

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074683.D
 Acq On : 01 Oct 2022 02:22
 Operator : JC\MD
 Sample : VN0930WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBL02

Quant Time: Oct 03 02:09:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

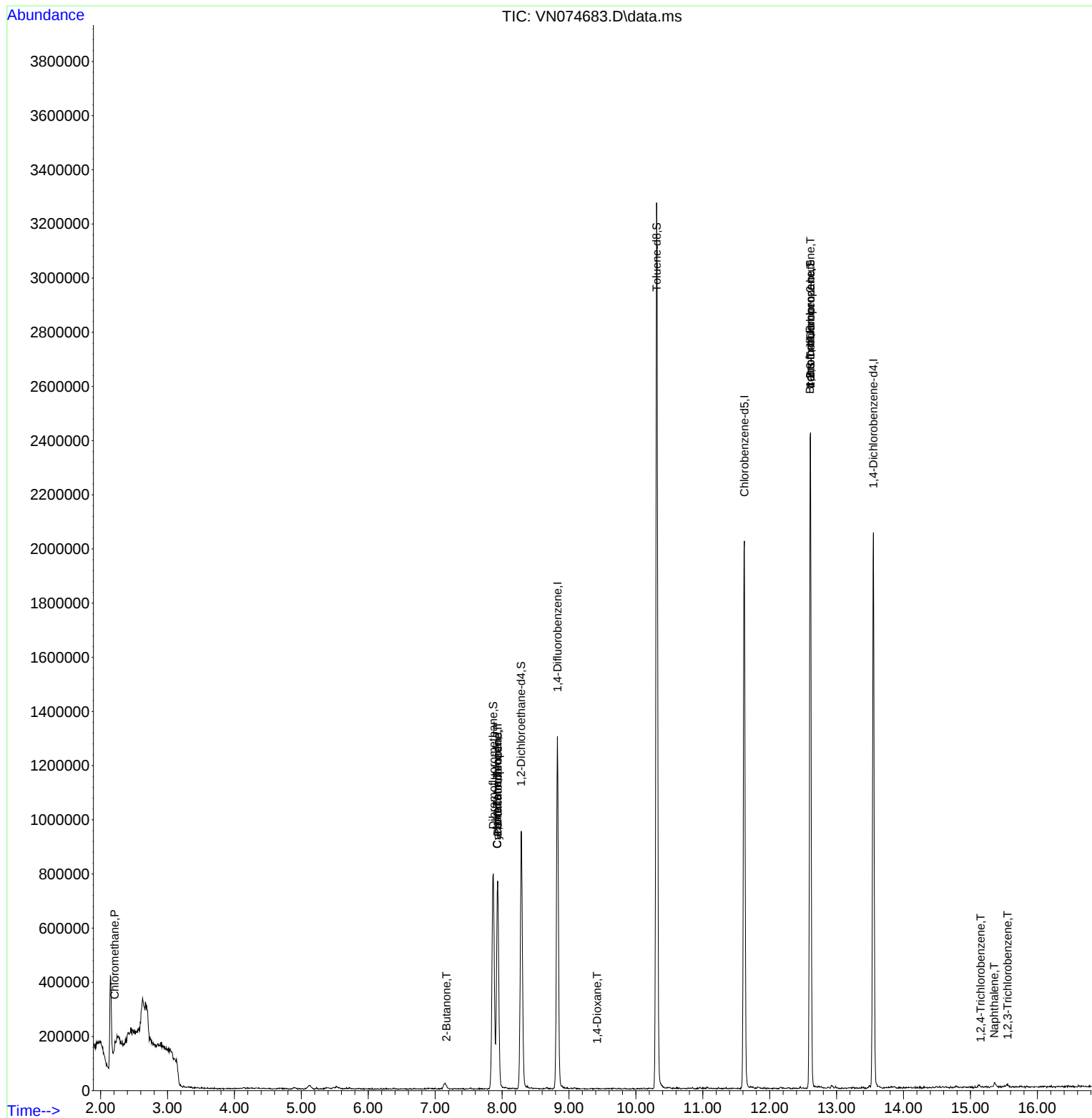
Internal Standards						
1) Pentafluorobenzene	7.934	168	560548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1054333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1065009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	502397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	689953	49.112	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.220%
35) Dibromofluoromethane	7.869	113	570079	51.084	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.160%
50) Toluene-d8	10.310	98	2158234	45.978	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.960%
62) 4-Bromofluorobenzene	12.610	95	713231	47.918	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.210	50	5889	0.343	ug/l #	56
8) Diethyl Ether	3.687	74	74	Below Cal	#	1
13) Acrolein	3.893	56	278	Below Cal	#	1
16) Acetone	4.146	43	2887	Below Cal	#	79
20) Methylene Chloride	4.887	84	3472	Below Cal	#	81
25) 2-Butanone	7.169	43	3973	0.307	ug/l #	45
31) Cyclohexane	7.928	56	17494	0.766	ug/l #	64
36) 1,1-Dichloropropene	7.934	75	52870	2.958	ug/l #	48
38) Carbon Tetrachloride	7.928	117	58748	3.588	ug/l #	19
49) 1,4-Dioxane	9.422	88	99	0.298	ug/l #	1
71) Bromoform	12.604	173	4876	0.535	ug/l #	28
74) N-amyl acetate	12.269	43	2071	Below Cal	#	78
75) 1,1,2,2-Tetrachloroethane	12.710	83	430	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.610	75	434546	38.118	ug/l #	1
77) Bromobenzene	12.739	156	638	Below Cal		63
81) trans-1,4-Dichloro-2-b...	12.610	75	434546	72.281	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.151	180	1791	0.210	ug/l #	19
94) Hexachlorobutadiene	15.233	225	357	Below Cal	#	28
95) Naphthalene	15.357	128	16849	0.505	ug/l	98
96) 1,2,3-Trichlorobenzene	15.557	180	3301	0.389	ug/l #	87

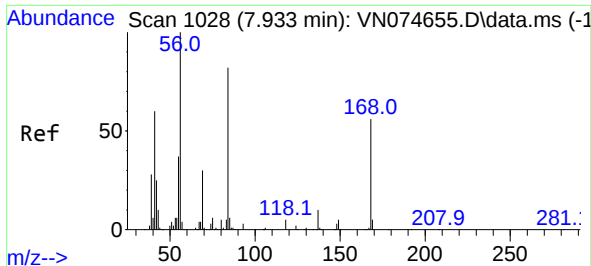
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:09:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
Response via : Initial Calibration

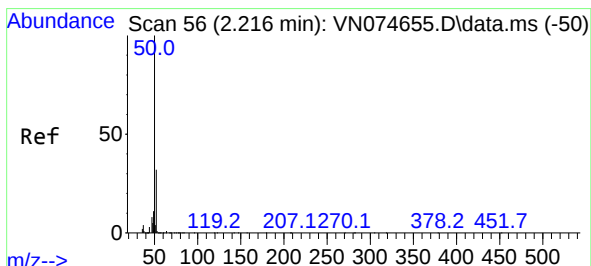
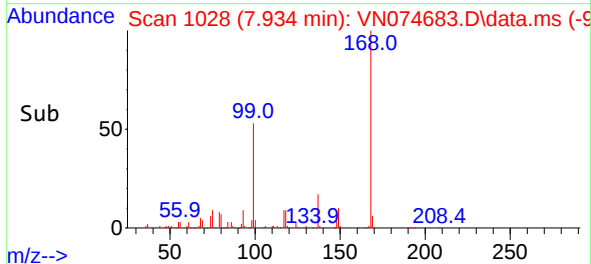
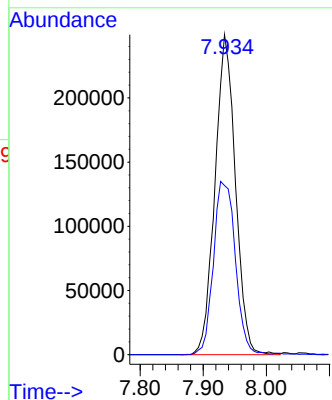
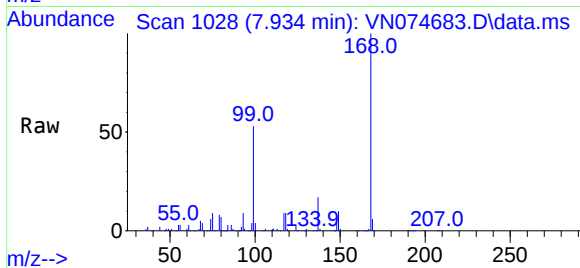




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

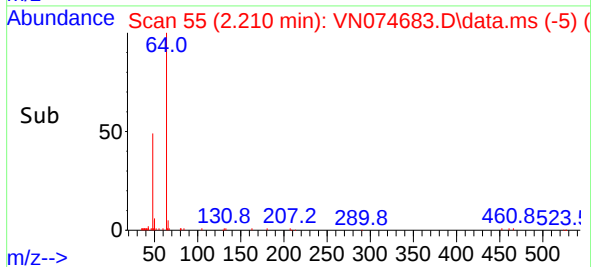
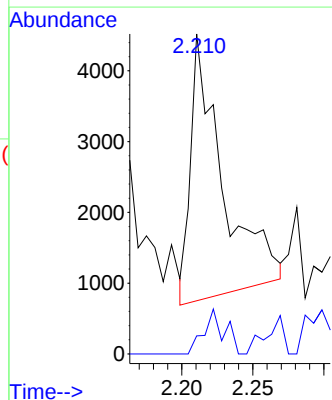
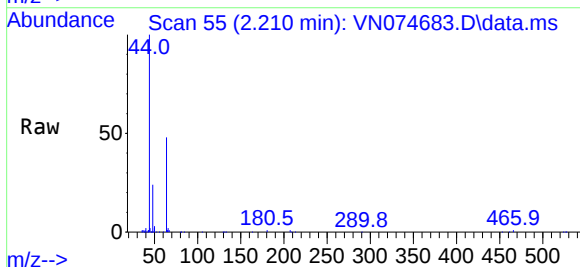
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

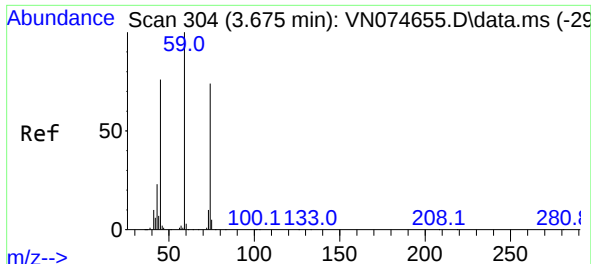
Tgt Ion:168 Resp: 560548
Ion Ratio Lower Upper
168 100
99 52.8 42.3 63.5



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.210 min Scan# 55
Delta R.T. -0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 50 Resp: 5889
Ion Ratio Lower Upper
50 100
52 7.4 25.7 38.5#

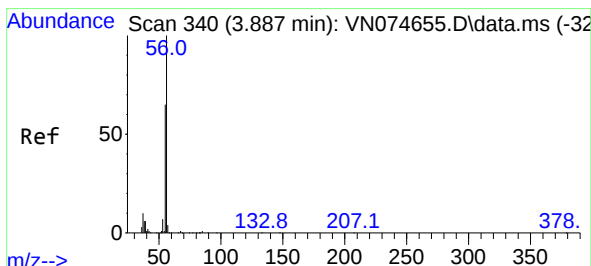
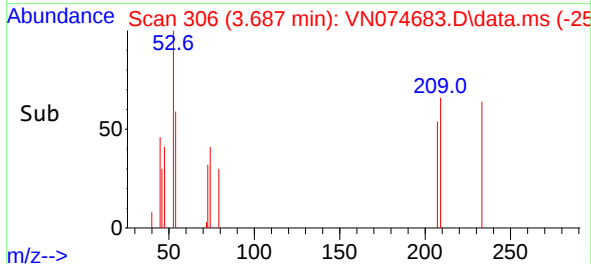
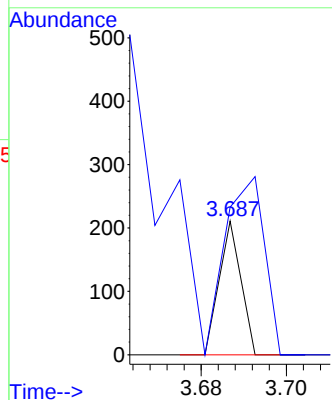
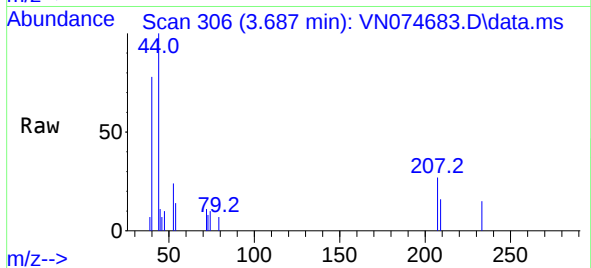




#8
Diethyl Ether
Concen: Below Cal
RT: 3.687 min Scan# 304
Delta R.T. 0.012 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

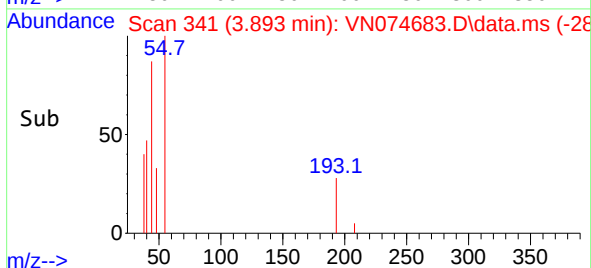
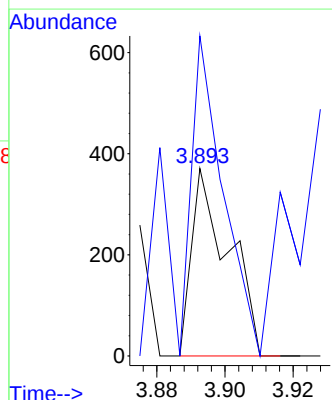
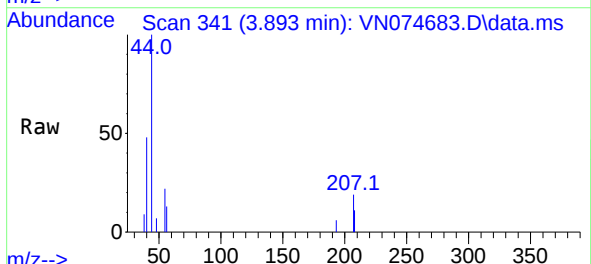
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

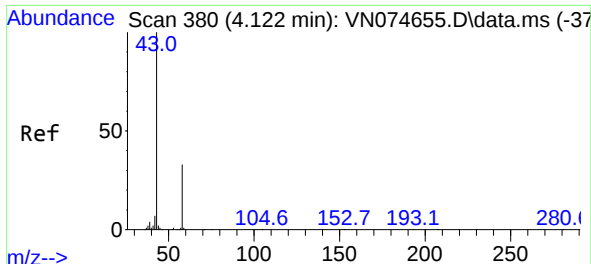
Tgt Ion: 74 Resp: 74
Ion Ratio Lower Upper
74 100
45 244.6 42.9 128.5#



#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 199.6 54.8 82.2#

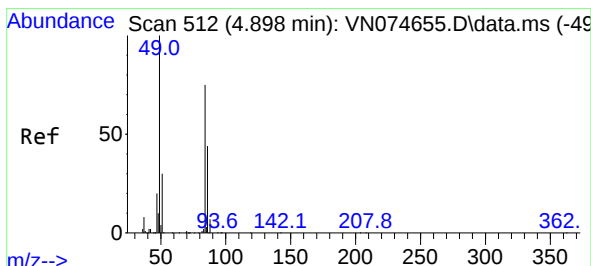
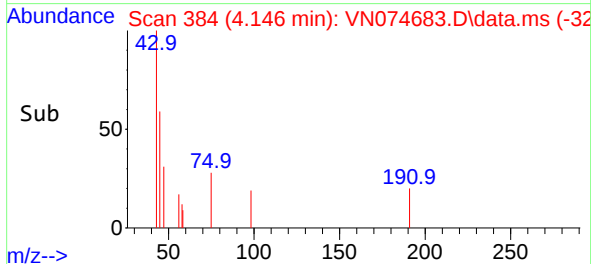
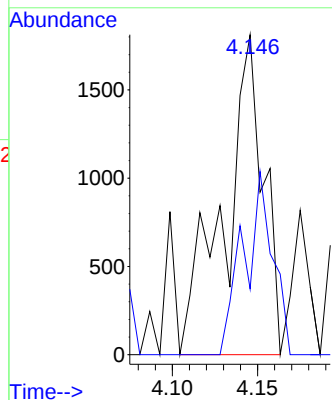
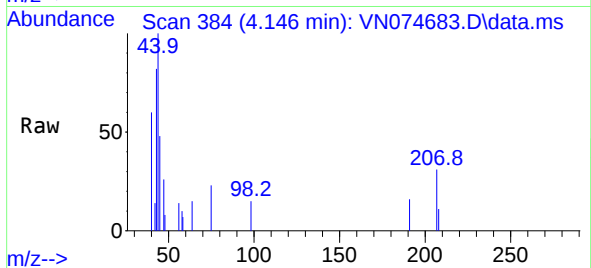




#16
Acetone
Concen: Below Cal
RT: 4.146 min Scan# 31
Delta R.T. 0.024 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

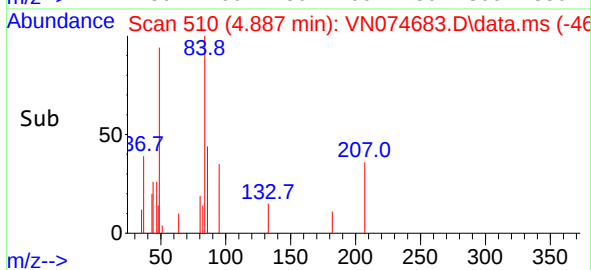
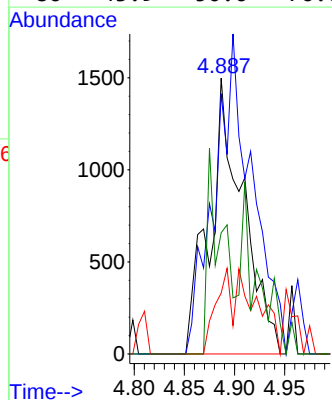
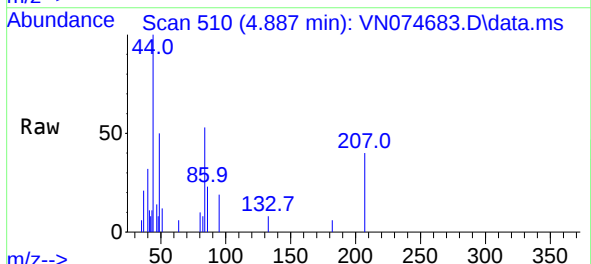
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

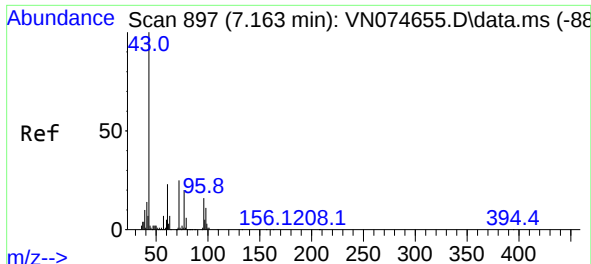
Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
58 20.6 26.0 39.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.887 min Scan# 510
Delta R.T. -0.011 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 84 Resp: 3472
Ion Ratio Lower Upper
84 100
49 94.4 88.3 132.5
51 22.0 28.2 42.2#
86 43.9 50.6 76.0#

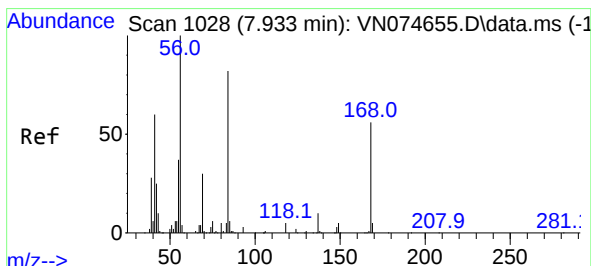
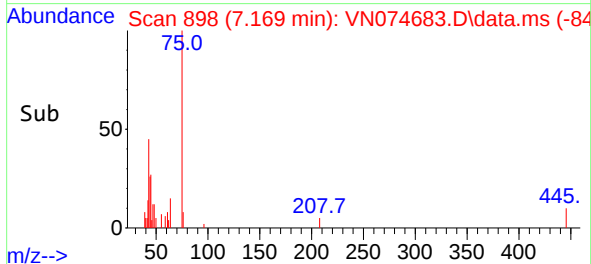
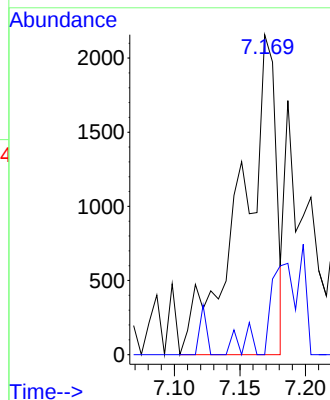
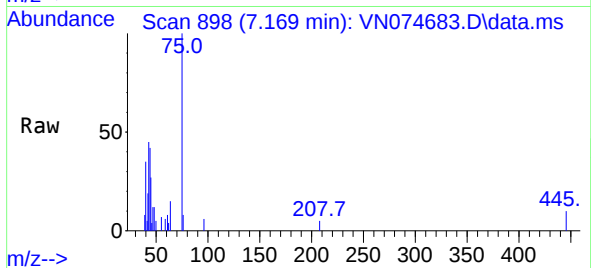




#25
2-Butanone
Concen: 0.307 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

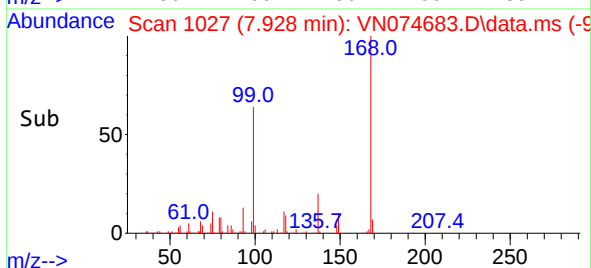
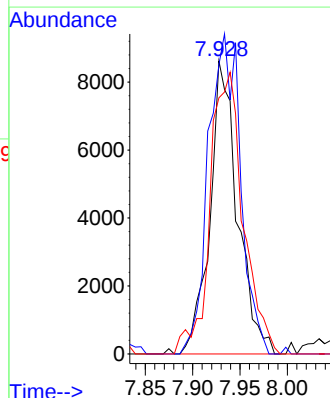
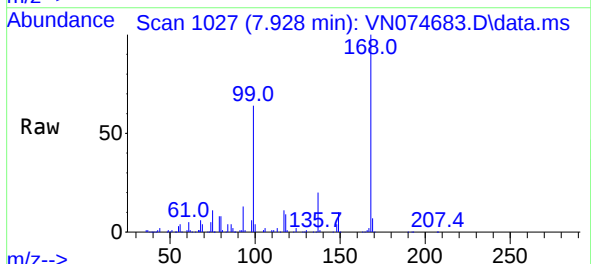
Instrument :
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ClientSampleId :
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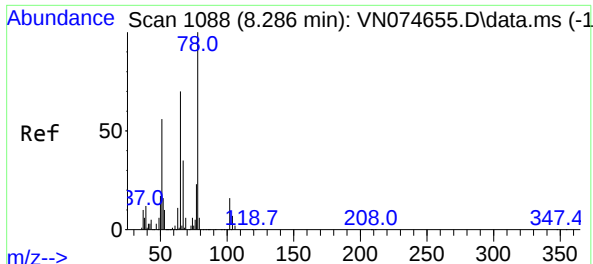
Tgt Ion: 43 Resp: 3973
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 0.766 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.005 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 56 Resp: 17494
Ion Ratio Lower Upper
56 100
69 98.8 27.8 41.8#
84 87.5 76.9 115.3

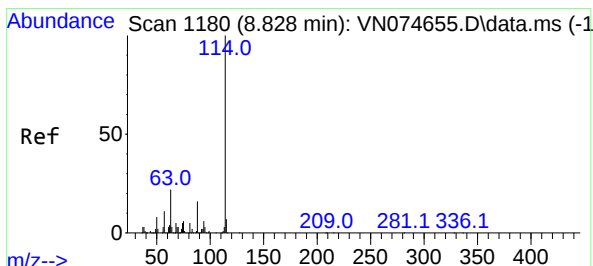
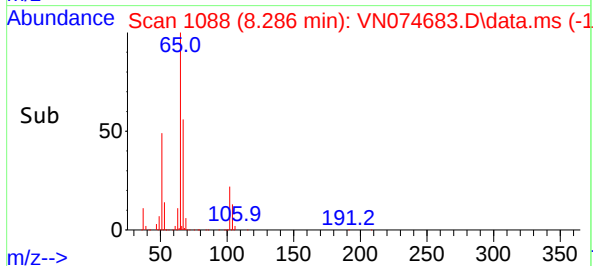
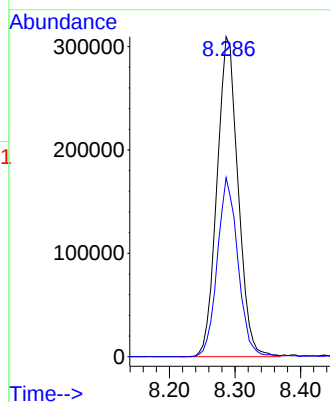
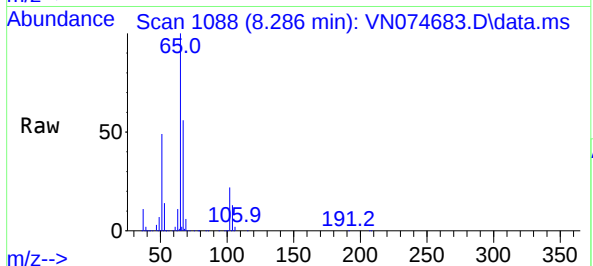




#33
1,2-Dichloroethane-d4
Concen: 49.112 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

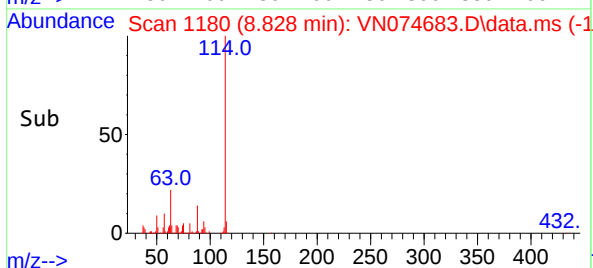
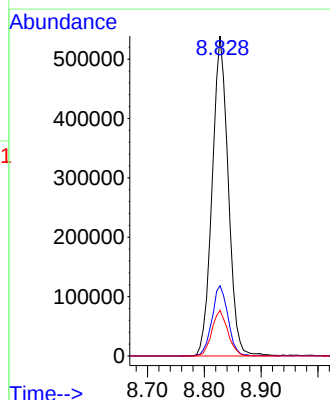
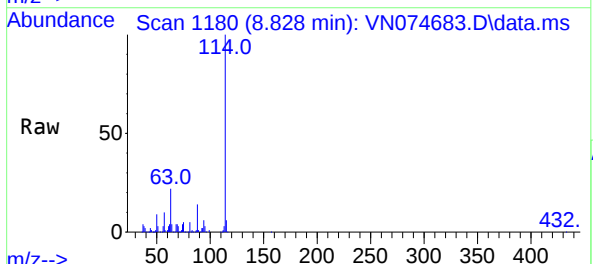
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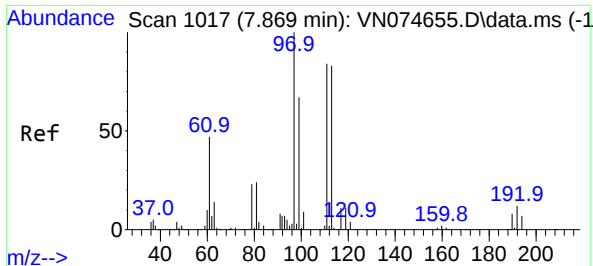
Tgt Ion: 65 Resp: 689953
Ion Ratio Lower Upper
65 100
67 54.6 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion:114 Resp: 1054333
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.0
88 14.3 0.0 32.6

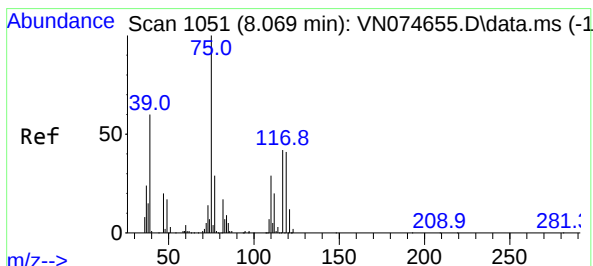
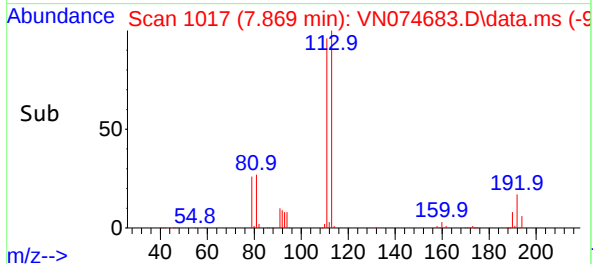
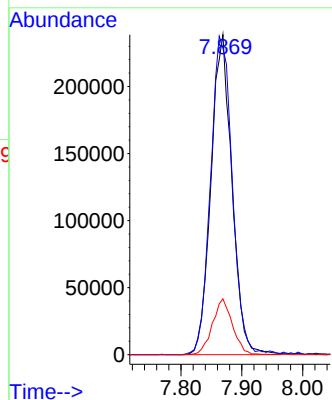
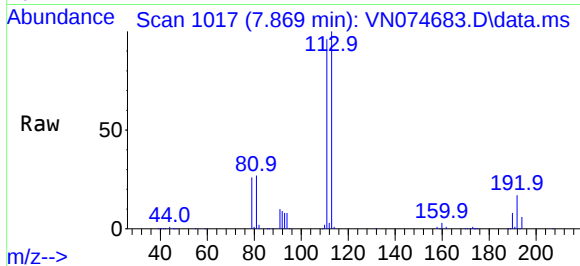




#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

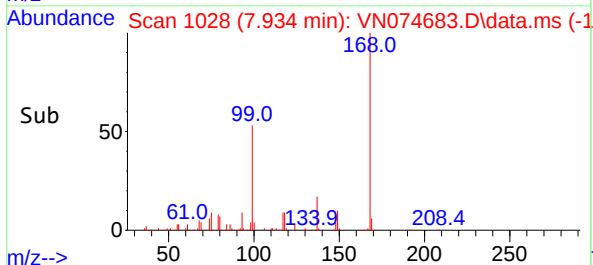
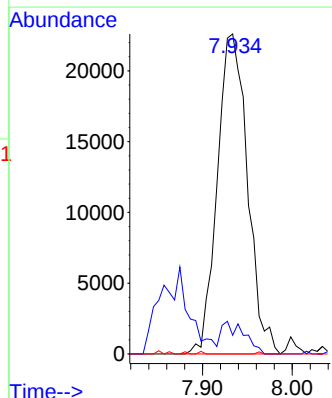
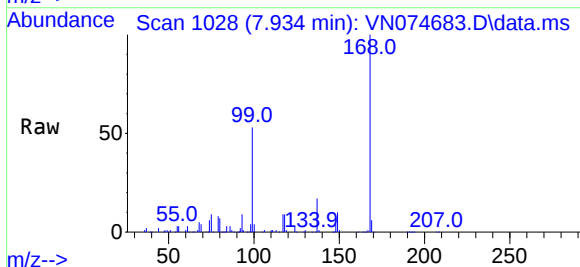
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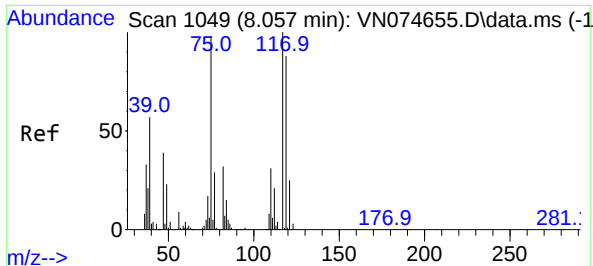
Tgt Ion:113 Resp: 570079
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 16.8 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 2.958 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 75 Resp: 52870
Ion Ratio Lower Upper
75 100
110 7.6 18.3 54.8#
77 0.0 25.1 37.7#

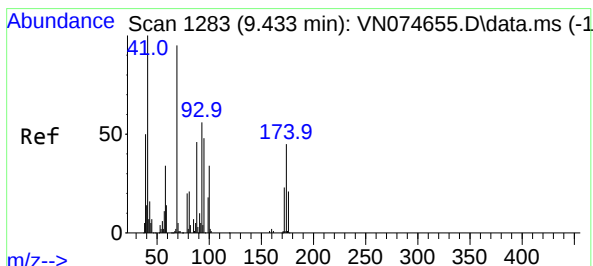
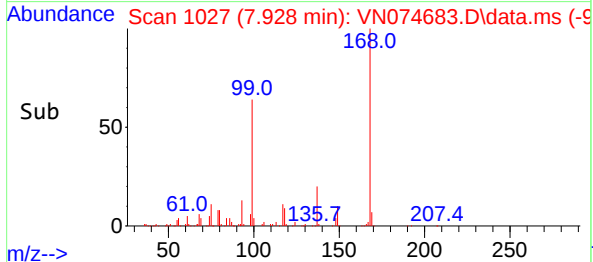
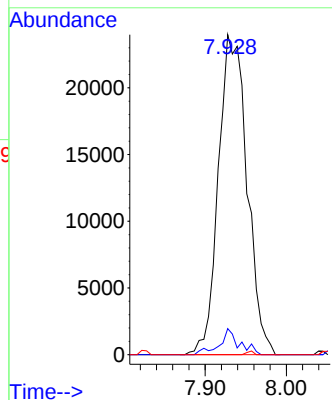
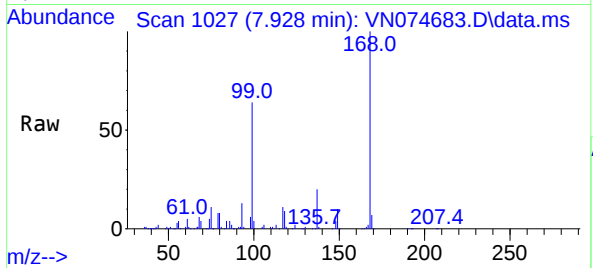




#38
Carbon Tetrachloride
Concen: 3.588 ug/l
RT: 7.928 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

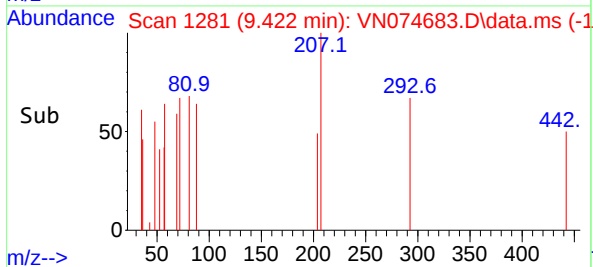
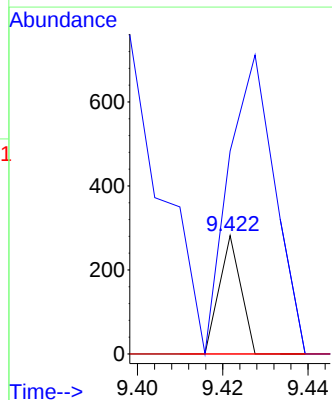
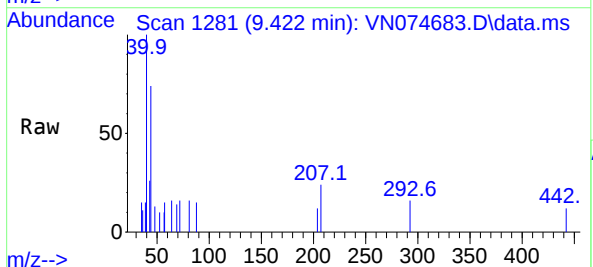
Instrument :
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VN0930WBL02

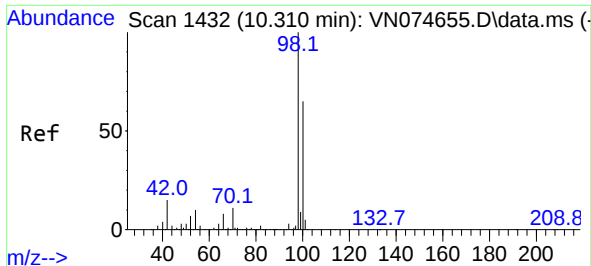
Tgt Ion:117 Resp: 58748
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.298 ug/l
RT: 9.422 min Scan# 1281
Delta R.T. -0.011 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 540.4 20.2 30.4#
58 0.0 54.2 81.4#

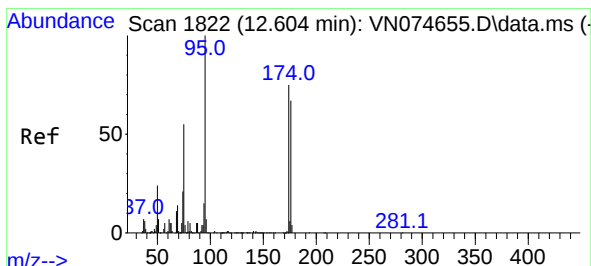
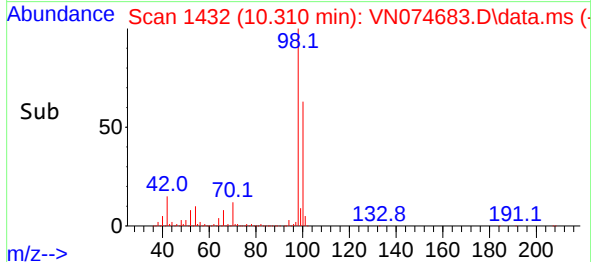
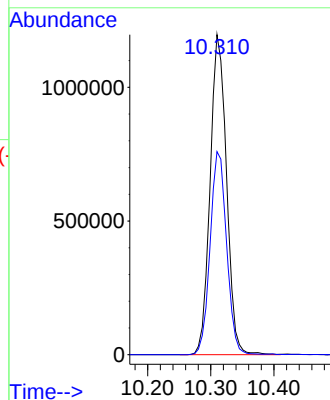
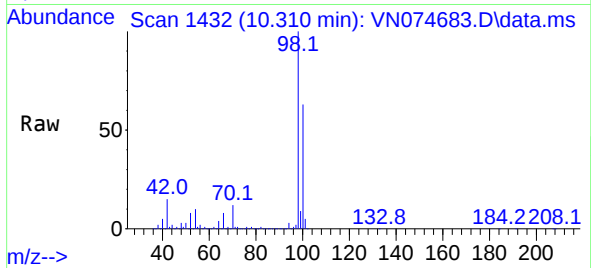




#50
Toluene-d8
Concen: 45.978 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

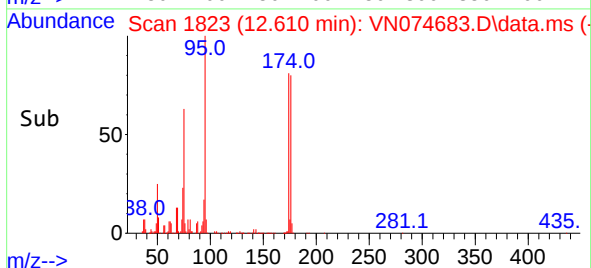
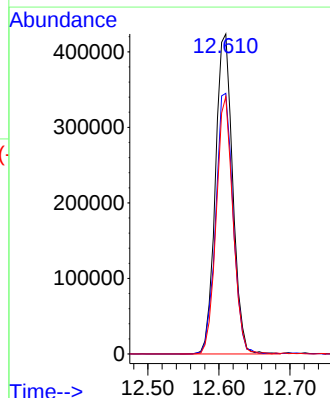
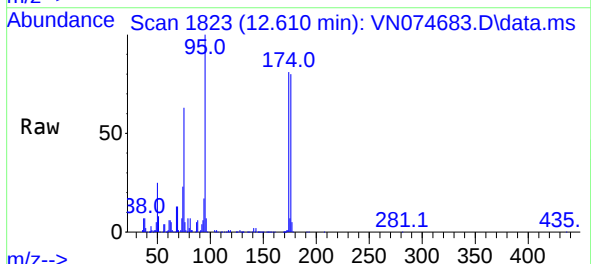
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

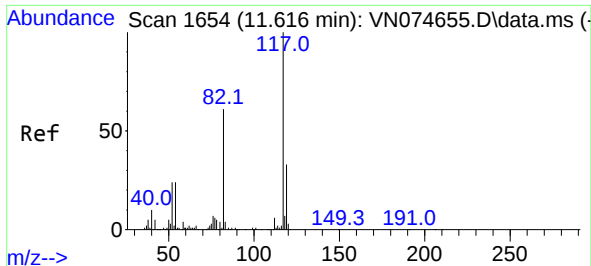
Tgt Ion: 98 Resp: 2158234
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.918 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 95 Resp: 713231
Ion Ratio Lower Upper
95 100
174 81.8 0.0 167.6
176 77.2 0.0 163.4

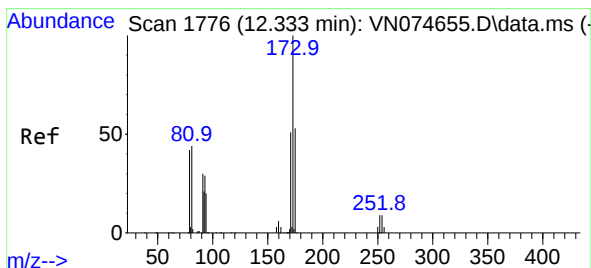
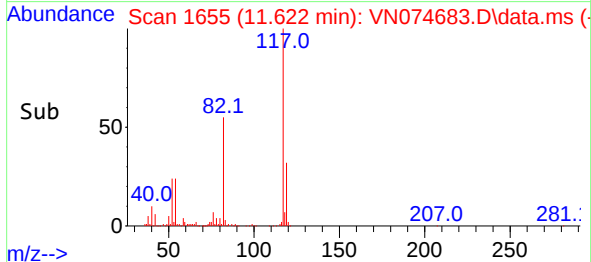
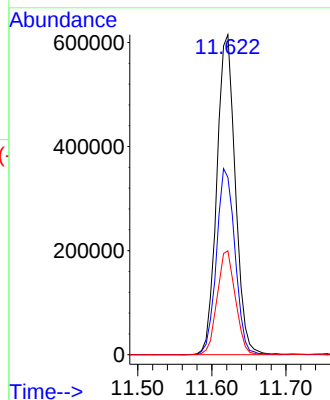
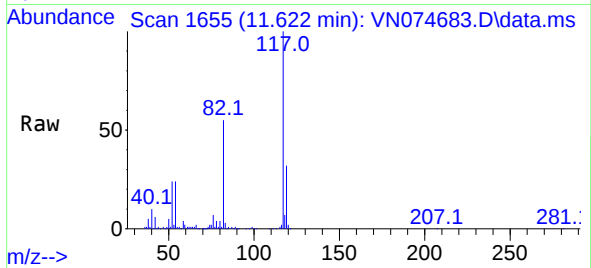




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

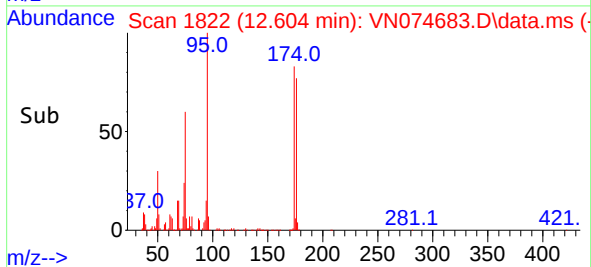
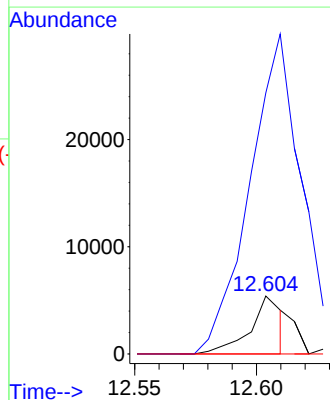
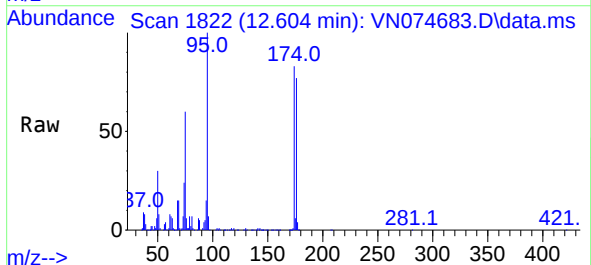
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

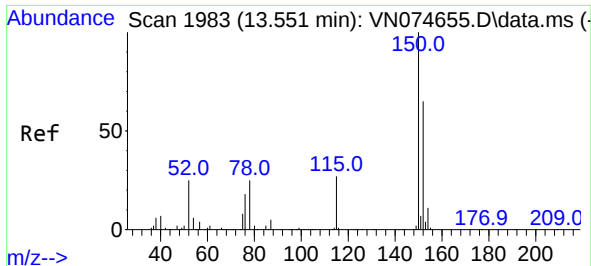
Tgt Ion:117 Resp: 1065009
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.535 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion:173 Resp: 4876
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

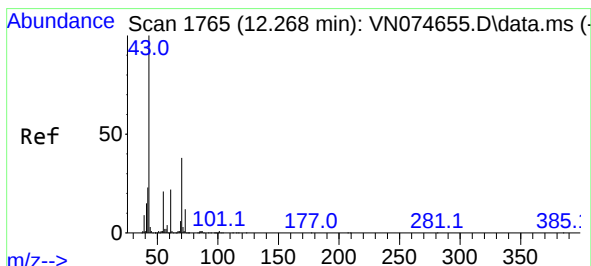
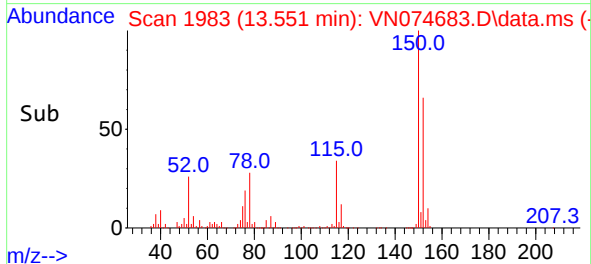
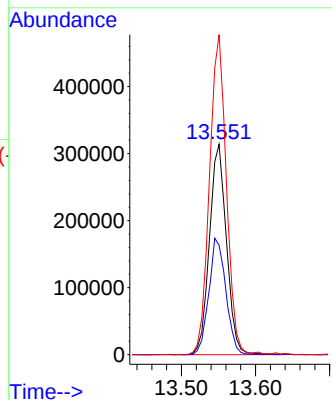
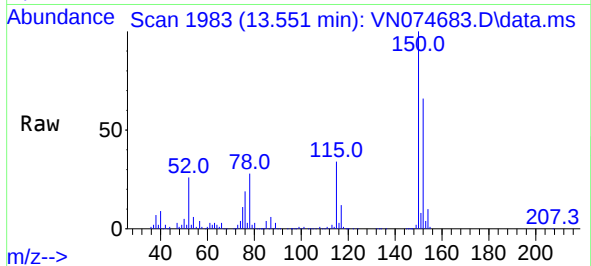




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

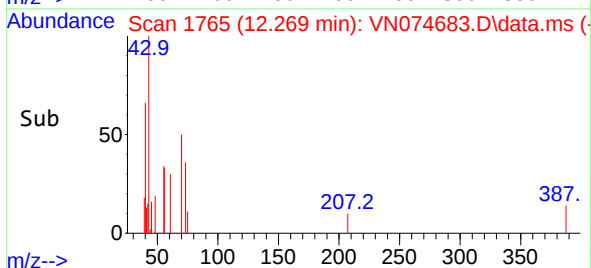
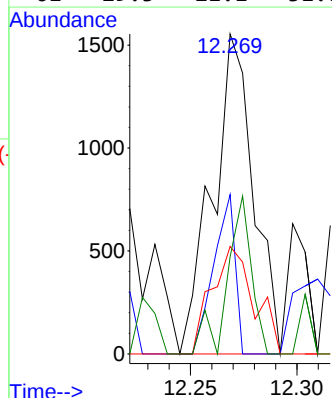
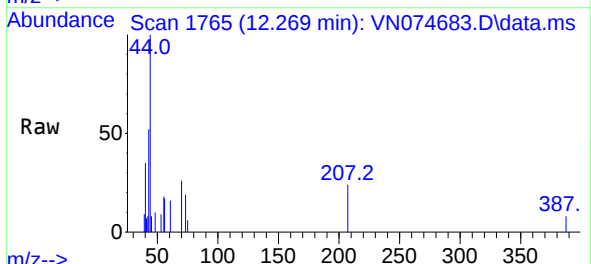
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

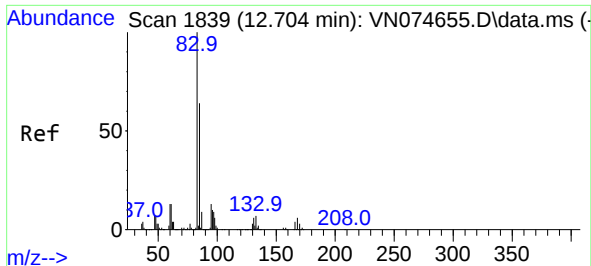
Tgt Ion:152 Resp: 502397
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 151.0 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.269 min Scan# 1765
Delta R.T. 0.001 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
70 26.0 39.0 58.4#
55 34.8 21.1 31.7#
61 29.3 21.1 31.7

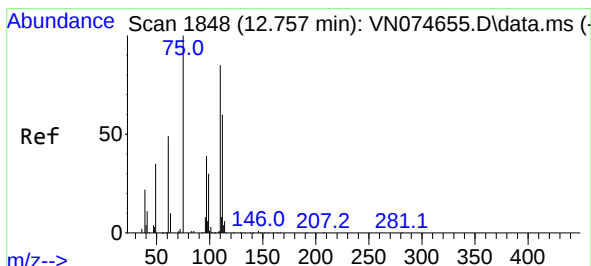
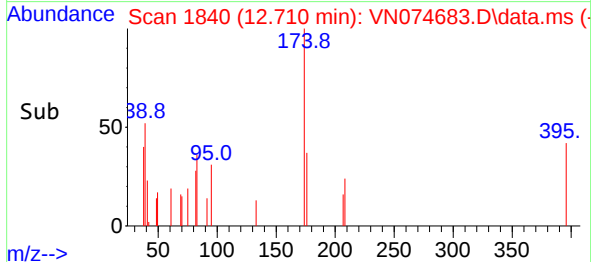
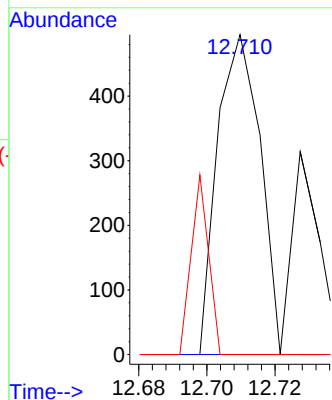
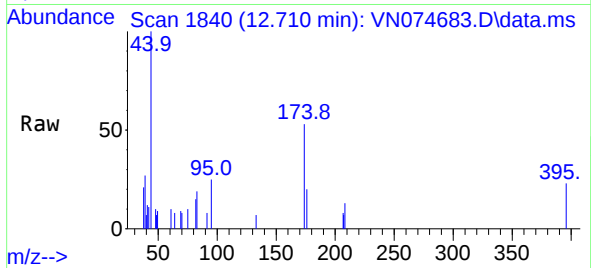




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.710 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

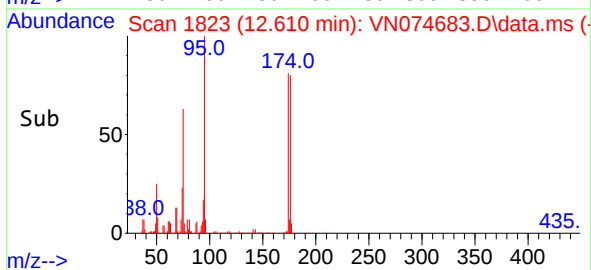
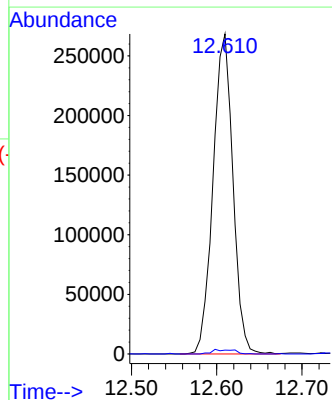
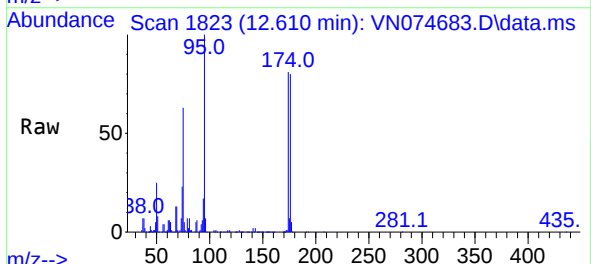
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

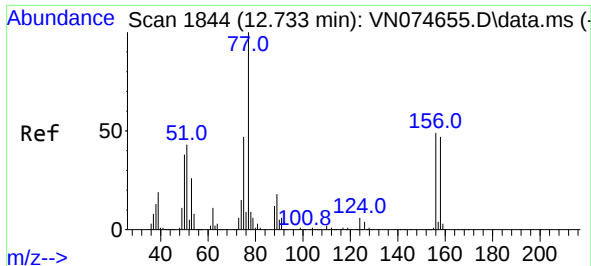
Tgt Ion: 83 Resp: 430
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 22.8 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 38.118 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. -0.147 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 75 Resp: 434546
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#

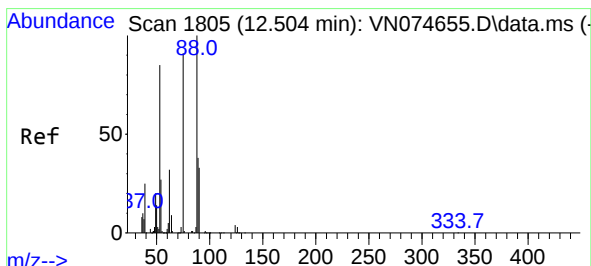
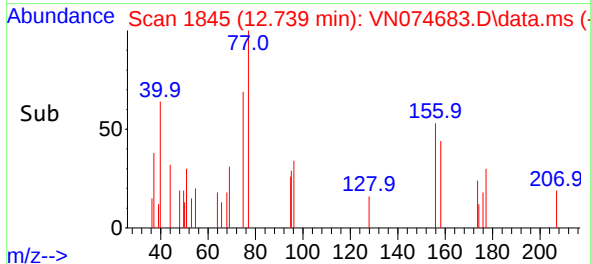
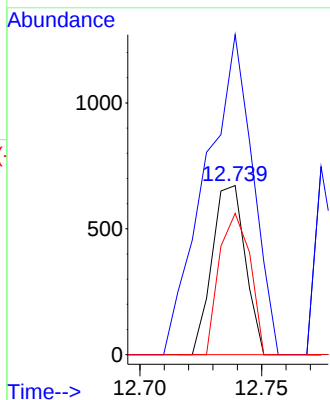
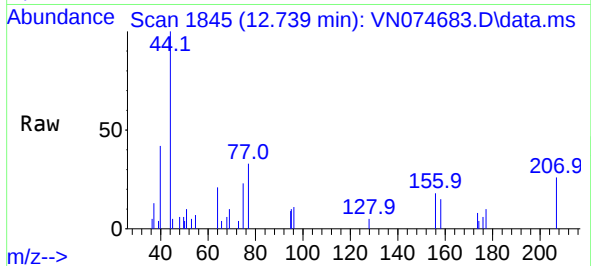




#77
Bromobenzene
Concen: Below Cal
RT: 12.739 min Scan# 1844
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

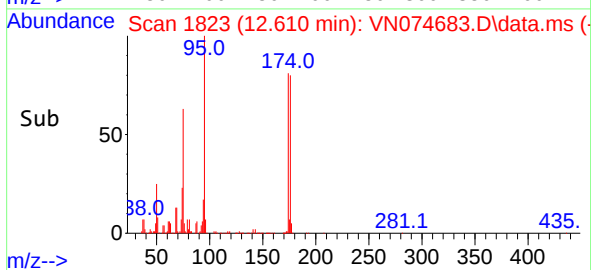
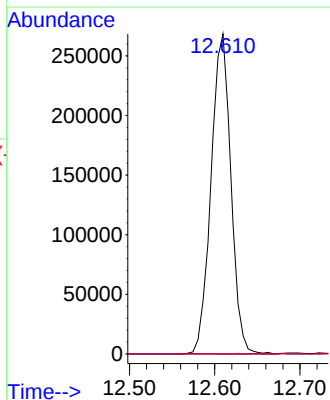
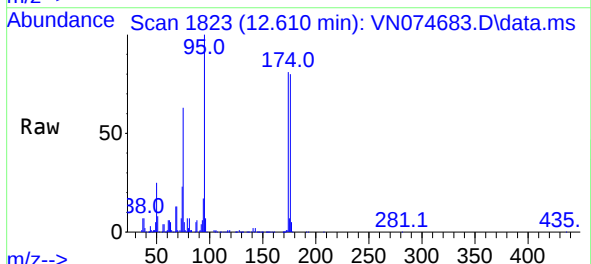
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

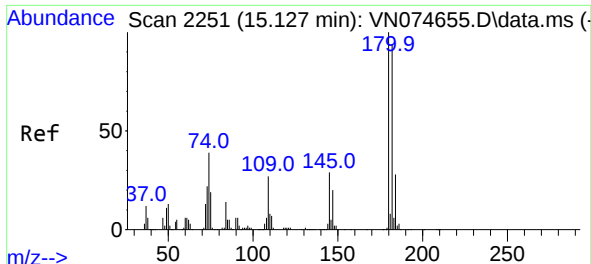
Tgt Ion:156 Resp: 638
Ion Ratio Lower Upper
156 100
77 269.4 100.5 301.5
158 77.3 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 72.281 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.106 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion: 75 Resp: 434546
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

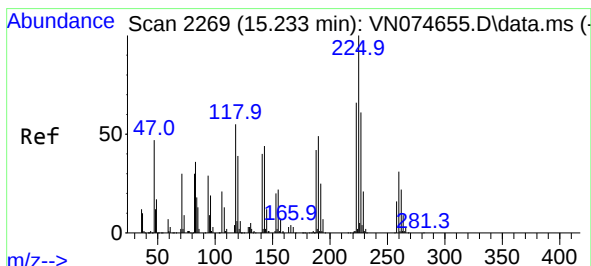
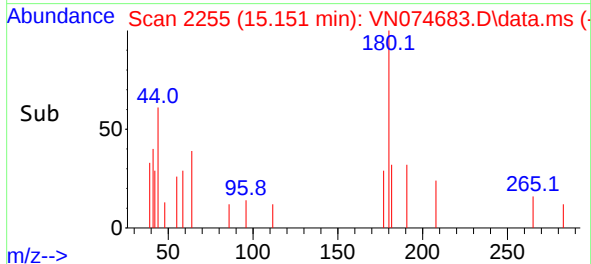
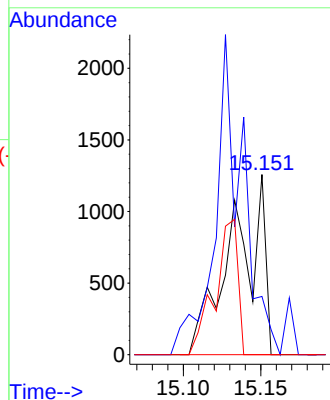
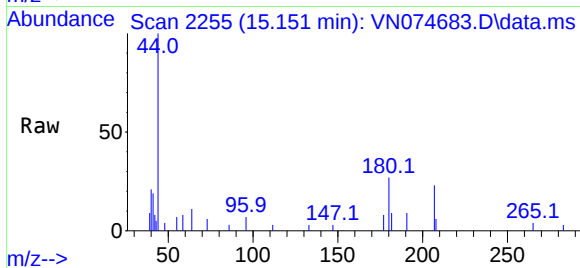




#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 15.151 min Scan# 21
Delta R.T. 0.024 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

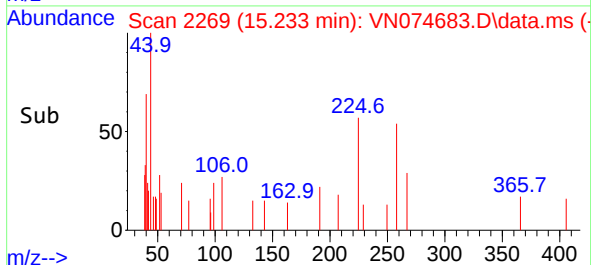
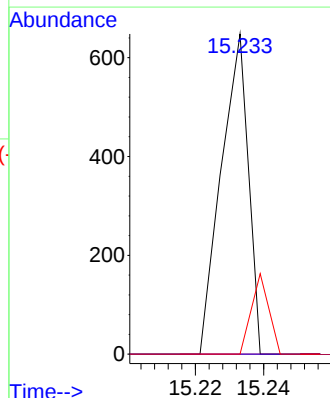
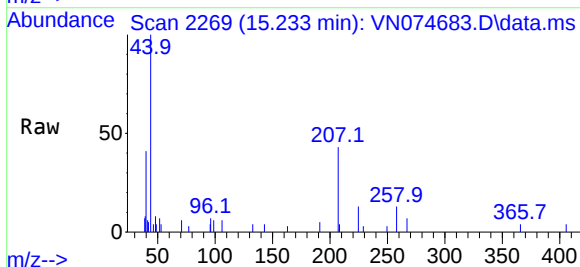
Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

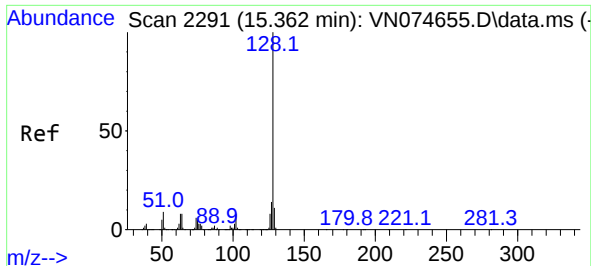
Tgt Ion:180 Resp: 1791
Ion Ratio Lower Upper
180 100
182 7.8 47.5 142.5#
145 0.0 14.5 43.5#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.233 min Scan# 2269
Delta R.T. 0.000 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion:225 Resp: 357
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 16.2 31.8 95.4#

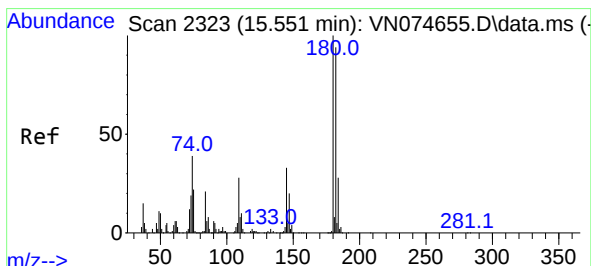
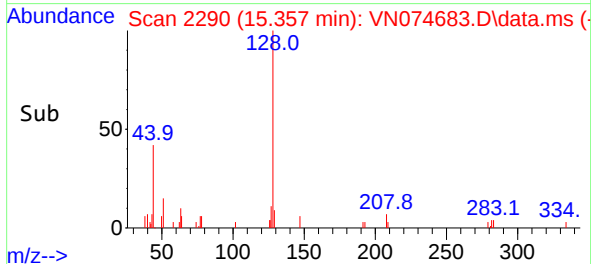
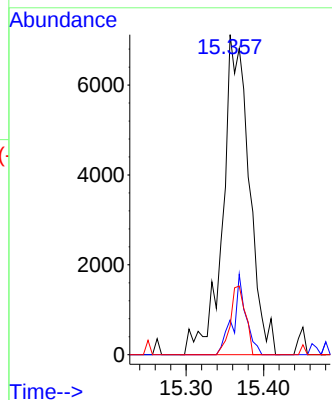
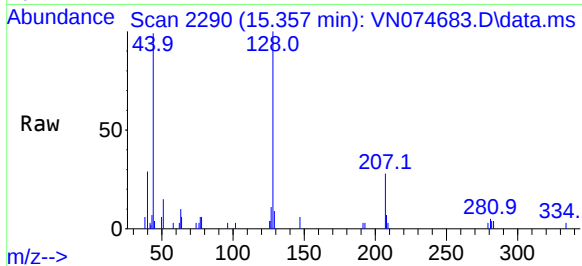




#95
Naphthalene
Concen: 0.505 ug/l
RT: 15.357 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBL02

Tgt Ion:	128	Resp:	16849
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	12.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.389 ug/l
RT: 15.557 min Scan# 2324
Delta R.T. 0.006 min
Lab File: VN074683.D
Acq: 01 Oct 2022 02:22

Tgt Ion:	180	Resp:	3301
Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.8	143.3
145	10.4	15.5	46.5#

