

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071383.D
 Acq On : 18 Mar 2022 19:31
 Operator : JC\MD
 Sample : N2015-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:11:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

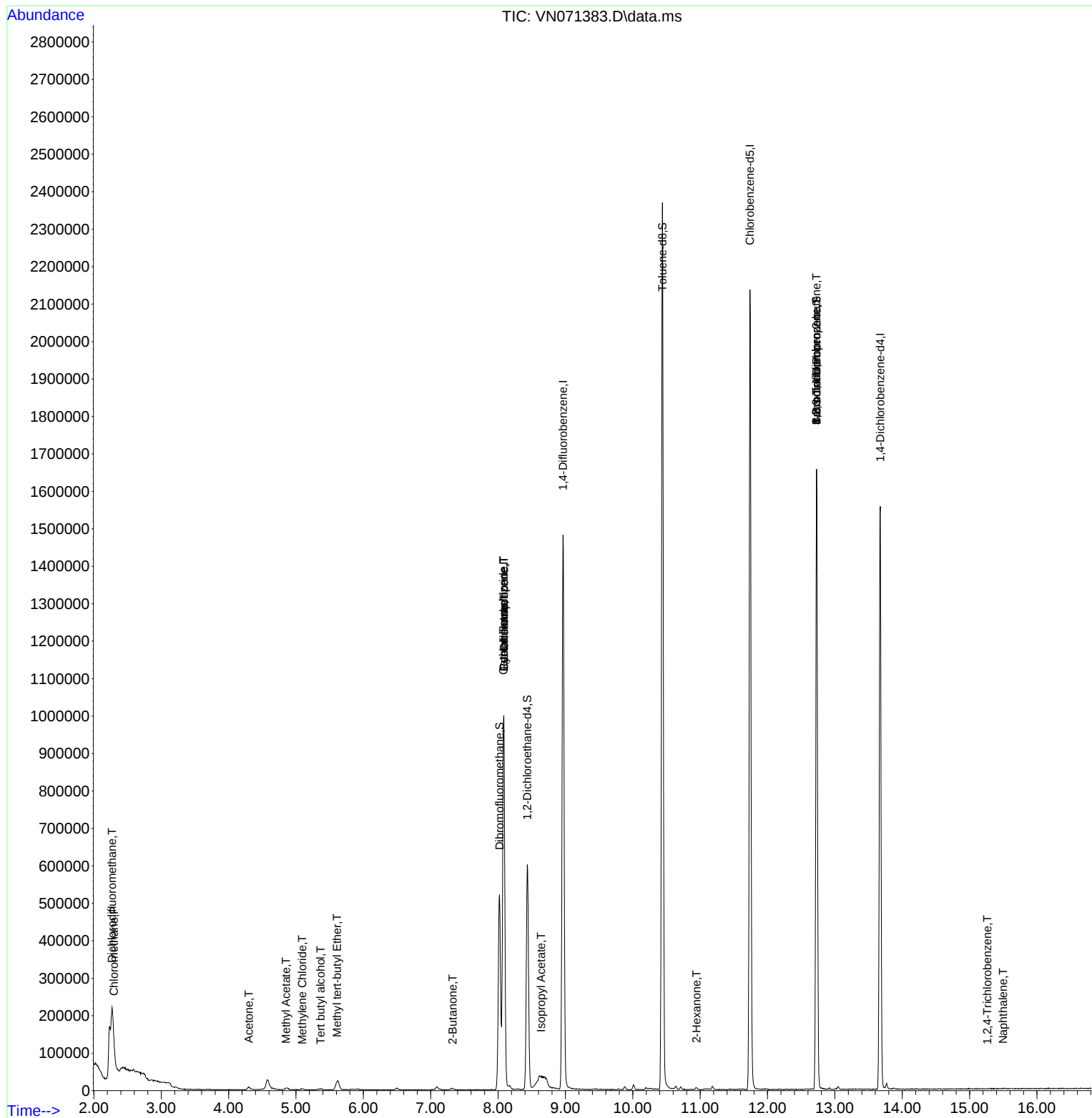
Internal Standards						
1) Pentafluorobenzene	8.086	168	780180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1300314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1229774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	434172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	501551	46.906	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.820%
35) Dibromofluoromethane	8.022	113	385725	47.008	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.020%
50) Toluene-d8	10.439	98	1615325	48.894	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.727	95	583473	52.155	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.269	85	3083	0.361	ug/l	97
3) Chloromethane	2.299	50	5396	0.436	ug/l #	72
5) Bromomethane	2.834	94	262	Below Cal	#	3
11) Tert butyl alcohol	5.363	59	6749	3.213	ug/l #	71
16) Acetone	4.298	43	11318	2.175	ug/l	100
18) Methyl Acetate	4.851	43	11599	1.292	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	39222	1.336	ug/l	97
20) Methylene Chloride	5.092	84	1988	0.589	ug/l #	88
25) 2-Butanone	7.328	43	2175	0.260	ug/l #	87
31) Cyclohexane	8.086	56	16575	0.971	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	61071	4.645	ug/l #	49
38) Carbon Tetrachloride	8.081	117	76556	6.020	ug/l #	17
43) Isopropyl Acetate	8.639	43	50944	1.883	ug/l #	55
59) 2-Hexanone	10.945	43	4928	0.430	ug/l	67
71) Bromoform	12.727	173	3146	0.428	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.739	83	438	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	302779	27.504	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	302779	75.386	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	70	2.999	ug/l #	12
95) Naphthalene	15.498	128	1118	5.118	ug/l #	69

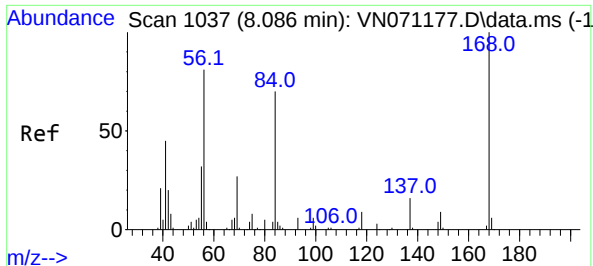
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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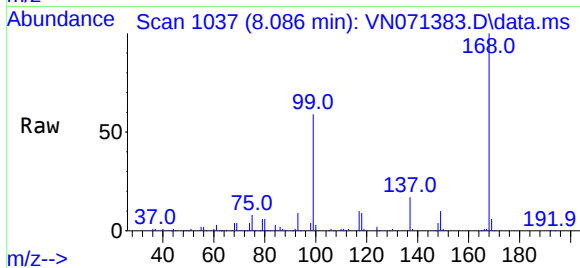
Quant Time: Mar 19 07:11:42 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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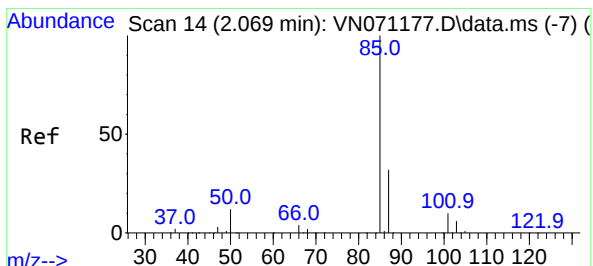
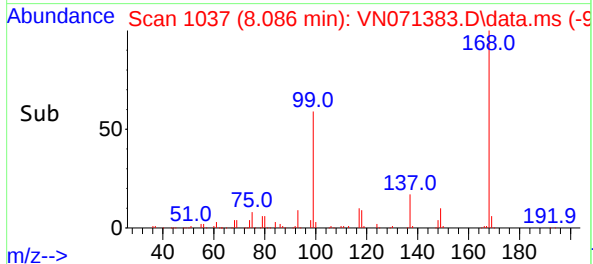
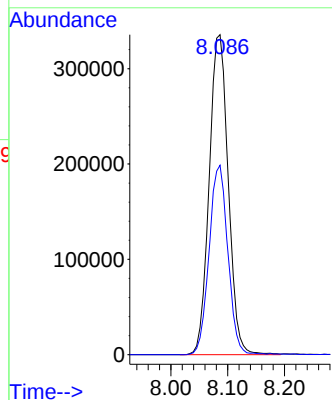


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

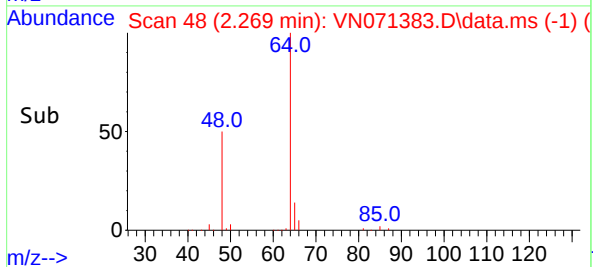
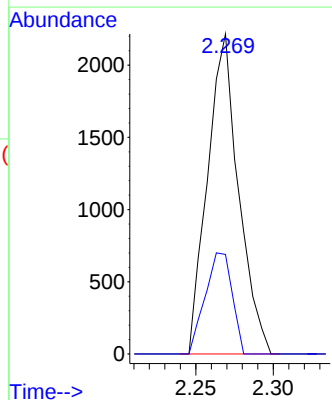
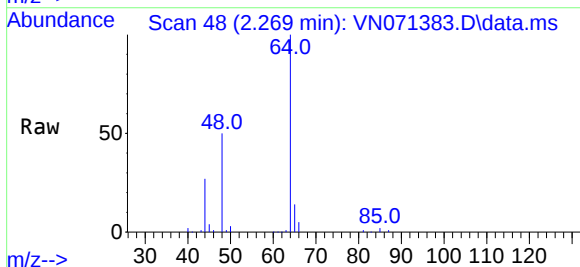


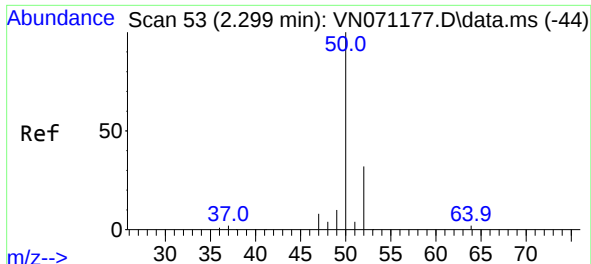
Tgt Ion:168 Resp: 780180
Ion Ratio Lower Upper
168 100
99 59.2 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.361 ug/l
RT: 2.269 min Scan# 48
Delta R.T. 0.200 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

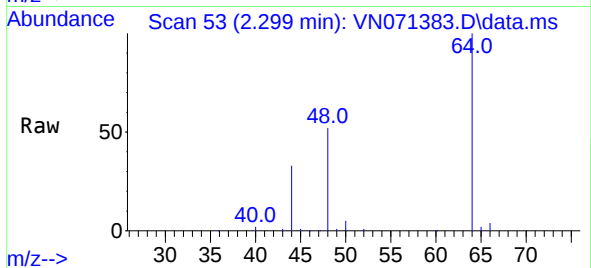
Tgt Ion: 85 Resp: 3083
Ion Ratio Lower Upper
85 100
87 31.1 16.3 48.9



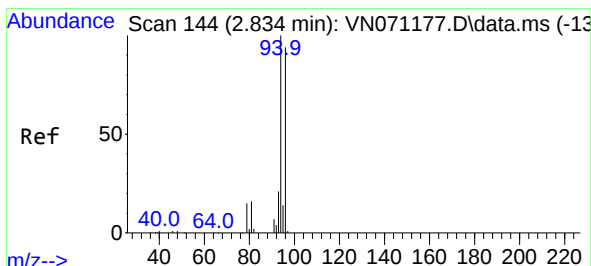
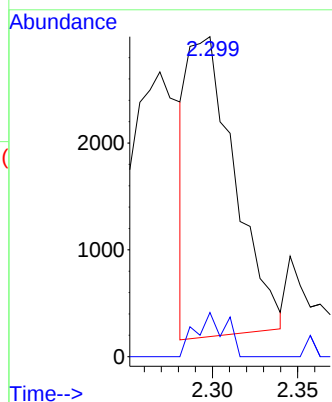
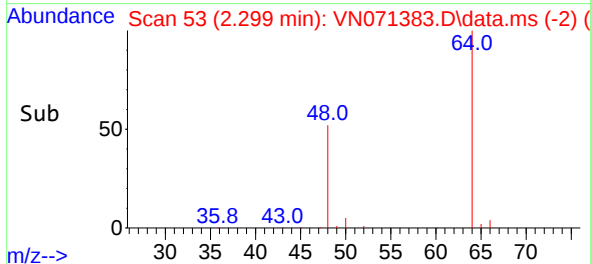


#3
Chloromethane
Concen: 0.436 ug/l
RT: 2.299 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

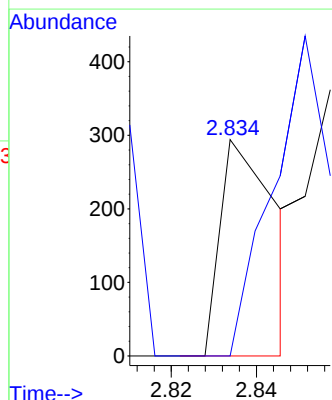
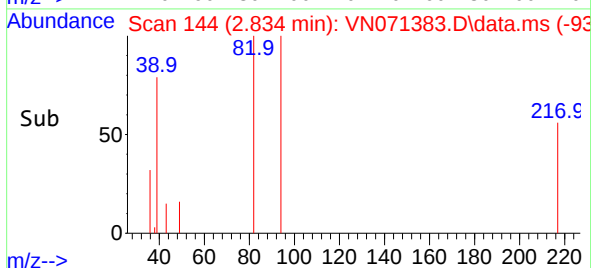
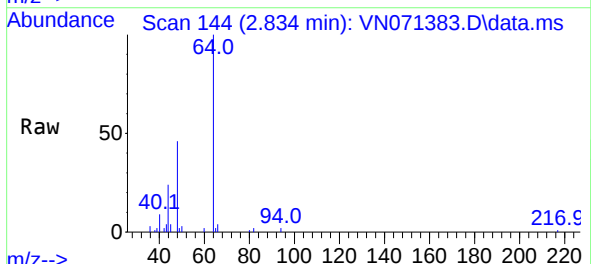


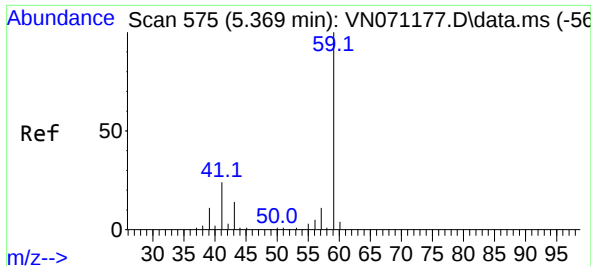
Tgt Ion: 50 Resp: 5396
Ion Ratio Lower Upper
50 100
52 16.0 25.4 38.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 144
Delta R.T. -0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

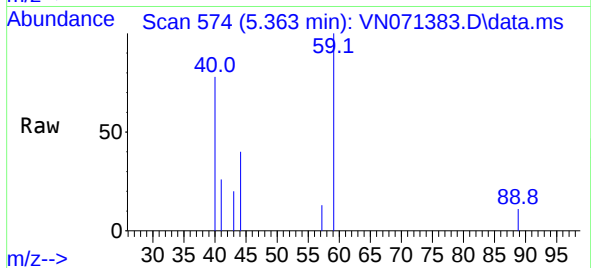
Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#



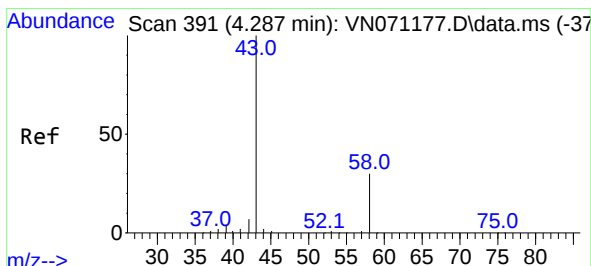
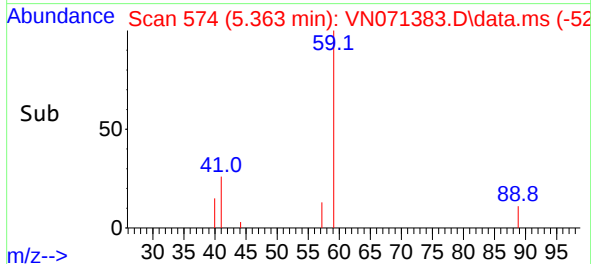
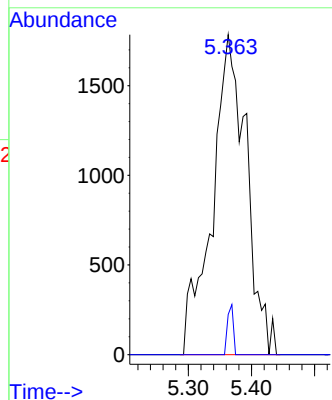


#11
Tert butyl alcohol
Concen: 3.213 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

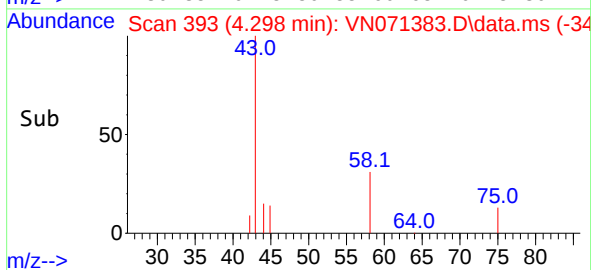
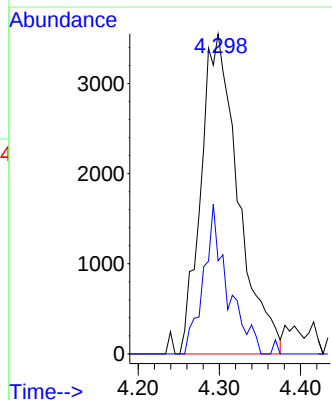
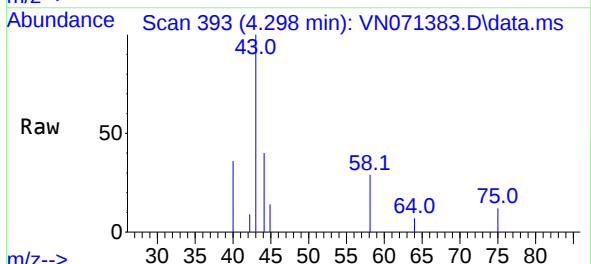


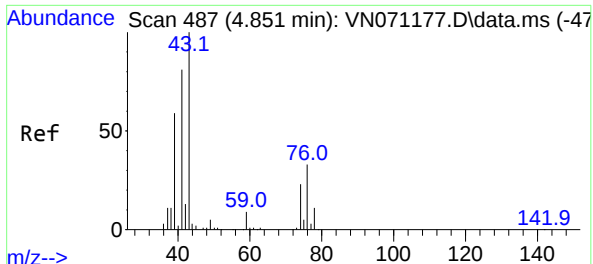
Tgt Ion: 59 Resp: 6749
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 2.175 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Tgt Ion: 43 Resp: 11318
Ion Ratio Lower Upper
43 100
58 29.1 23.1 34.7

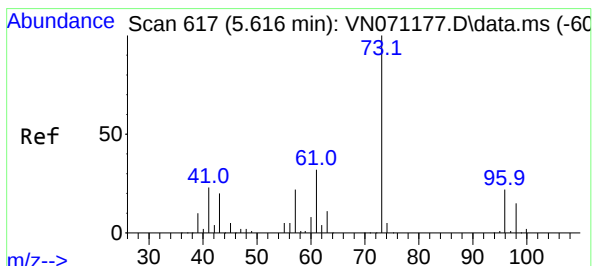
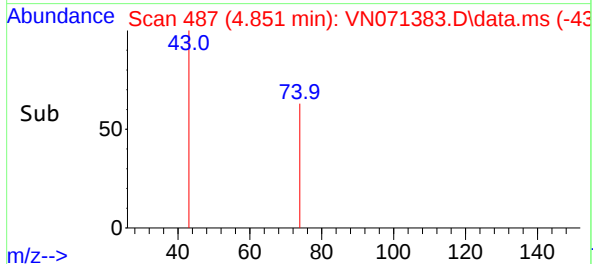
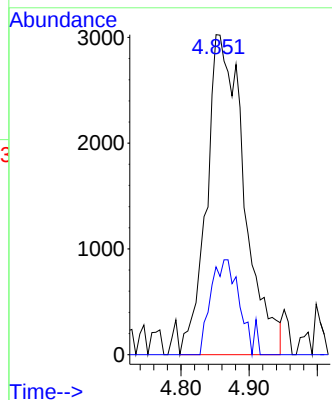
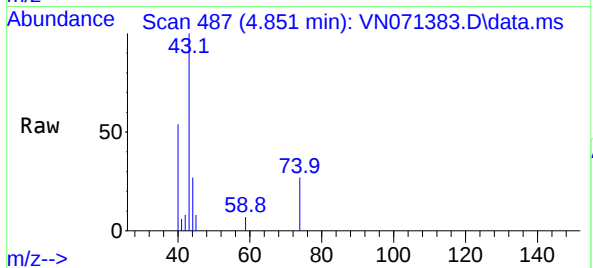




#18
Methyl Acetate
Concen: 1.292 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

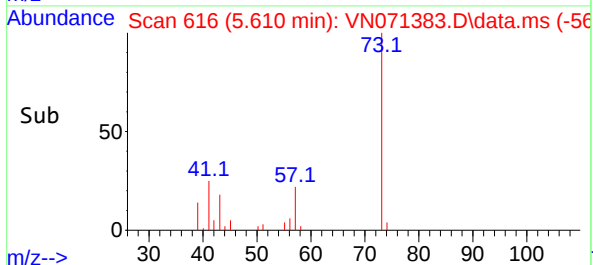
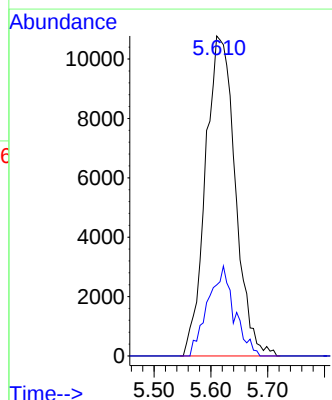
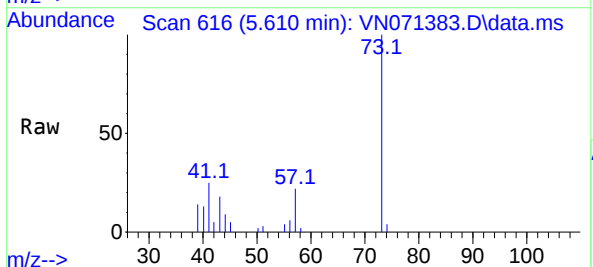
Instrument :
MSVOA_N
ClientSampleId :

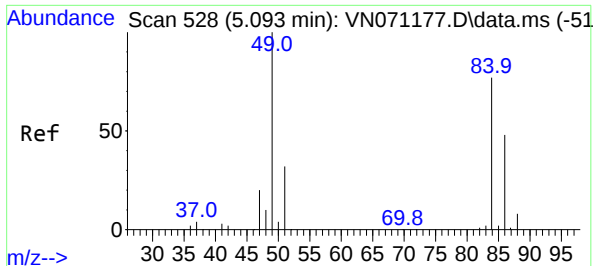
Tgt Ion: 43 Resp: 11599
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 1.336 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

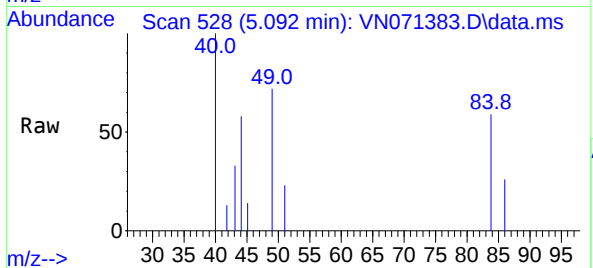
Tgt Ion: 73 Resp: 39222
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2





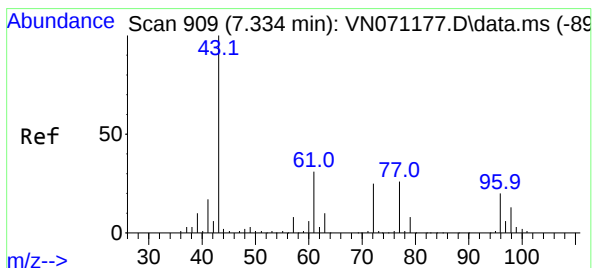
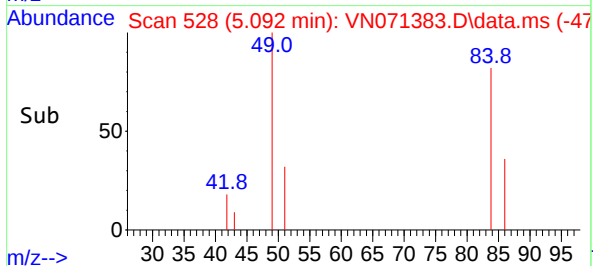
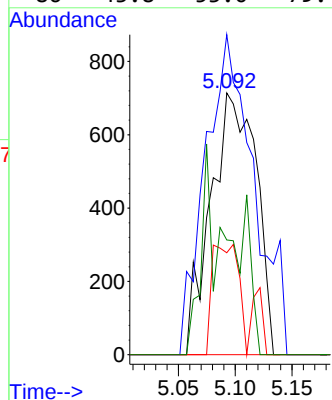
#20
Methylene Chloride
Concen: 0.589 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1988

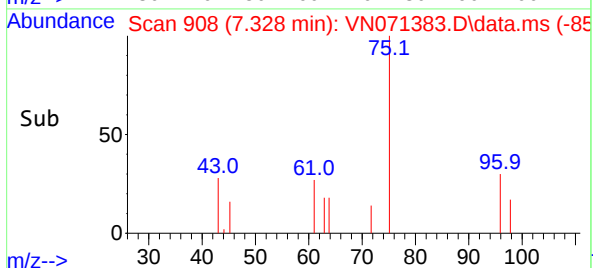
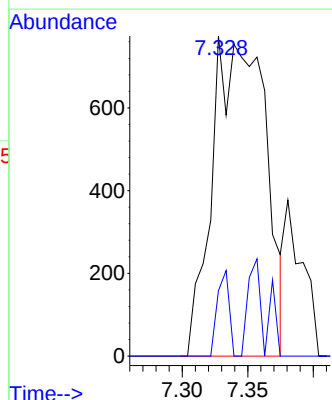
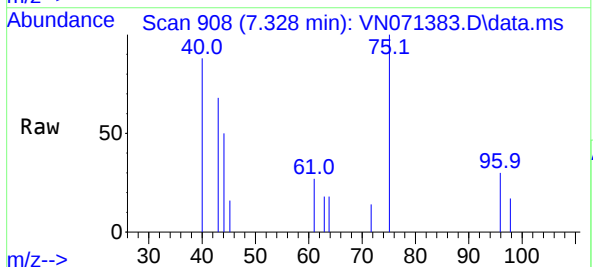
Ion	Ratio	Lower	Upper
84	100		
49	122.3	93.5	140.3
51	38.9	29.4	44.2
86	43.8	53.0	79.4

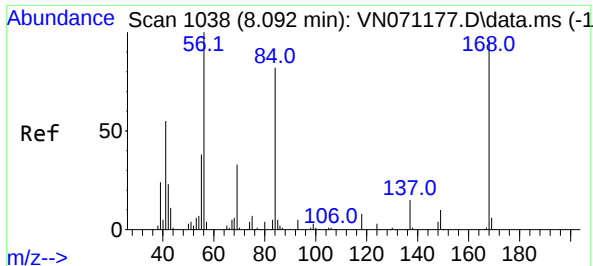


#25
2-Butanone
Concen: 0.260 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Tgt Ion: 43 Resp: 2175

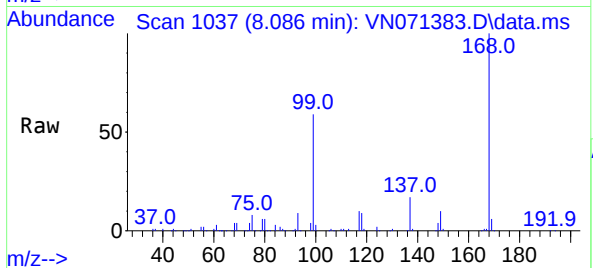
Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.7	32.5



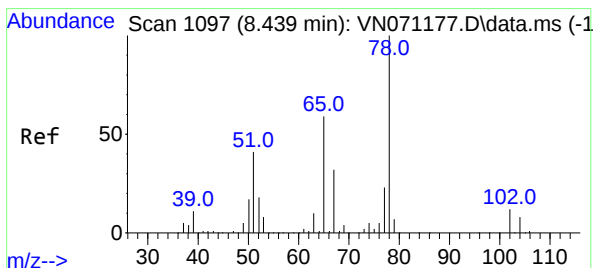
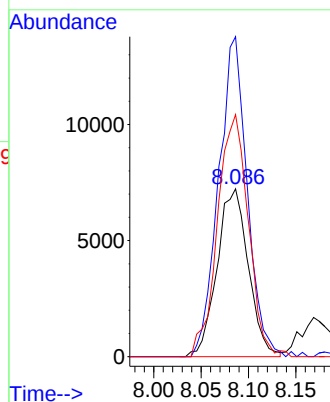
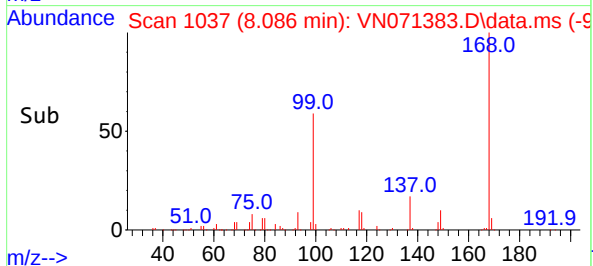


#31
Cyclohexane
Concen: 0.971 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

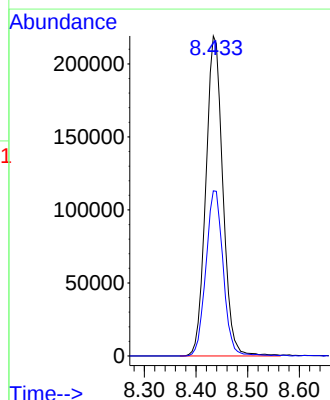
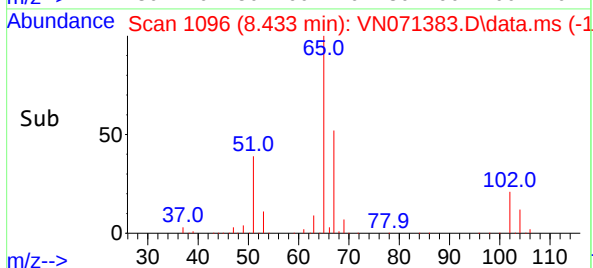
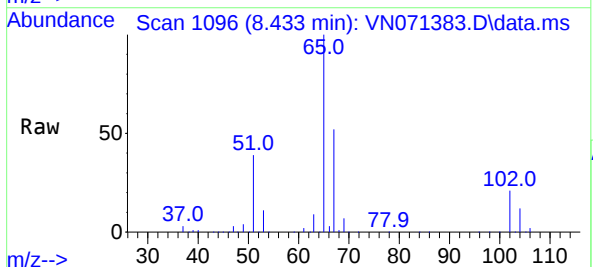


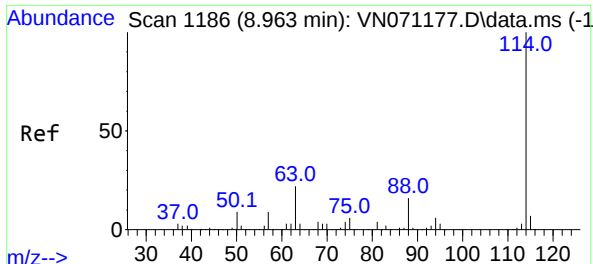
Tgt Ion: 56 Resp: 16575
Ion Ratio Lower Upper
56 100
69 190.7 27.1 40.7#
84 144.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.906 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

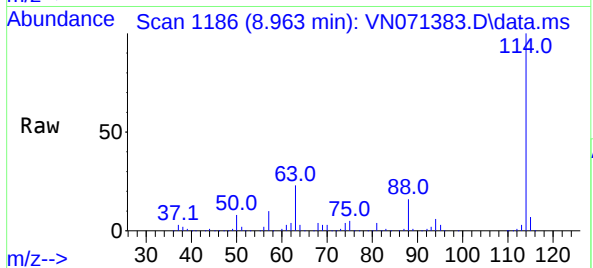
Tgt Ion: 65 Resp: 501551
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0



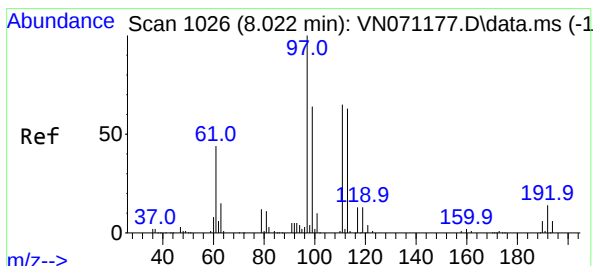
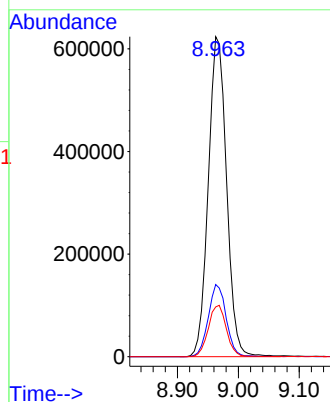
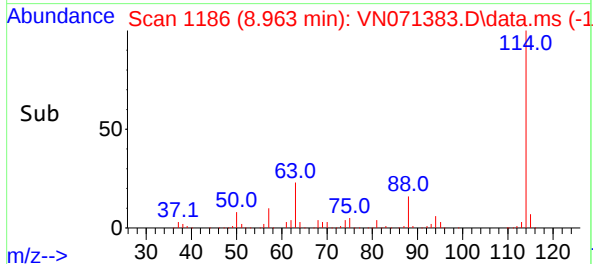


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

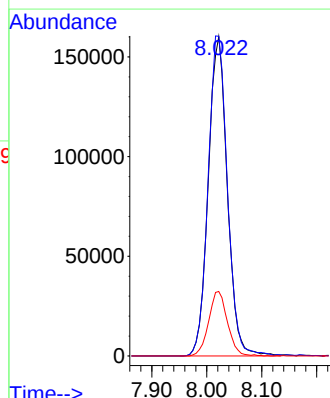
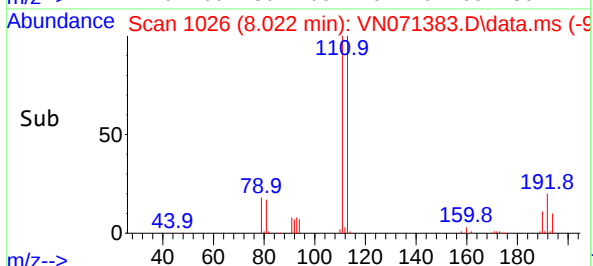
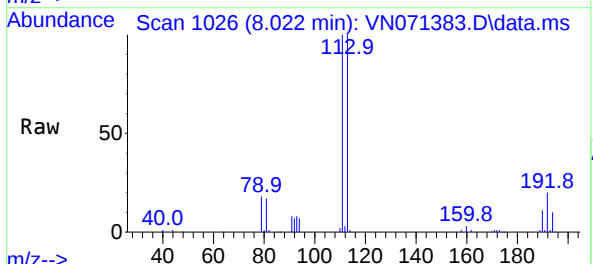


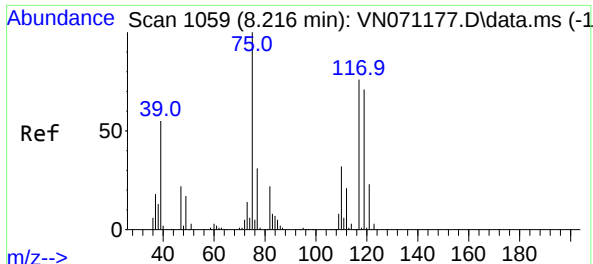
Tgt Ion:114 Resp: 1300314
Ion Ratio Lower Upper
114 100
63 22.5 0.0 37.8
88 15.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.008 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Tgt Ion:113 Resp: 385725
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071383.D

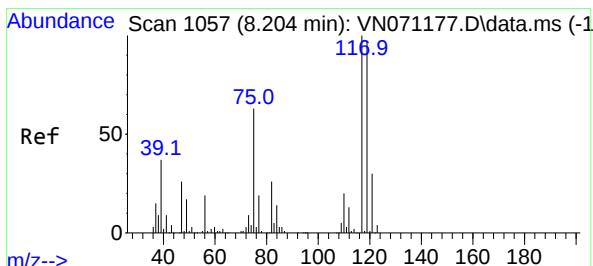
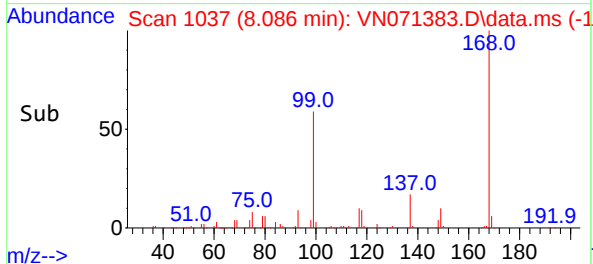
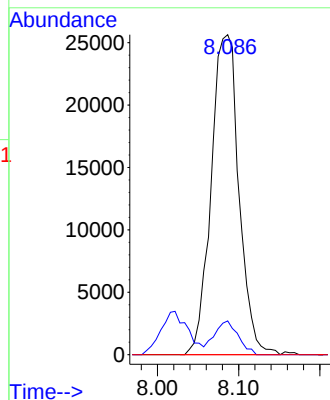
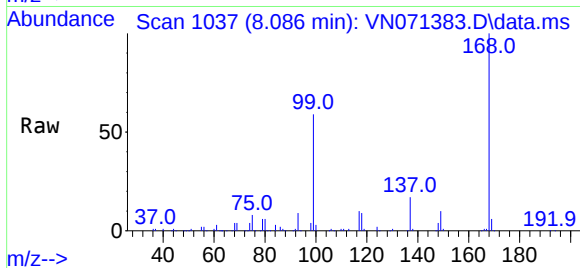
Acq: 18 Mar 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	61071
Ion Ratio	Lower	Upper	
75	100		
110	9.0	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.020 ug/l

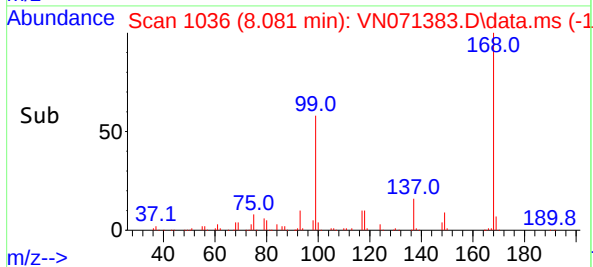
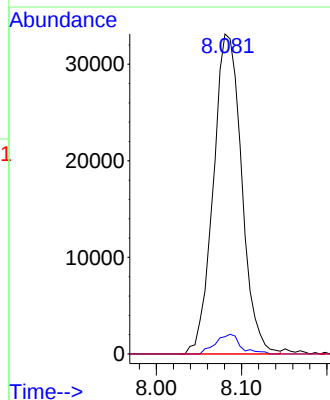
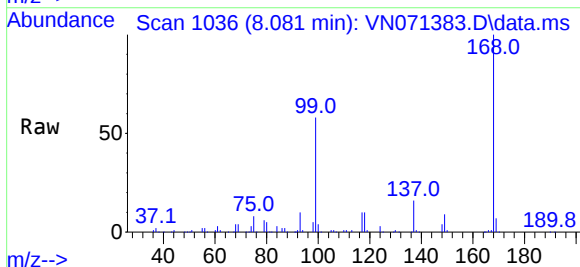
RT: 8.081 min Scan# 1036

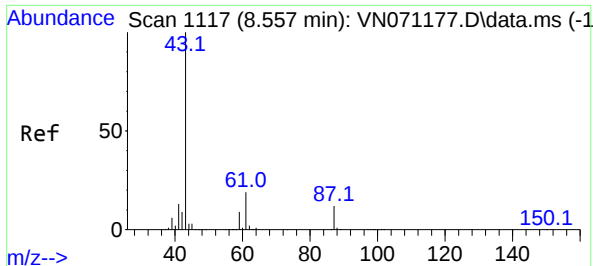
Delta R.T. -0.124 min

Lab File: VN071383.D

Acq: 18 Mar 2022 19:31

Tgt Ion:	117	Resp:	76556
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.1	114.1#
121	0.0	24.2	36.2#

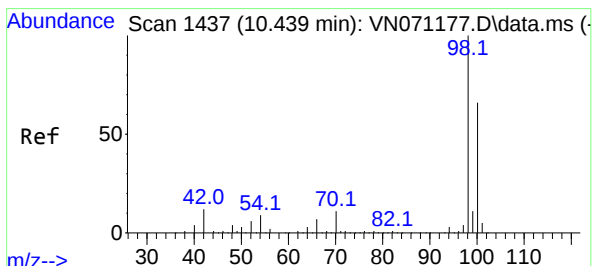
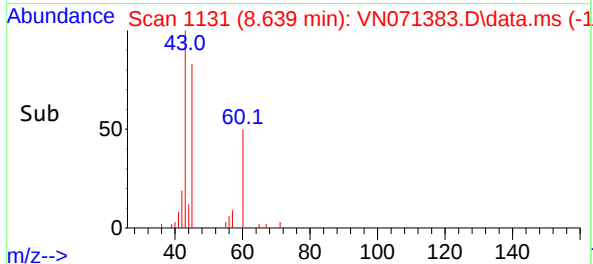
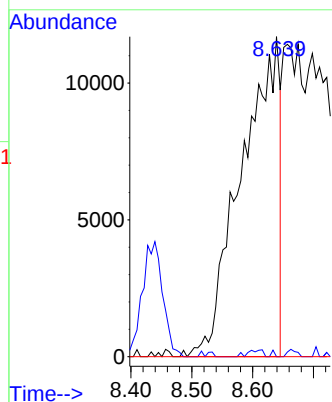
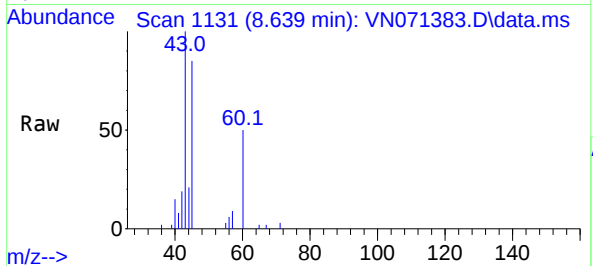




#43
Isopropyl Acetate
Concen: 1.883 ug/l
RT: 8.639 min Scan# 1117
Delta R.T. 0.082 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

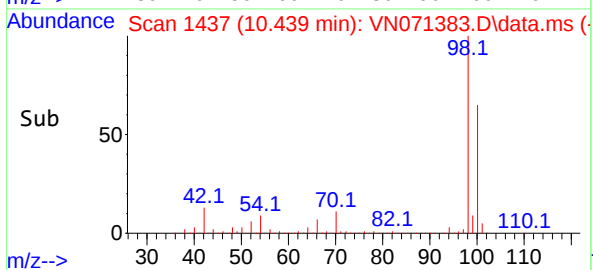
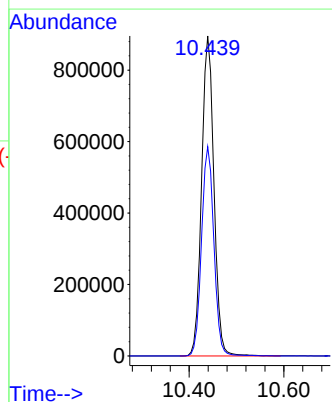
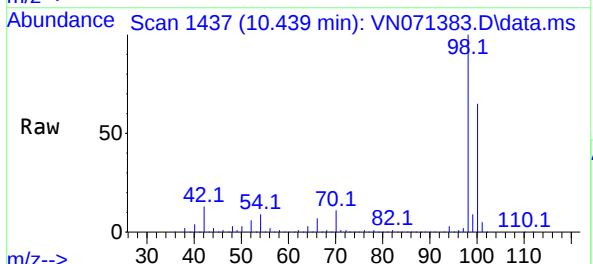
Instrument :
MSVOA_N
ClientSampleId :

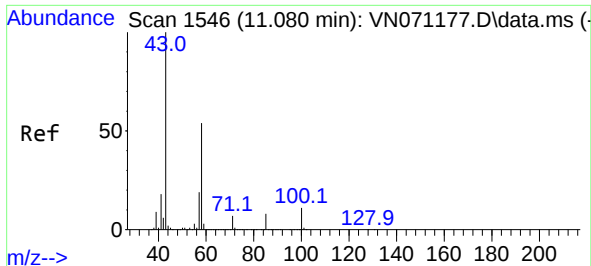
Tgt Ion: 43 Resp: 50944
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.894 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Tgt Ion: 98 Resp: 1615325
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6

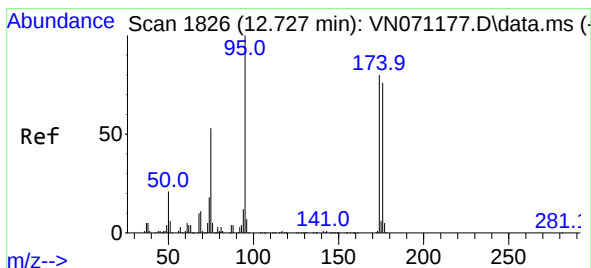
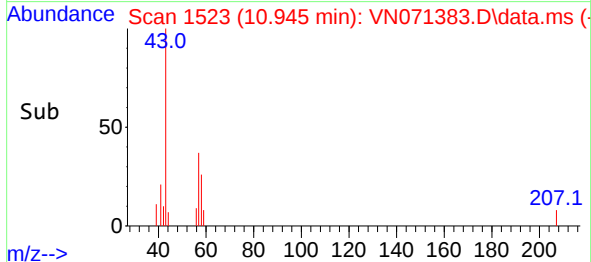
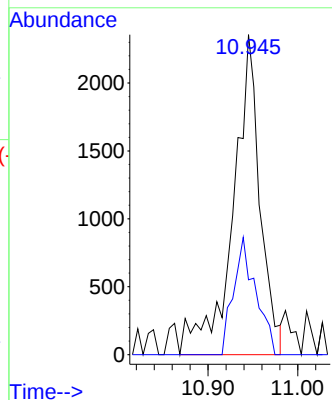
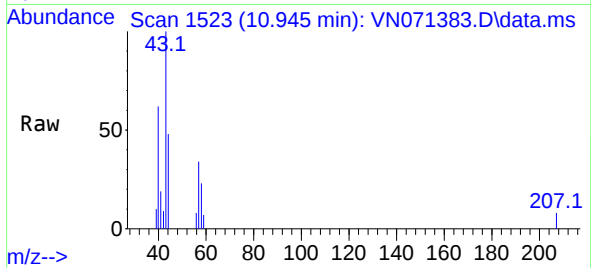




#59
2-Hexanone
Concen: 0.430 ug/l
RT: 10.945 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

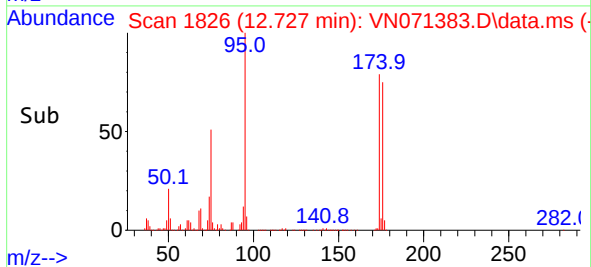
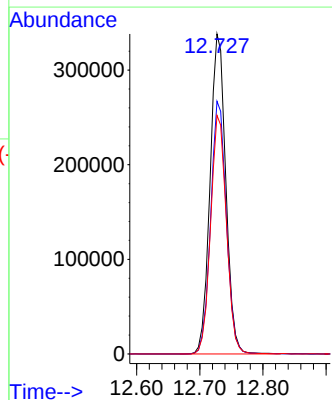
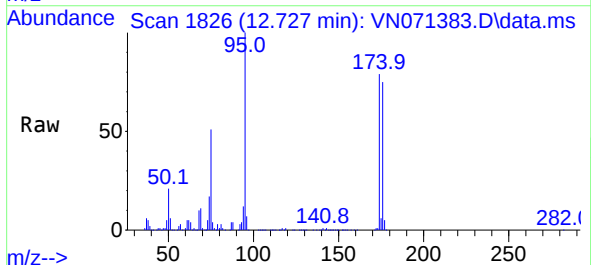
Instrument :
MSVOA_N
ClientSampleId :

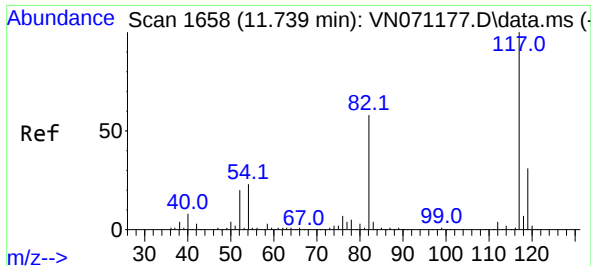
Tgt Ion: 43 Resp: 4928
Ion Ratio Lower Upper
43 100
58 30.2 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 52.155 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

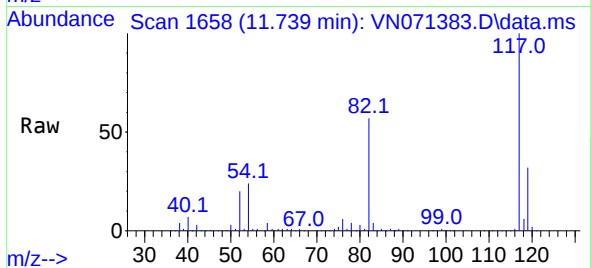
Tgt Ion: 95 Resp: 583473
Ion Ratio Lower Upper
95 100
174 78.8 0.0 187.2
176 74.9 0.0 181.4



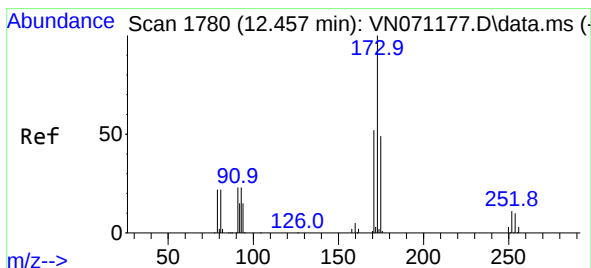
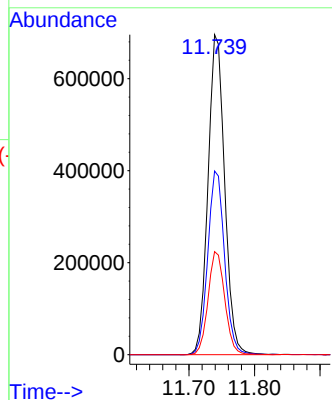
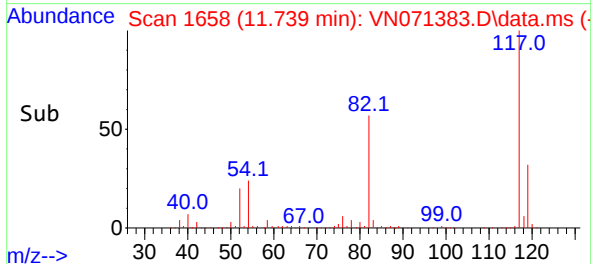


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :

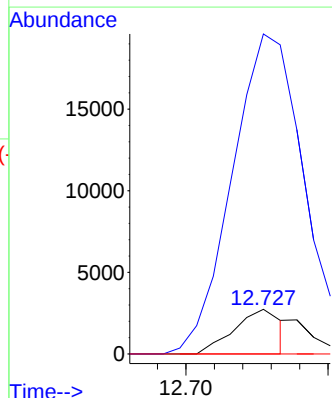
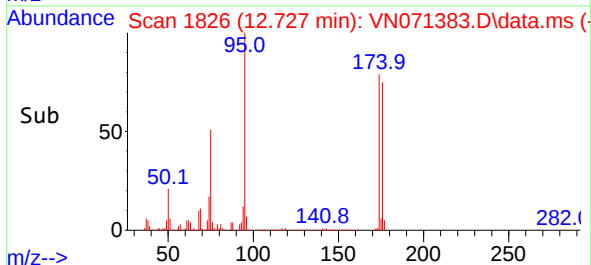
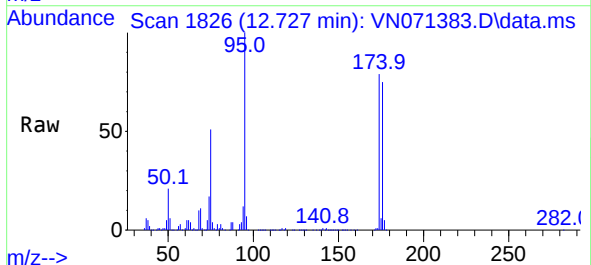


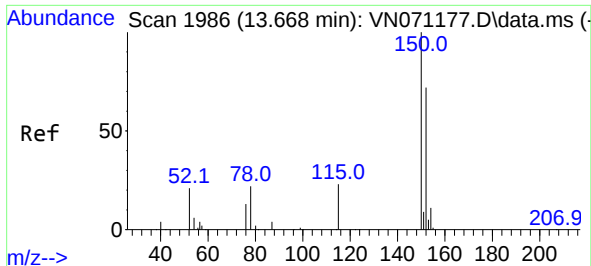
Tgt Ion:117 Resp: 1229774
Ion Ratio Lower Upper
117 100
82 57.4 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.428 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

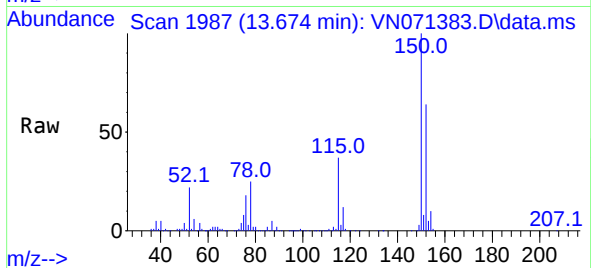
Tgt Ion:173 Resp: 3146
Ion Ratio Lower Upper
173 100
175 803.3 24.2 72.6#
254 0.0 0.0 0.0



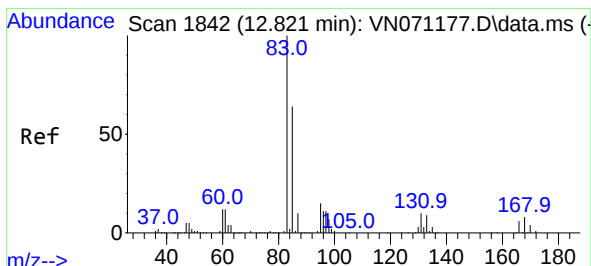
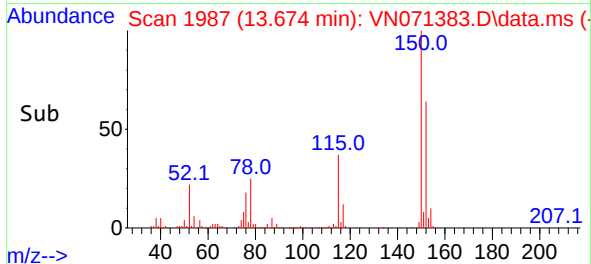
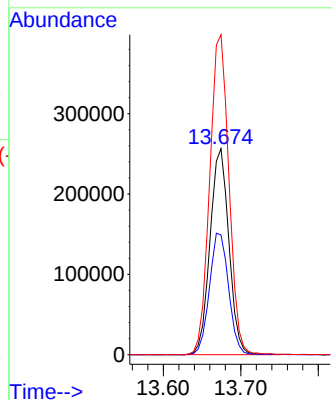


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071383.D
 Acq: 18 Mar 2022 19:31

Instrument :
 MSVOA_N
 ClientSampleId :

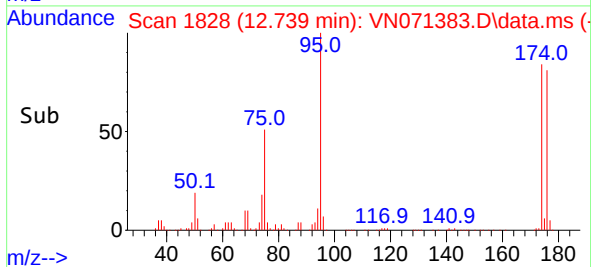
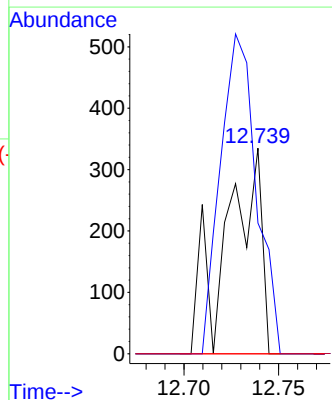
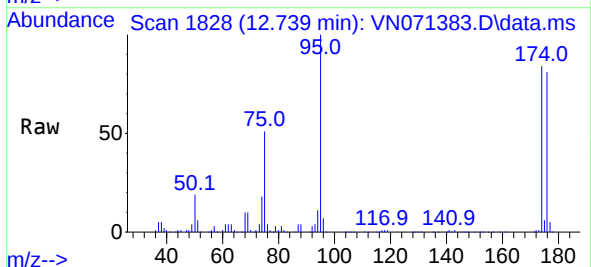


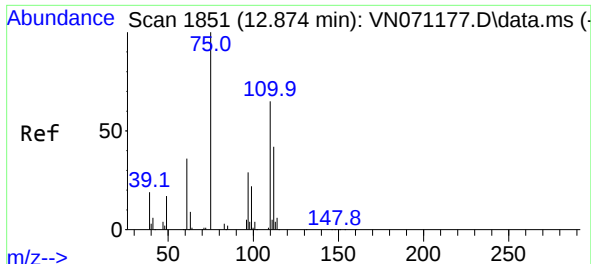
Tgt Ion:152 Resp: 434172
 Ion Ratio Lower Upper
 152 100
 115 59.9 27.5 82.5
 150 157.9 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.739 min Scan# 1828
 Delta R.T. -0.082 min
 Lab File: VN071383.D
 Acq: 18 Mar 2022 19:31

Tgt Ion: 83 Resp: 438
 Ion Ratio Lower Upper
 83 100
 131 157.1 5.5 16.5#
 85 0.0 32.4 97.2#

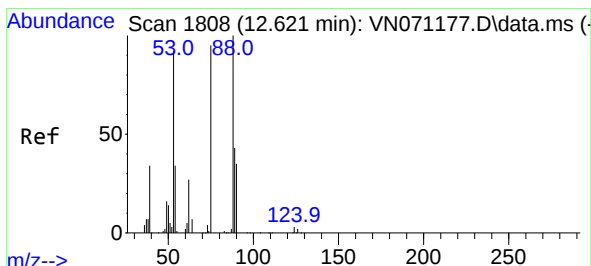
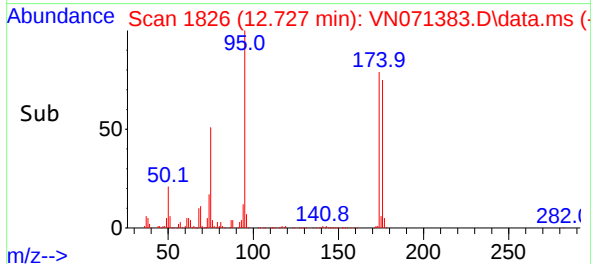
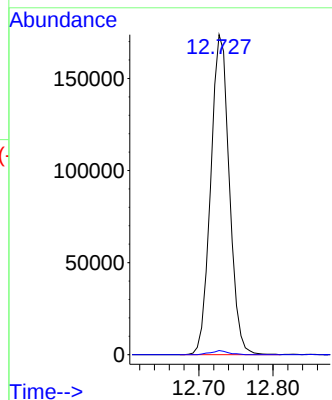
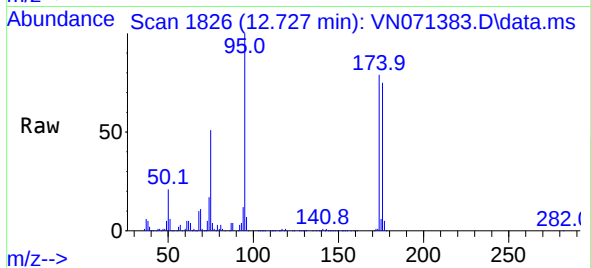




#76
1,2,3-Trichloropropane
Concen: 27.504 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

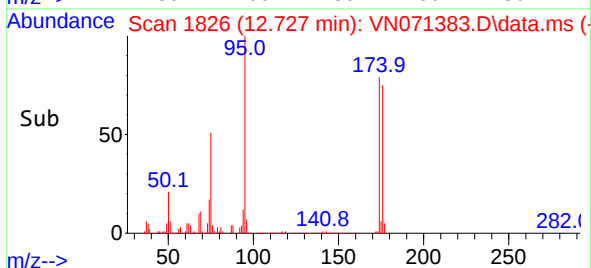
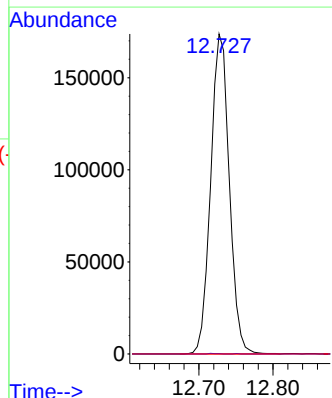
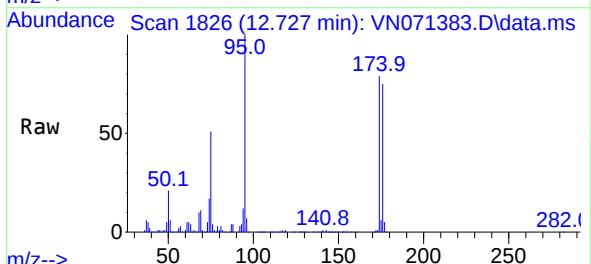
Instrument :
MSVOA_N
ClientSampleId :

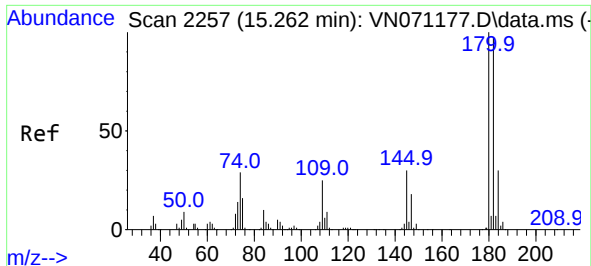
Tgt Ion: 75 Resp: 302779
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.386 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

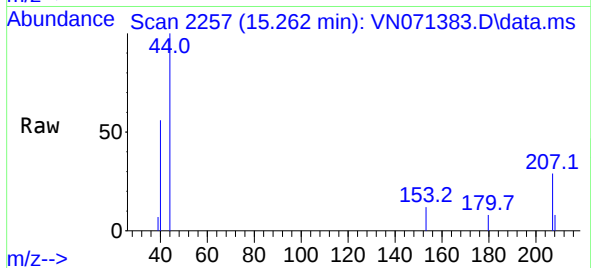
Tgt Ion: 75 Resp: 302779
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



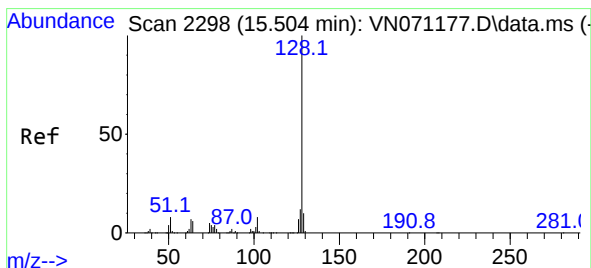
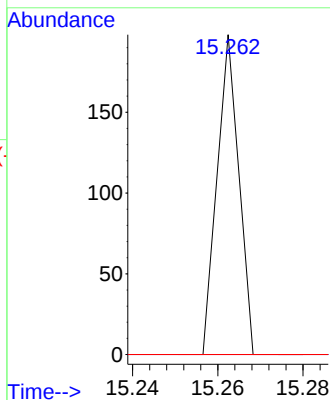
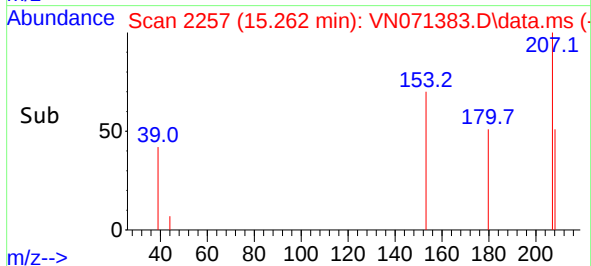


#93
1,2,4-Trichlorobenzene
Concen: 2.999 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31

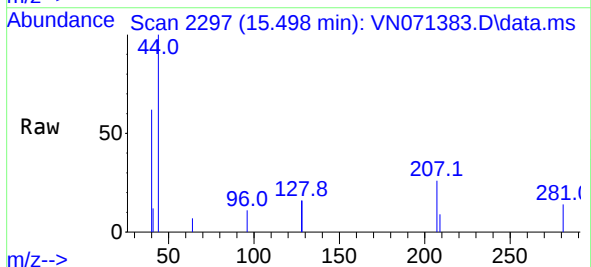
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 70
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.118 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.006 min
Lab File: VN071383.D
Acq: 18 Mar 2022 19:31



Tgt Ion:128 Resp: 1118
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

