

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012420.D
 Acq On : 31 Jan 2023 15:11
 Operator : KP/MD
 Sample : 01355-02RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOCRE

Quant Time: Feb 01 01:24:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

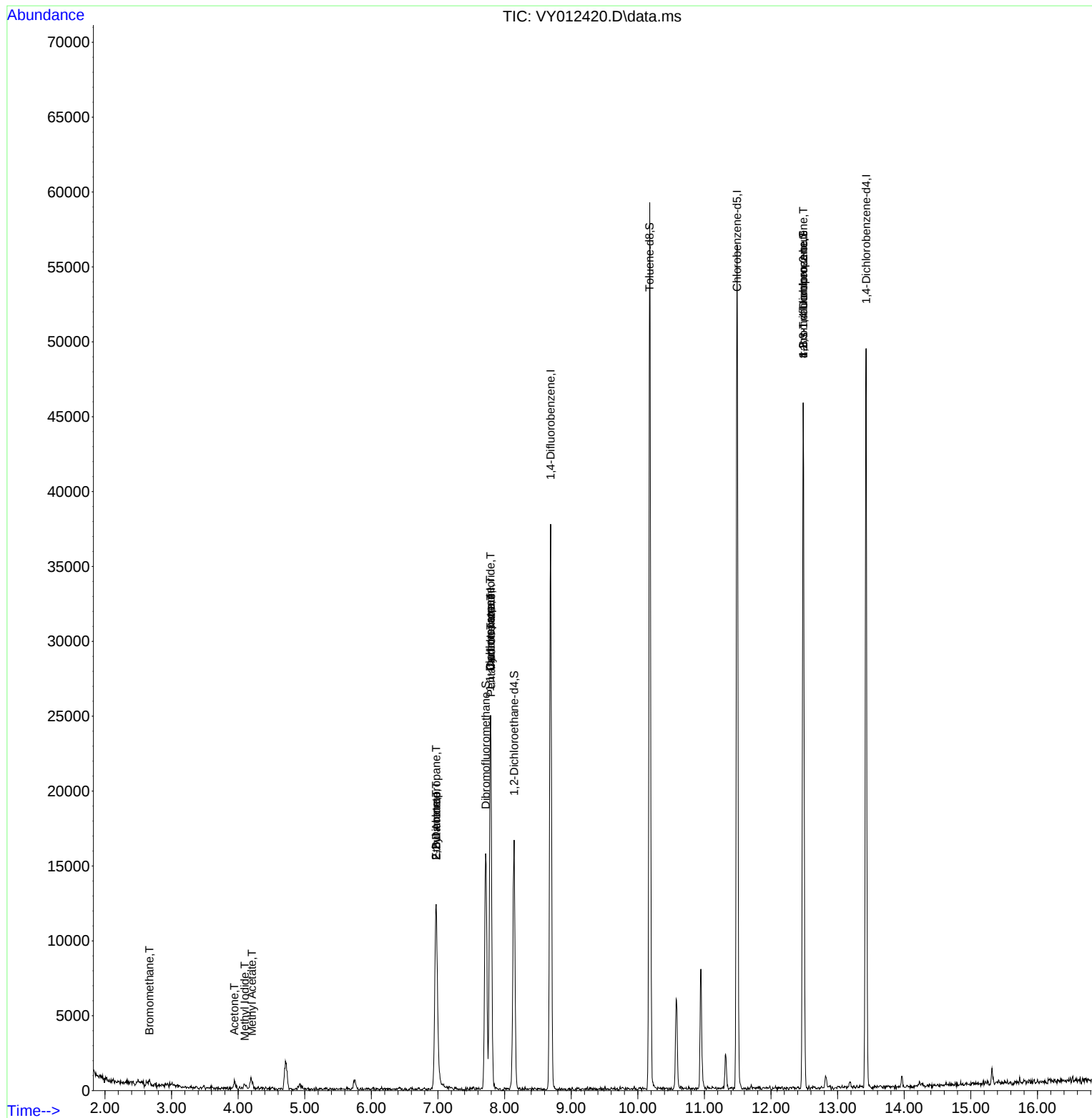
Internal Standards						
1) Pentafluorobenzene	7.795	168	20581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	34260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	33889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	13728	83.073	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.140%#			
35) Dibromofluoromethane	7.716	113	10990	60.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.160%			
50) Toluene-d8	10.179	98	40865	66.440	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 132.880%			
62) 4-Bromofluorobenzene	12.483	95	12340	48.254	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.500%			
Target Compounds						Qvalue
5) Bromomethane	2.668	94	162	1.081	ug/l	81
10) Methyl Iodide	4.101	142	547	1.955	ug/l #	85
11) Tert butyl alcohol	4.948	59	225	Below Cal	#	74
16) Acetone	3.942	43	757	13.209	ug/l	92
18) Methyl Acetate	4.204	43	178	1.388	ug/l #	50
20) Methylene Chloride	4.710	84	1546	Below Cal	#	76
25) 2-Butanone	6.972	43	466	7.365	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	1025	2.921	ug/l #	53
31) Cyclohexane	7.789	56	379	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1478	4.794	ug/l #	48
37) Ethyl Acetate	6.972	43	466	3.429	ug/l #	1
38) Carbon Tetrachloride	7.789	117	1901	4.774	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	6357	48.658	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6357	100.256	ug/l #	13

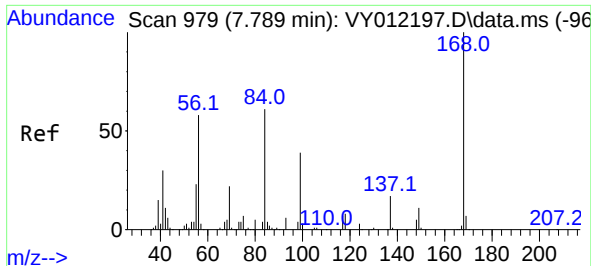
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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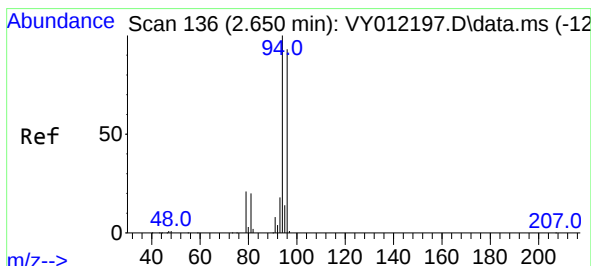
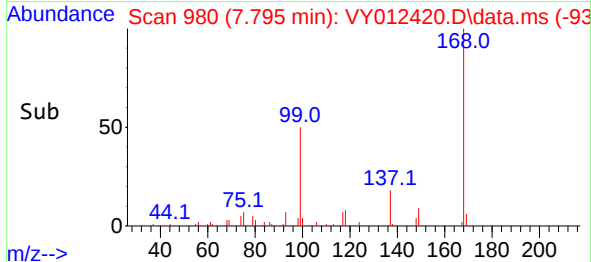
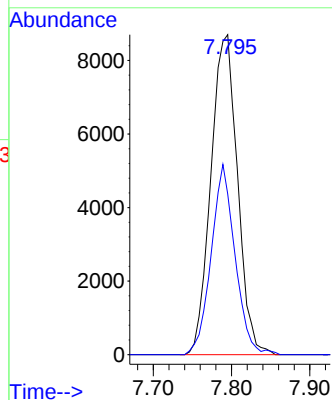
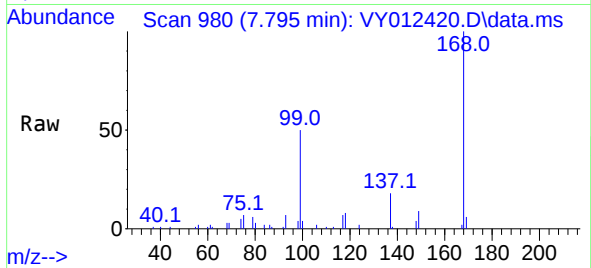




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

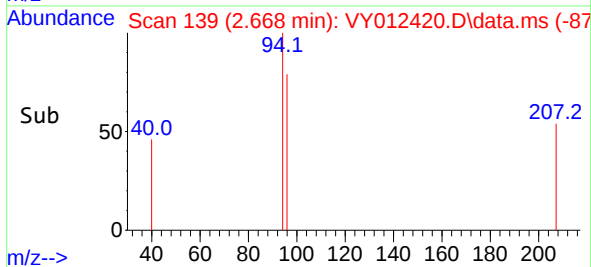
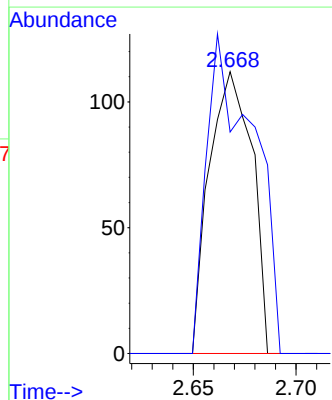
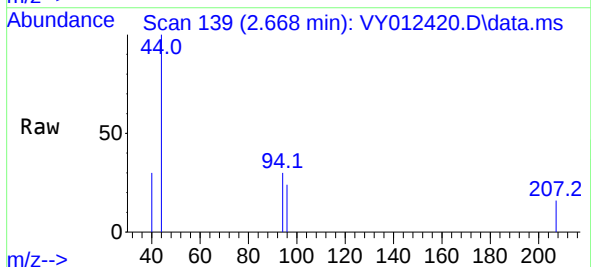
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

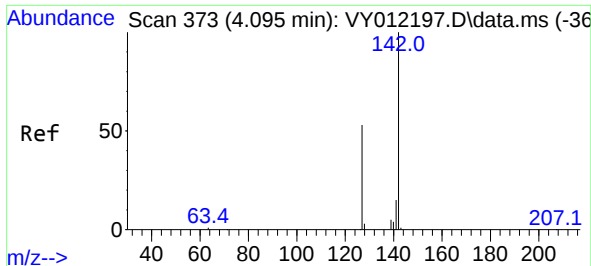
Tgt Ion:168 Resp: 20581
Ion Ratio Lower Upper
168 100
99 50.2 44.0 66.0



#5
Bromomethane
Concen: 1.081 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

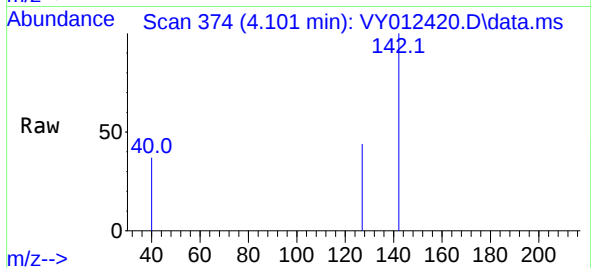
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 78.6 77.4 116.2



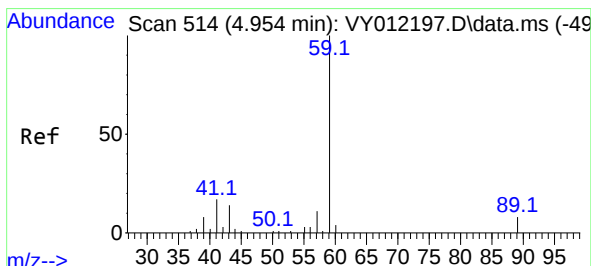
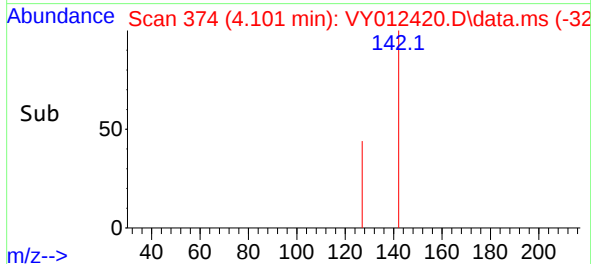
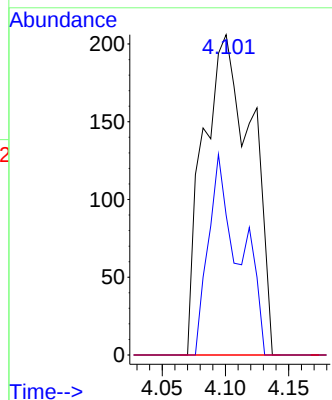


#10
Methyl Iodide
Concen: 1.955 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

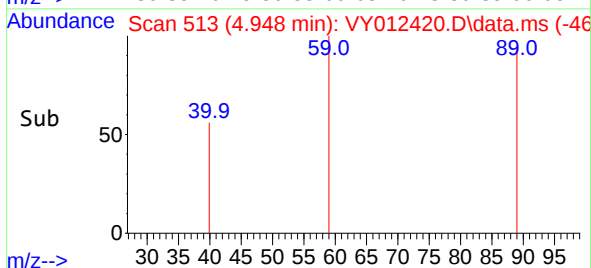
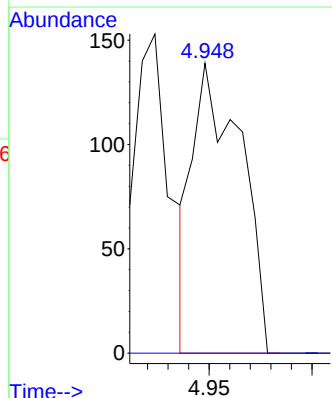
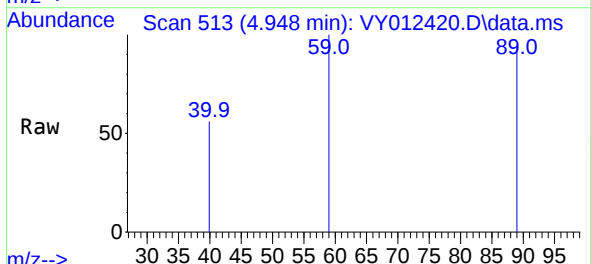


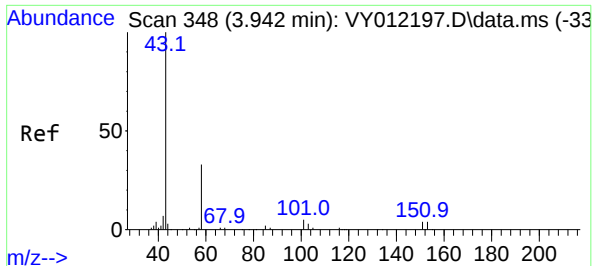
Tgt Ion:142 Resp: 547
Ion Ratio Lower Upper
142 100
127 40.2 37.0 55.4
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

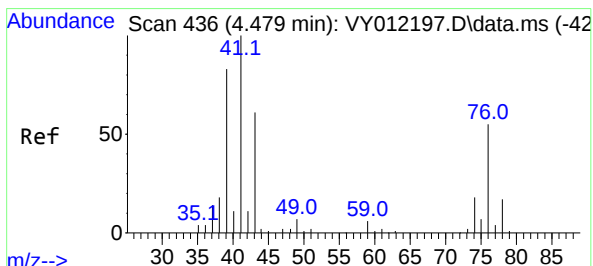
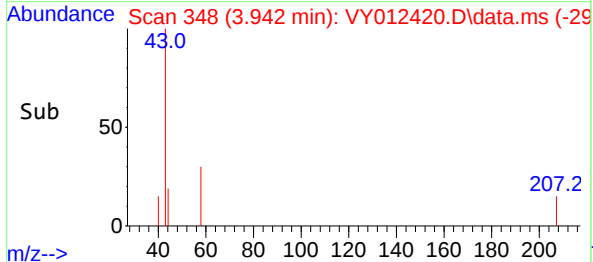
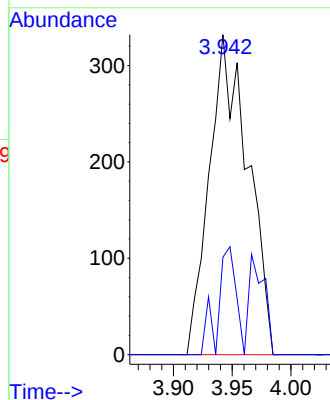
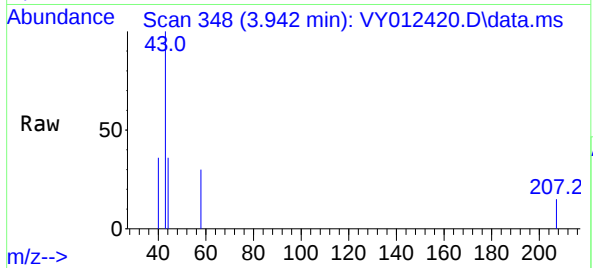




#16
Acetone
Concen: 13.209 ug/l
RT: 3.942 min Scan# 341
Delta R.T. 0.000 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

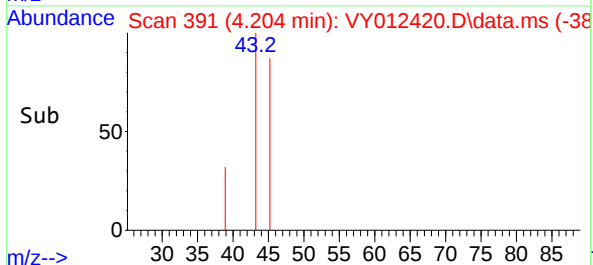
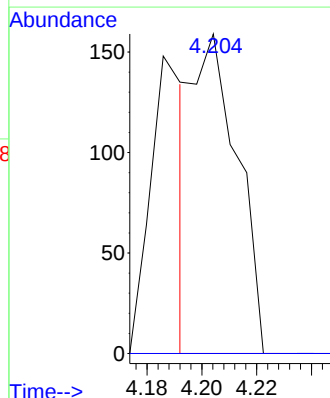
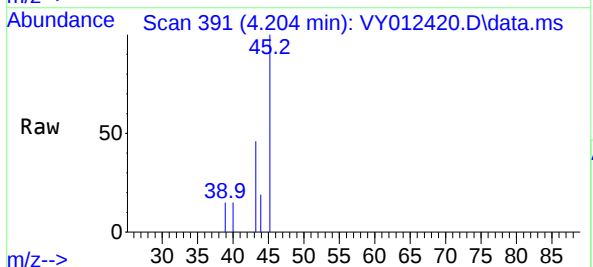
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

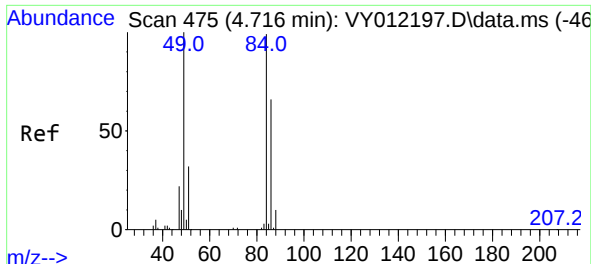
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 30.4 27.9 41.9



#18
Methyl Acetate
Concen: 1.388 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.269 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 43 Resp: 178
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



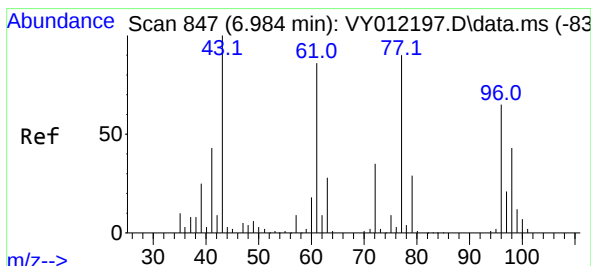
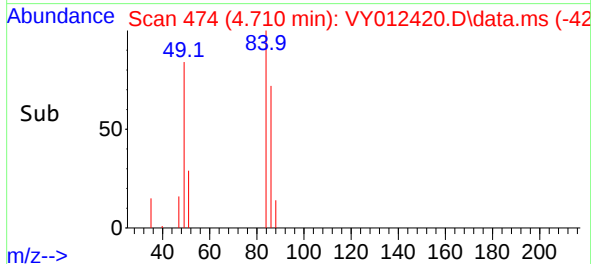
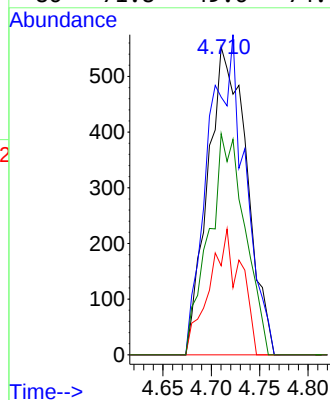
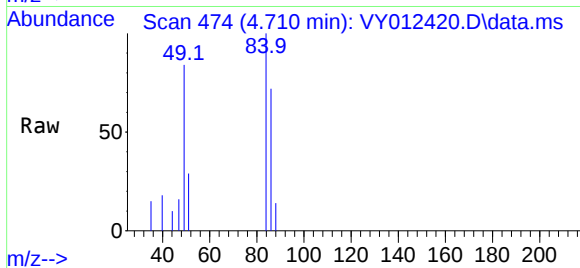


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 84 Resp: 1546

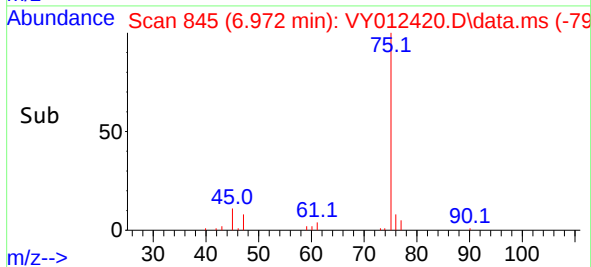
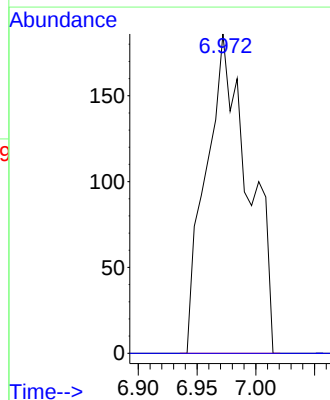
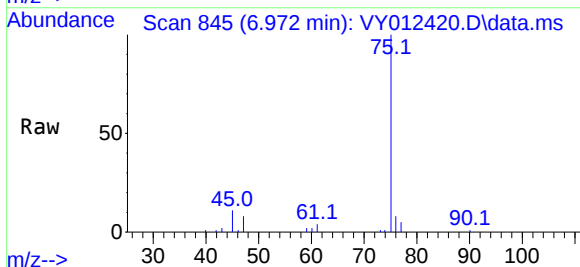
Ion	Ratio	Lower	Upper
84	100		
49	83.7	95.4	143.2#
51	28.9	29.9	44.9#
86	71.8	49.6	74.4

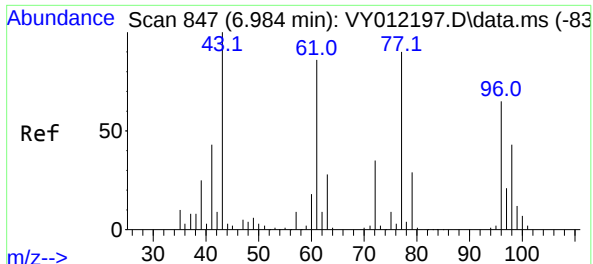


#25
2-Butanone
Concen: 7.365 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 43 Resp: 466

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

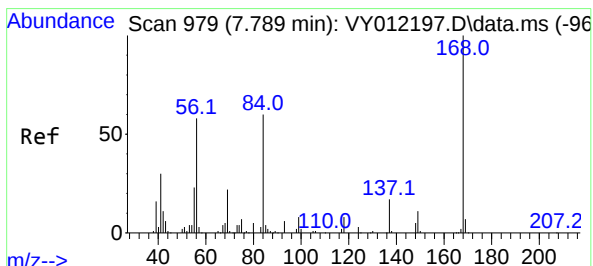
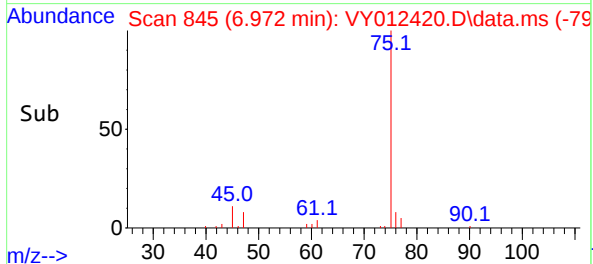
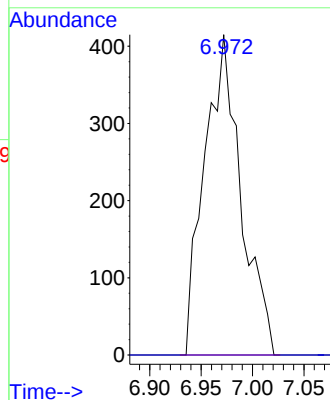
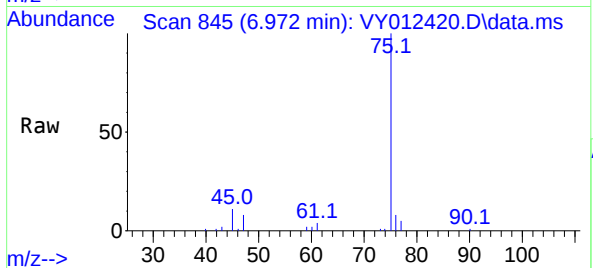




#26
2,2-Dichloropropane
Concen: 2.921 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

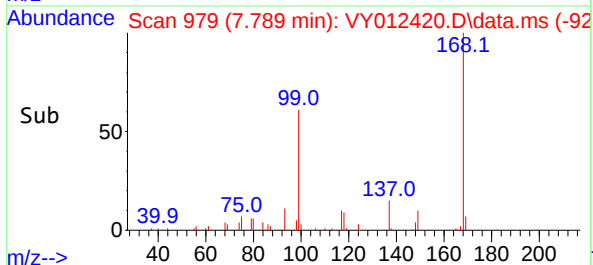
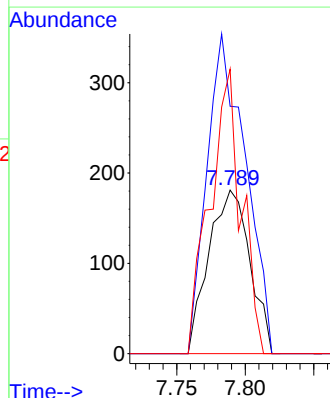
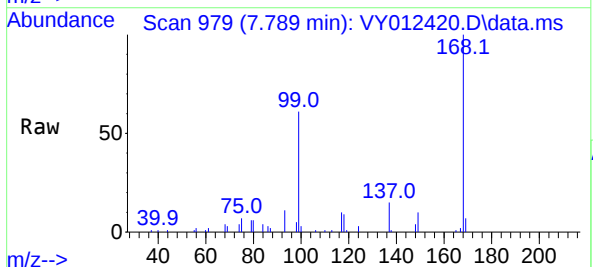
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

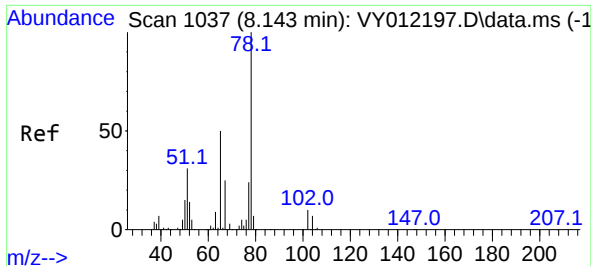
Tgt Ion: 77 Resp: 1025
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
69 151.4 29.2 43.8#
84 174.0 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 83.073 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012420.D

Acq: 31 Jan 2023 15:11

Instrument :

MSVOA_Y

ClientSampleId :

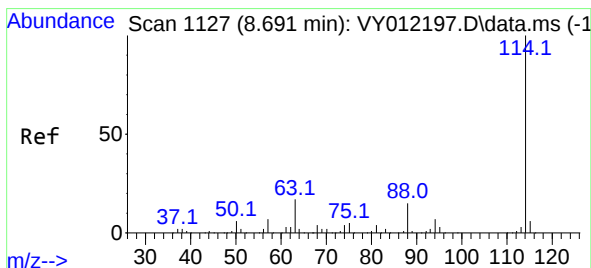
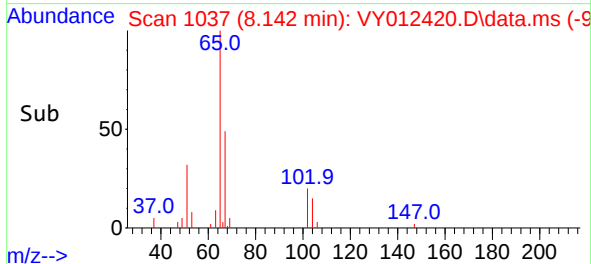
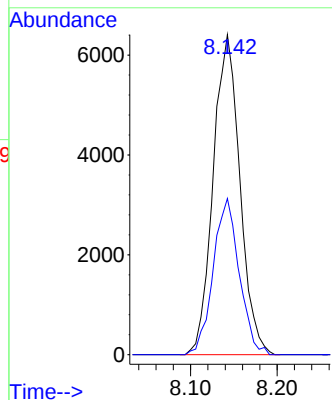
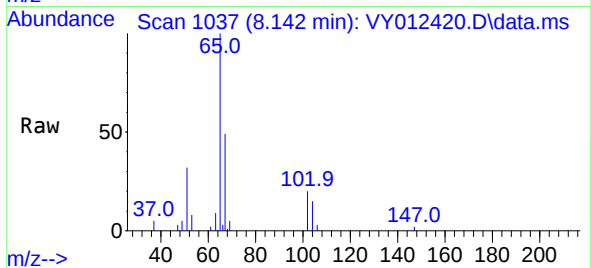
VOCRE

Tgt Ion: 65 Resp: 13728

Ion Ratio Lower Upper

65 100

67 47.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012420.D

Acq: 31 Jan 2023 15:11

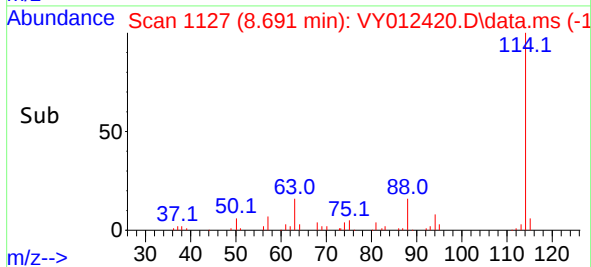
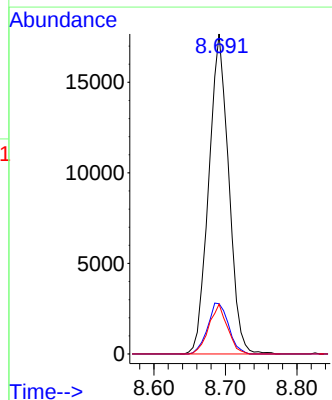
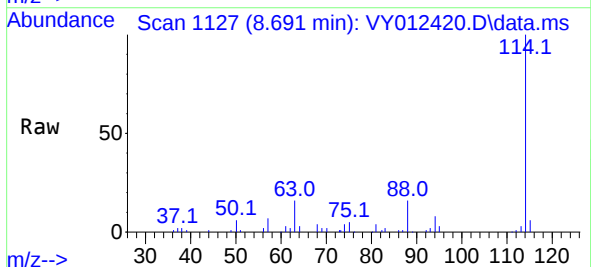
Tgt Ion:114 Resp: 34260

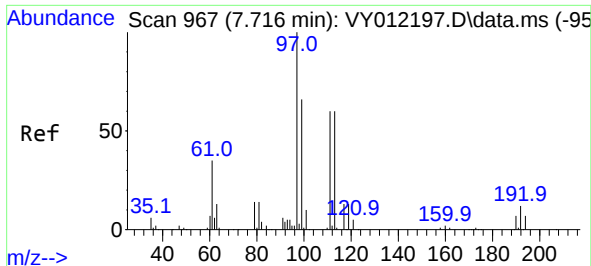
Ion Ratio Lower Upper

114 100

63 15.7 0.0 39.6

88 15.5 0.0 32.2

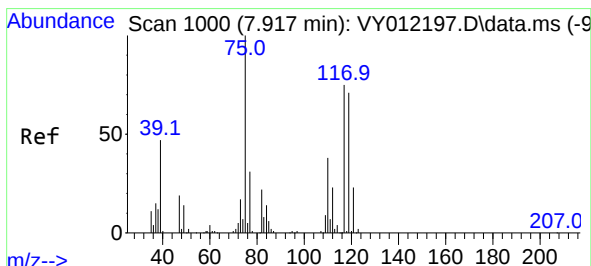
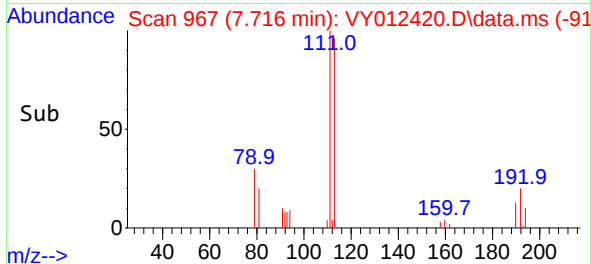
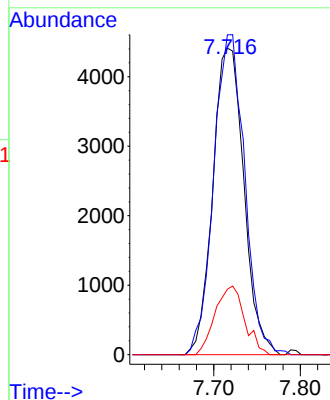
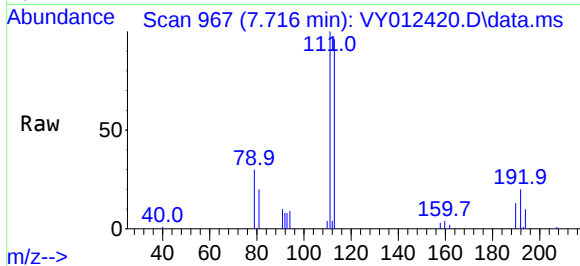




#35
Dibromofluoromethane
Concen: 60.582 ug/l
RT: 7.716 min Scan# 909
Delta R.T. -0.000 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

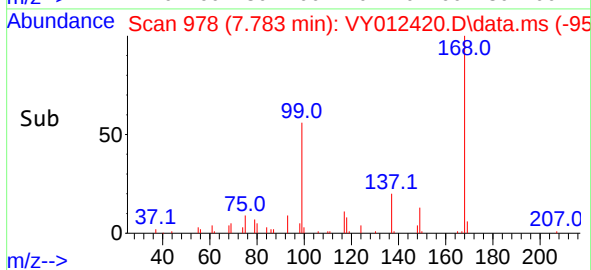
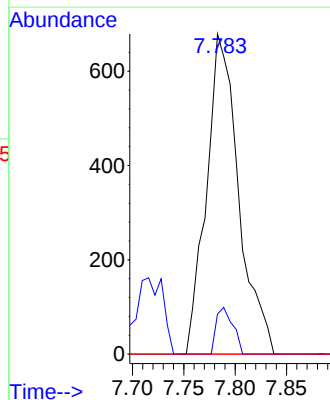
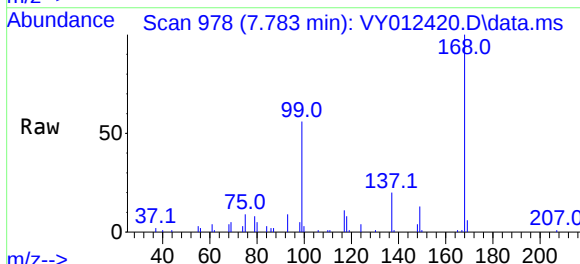
Instrument :
MSVOA_Y
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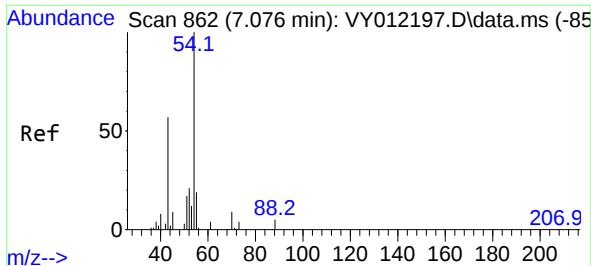
Tgt Ion:113 Resp: 10990
Ion Ratio Lower Upper
113 100
111 104.2 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.794 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 75 Resp: 1478
Ion Ratio Lower Upper
75 100
110 7.6 18.1 54.1#
77 0.0 25.1 37.7#

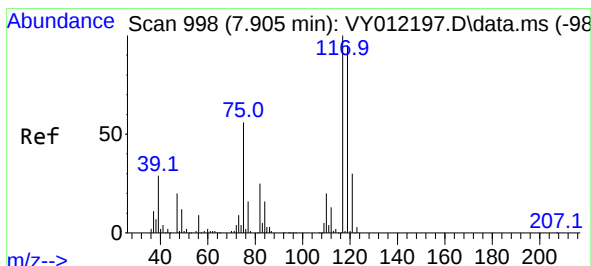
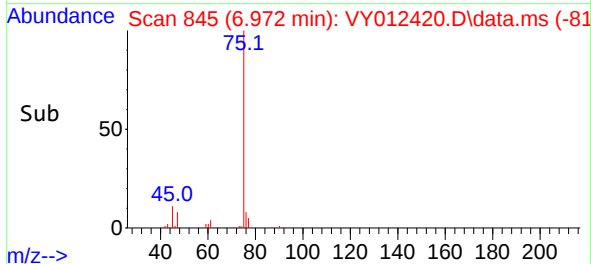
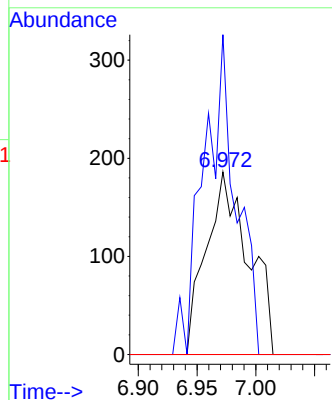
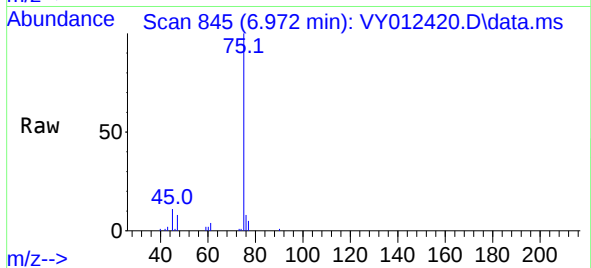




#37
Ethyl Acetate
Concen: 3.429 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.104 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

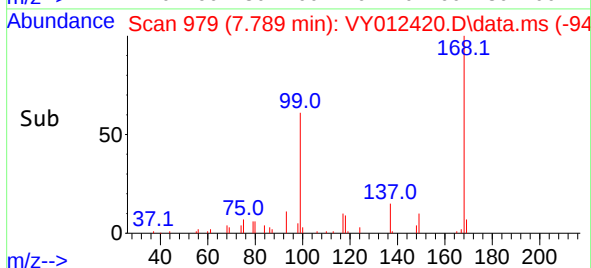
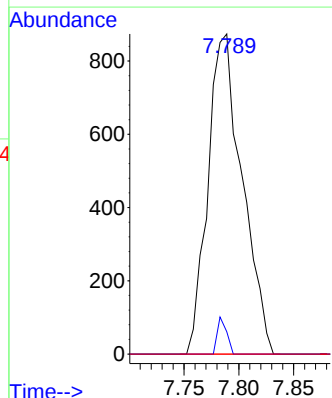
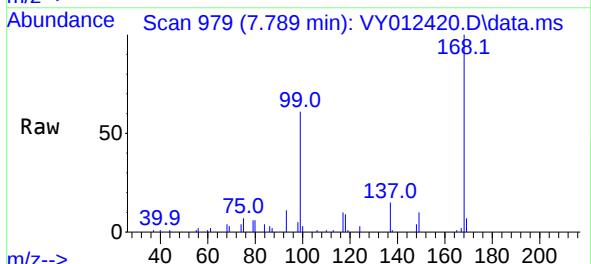
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

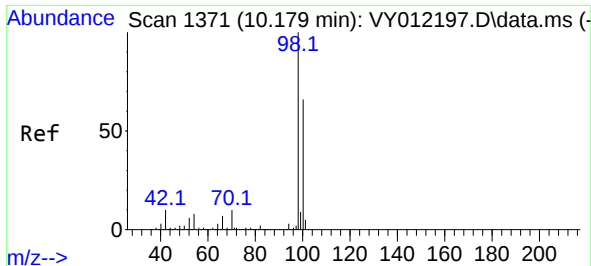
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
61 134.3 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 4.774 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 117 Resp: 1901
Ion Ratio Lower Upper
117 100
119 7.0 73.8 110.8#
121 0.0 25.2 37.8#

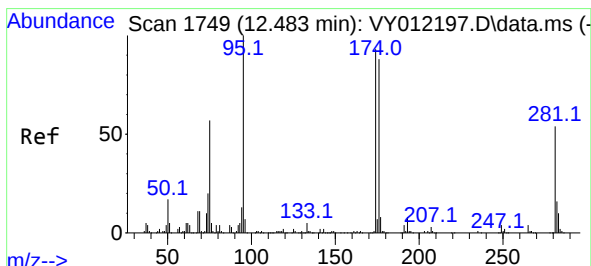
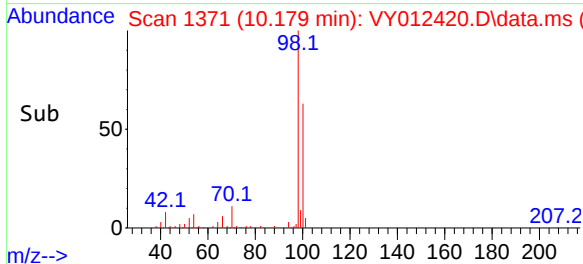
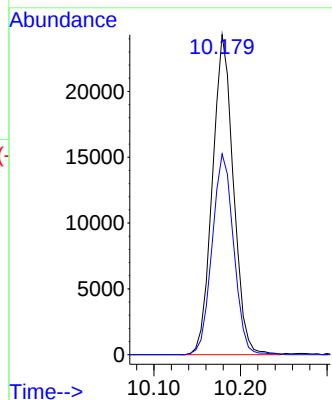
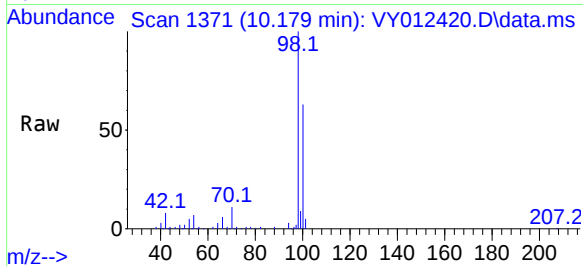




#50
Toluene-d8
Concen: 66.440 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

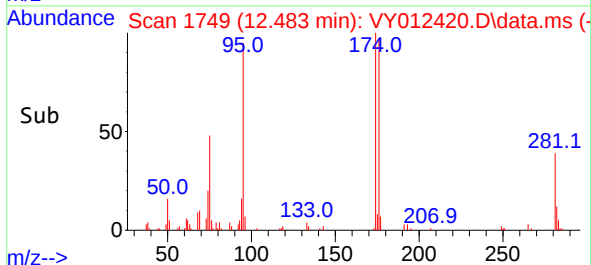
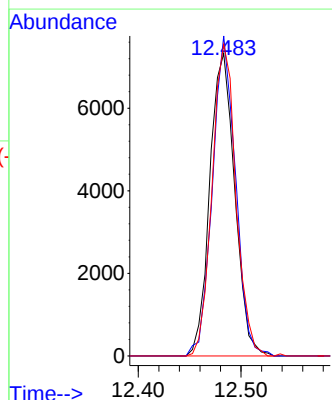
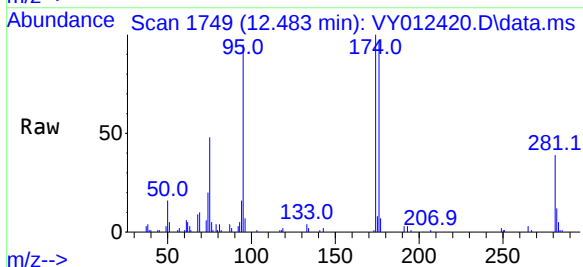
Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

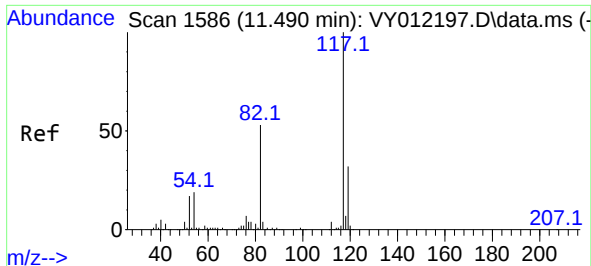
Tgt Ion: 98 Resp: 40865
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.254 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

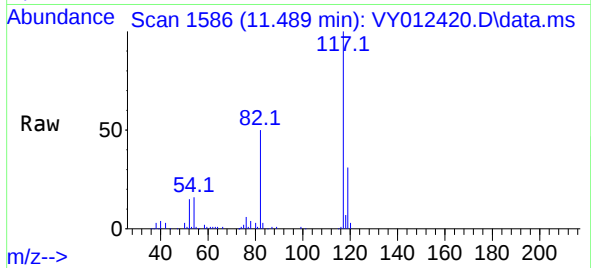
Tgt Ion: 95 Resp: 12340
Ion Ratio Lower Upper
95 100
174 97.5 0.0 172.0
176 98.1 0.0 167.6



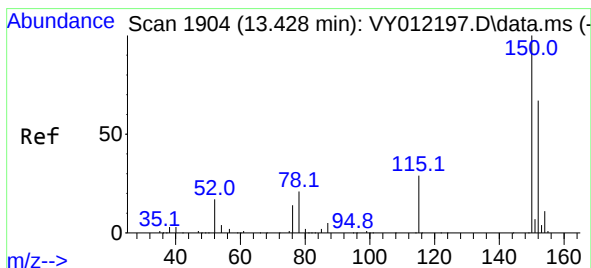
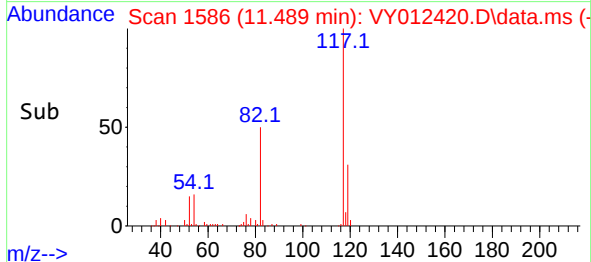
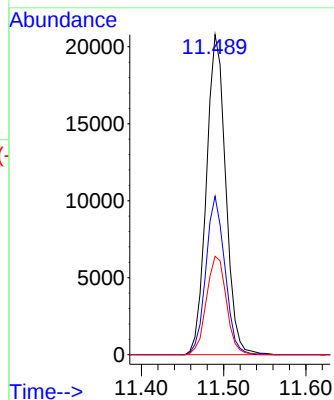


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

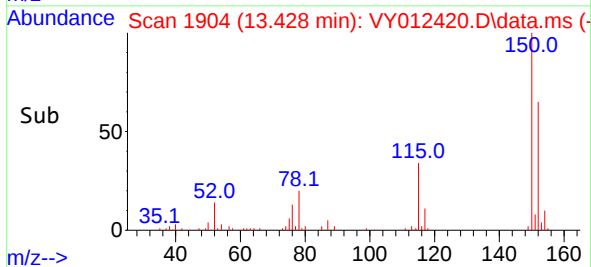
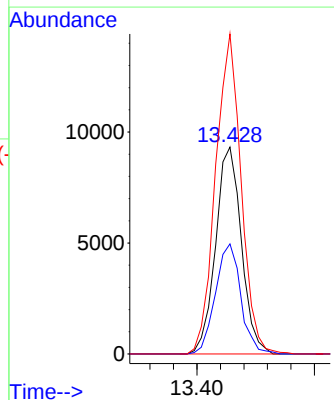
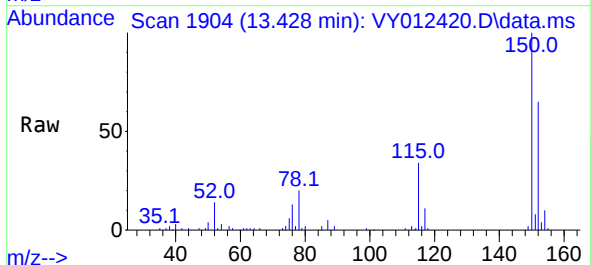


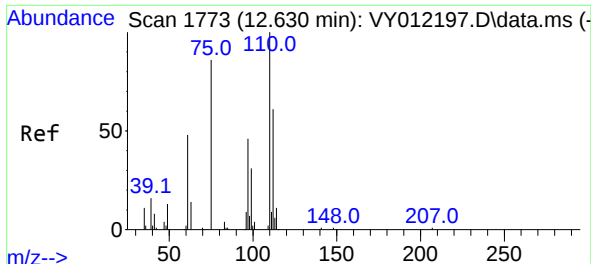
Tgt Ion:117 Resp: 33889
Ion Ratio Lower Upper
117 100
82 49.5 44.8 67.2
119 30.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion:152 Resp: 14208
Ion Ratio Lower Upper
152 100
115 52.4 29.1 87.3
150 153.4 0.0 342.6

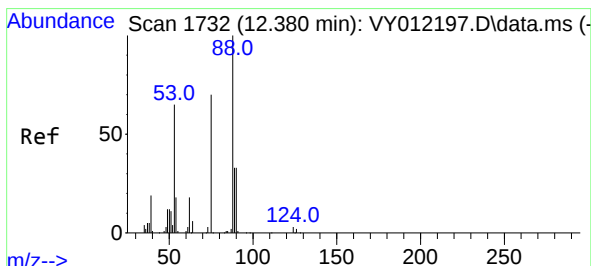
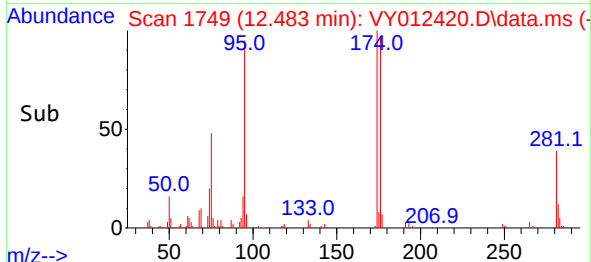
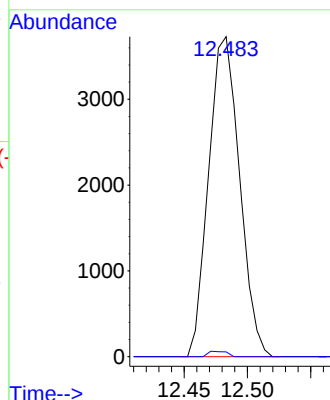
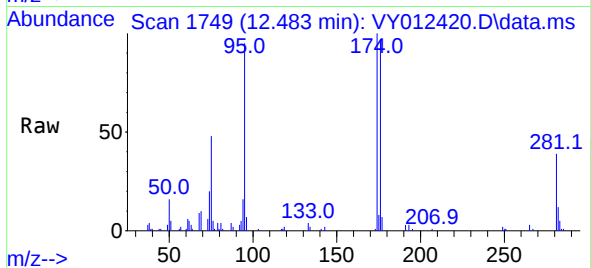




#76
1,2,3-Trichloropropane
Concen: 48.658 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Instrument :
MSVOA_Y
ClientSampleId :
VOCRE

Tgt Ion: 75 Resp: 6357
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.256 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012420.D
Acq: 31 Jan 2023 15:11

Tgt Ion: 75 Resp: 6357
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

