

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121223\
 Data File : VN080443.D
 Acq On : 12 Dec 2023 17:27
 Operator : JC\MD
 Sample : 05672-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 02:34:55 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)

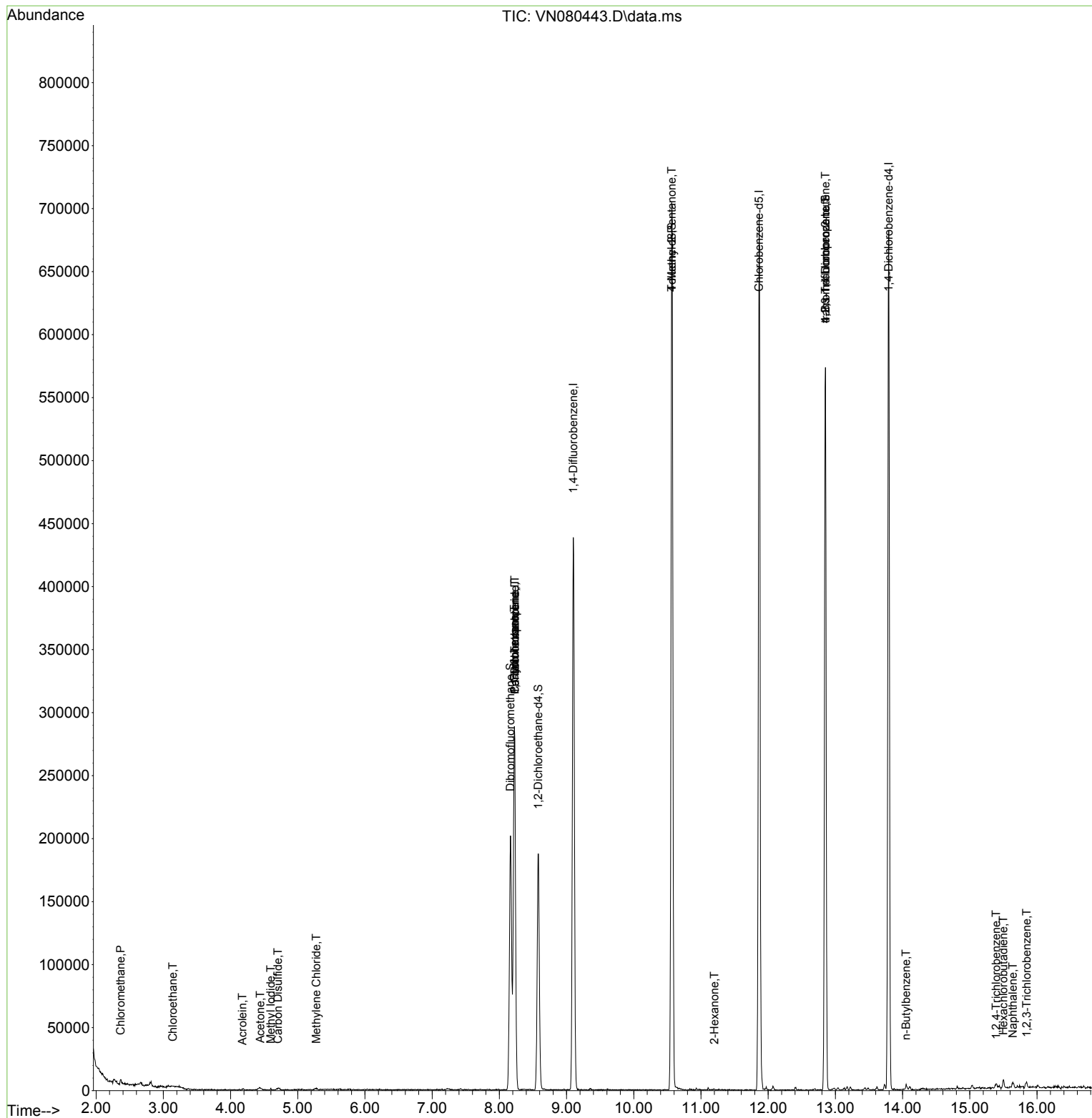
Internal Standards						
1) Pentafluorobenzene	8.229	168	210280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	385046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	186919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	165292	61.544	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.080%			
35) Dibromofluoromethane	8.165	113	138725	56.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.640%			
50) Toluene-d8	10.565	98	510156	56.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.060%			
62) 4-Bromofluorobenzene	12.853	95	209515	60.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.200%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	4682	1.275	ug/l #	78
6) Chloroethane	3.142	64	481	0.326	ug/l #	43
10) Methyl Iodide	4.600	142	497	0.256	ug/l #	83
13) Acrolein	4.177	56	339	0.979	ug/l #	41
16) Acetone	4.441	43	3538	7.429	ug/l #	87
17) Carbon Disulfide	4.706	76	2917	0.455	ug/l #	75
20) Methylene Chloride	5.277	84	845	0.332	ug/l #	44
31) Cyclohexane	8.224	56	3971	1.087	ug/l #	22
36) 1,1-Dichloropropene	8.229	75	16777	4.203	ug/l #	48
38) Carbon Tetrachloride	8.229	117	23469	4.920	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1691	0.683	ug/l #	1
59) 2-Hexanone	11.200	43	451	0.247	ug/l #	35
76) 1,2,3-Trichloropropane	12.853	75	111745	29.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111745	78.680	ug/l #	15
89) n-Butylbenzene	14.053	91	2443	0.239	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1600	0.466	ug/l	95
94) Hexachlorobutadiene	15.500	225	1452	0.743	ug/l	87
95) Naphthalene	15.641	128	4269	0.410	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.847	180	1994	0.602	ug/l	82

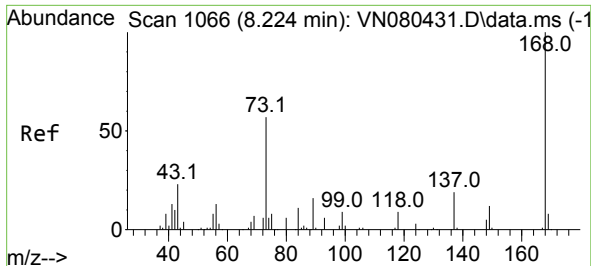
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration

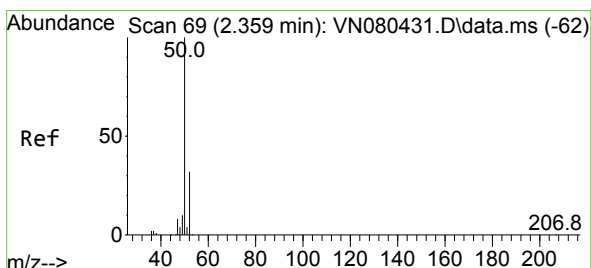
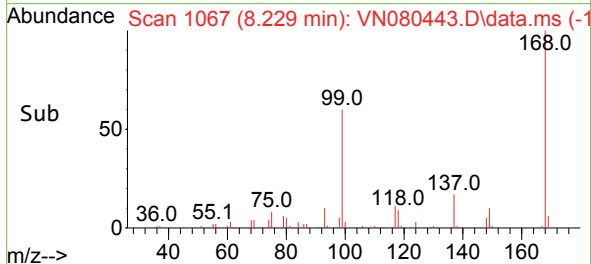
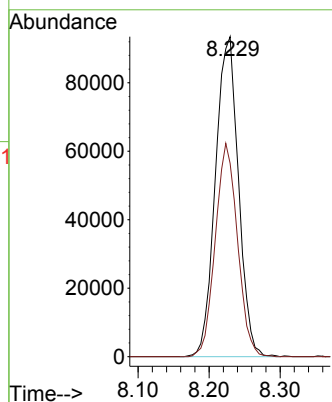
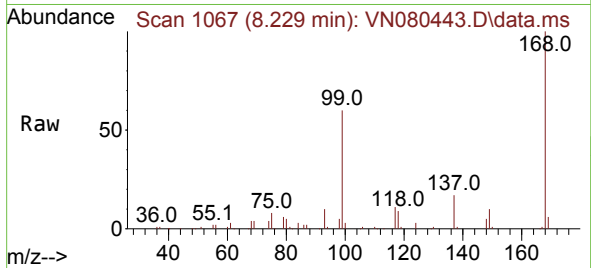




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

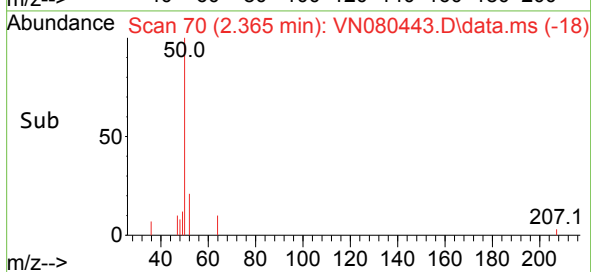
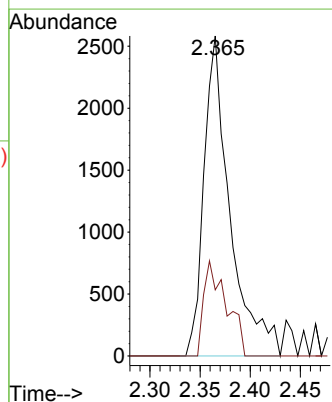
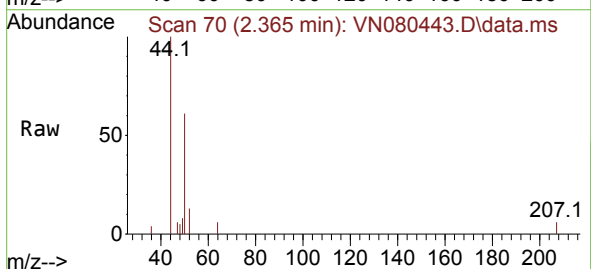
Instrument :
MSVOA_N
ClientSampleId :

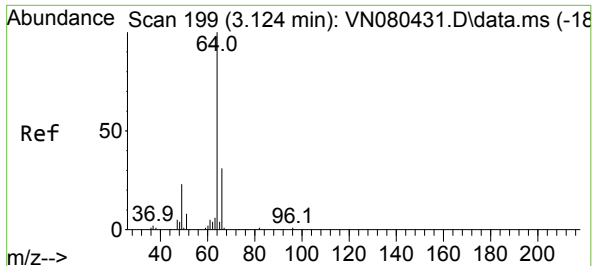
Tgt Ion:168 Resp: 210280
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: 1.275 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 50 Resp: 4682
Ion Ratio Lower Upper
50 100
52 20.7 26.5 39.7#

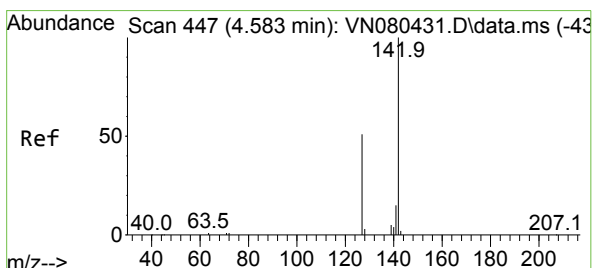
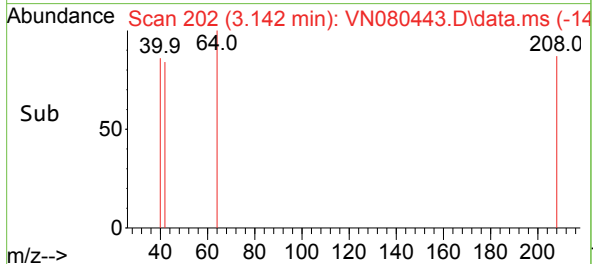
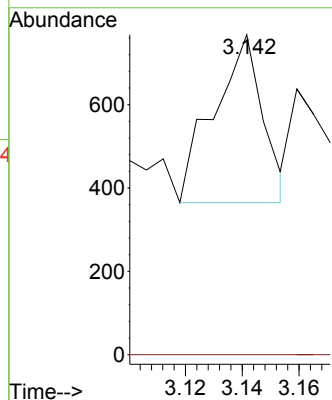
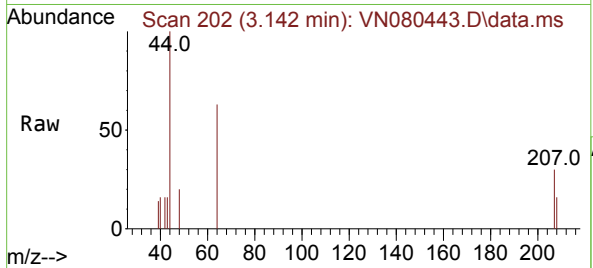




#6
Chloroethane
Concen: 0.326 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

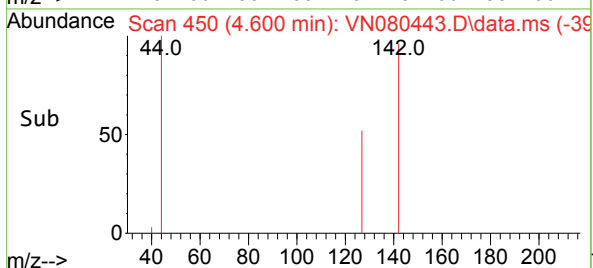
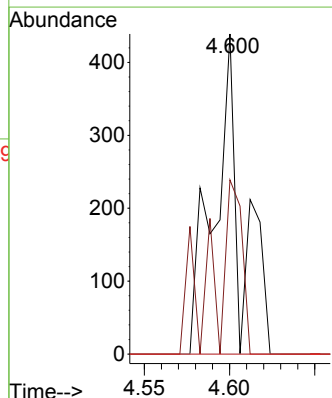
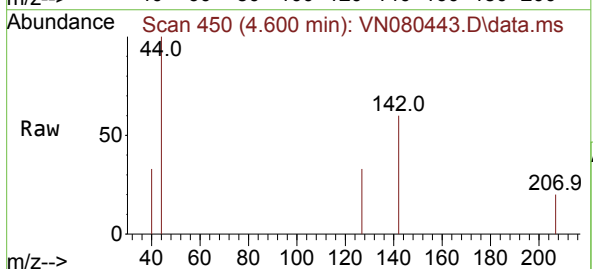
Instrument :
MSVOA_N
ClientSampleId :

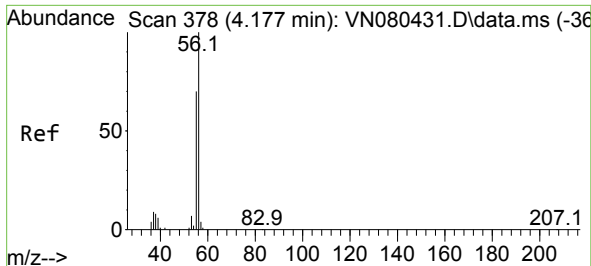
Tgt Ion: 64 Resp: 481
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.018 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 142 Resp: 497
Ion Ratio Lower Upper
142 100
127 54.4 37.6 56.4
141 0.0 11.4 17.0#

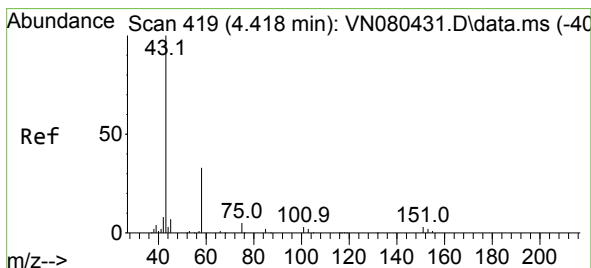
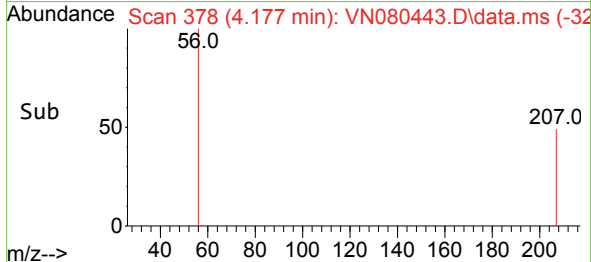
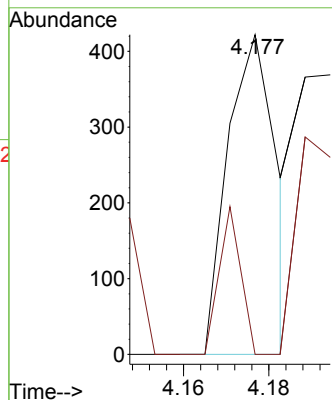
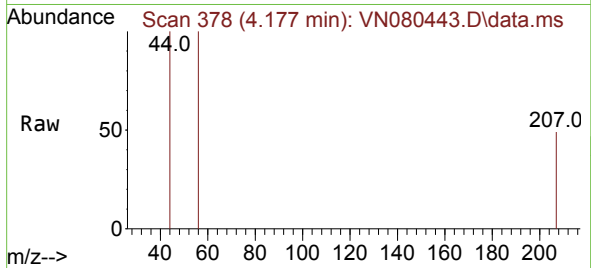




#13
Acrolein
Concen: 0.979 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

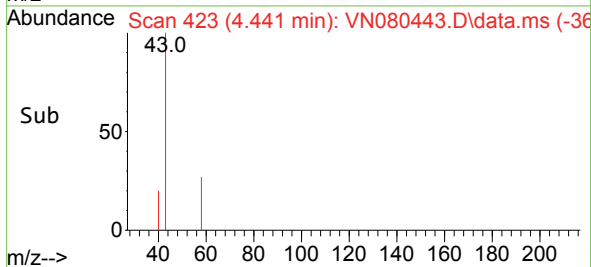
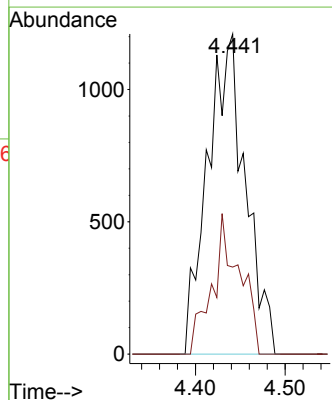
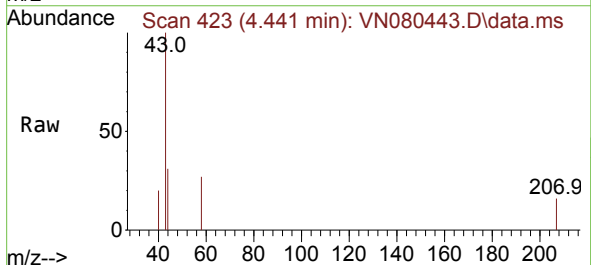
Instrument :
MSVOA_N
ClientSampleId :

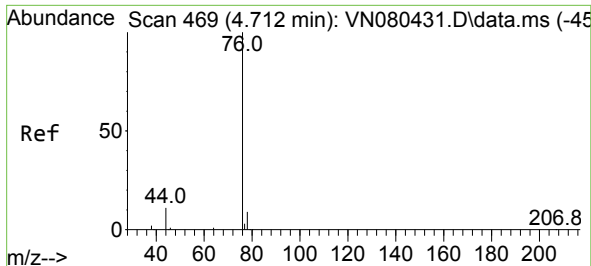
Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 20.4 54.5 81.7#



#16
Acetone
Concen: 7.429 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.023 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 43 Resp: 3538
Ion Ratio Lower Upper
43 100
58 27.2 28.0 42.0#

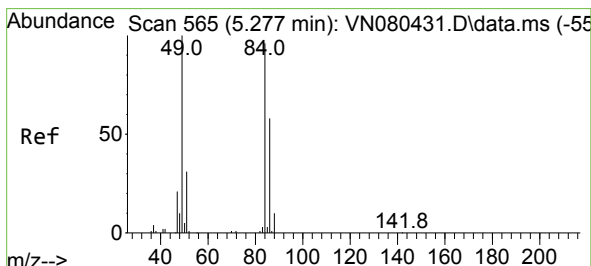
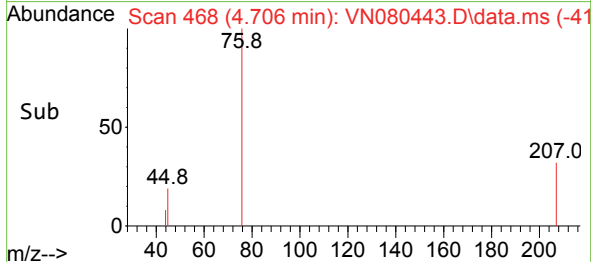
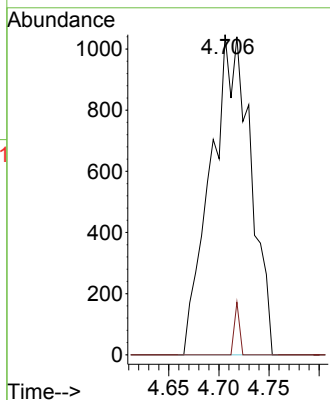
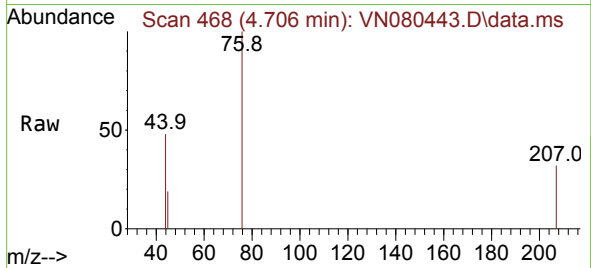




#17
Carbon Disulfide
Concen: 0.455 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

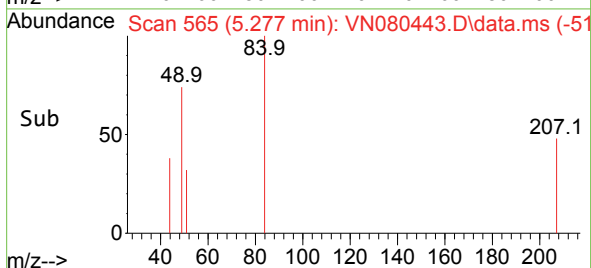
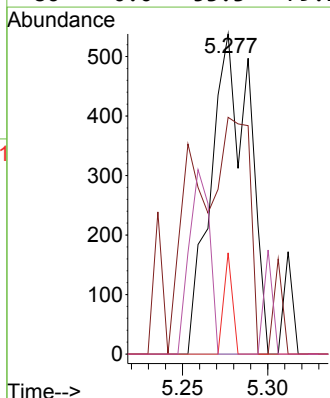
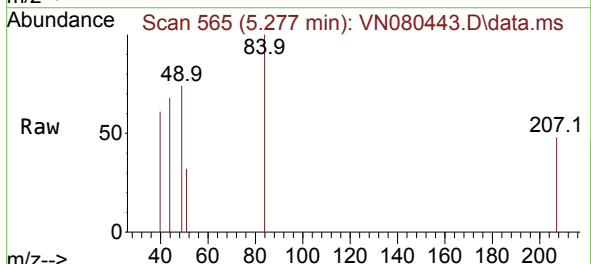
Instrument :
MSVOA_N
ClientSampleId :

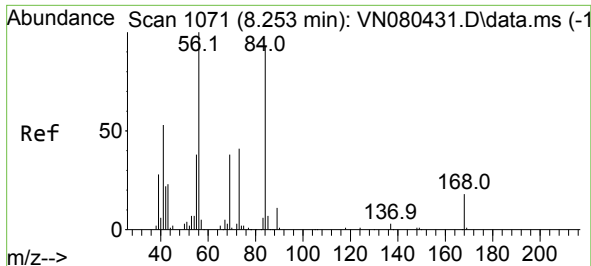
Tgt Ion: 76 Resp: 2917
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

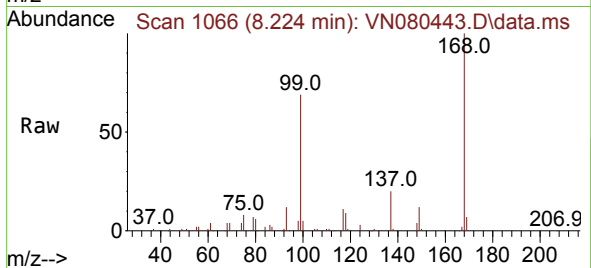
Tgt Ion: 84 Resp: 845
Ion Ratio Lower Upper
84 100
49 44.2 79.7 119.5#
51 31.6 25.2 37.8
86 0.0 53.3 79.9#



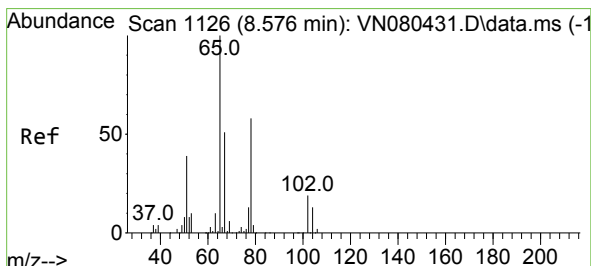
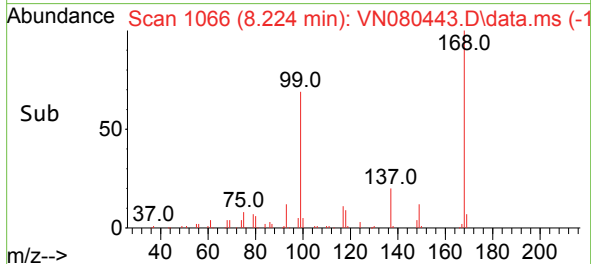
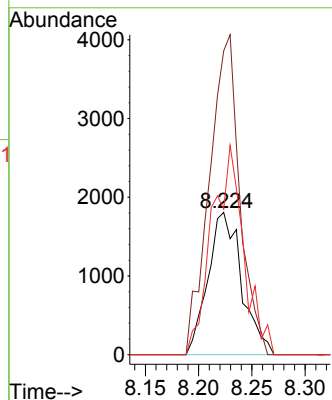


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Instrument :
MSVOA_N
ClientSampleId :

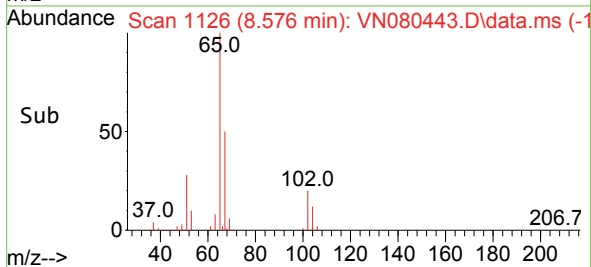
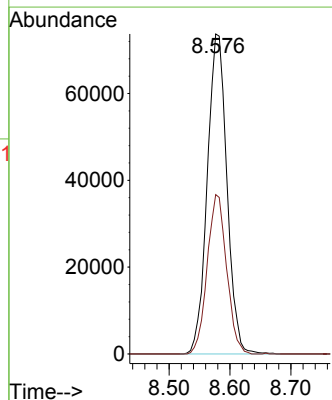
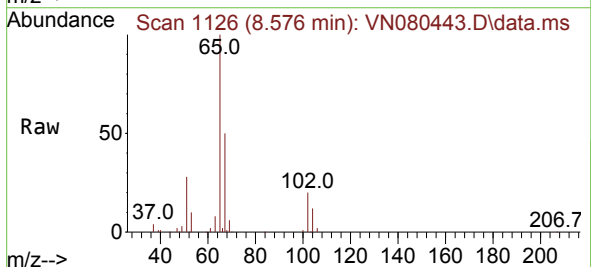


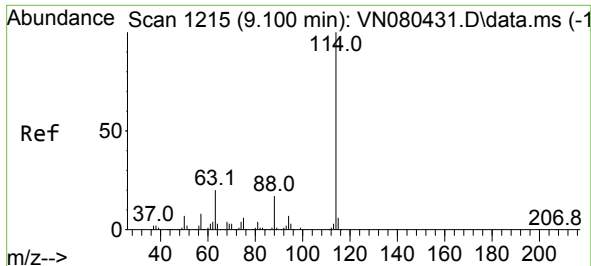
Tgt Ion: 56 Resp: 3971
Ion Ratio Lower Upper
56 100
69 213.6 26.8 40.2#
84 102.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 61.544 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 65 Resp: 165292
Ion Ratio Lower Upper
65 100
67 49.2 0.0 106.6

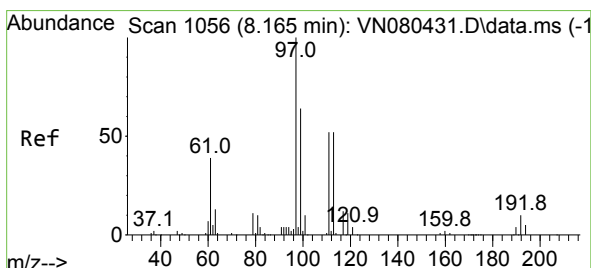
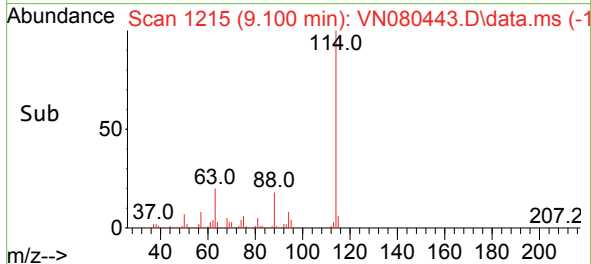
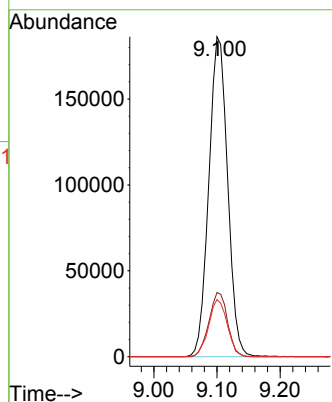
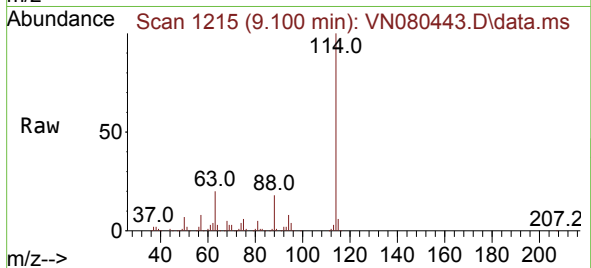




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

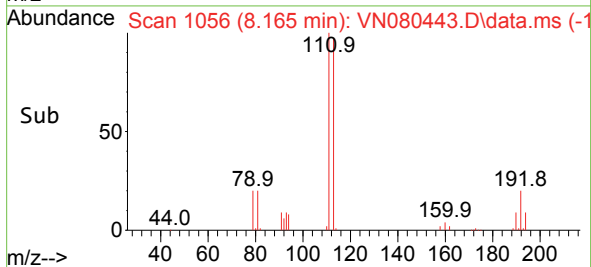
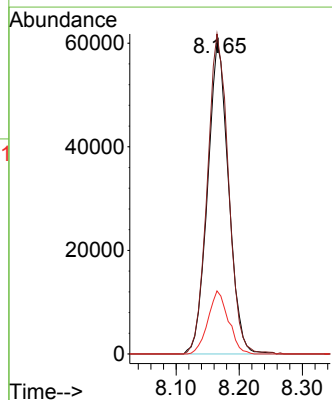
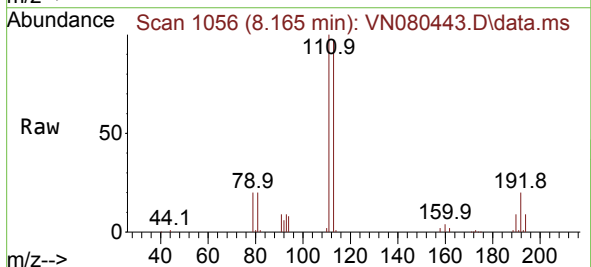
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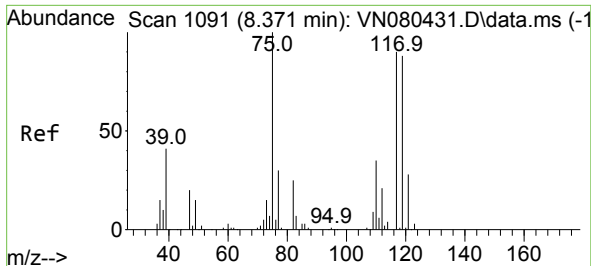
Tgt Ion:114 Resp: 385046
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.4
88 17.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.823 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion:113 Resp: 138725
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 19.7 12.7 19.1#





#36

1,1-Dichloropropene

Concen: 4.203 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN080443.D

Acq: 12 Dec 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

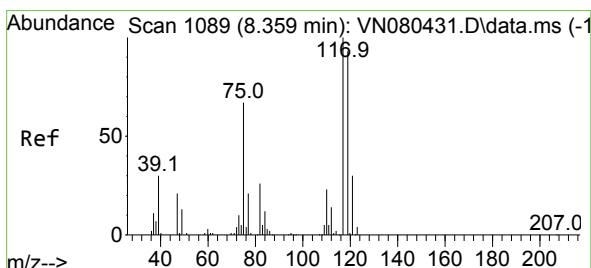
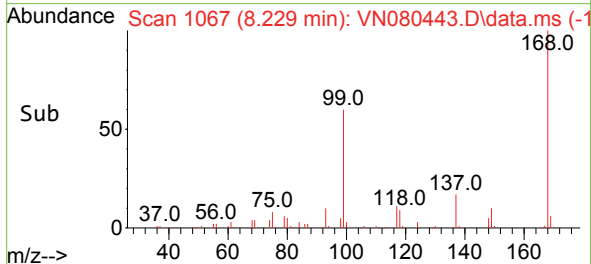
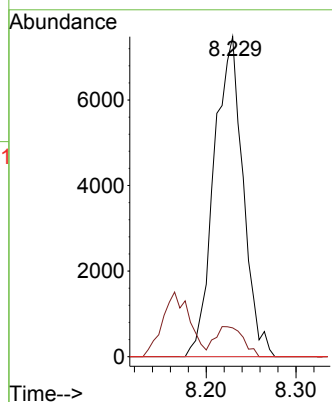
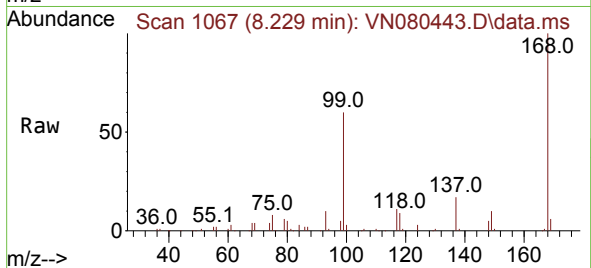
Tgt Ion: 75 Resp: 16777

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.920 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN080443.D

Acq: 12 Dec 2023 17:27

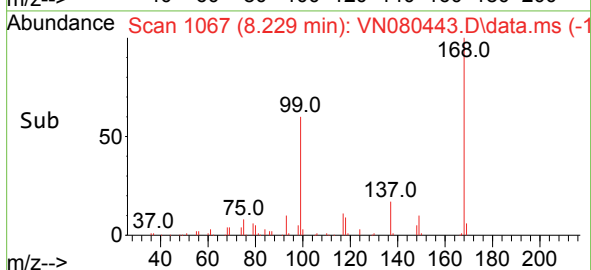
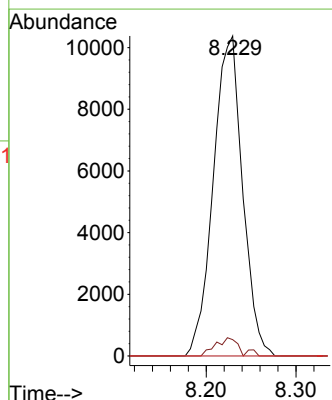
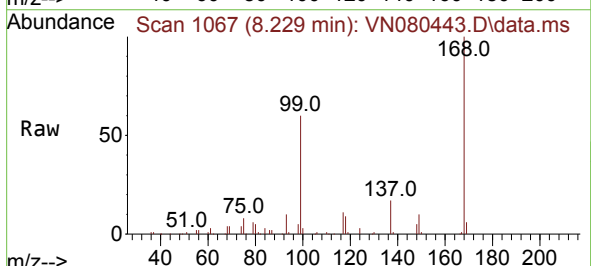
Tgt Ion: 117 Resp: 23469

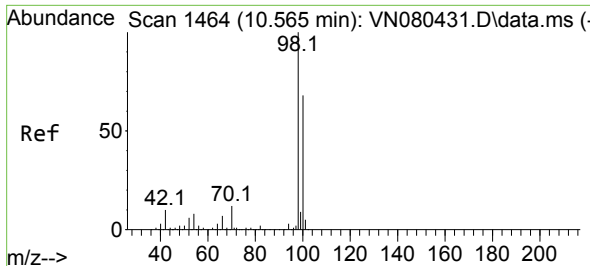
Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#

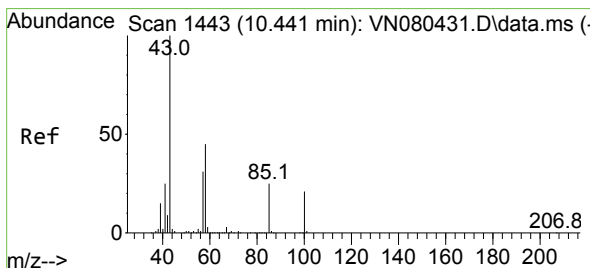
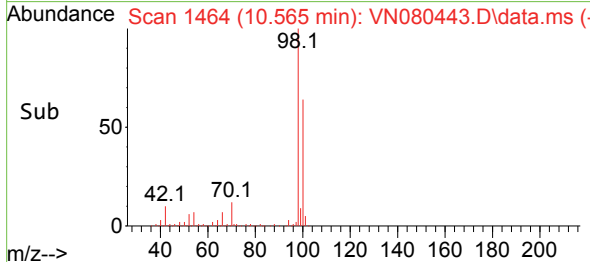
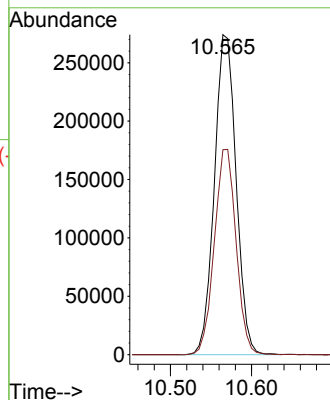
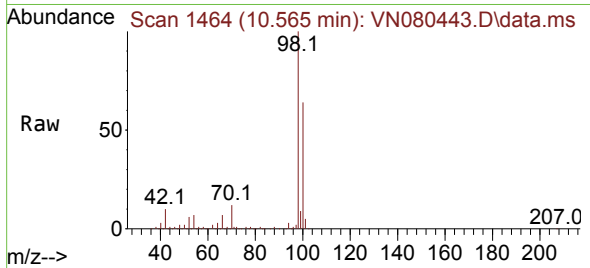




#50
Toluene-d8
Concen: 56.031 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

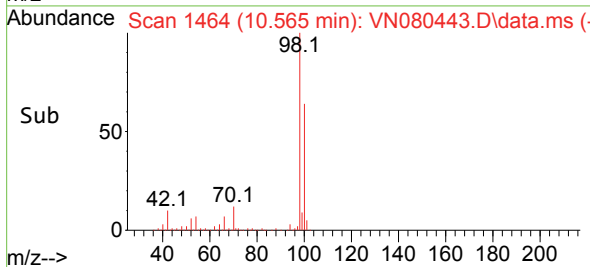
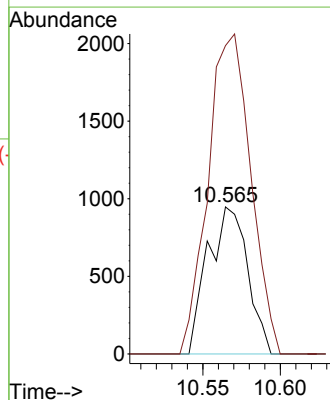
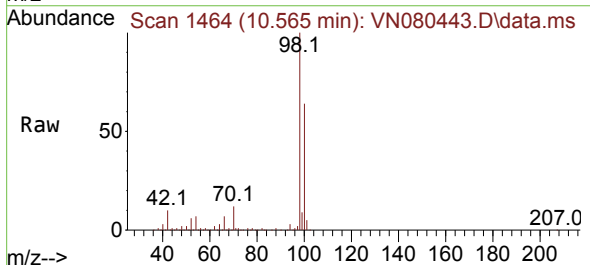
Instrument :
MSVOA_N
ClientSampleId :

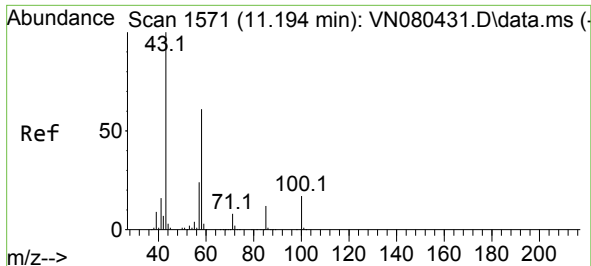
Tgt Ion: 98 Resp: 510156
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.683 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 233.5 36.6 54.8#

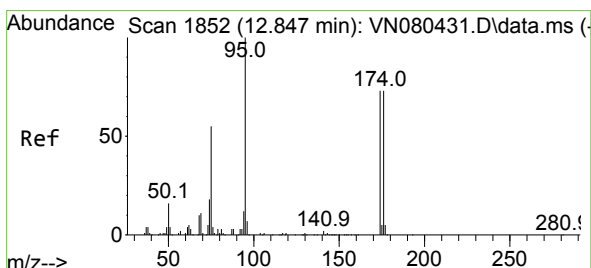
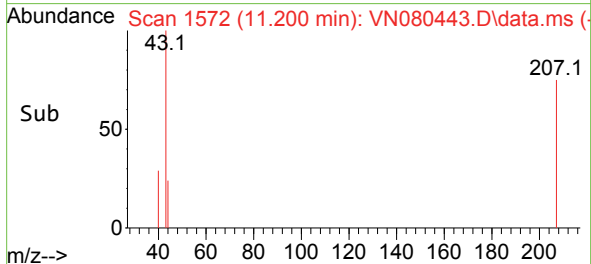
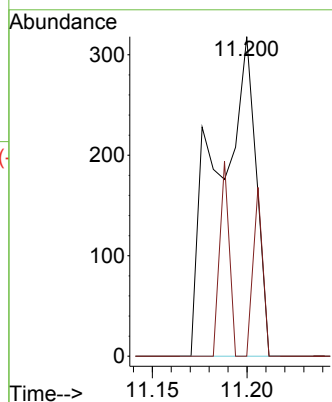
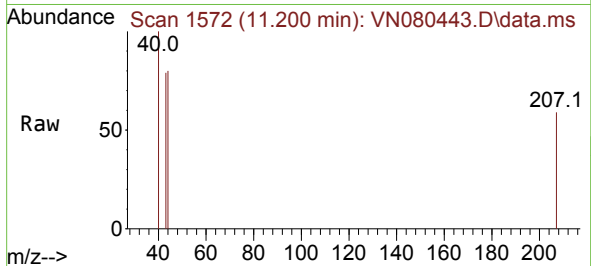




#59
2-Hexanone
Concen: 0.247 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

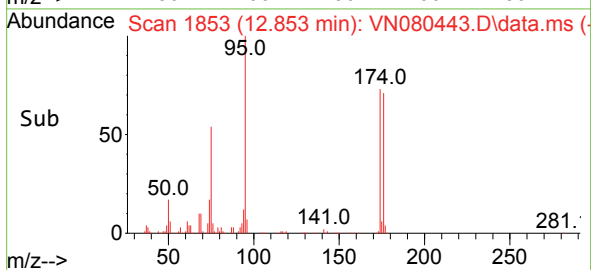
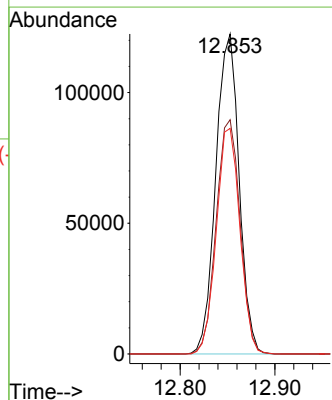
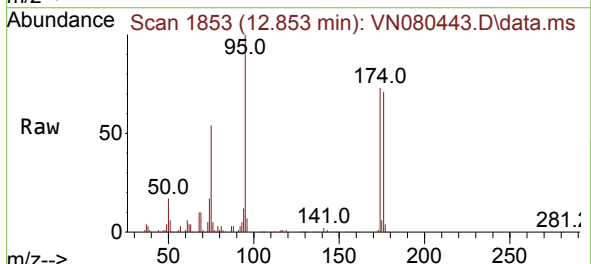
Instrument :
MSVOA_N
ClientSampleId :

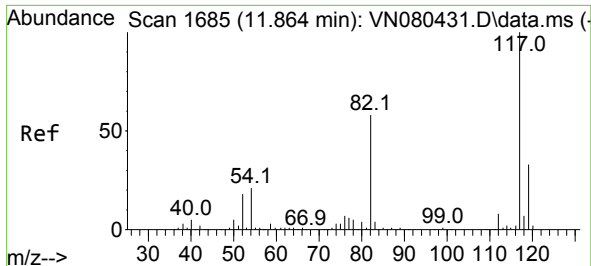
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 13.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 60.599 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion: 95 Resp: 209515
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.3 0.0 135.8

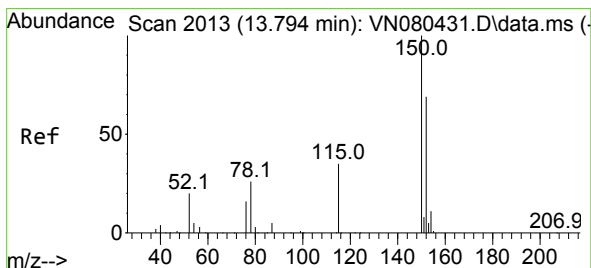
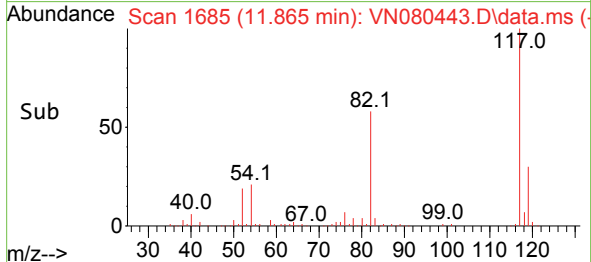
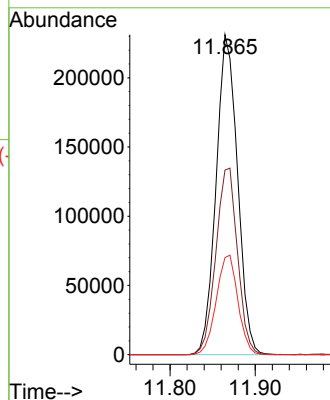
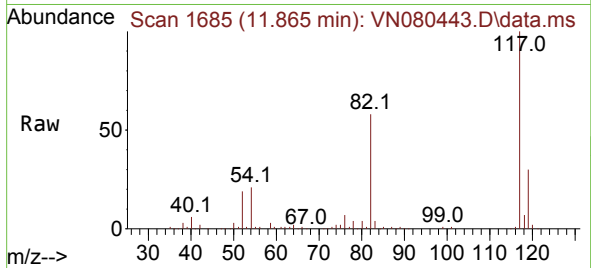




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

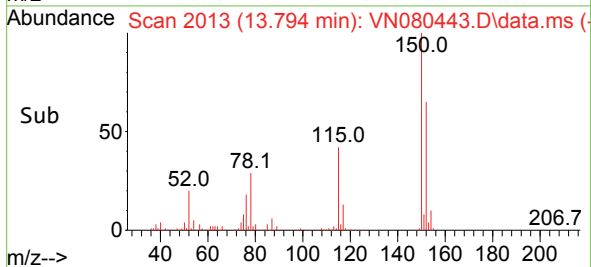
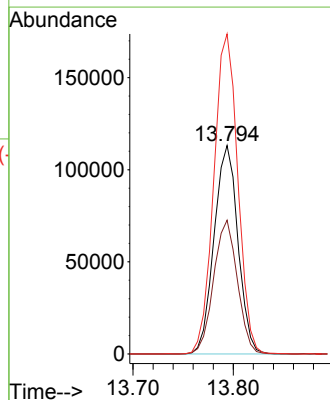
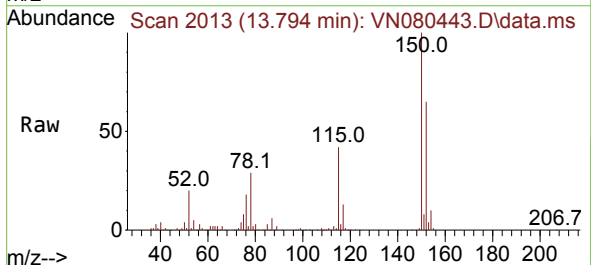
Instrument :
MSVOA_N
ClientSampleId :

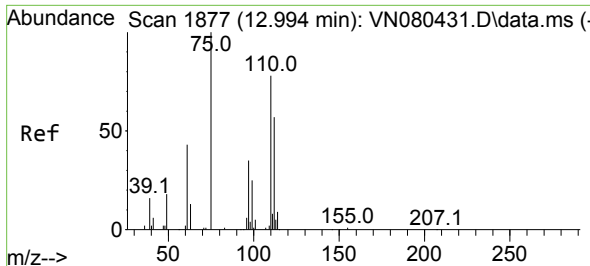
Tgt Ion:117 Resp: 404923
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 30.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

Tgt Ion:152 Resp: 186919
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 154.3 0.0 355.8

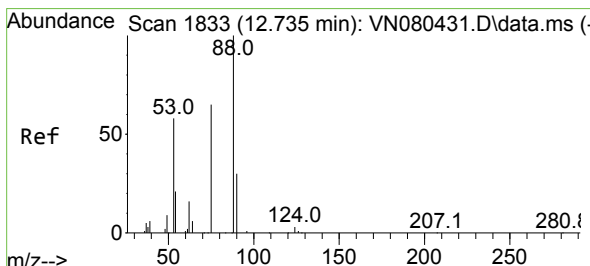
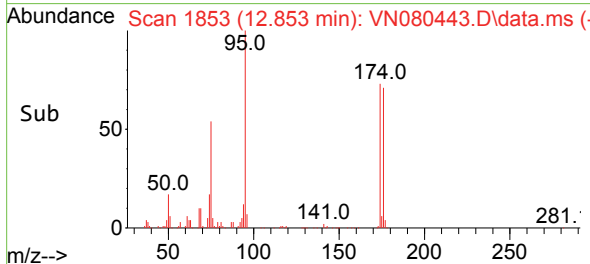
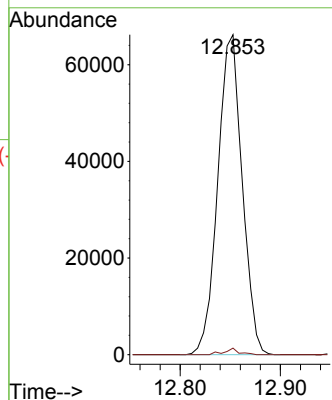
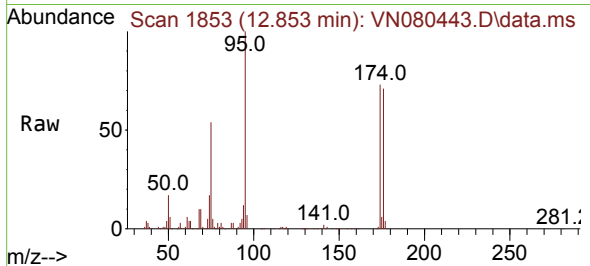




#76
1,2,3-Trichloropropane
Concen: 29.967 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

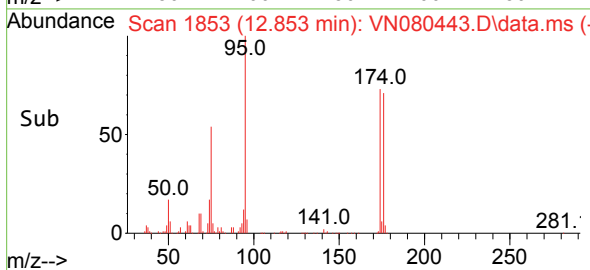
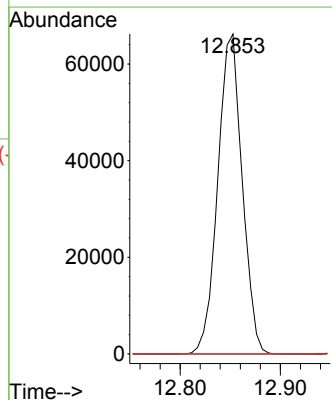
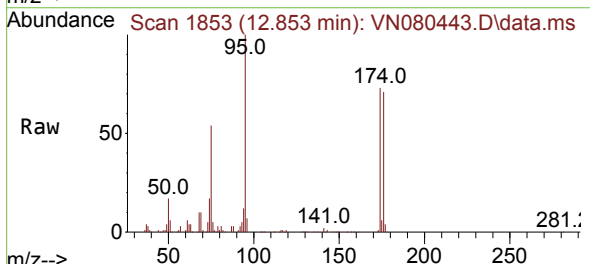
Instrument :
MSVOA_N
ClientSampleId :

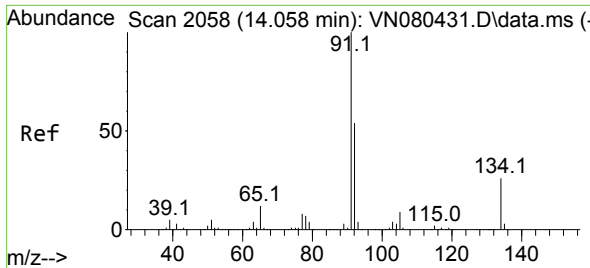
Tgt Ion: 75 Resp: 111745
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.680 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

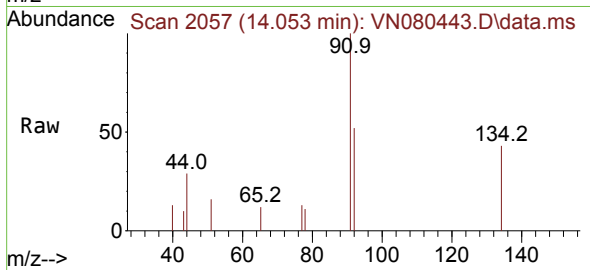
Tgt Ion: 75 Resp: 111745
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



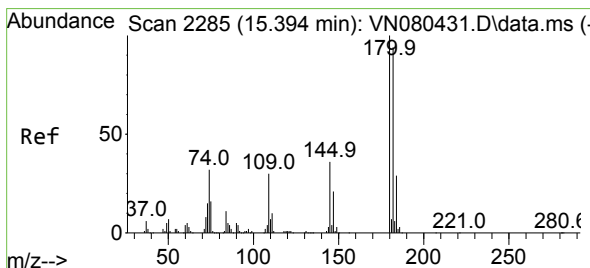
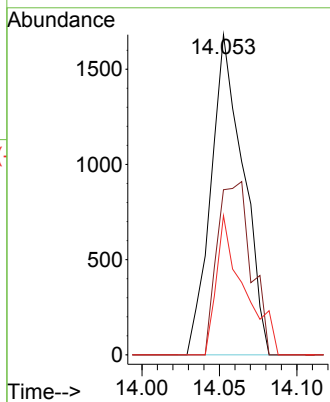
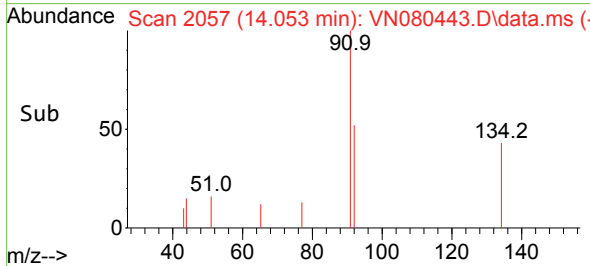


#89
n-Butylbenzene
Concen: 0.239 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27

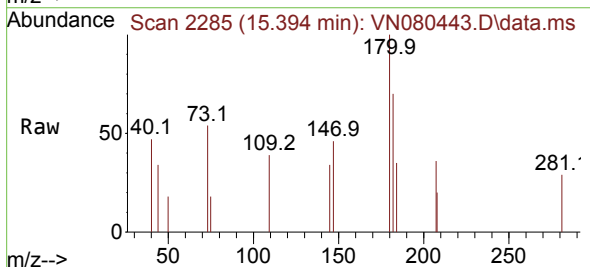
Instrument :
MSVOA_N
ClientSampleId :



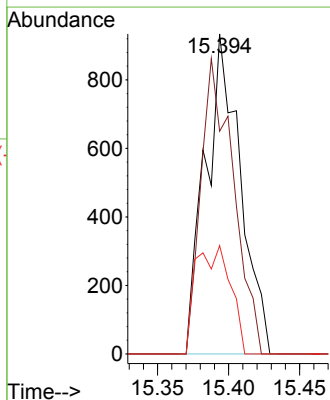
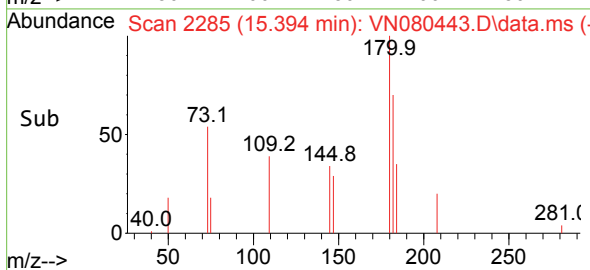
Tgt Ion:	91	Resp:	2443
Ion	Ratio	Lower	Upper
91	100		
92	56.4	26.4	79.0
134	37.0	12.6	37.6

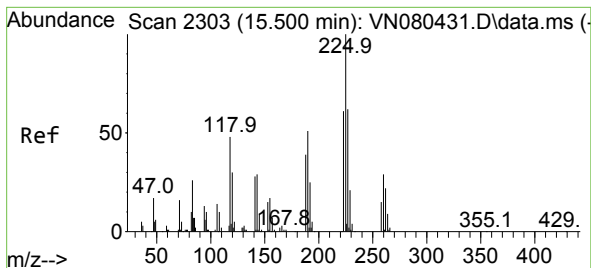


#93
1,2,4-Trichlorobenzene
Concen: 0.466 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080443.D
Acq: 12 Dec 2023 17:27



Tgt Ion:	180	Resp:	1600
Ion	Ratio	Lower	Upper
180	100		
182	85.4	46.1	138.2
145	33.4	16.6	49.8





#94

Hexachlorobutadiene

Concen: 0.743 ug/l

RT: 15.500 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080443.D

Acq: 12 Dec 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :

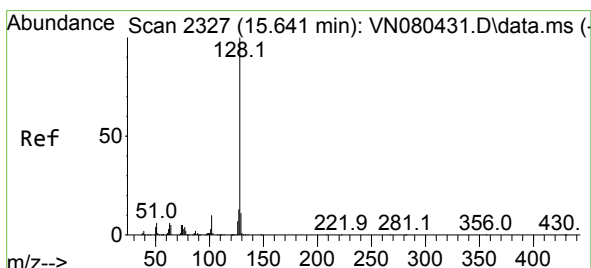
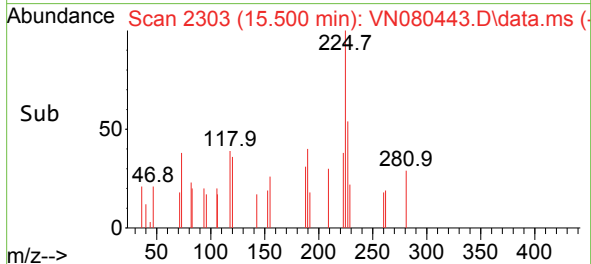
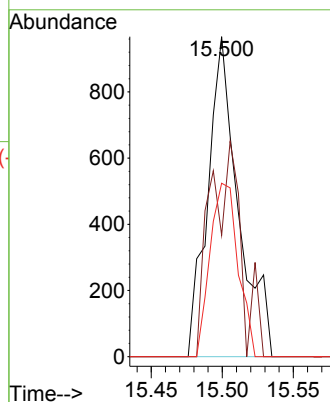
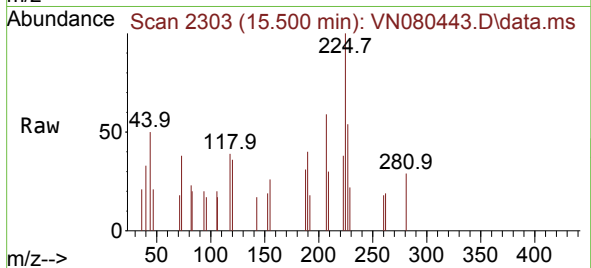
Tgt Ion:225 Resp: 1452

Ion Ratio Lower Upper

225 100

223 68.0 31.3 93.8

227 49.4 31.9 95.9



#95

Naphthalene

Concen: 0.410 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN080443.D

Acq: 12 Dec 2023 17:27

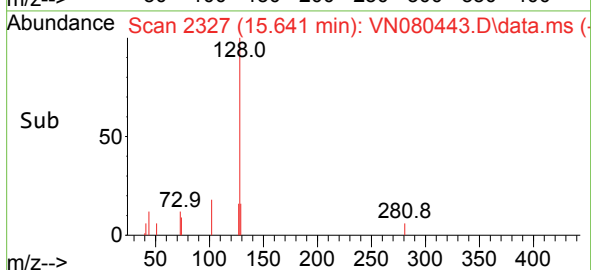
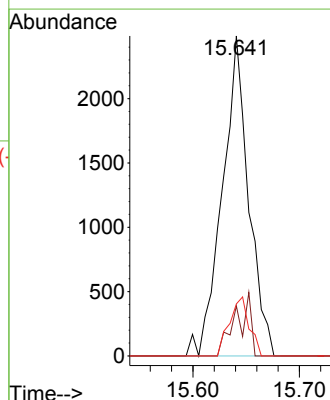
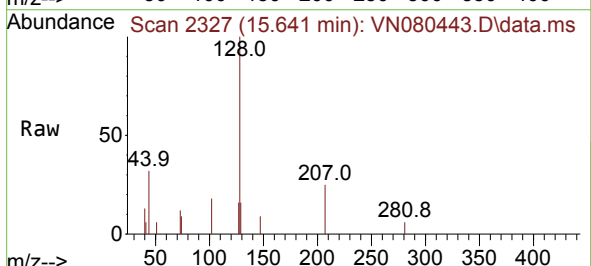
Tgt Ion:128 Resp: 4269

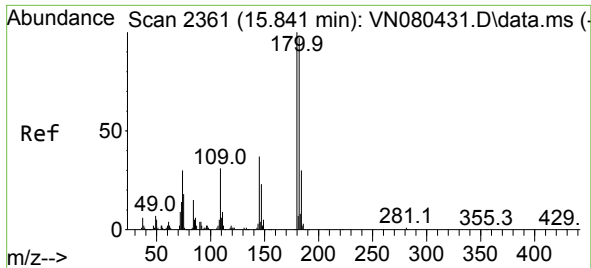
Ion Ratio Lower Upper

128 100

127 11.4 10.0 15.0

129 13.9 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.602 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

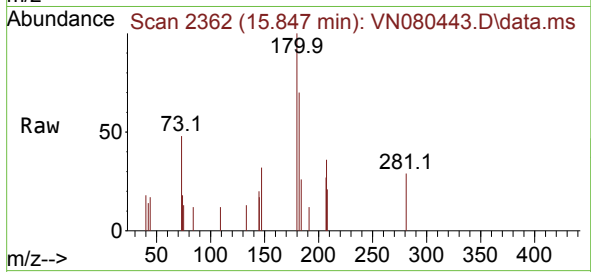
Lab File: VN080443.D

Acq: 12 Dec 2023 17:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1994

Ion Ratio Lower Upper

180 100

182 76.4 46.2 138.6

145 22.9 17.5 52.6

