	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	16968	4.005	ug/l #	49
37) Ethyl Acetate	7.489	43	2539	0.957	ug/l #	66
38) Carbon Tetrachloride	8.224	117	24533	4.846	ug/l #	17
76) 1,2,3-Trichloropropane	12.847	75	100865	26.350	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	100865	69.185	ug/l #	15
89) n-Butylbenzene	14.053	91	2762	0.263	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	1678	0.476	ug/l	84
94) Hexachlorobutadiene	15.506	225	1361	0.679	ug/l	92
95) Naphthalene	15.635	128	4769	0.446	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	1768	0.520	ug/l	92

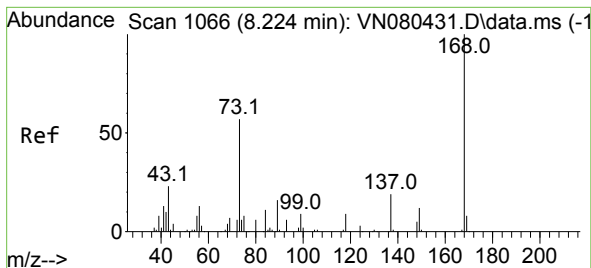
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

Instrument :

MSVOA_N

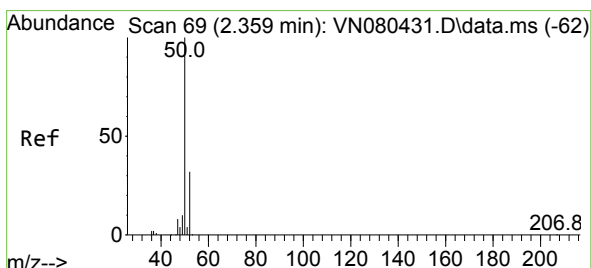
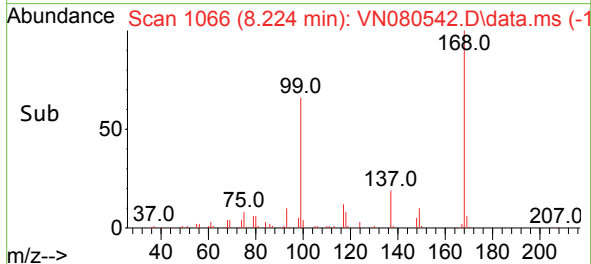
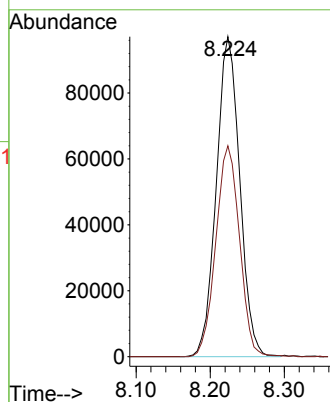
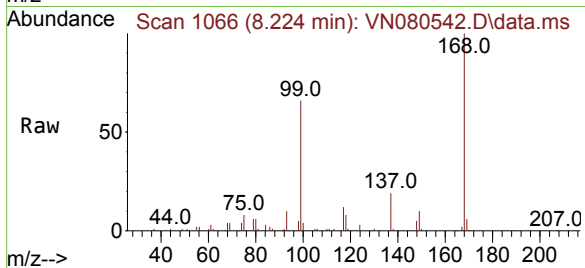
ClientSampleId :

Tgt Ion:168 Resp: 213398

Ion Ratio Lower Upper

168 100

99 65.9 53.0 79.6



#3

Chloromethane

Concen: 0.625 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080542.D

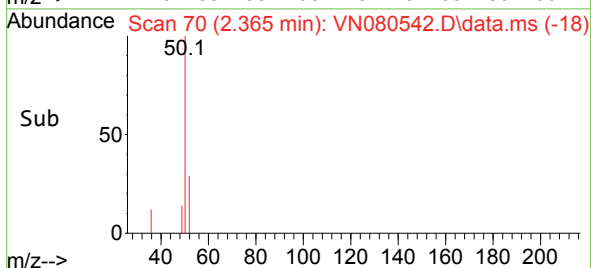
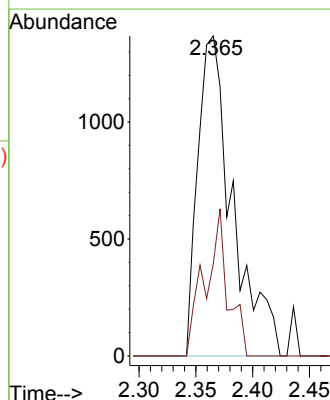
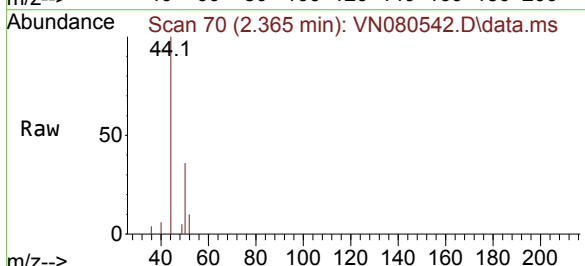
Acq: 20 Dec 2023 13:21

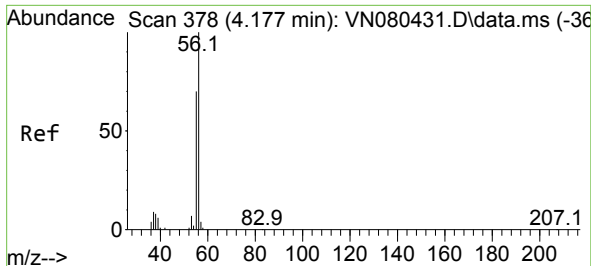
Tgt Ion: 50 Resp: 2921

Ion Ratio Lower Upper

50 100

52 28.9 26.5 39.7

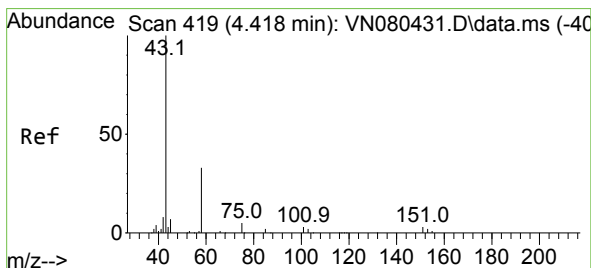
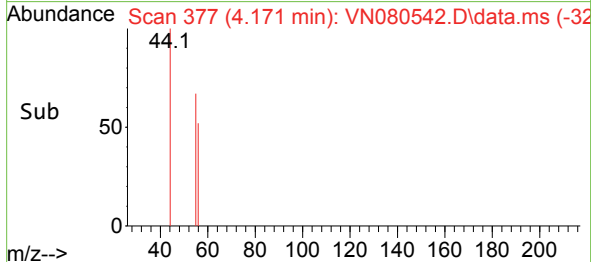
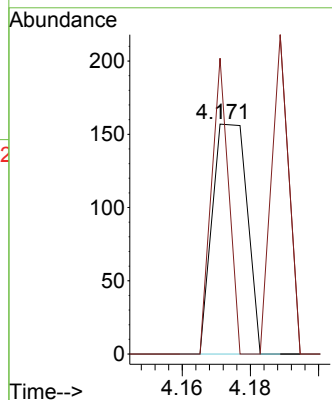
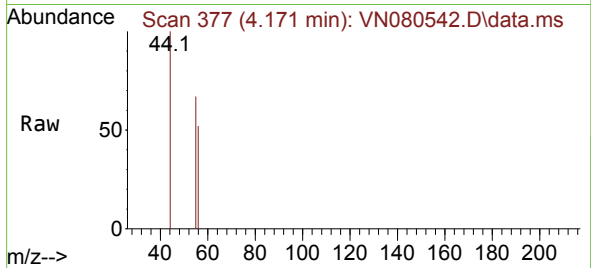




#13
Acrolein
Concen: 0.313 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

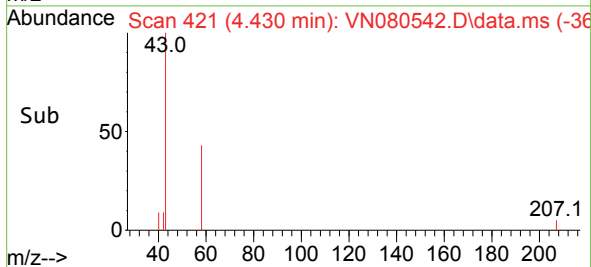
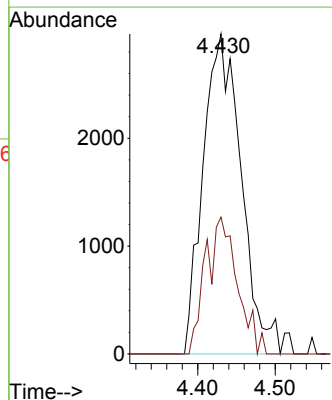
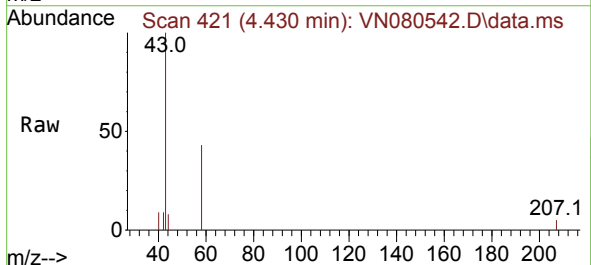
Instrument :
MSVOA_N
ClientSampleId :

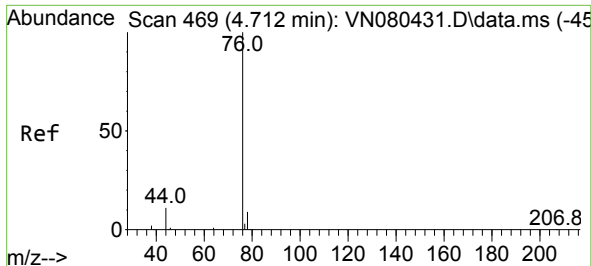
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 64.5 54.5 81.7



#16
Acetone
Concen: 20.920 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Tgt Ion: 43 Resp: 10110
Ion Ratio Lower Upper
43 100
58 42.8 28.0 42.0#

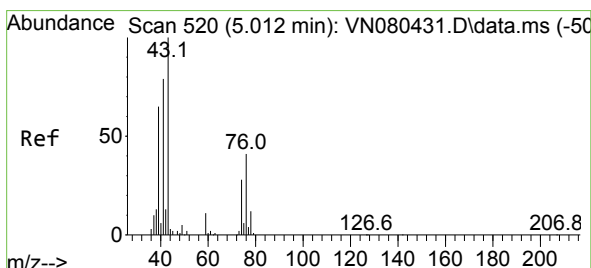
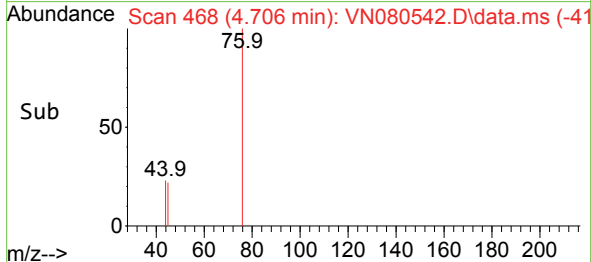
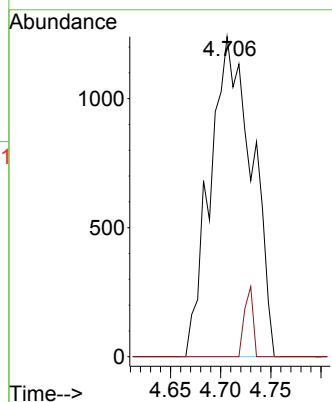
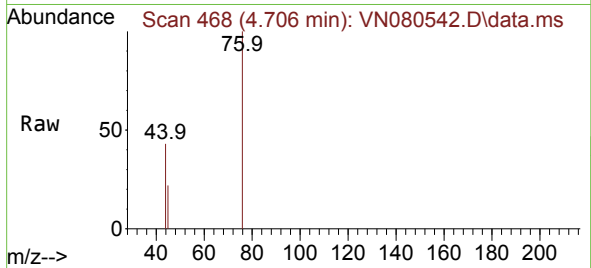




#17
Carbon Disulfide
Concen: 0.552 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

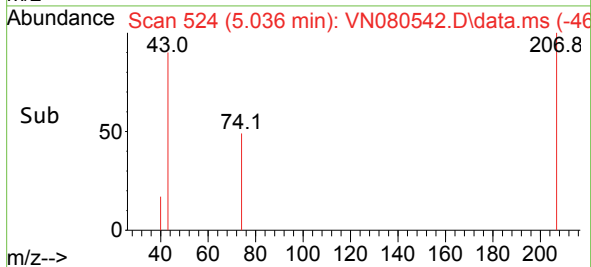
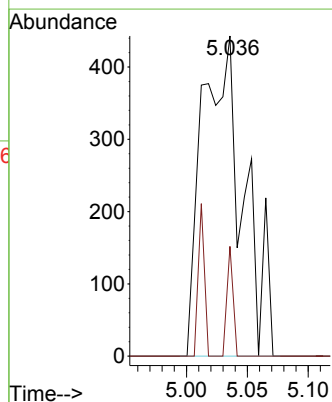
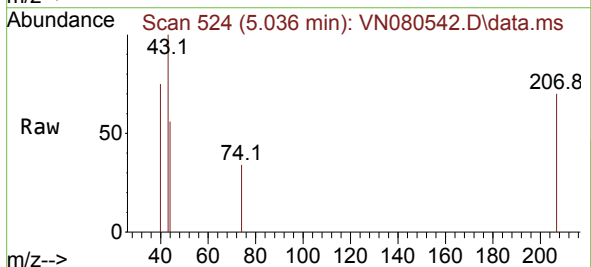
Instrument :
MSVOA_N
ClientSampleId :

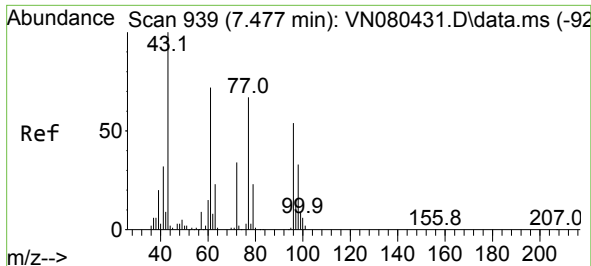
Tgt Ion: 76 Resp: 3590
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.024 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

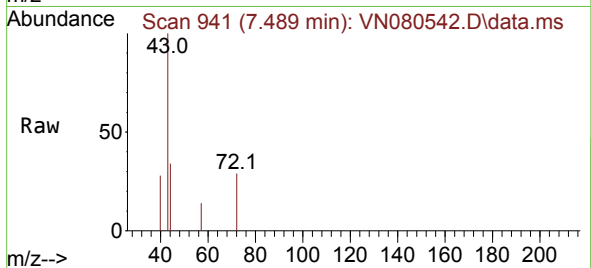
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
74 5.2 26.2 39.4#



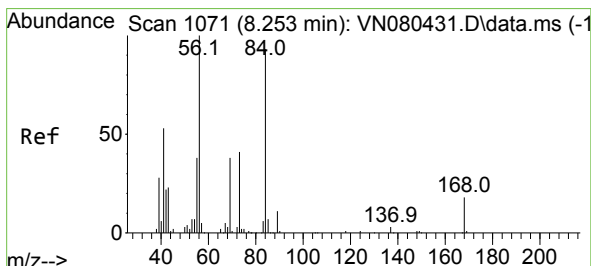
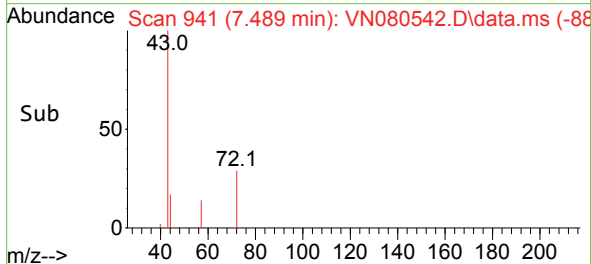
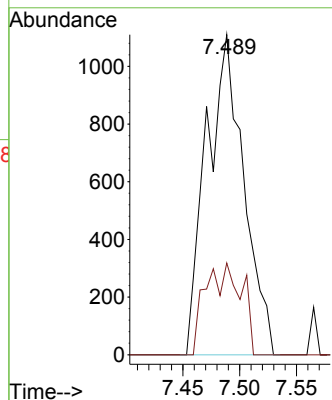


#25
2-Butanone
Concen: 2.727 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :

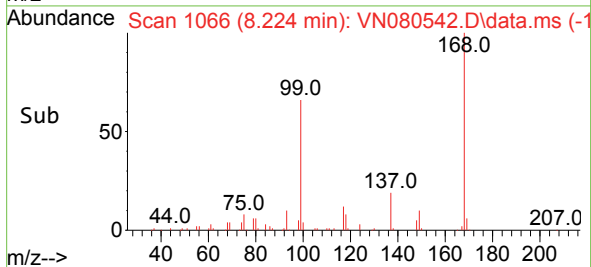
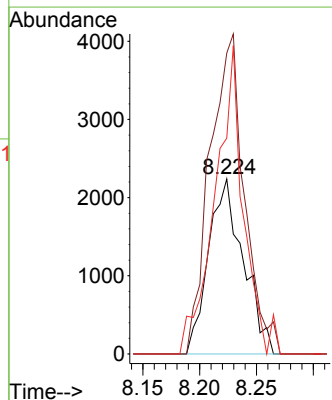
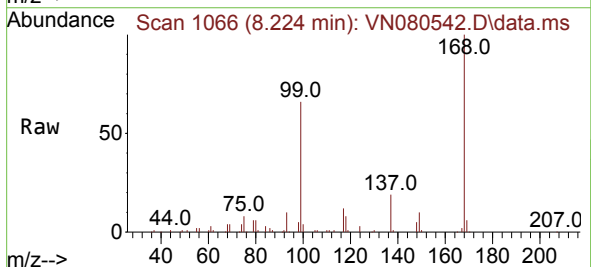


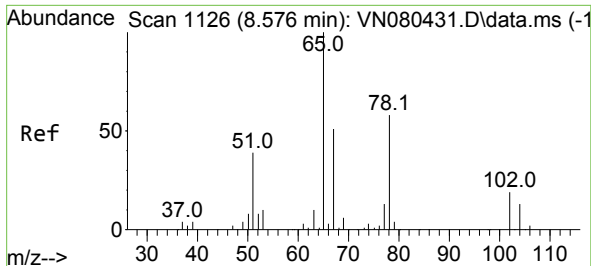
Tgt Ion: 43 Resp: 2539
Ion Ratio Lower Upper
43 100
72 28.6 30.2 45.2#



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Tgt Ion: 56 Resp: 4756
Ion Ratio Lower Upper
56 100
69 171.9 26.8 40.2#
84 123.3 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 54.922 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

Instrument :

MSVOA_N

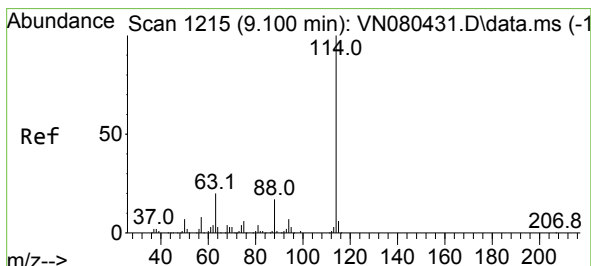
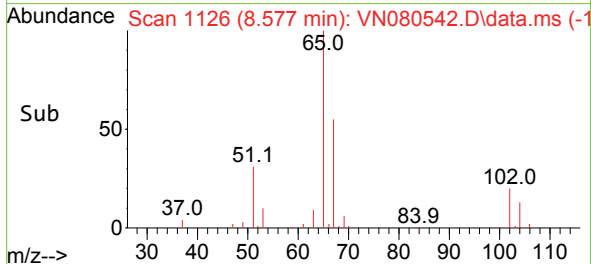
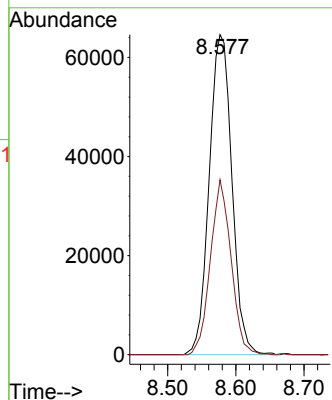
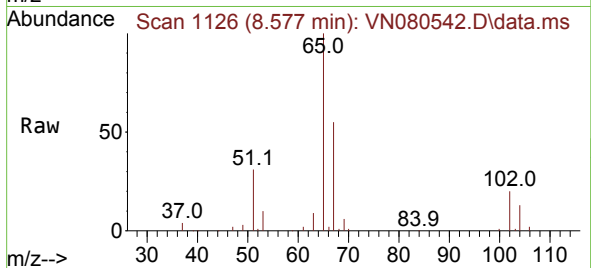
ClientSampleId :

Tgt Ion: 65 Resp: 149693

Ion Ratio Lower Upper

65 100

67 49.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

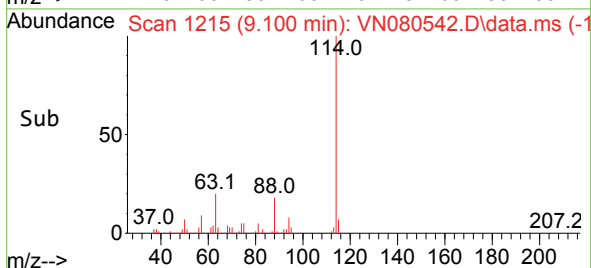
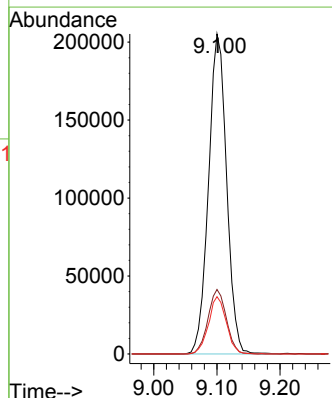
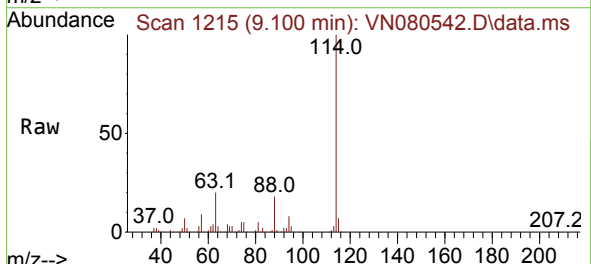
Tgt Ion: 114 Resp: 408694

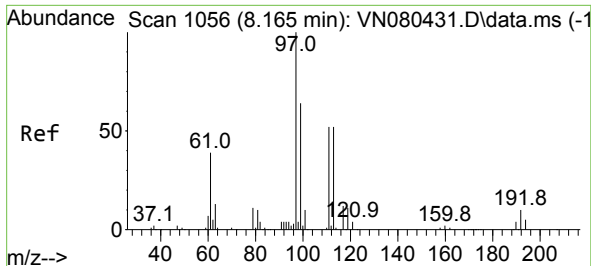
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 17.9 0.0 30.6

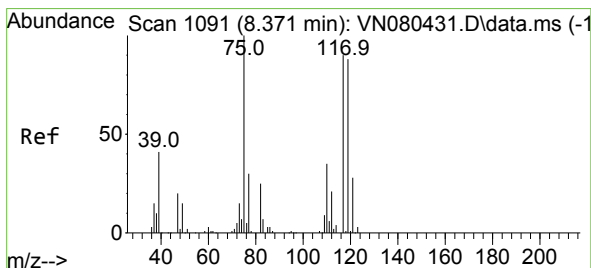
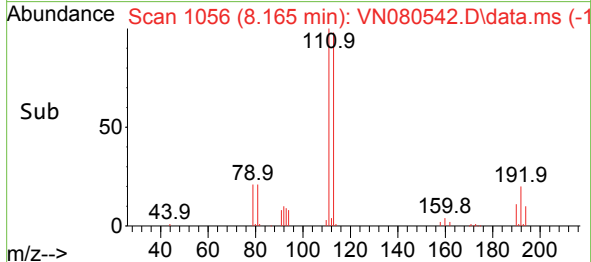
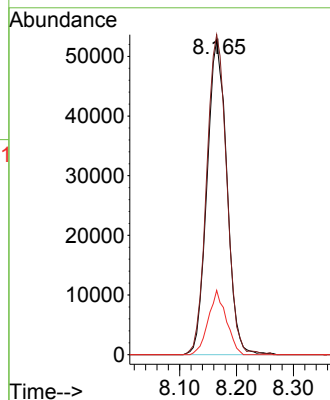
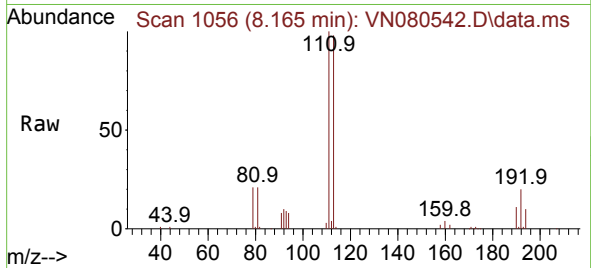




#35
Dibromofluoromethane
Concen: 49.221 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

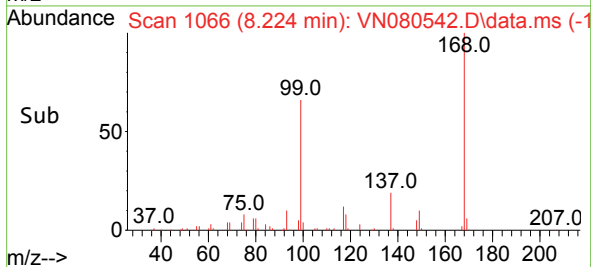
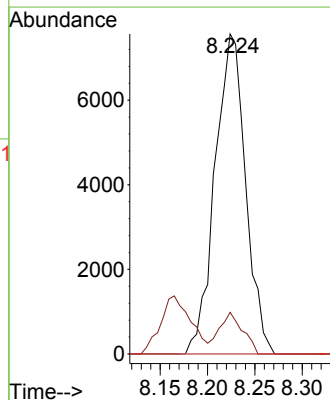
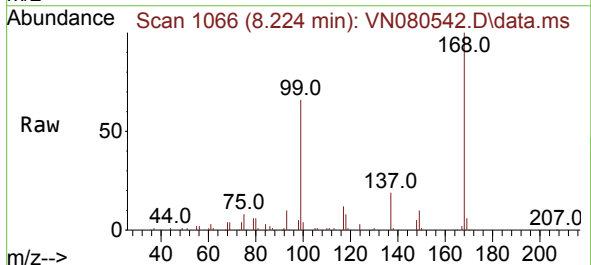
Instrument :
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ClientSampleId :

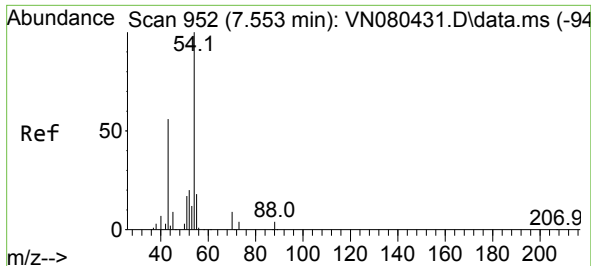
Tgt Ion:113 Resp: 127546
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 18.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.005 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Tgt Ion: 75 Resp: 16968
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.957 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.064 min

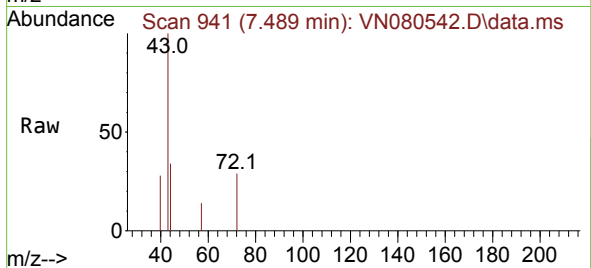
Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :



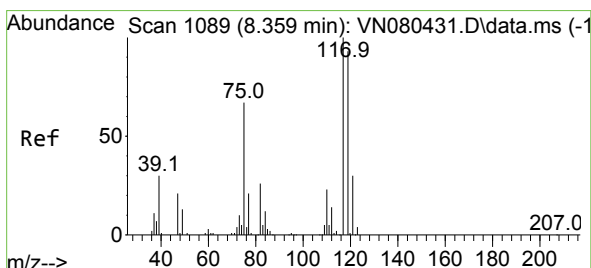
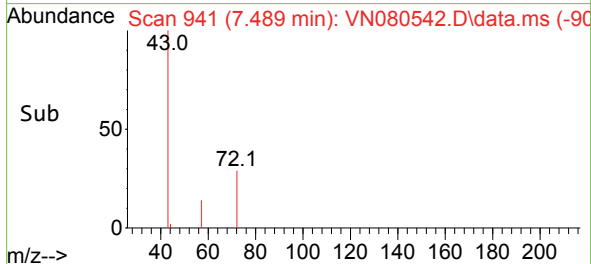
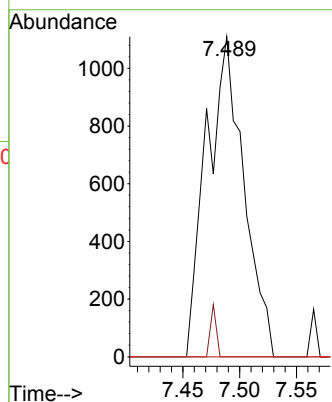
Tgt Ion: 43 Resp: 2539

Ion Ratio Lower Upper

43 100

61 2.5 13.2 19.8#

70 0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.846 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

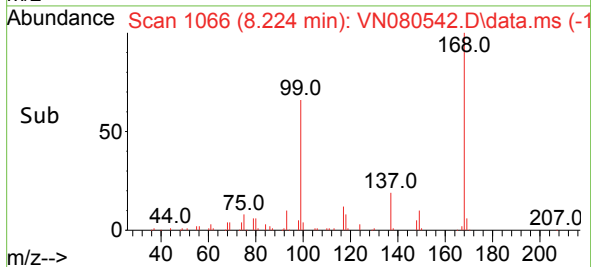
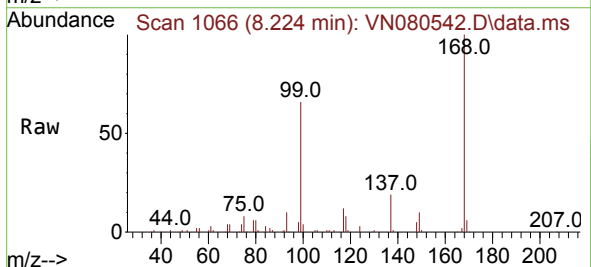
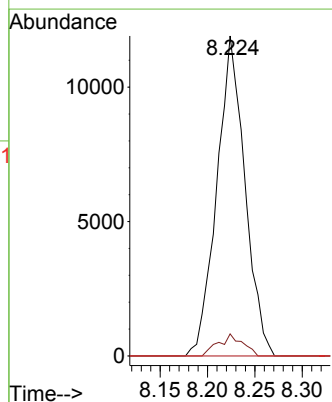
Tgt Ion: 117 Resp: 24533

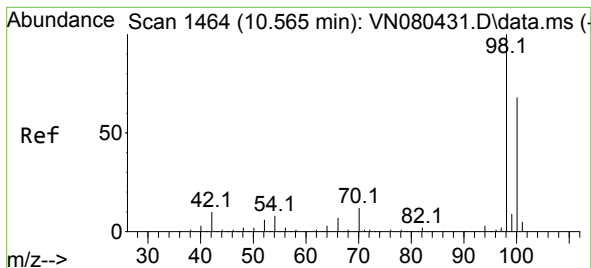
Ion Ratio Lower Upper

117 100

119 6.9 77.3 115.9#

121 0.0 23.3 34.9#

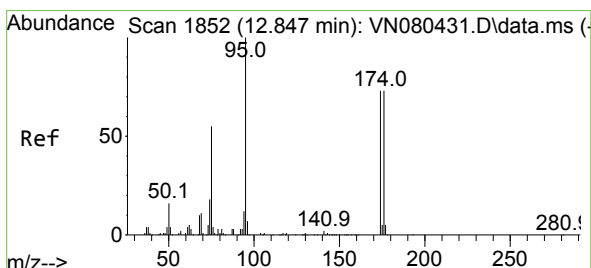
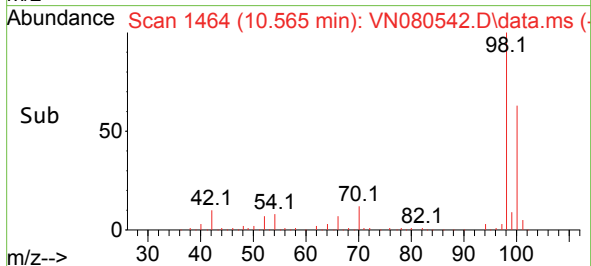
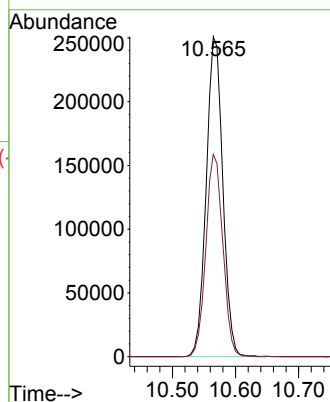
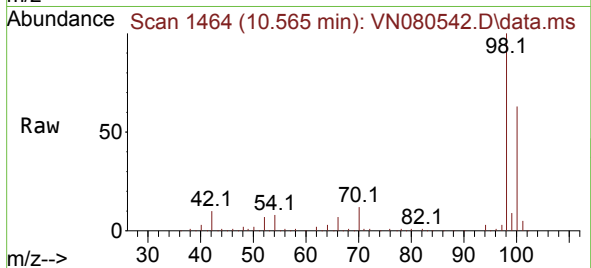




#50
Toluene-d8
Concen: 47.244 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

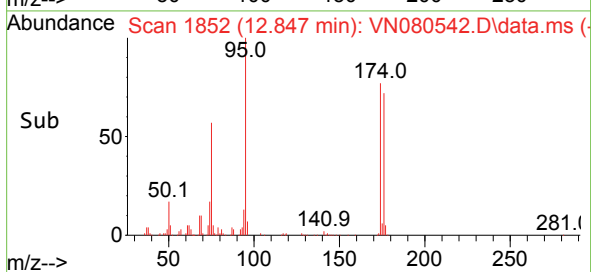
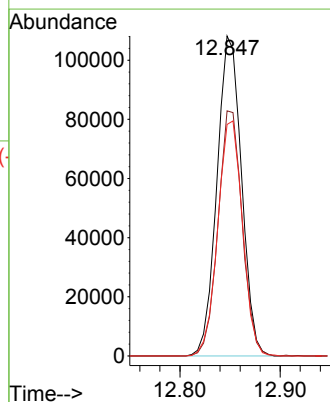
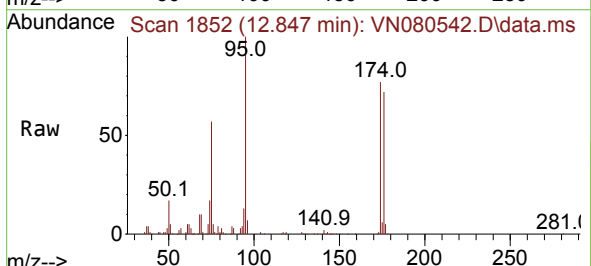
Instrument :
MSVOA_N
ClientSampleId :

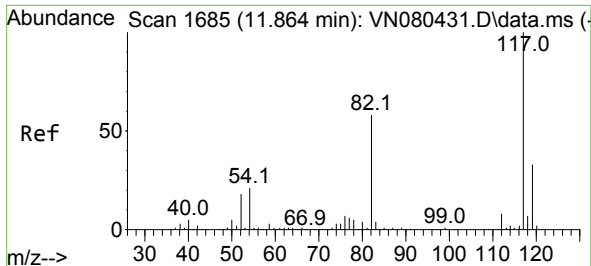
Tgt Ion: 98 Resp: 456573
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

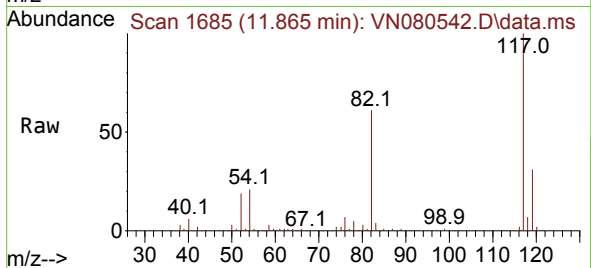
Tgt Ion: 95 Resp: 184065
Ion Ratio Lower Upper
95 100
174 75.2 0.0 143.8
176 74.0 0.0 135.8



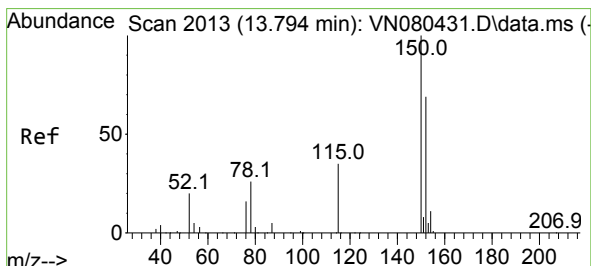
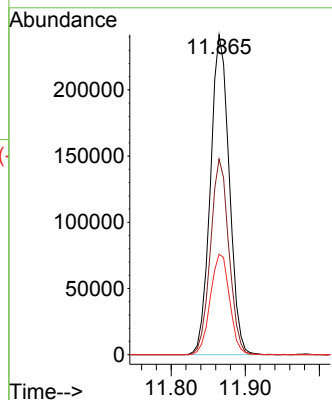
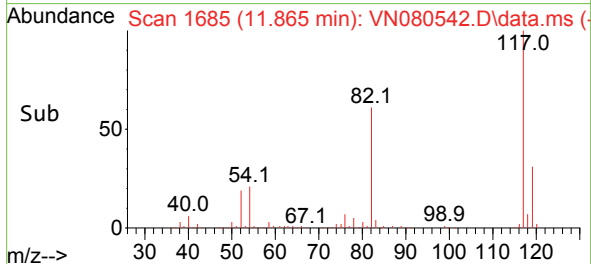


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

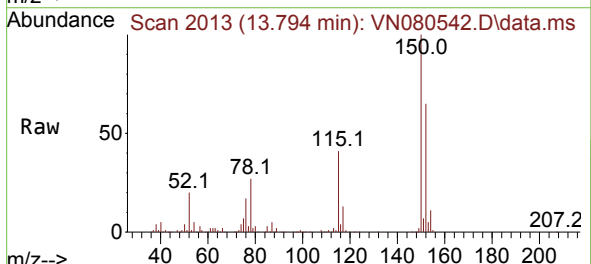
Instrument :
MSVOA_N
ClientSampleId :



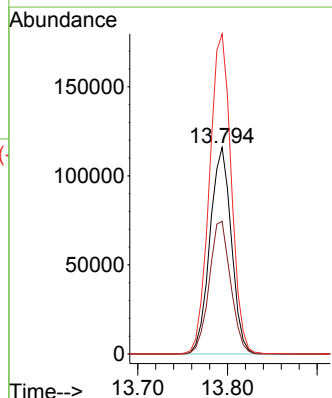
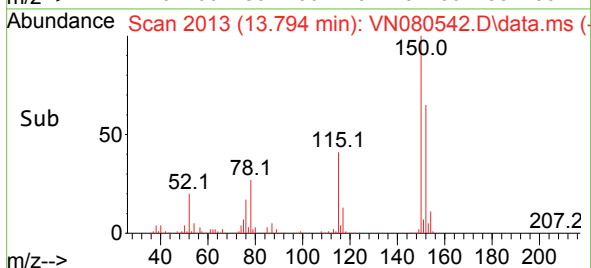
Tgt Ion:117 Resp: 425423
Ion Ratio Lower Upper
117 100
82 61.1 44.0 66.0
119 31.4 25.6 38.4

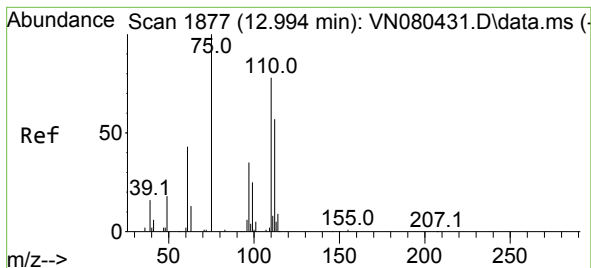


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21



Tgt Ion:152 Resp: 191877
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 157.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 26.350 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

Instrument :

MSVOA_N

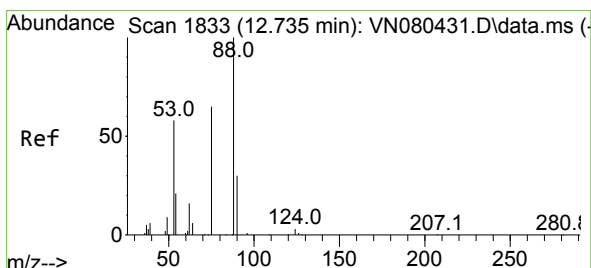
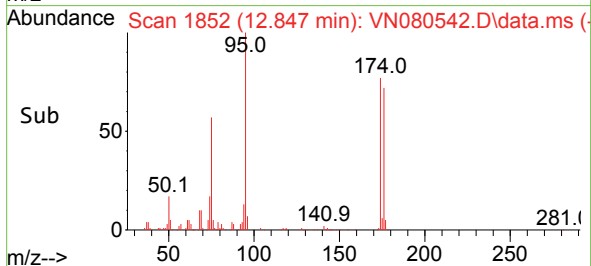
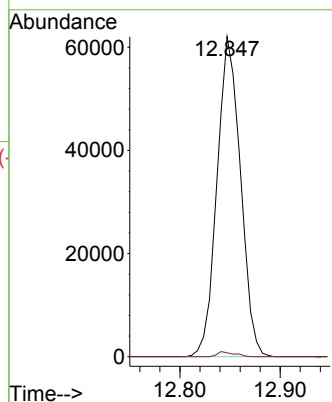
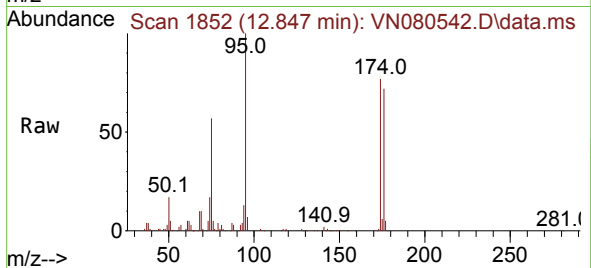
ClientSampleId :

Tgt Ion: 75 Resp: 100865

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.185 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

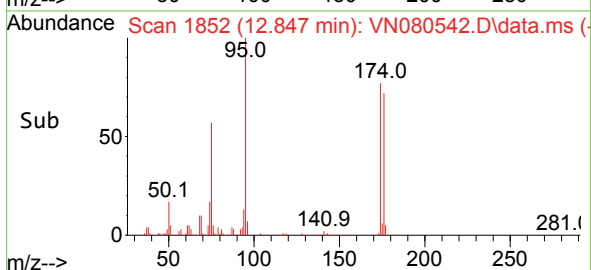
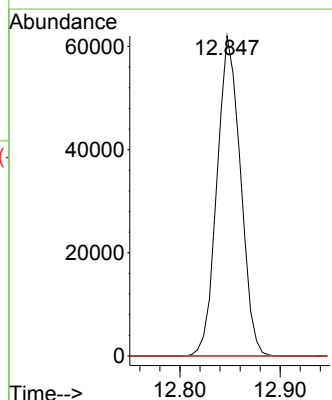
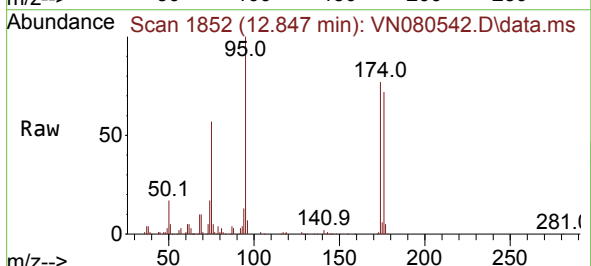
Tgt Ion: 75 Resp: 100865

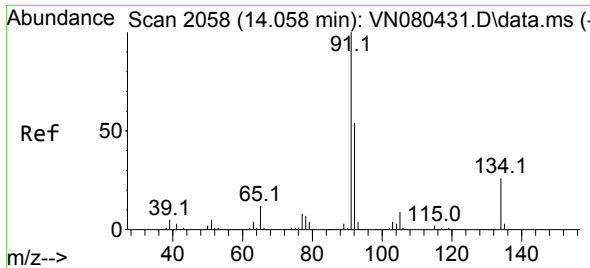
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

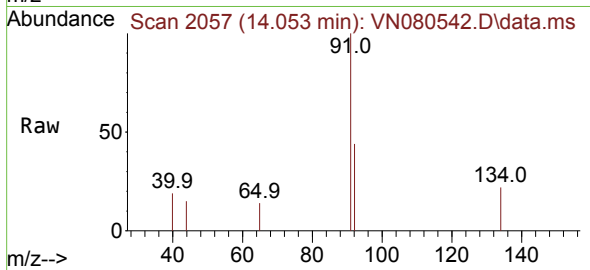
89 0.0 38.8 58.2#



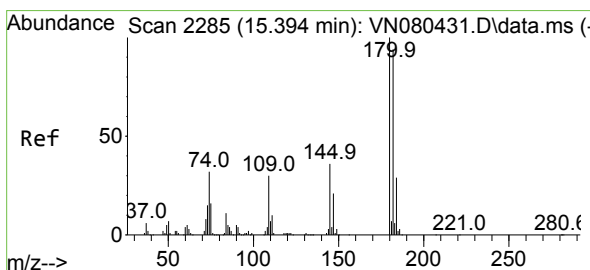
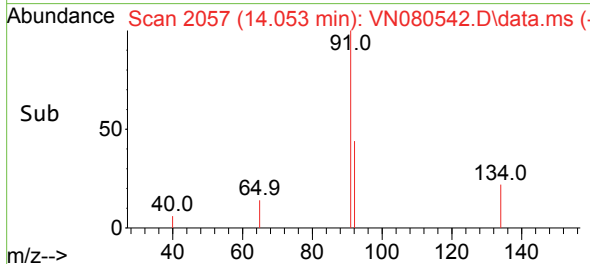
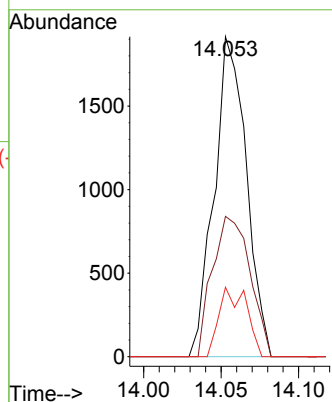


#89
n-Butylbenzene
Concen: 0.263 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Instrument :
MSVOA_N
ClientSampleId :

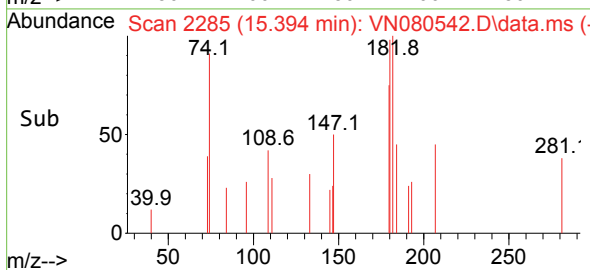
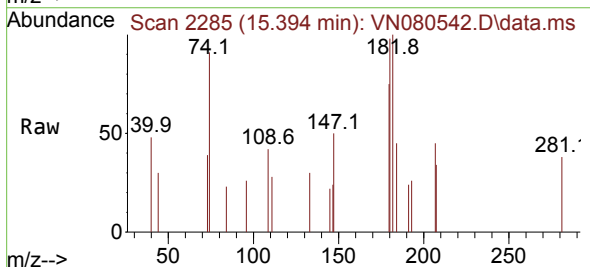
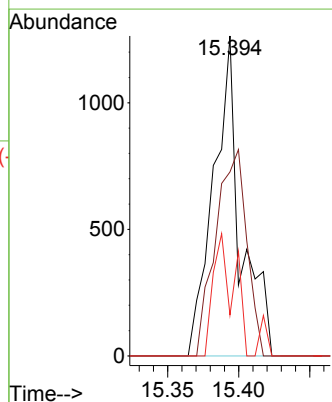


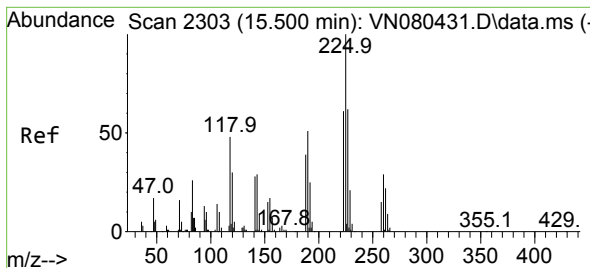
Tgt Ion:	91	Resp:	2762
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.4	79.0
134	18.6	12.6	37.6



#93
1,2,4-Trichlorobenzene
Concen: 0.476 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080542.D
Acq: 20 Dec 2023 13:21

Tgt Ion:	180	Resp:	1678
Ion	Ratio	Lower	Upper
180	100		
182	73.8	46.1	138.2
145	29.2	16.6	49.8





#94

Hexachlorobutadiene

Concen: 0.679 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

Instrument :

MSVOA_N

ClientSampleId :

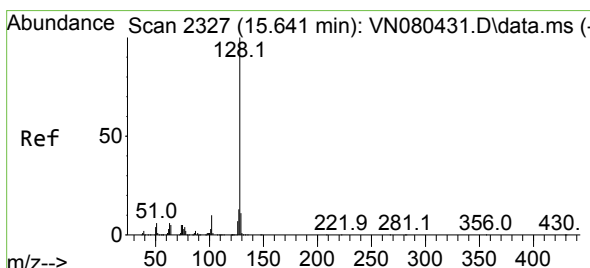
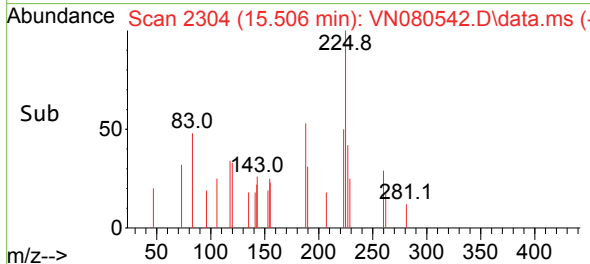
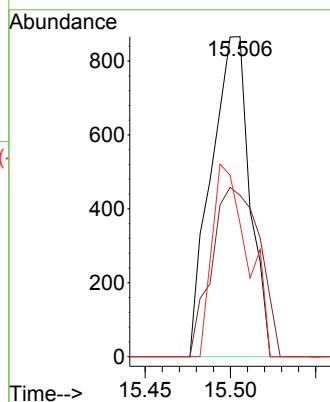
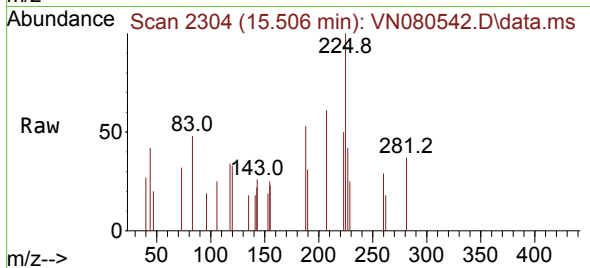
Tgt Ion:225 Resp: 1361

Ion Ratio Lower Upper

225 100

223 65.9 31.3 93.8

227 55.3 31.9 95.9



#95

Naphthalene

Concen: 0.446 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN080542.D

Acq: 20 Dec 2023 13:21

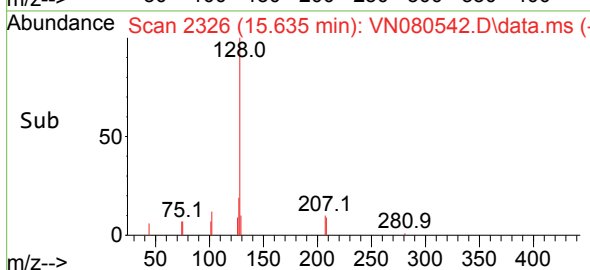
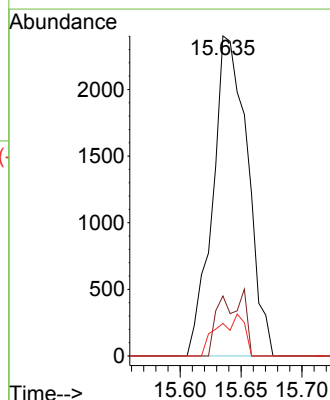
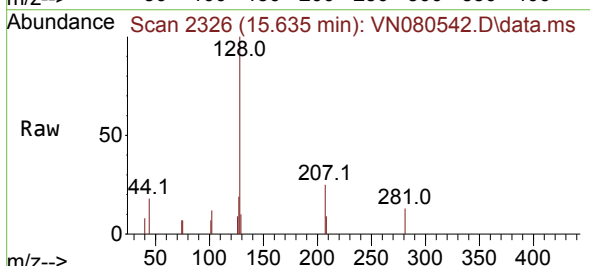
Tgt Ion:128 Resp: 4769

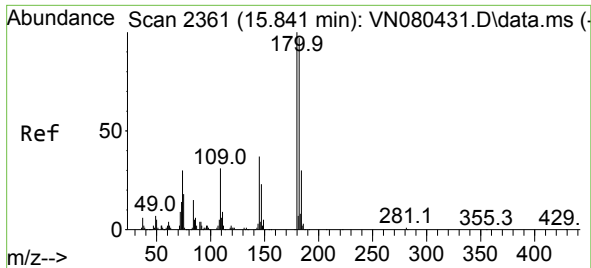
Ion Ratio Lower Upper

128 100

127 14.4 10.0 15.0

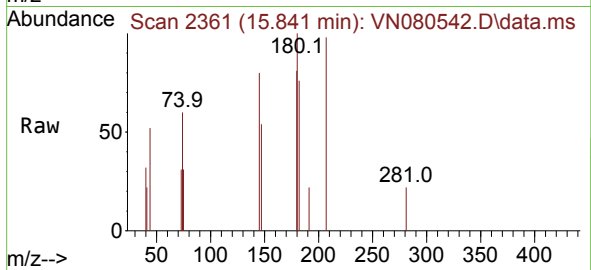
129 10.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.520 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080542.D
 Acq: 20 Dec 2023 13:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1768
Ion	Ratio	Lower	Upper
180	100		
182	85.8	46.2	138.6
145	40.7	17.5	52.6

