

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080548.D
 Acq On : 20 Dec 2023 15:43
 Operator : JC\MD
 Sample : 05872-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:43:28 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)

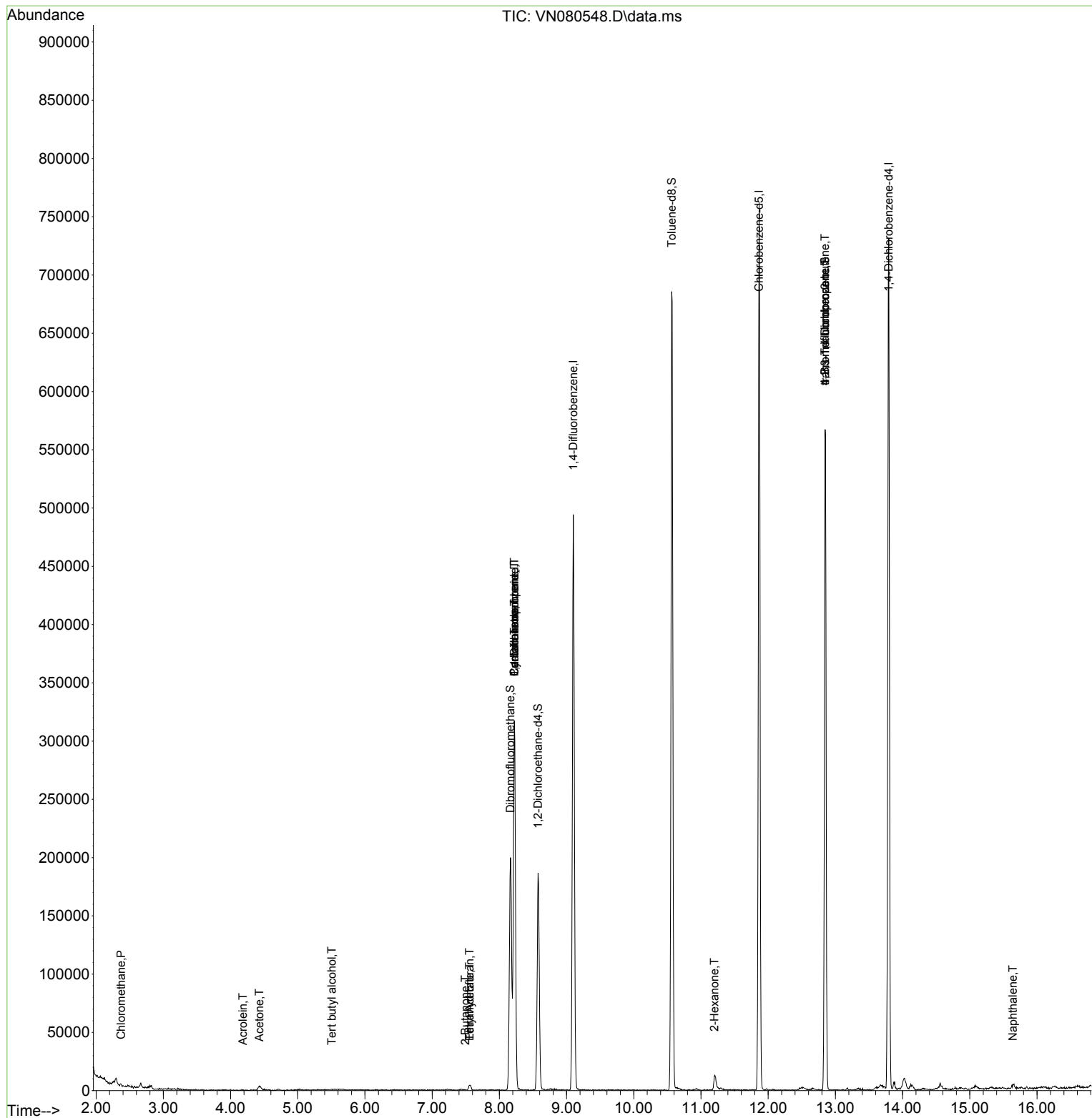
Internal Standards						
1) Pentafluorobenzene	8.224	168	225095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	419077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	429397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	161678	56.236	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.480%	
35) Dibromofluoromethane	8.165	113	143254	53.913	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.820%	
50) Toluene-d8	10.565	98	488017	49.247	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.847	95	208588	55.432	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.860%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	2948	0.581	ug/l	97
11) Tert butyl alcohol	5.506	59	71	0.210	ug/l #	72
13) Acrolein	4.183	56	127	0.342	ug/l #	69
16) Acetone	4.430	43	7222	14.167	ug/l	92
25) 2-Butanone	7.494	43	529	0.539	ug/l #	37
29) Tetrahydrofuran	7.559	42	180	0.256	ug/l #	20
31) Cyclohexane	8.224	56	4491	1.149	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	18439	4.244	ug/l #	49
37) Ethyl Acetate	7.559	43	6536	2.402	ug/l #	86
38) Carbon Tetrachloride	8.224	117	24358	4.692	ug/l #	17
59) 2-Hexanone	11.200	43	4820	2.423	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	109522	27.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	109522	71.480	ug/l #	15
95) Naphthalene	15.641	128	2435	0.217	ug/l #	82

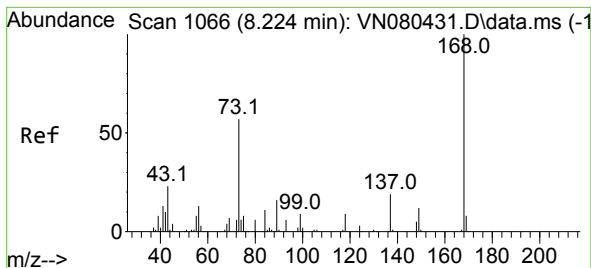
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN080548.D

Acq: 20 Dec 2023 15:43

Instrument :

MSVOA_N

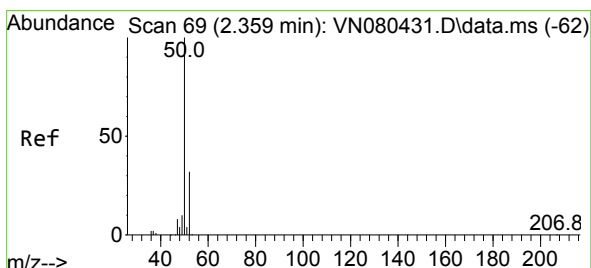
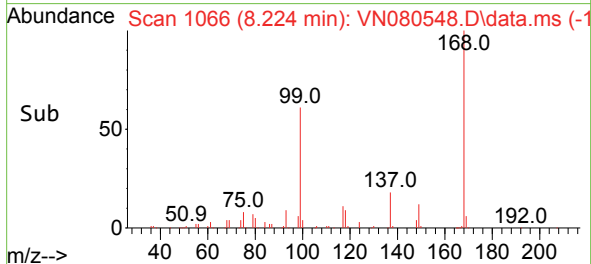
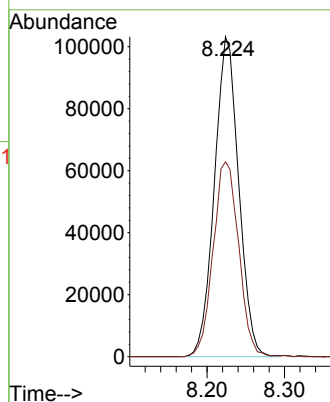
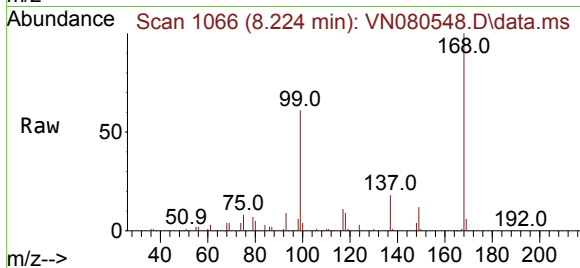
ClientSampleId :

Tgt Ion:168 Resp: 225095

Ion Ratio Lower Upper

168 100

99 60.9 53.0 79.6



#3

Chloromethane

Concen: 0.581 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080548.D

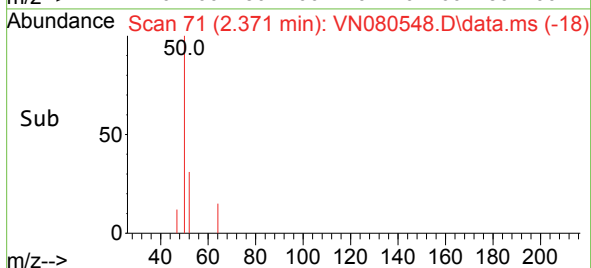
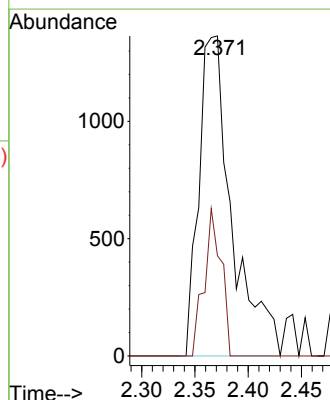
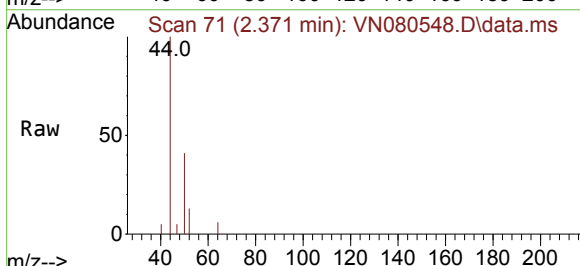
Acq: 20 Dec 2023 15:43

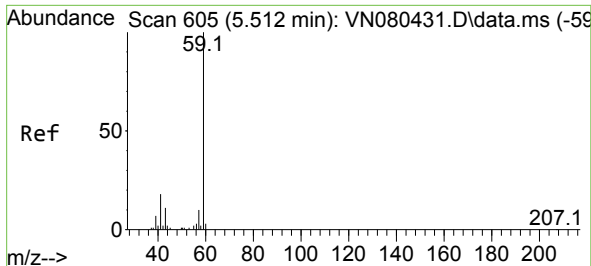
Tgt Ion: 50 Resp: 2948

Ion Ratio Lower Upper

50 100

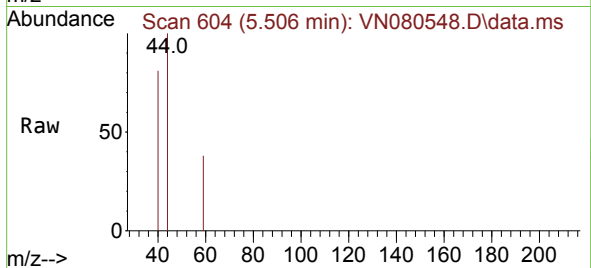
52 31.3 26.5 39.7



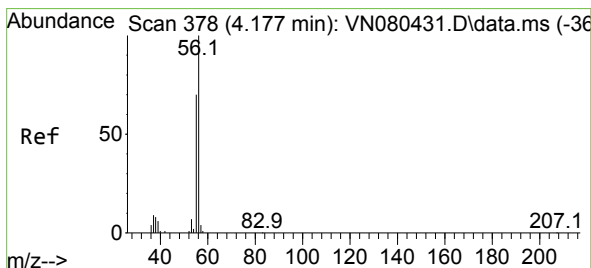
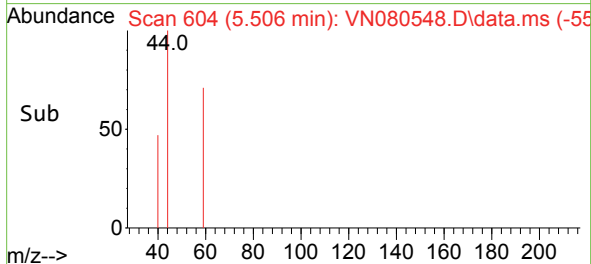
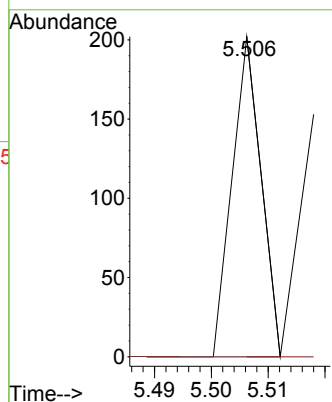


#11
Tert butyl alcohol
Concen: 0.210 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Instrument :
MSVOA_N
ClientSampleId :

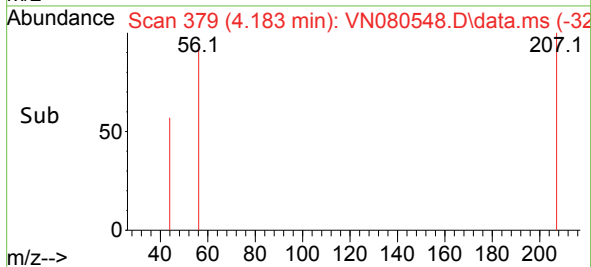
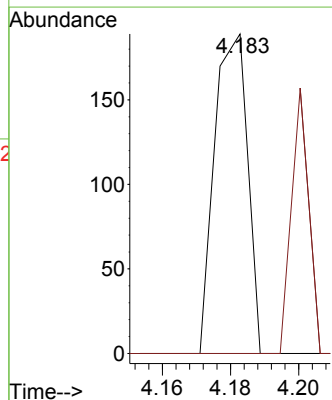
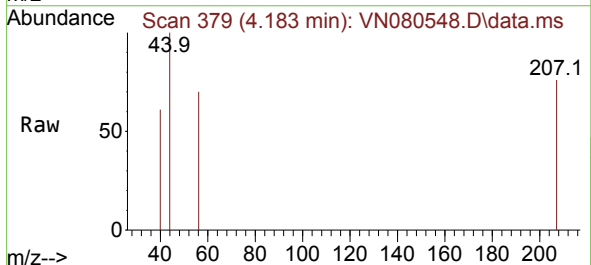


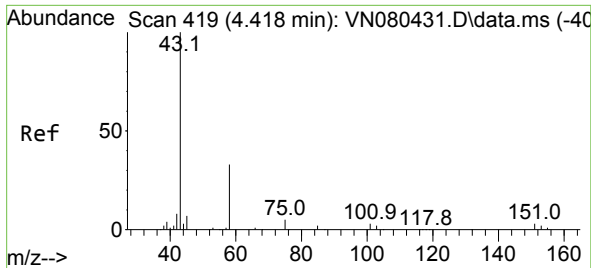
Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.342 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 43.3 54.5 81.7#

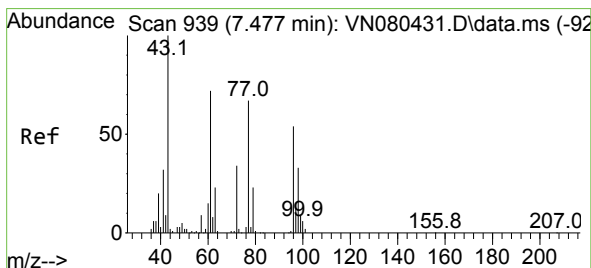
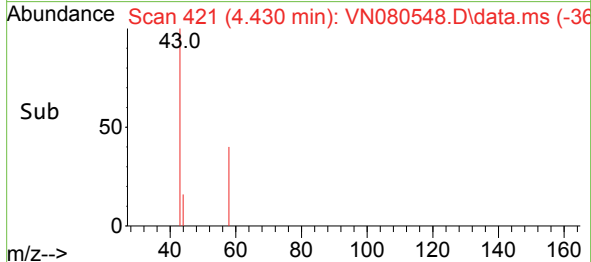
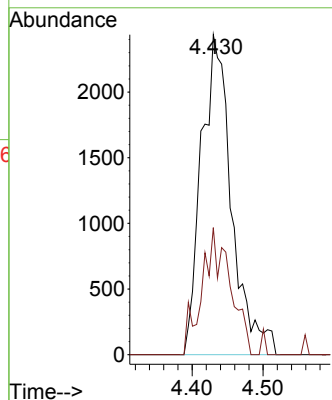
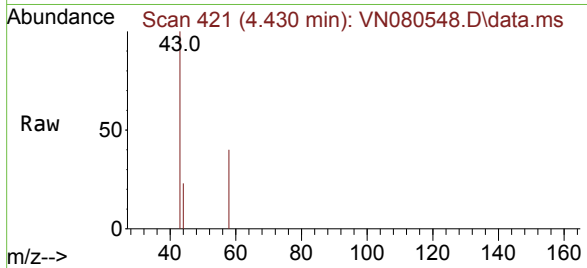




#16
Acetone
Concen: 14.167 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

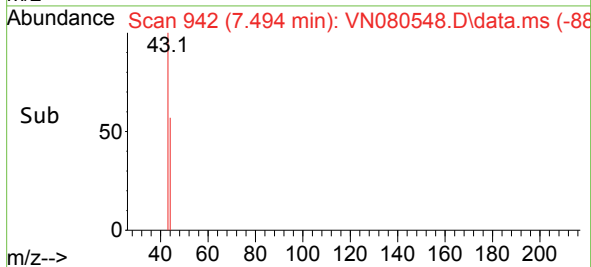
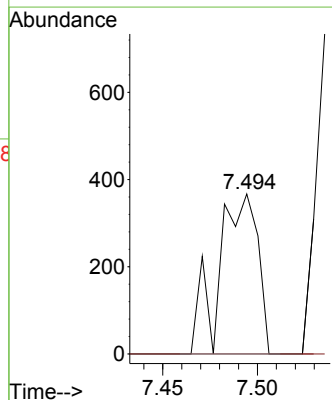
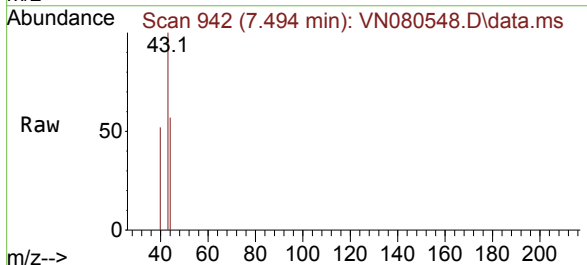
Instrument :
MSVOA_N
ClientSampleId :

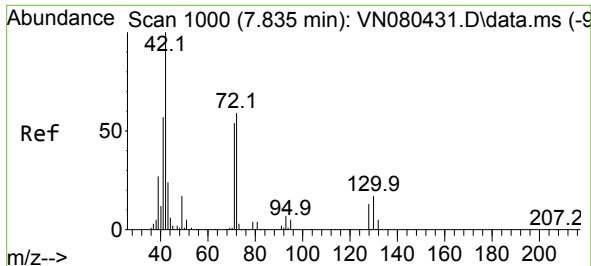
Tgt Ion: 43 Resp: 7222
Ion Ratio Lower Upper
43 100
58 39.7 28.0 42.0



#25
2-Butanone
Concen: 0.539 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.256 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.276 min

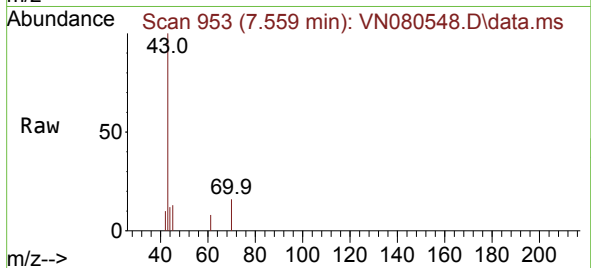
Lab File: VN080548.D

Acq: 20 Dec 2023 15:43

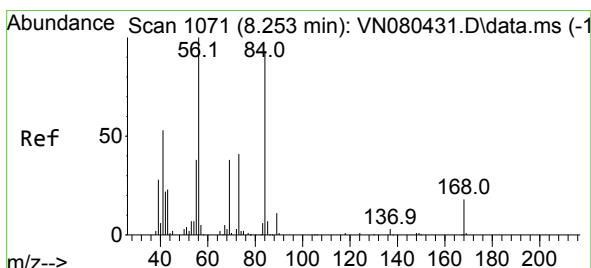
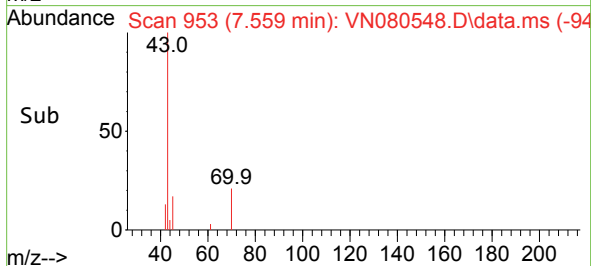
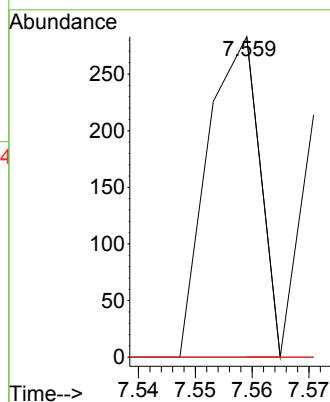
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 180
Ion Ratio	Lower Upper
42 100	
72 0.0	49.8 74.6#
71 0.0	47.4 71.2#



#31

Cyclohexane

Concen: 1.149 ug/l

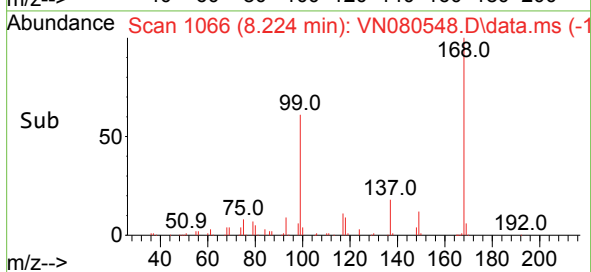
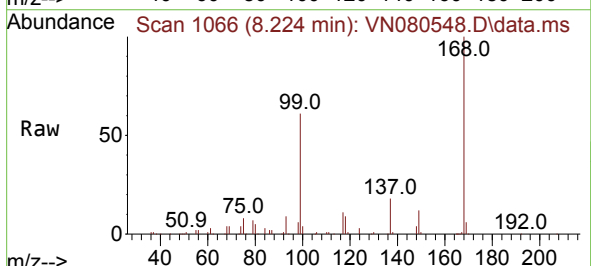
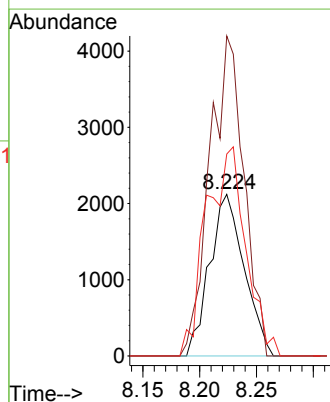
RT: 8.224 min Scan# 1066

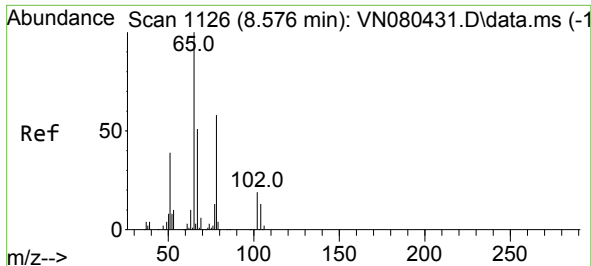
Delta R.T. -0.029 min

Lab File: VN080548.D

Acq: 20 Dec 2023 15:43

Tgt Ion: 56	Resp: 4491		
Ion Ratio	Lower	Upper	
56	100		
69	198.0	26.8	40.2#
84	124.9	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.236 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080548.D

Acq: 20 Dec 2023 15:43

Instrument :

MSVOA_N

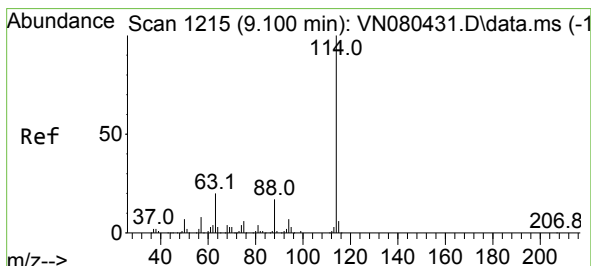
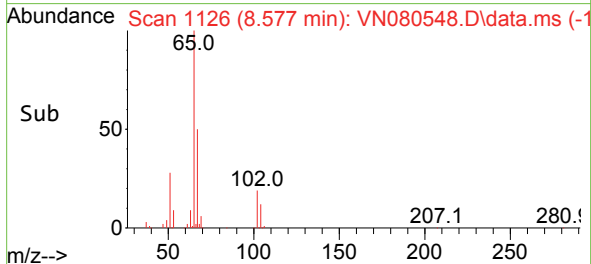
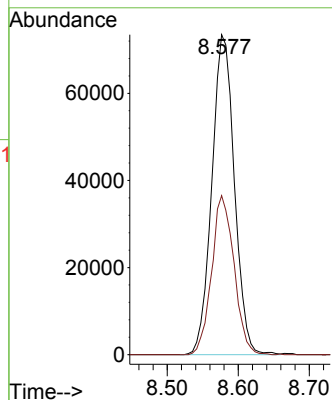
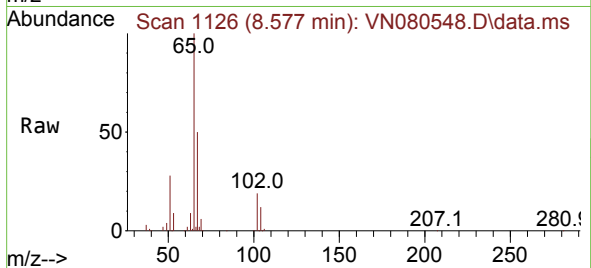
ClientSampleId :

Tgt Ion: 65 Resp: 161678

Ion Ratio Lower Upper

65 100

67 49.3 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: VN080548.D

Acq: 20 Dec 2023 15:43

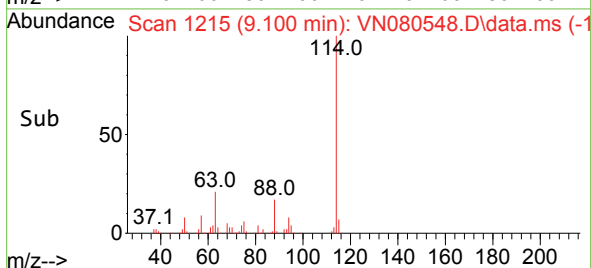
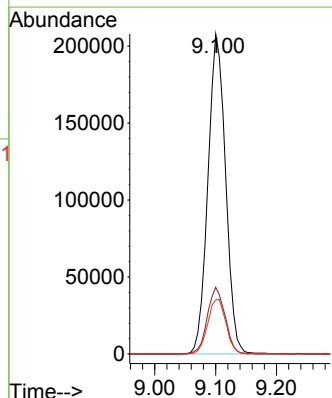
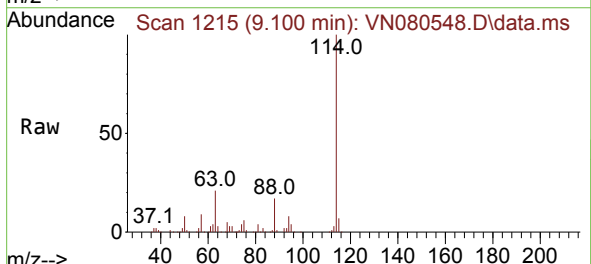
Tgt Ion: 114 Resp: 419077

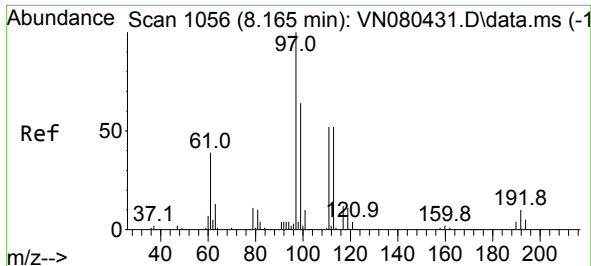
Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

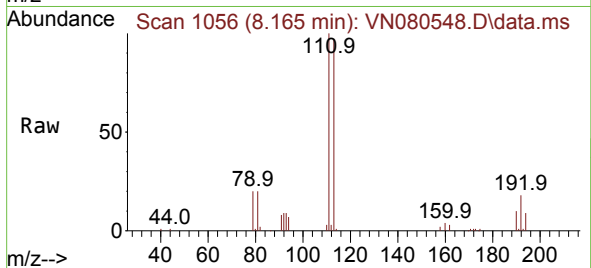
88 16.8 0.0 30.6



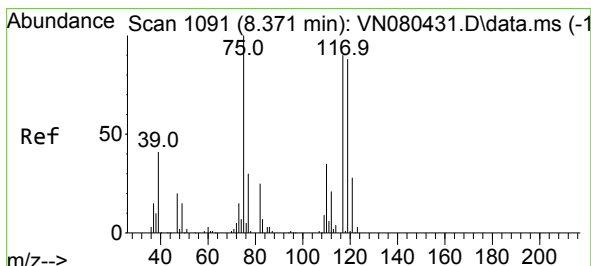
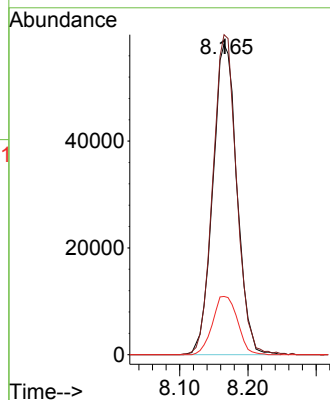
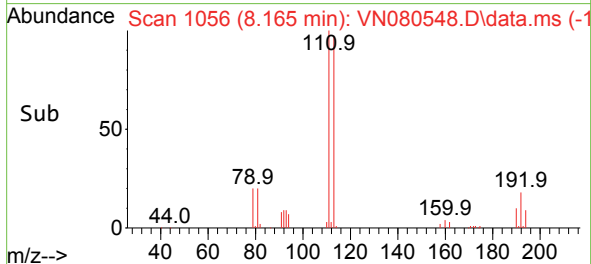


#35
Dibromofluoromethane
Concen: 53.913 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Instrument :
MSVOA_N
ClientSampleId :

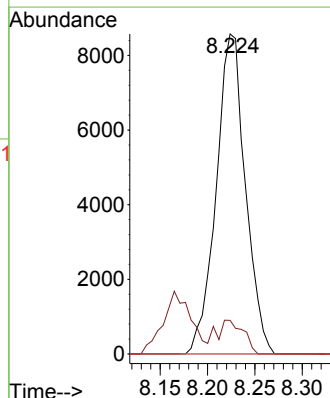
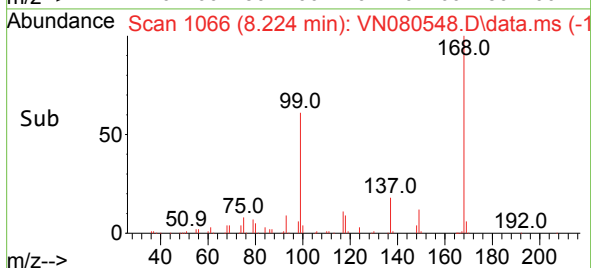
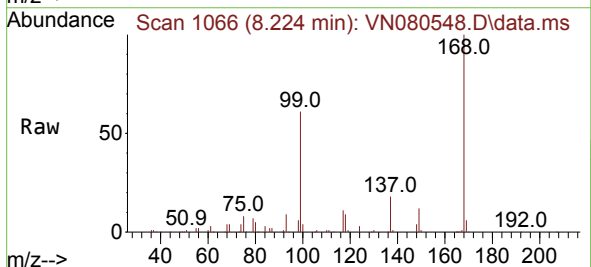


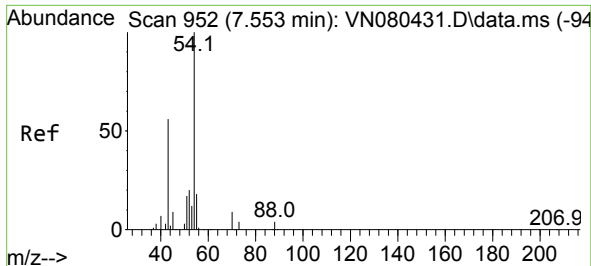
Tgt Ion:113 Resp: 143254
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 19.4 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Tgt Ion: 75 Resp: 18439
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.402 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

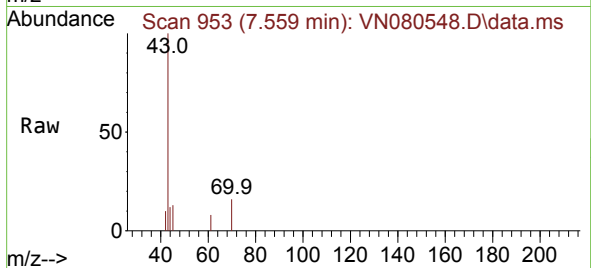
Lab File: VN080548.D

Acq: 20 Dec 2023 15:43

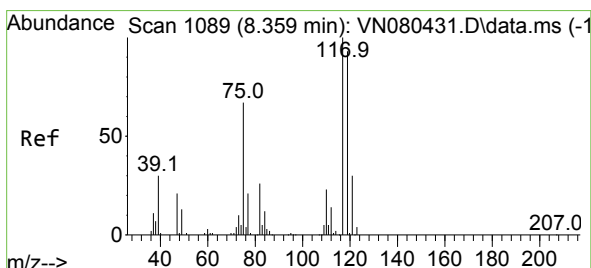
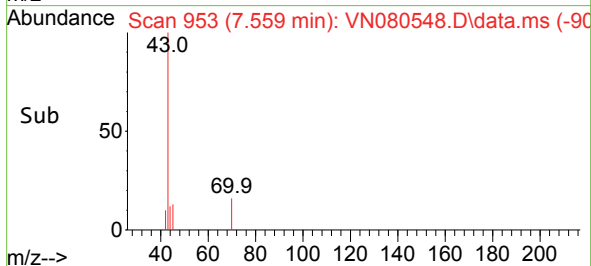
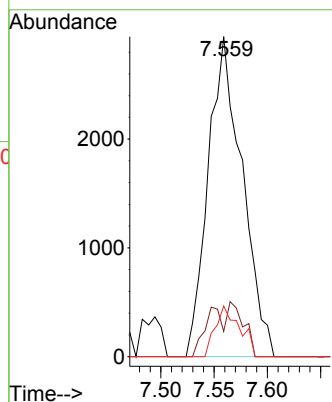
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	6536
Ion	Ratio	Lower	Upper
43	100		
61	8.3	13.2	19.8#
70	11.3	11.3	16.9



#38

Carbon Tetrachloride

Concen: 4.692 ug/l

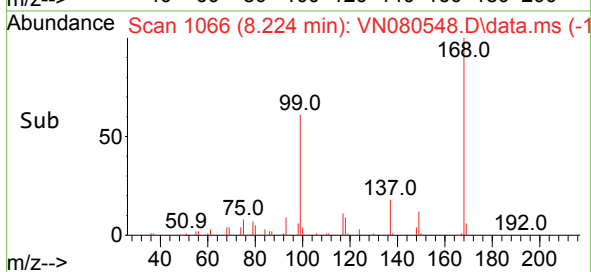
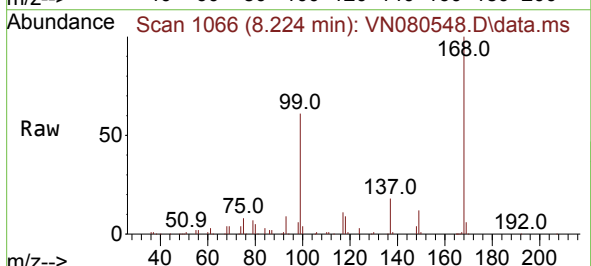
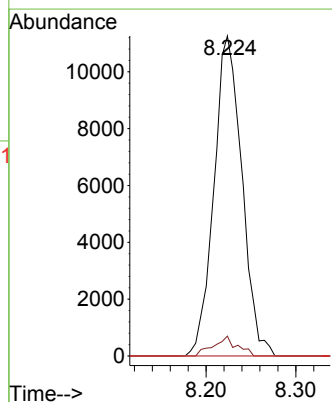
RT: 8.224 min Scan# 1066

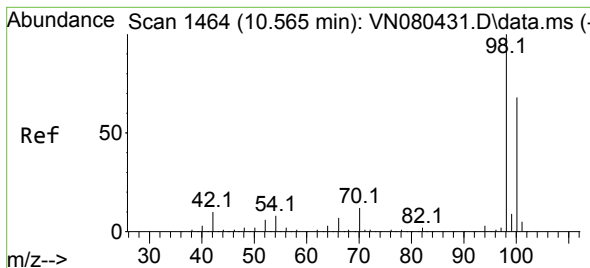
Delta R.T. -0.135 min

Lab File: VN080548.D

Acq: 20 Dec 2023 15:43

Tgt Ion:	117	Resp:	24358
Ion	Ratio	Lower	Upper
117	100		
119	6.2	77.3	115.9#
121	0.0	23.3	34.9#

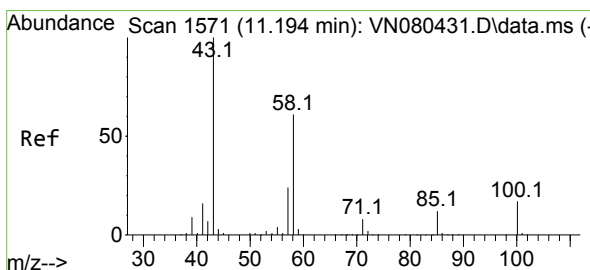
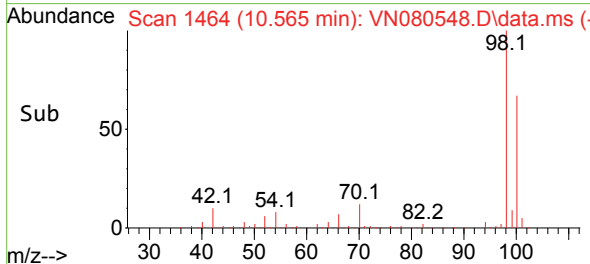
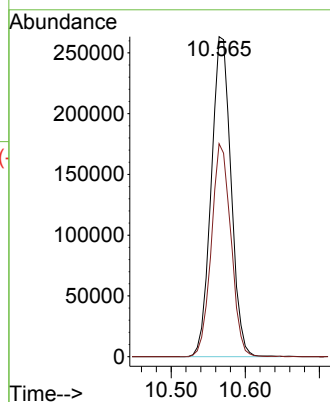
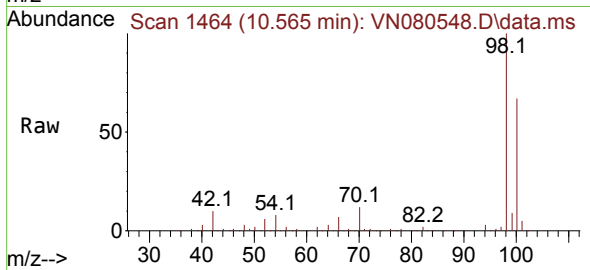




#50
Toluene-d8
Concen: 49.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

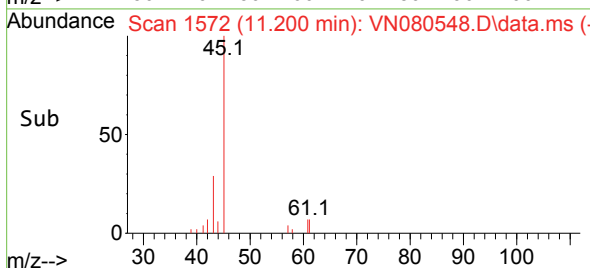
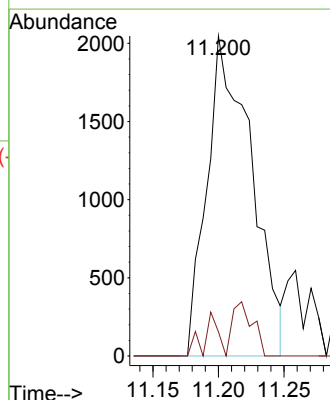
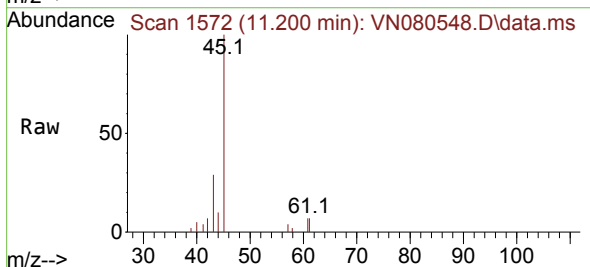
Instrument :
MSVOA_N
ClientSampleId :

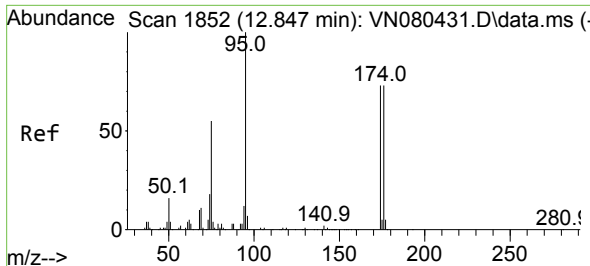
Tgt Ion: 98 Resp: 488017
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#59
2-Hexanone
Concen: 2.423 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Tgt Ion: 43 Resp: 4820
Ion Ratio Lower Upper
43 100
58 4.3 31.7 95.1#

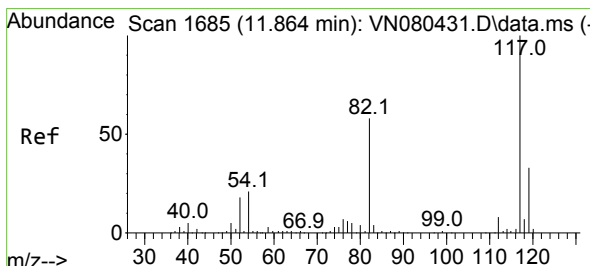
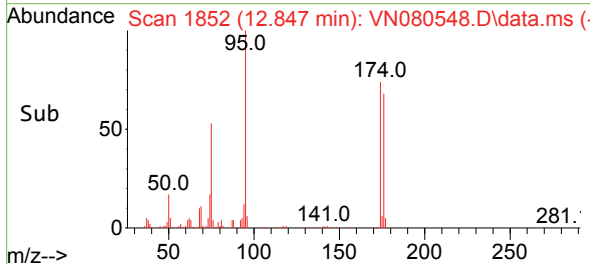
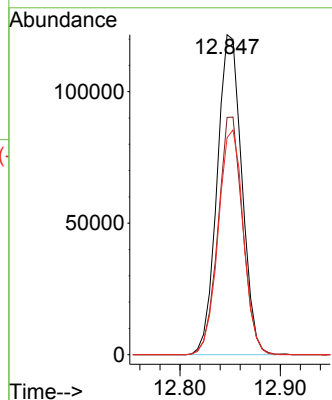
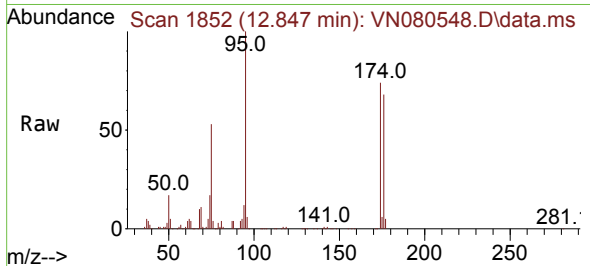




#62
4-Bromofluorobenzene
Concen: 55.432 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

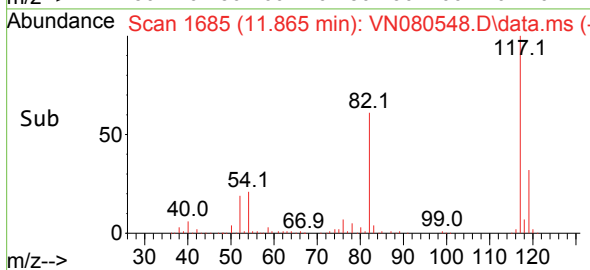
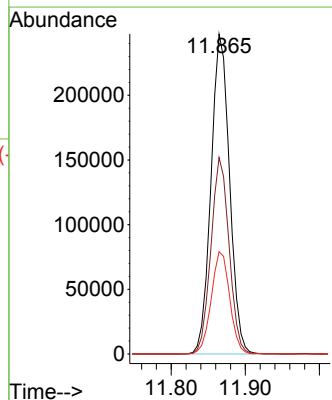
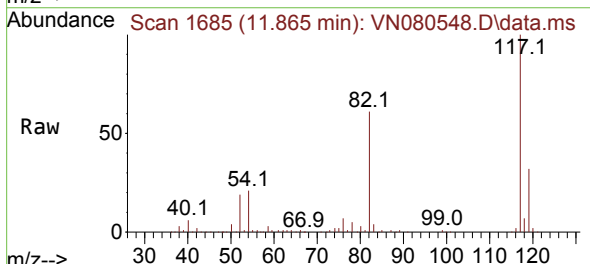
Instrument :
MSVOA_N
ClientSampleId :

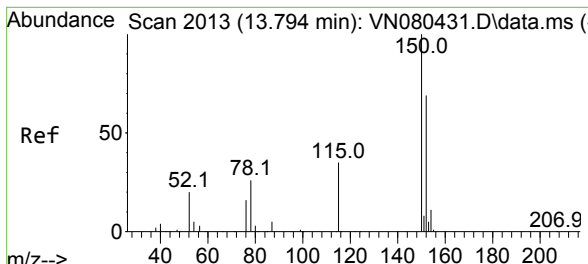
Tgt Ion: 95 Resp: 208588
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 71.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080548.D
Acq: 20 Dec 2023 15:43

Tgt Ion: 117 Resp: 429397
Ion Ratio Lower Upper
117 100
82 61.4 44.0 66.0
119 32.0 25.6 38.4

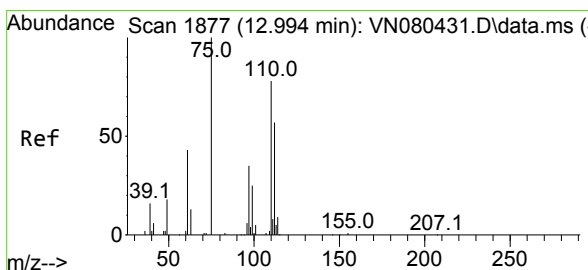
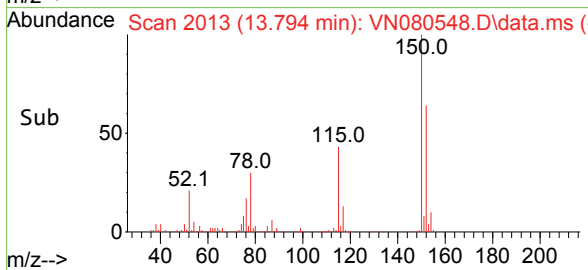
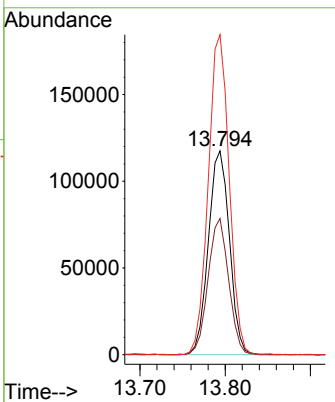
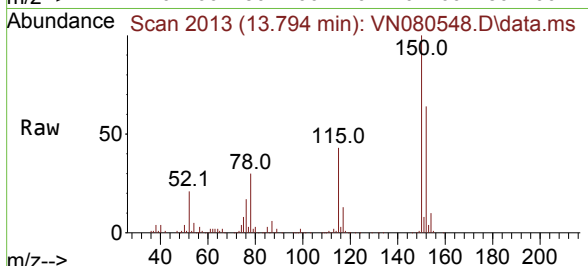




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN080548.D
 Acq: 20 Dec 2023 15:43

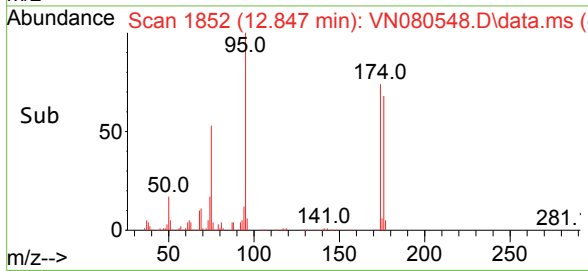
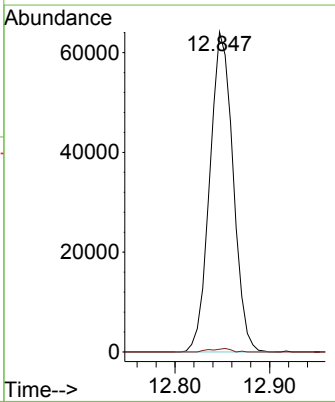
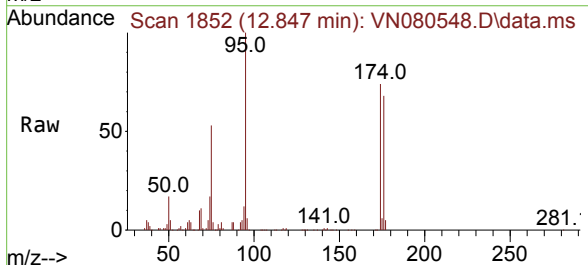
Instrument :
 MSVOA_N
 ClientSampleId :

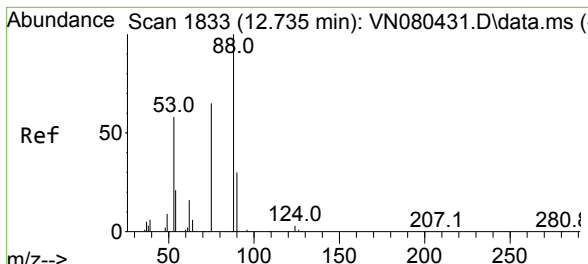
Tgt Ion:	152	Resp:	201656
Ion Ratio	Lower	Upper	
152	100		
115	65.4	32.3	96.8
150	155.9	0.0	355.8



#76
 1,2,3-Trichloropropane
 Concen: 27.224 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080548.D
 Acq: 20 Dec 2023 15:43

Tgt Ion:	75	Resp:	109522
Ion Ratio	Lower	Upper	
75	100		
77	1.0	84.5	253.5#

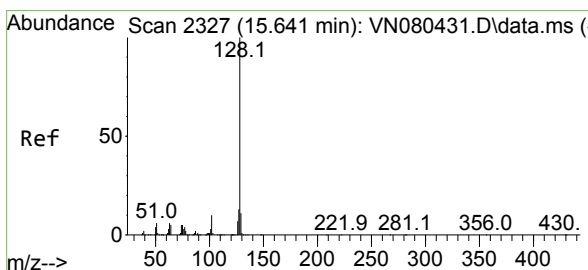
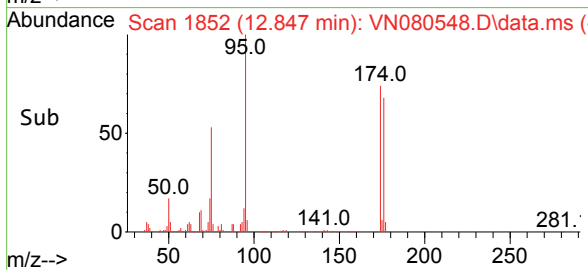
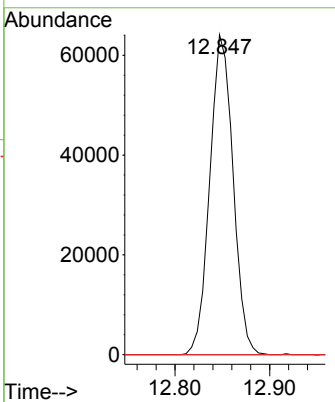
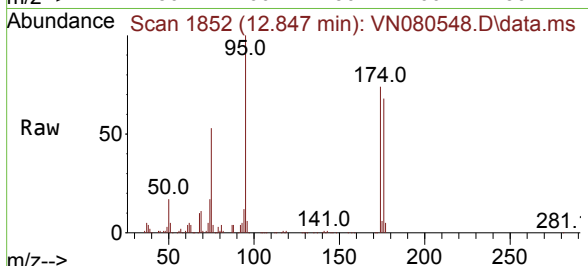




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.480 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN080548.D
 Acq: 20 Dec 2023 15:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:	75	Resp:	109522
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#



#95
 Naphthalene
 Concen: 0.217 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN080548.D
 Acq: 20 Dec 2023 15:43

Tgt Ion:	128	Resp:	2435
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.0	15.0#
129	10.1	8.7	13.1

