

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122222\
 Data File : VY011980.D
 Acq On : 22 Dec 2022 17:22
 Operator : KP/MD
 Sample : N6180-04
 Misc : 7.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-5-3050

Quant Time: Dec 23 04:33:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

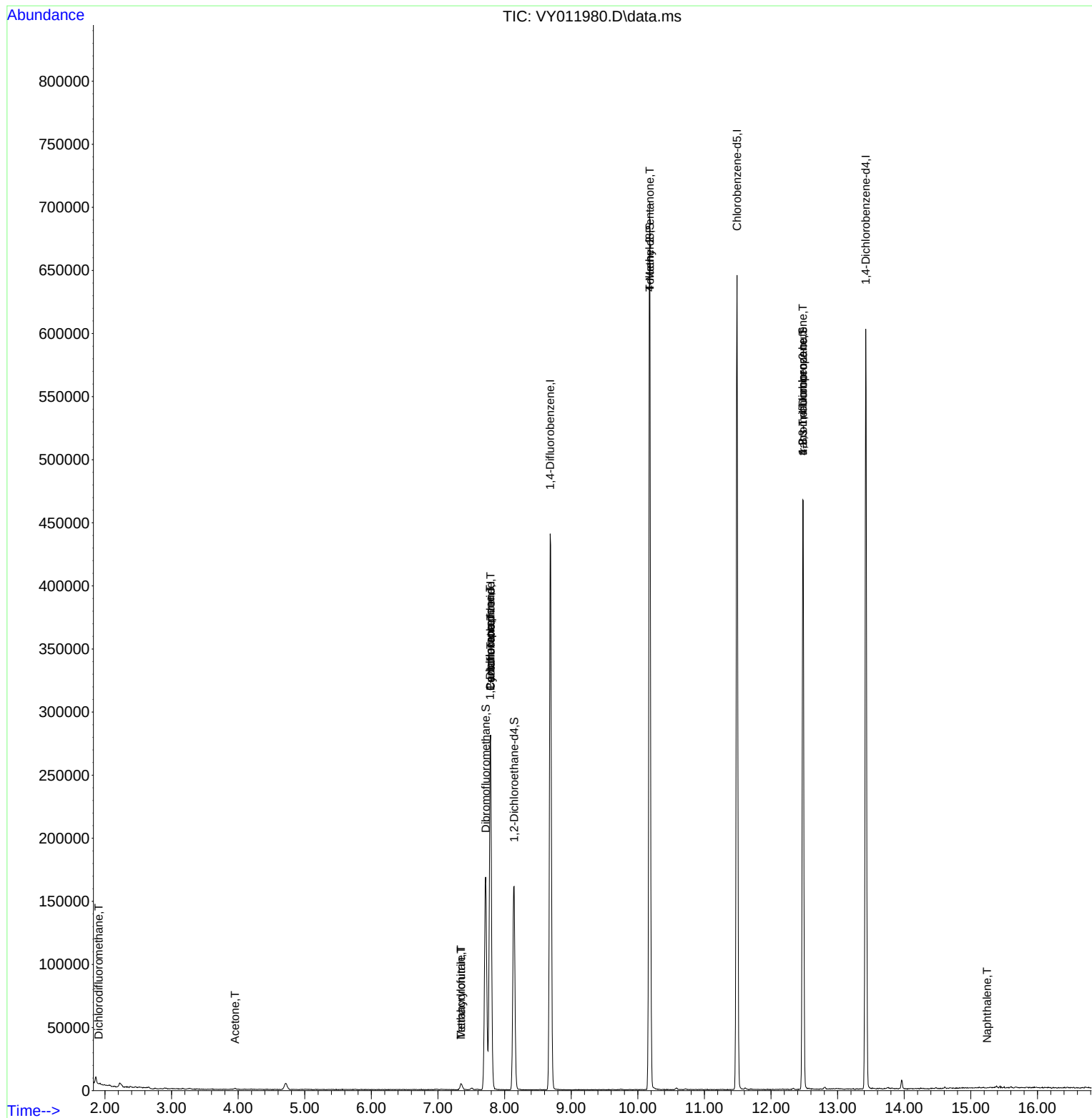
Internal Standards						
1) Pentafluorobenzene	7.789	168	219898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	387870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130204	58.772	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.540%			
35) Dibromofluoromethane	7.716	113	118869	50.906	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.820%			
50) Toluene-d8	10.179	98	455947	48.126	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.477	95	148002	46.449	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	110	2.527	ug/l #	41
16) Acetone	3.954	43	1103	6.509	ug/l	90
20) Methylene Chloride	4.716	84	4128	Below Cal		96
29) Tetrahydrofuran	7.344	42	3565	8.526	ug/l	90
31) Cyclohexane	7.789	56	4200	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	15742	4.203	ug/l #	50
38) Carbon Tetrachloride	7.789	117	22221	5.137	ug/l #	17
41) Methacrylonitrile	7.344	41	2143	2.637	ug/l #	100
51) 4-Methyl-2-Pentanone	10.179	43	1730	1.057	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	74668	37.853	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74668	103.660	ug/l #	13
95) Naphthalene	15.245	128	230	2.815	ug/l #	69

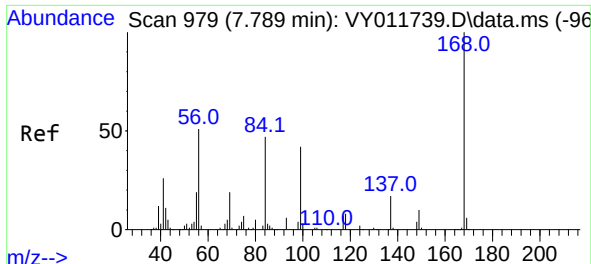
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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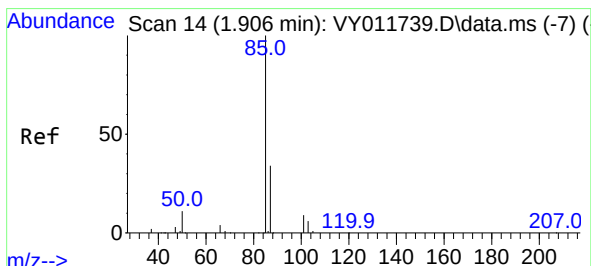
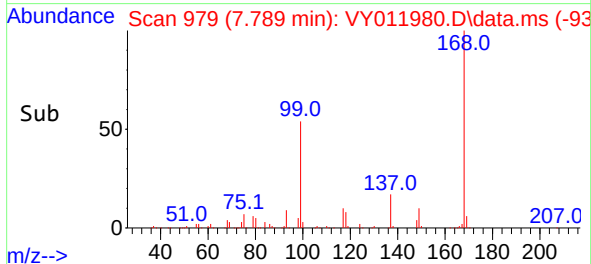
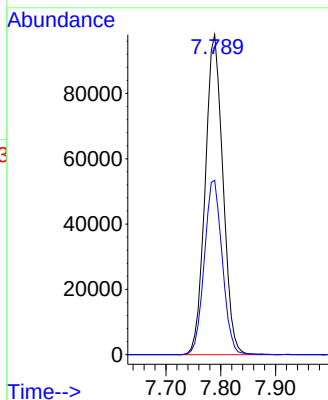
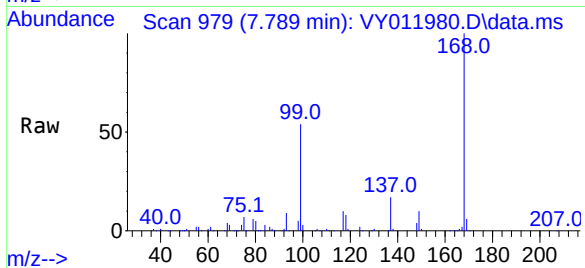




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

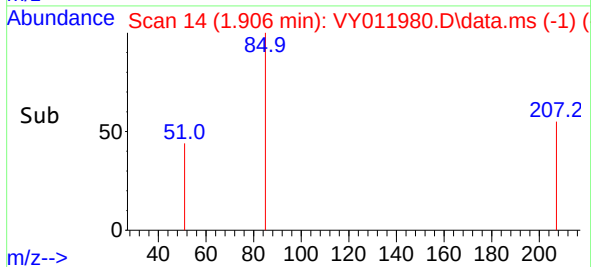
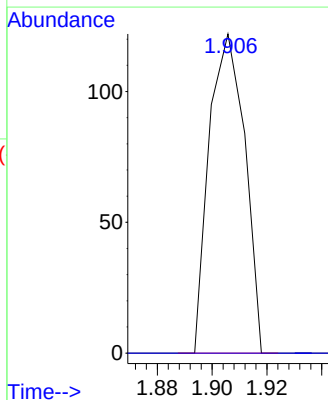
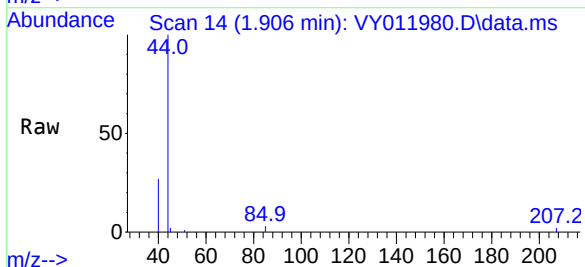
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

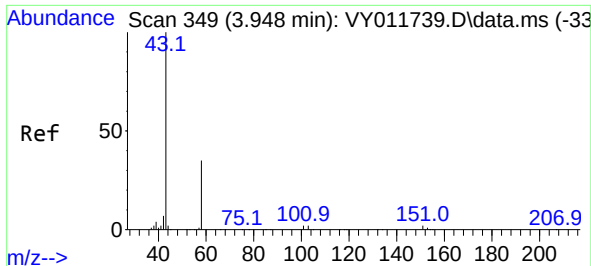
Tgt Ion:168 Resp: 219898
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.527 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 85 Resp: 110
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

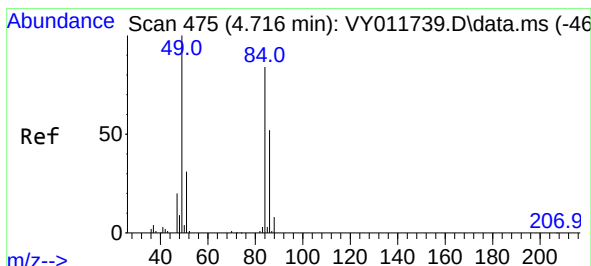
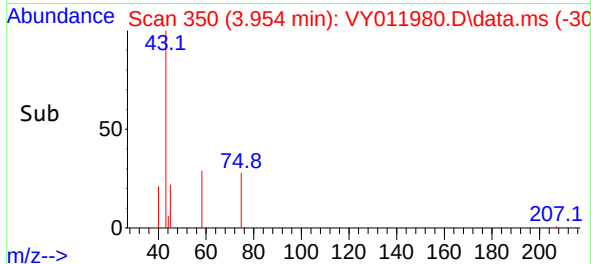
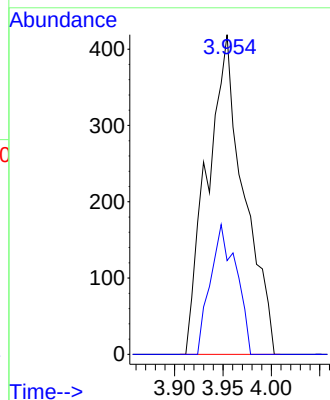
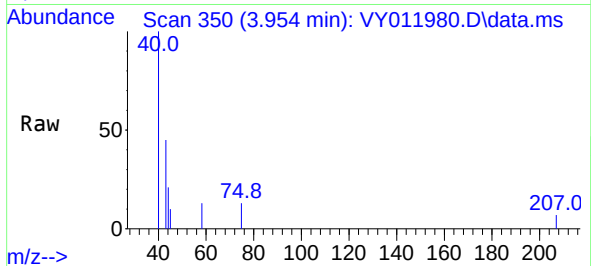




#16
Acetone
Concen: 6.509 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

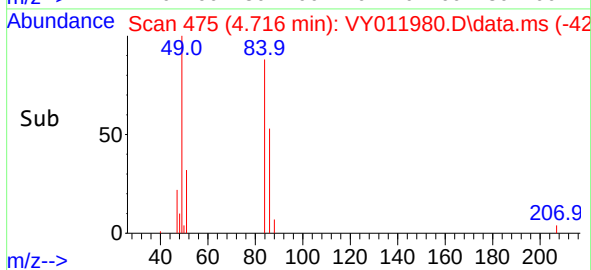
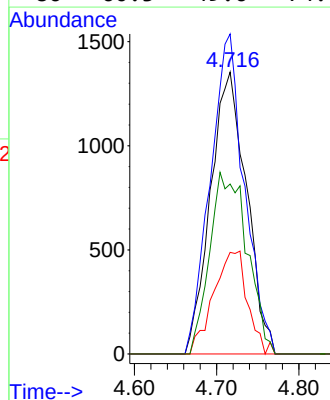
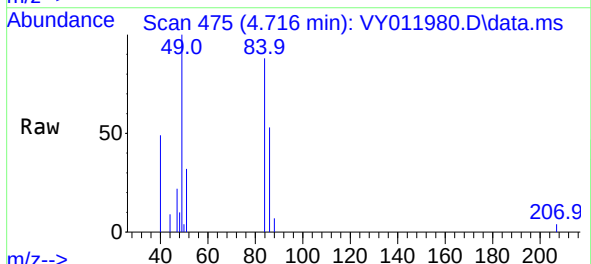
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

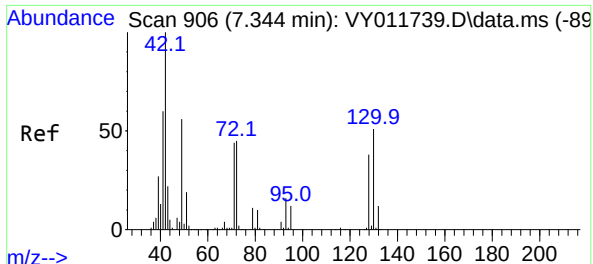
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
58 29.4 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 84 Resp: 4128
Ion Ratio Lower Upper
84 100
49 113.5 95.4 143.2
51 36.0 29.9 44.9
86 60.3 49.6 74.4

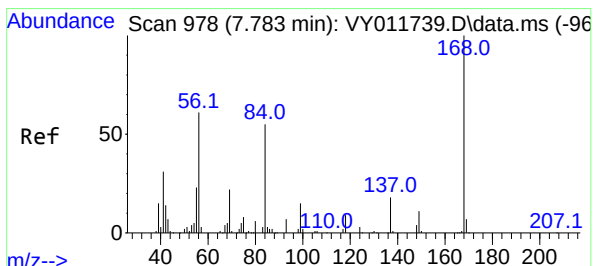
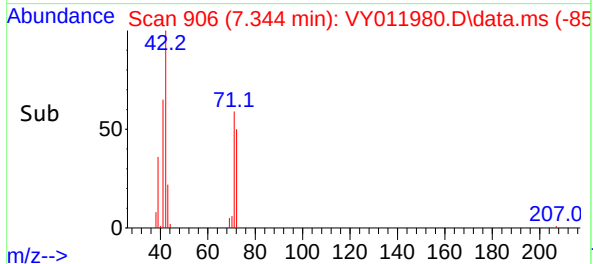
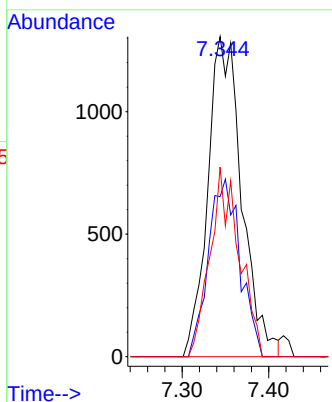
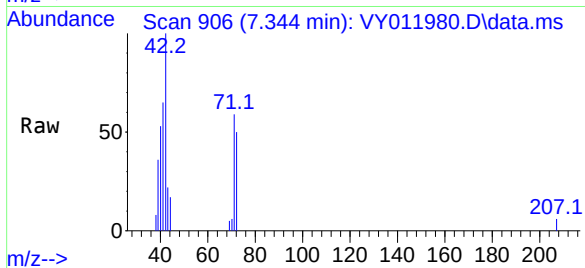




#29
Tetrahydrofuran
Concen: 8.526 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

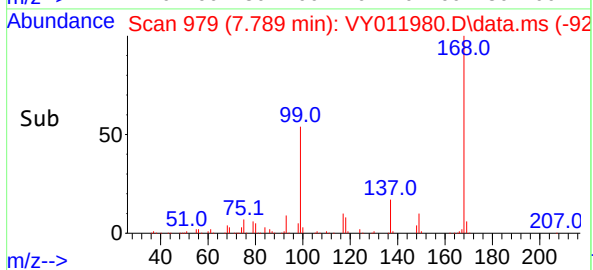
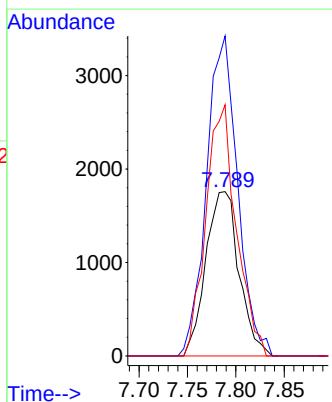
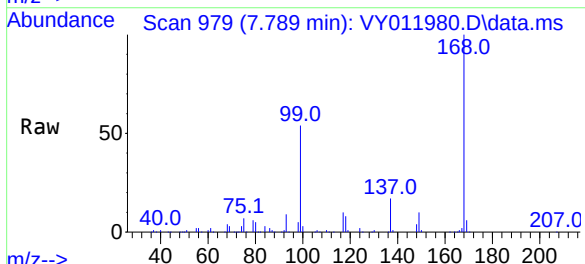
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

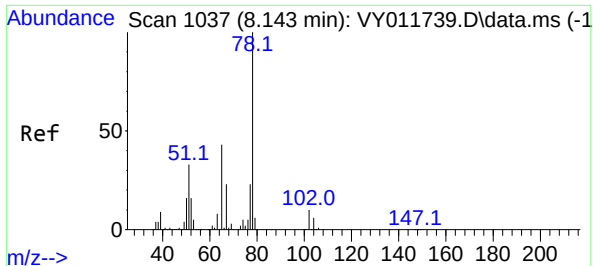
Tgt Ion:	42	Resp:	3565
Ion	Ratio	Lower	Upper
42	100		
72	51.6	37.0	55.6
71	50.8	34.9	52.3



#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion:	56	Resp:	4200
Ion	Ratio	Lower	Upper
56	100		
69	194.8	29.2	43.8#
84	152.9	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 58.772 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011980.D

Acq: 22 Dec 2022 17:22

Instrument :

MSVOA_Y

ClientSampleId :

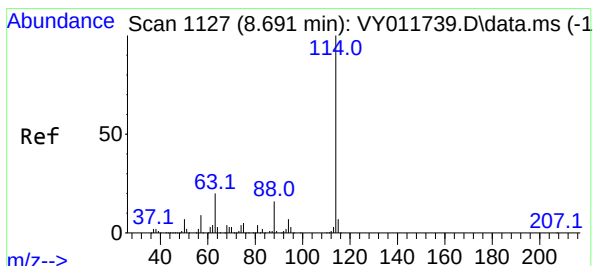
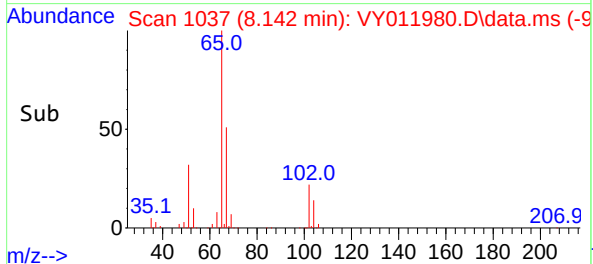
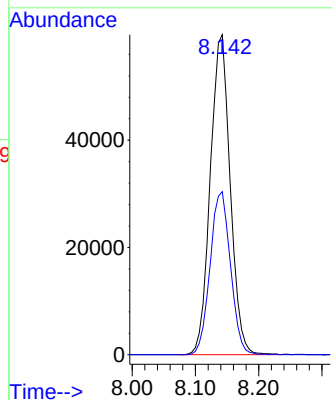
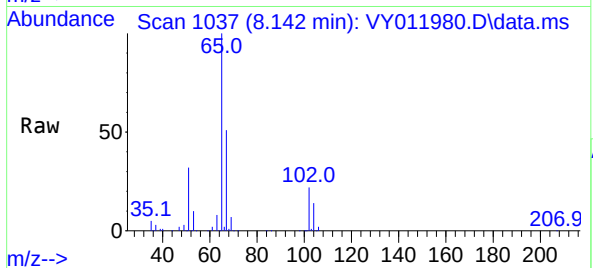
VOC-5-3050

Tgt Ion: 65 Resp: 130204

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY011980.D

Acq: 22 Dec 2022 17:22

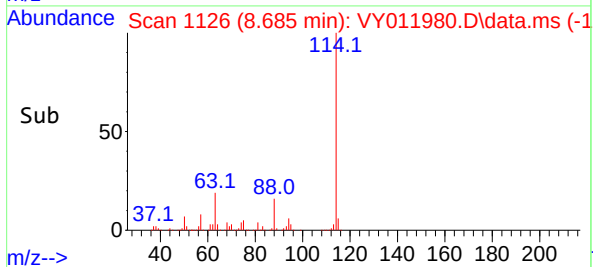
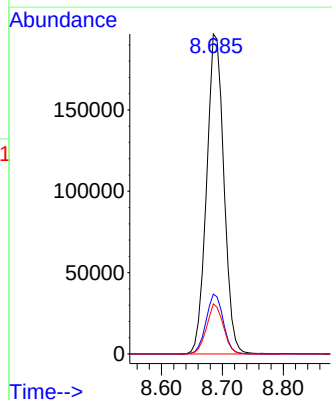
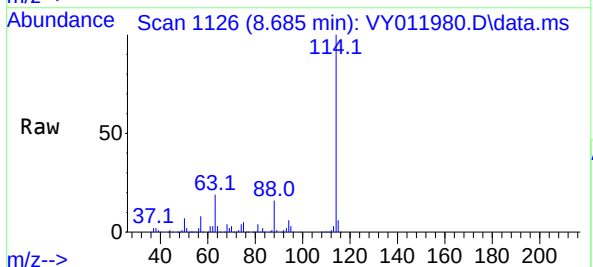
Tgt Ion: 114 Resp: 387870

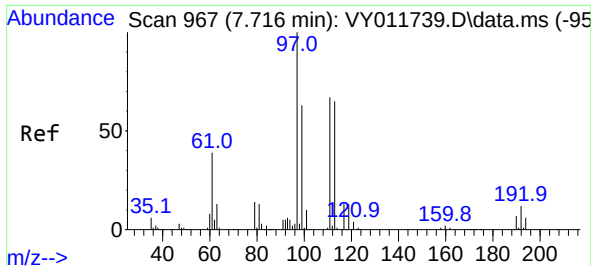
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.6 0.0 32.2

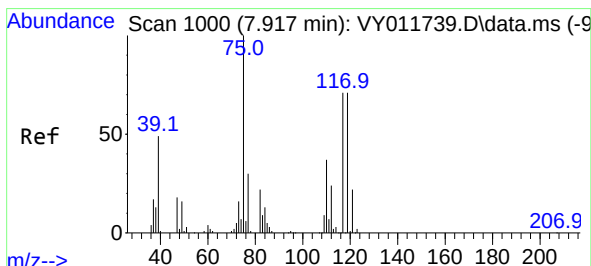
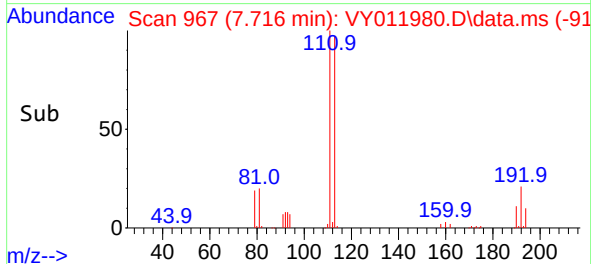
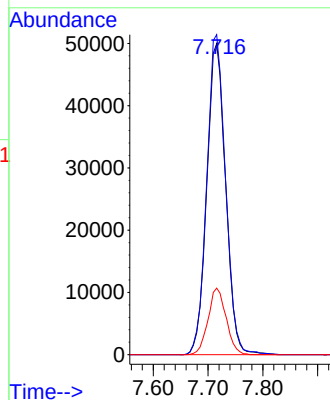
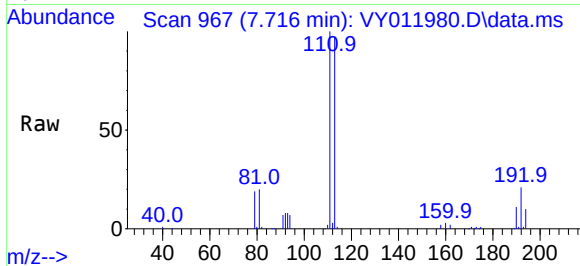




#35
Dibromofluoromethane
Concen: 50.906 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

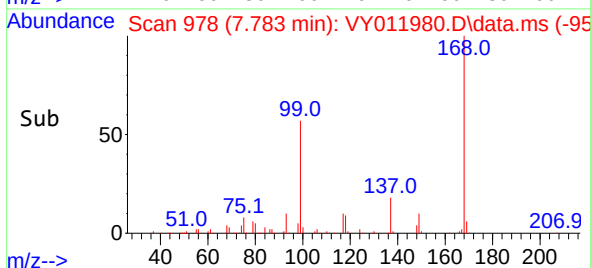
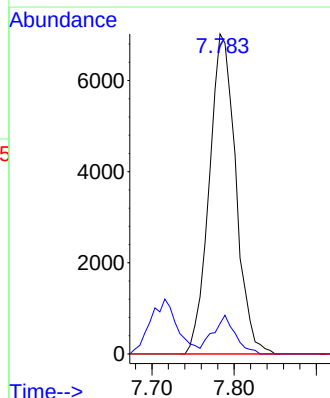
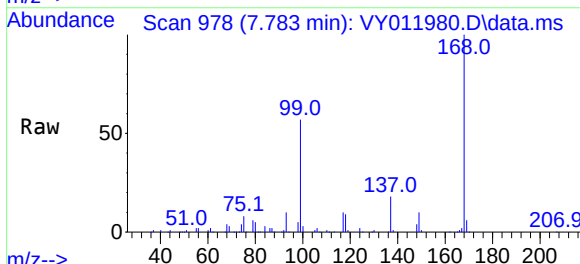
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

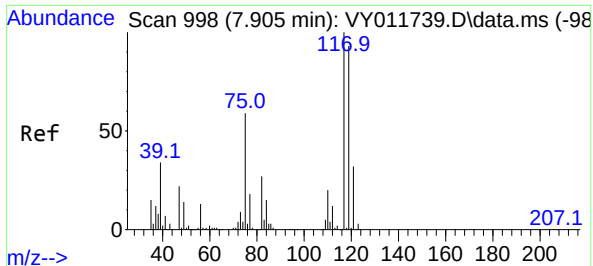
Tgt Ion:113 Resp: 118869
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 20.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.203 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 75 Resp: 15742
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#

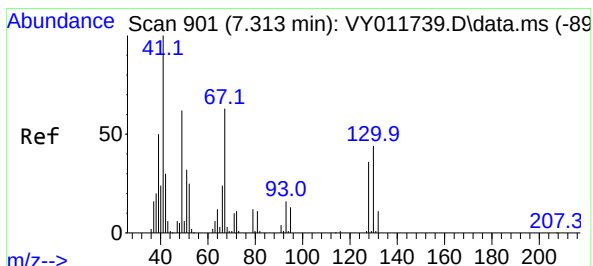
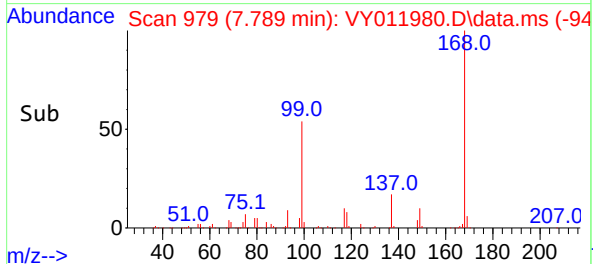
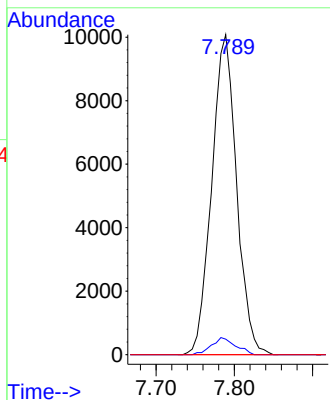
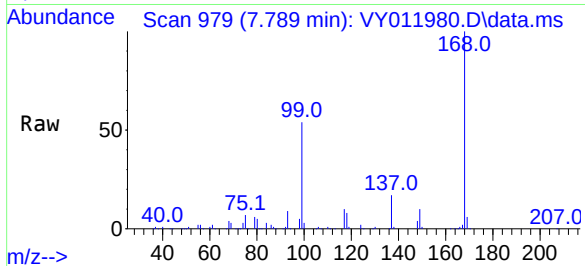




#38
Carbon Tetrachloride
Concen: 5.137 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

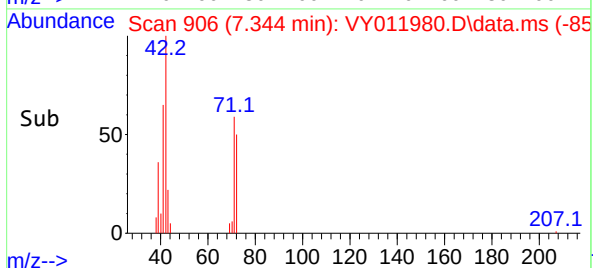
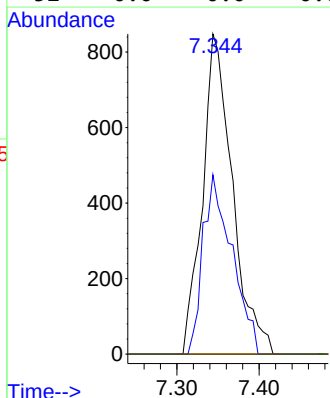
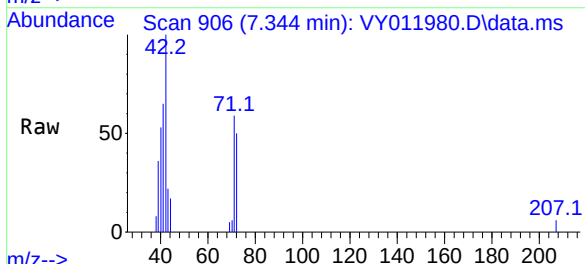
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VOC-5-3050

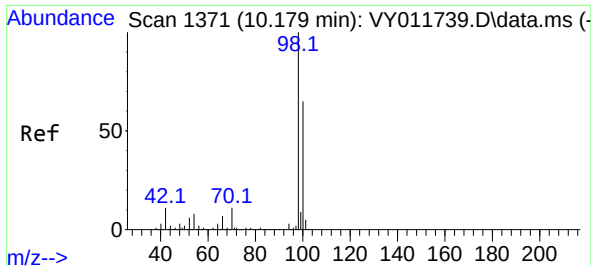
Tgt Ion:117 Resp: 22221
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 2.637 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.030 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 41 Resp: 2143
Ion Ratio Lower Upper
41 100
39 54.4 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

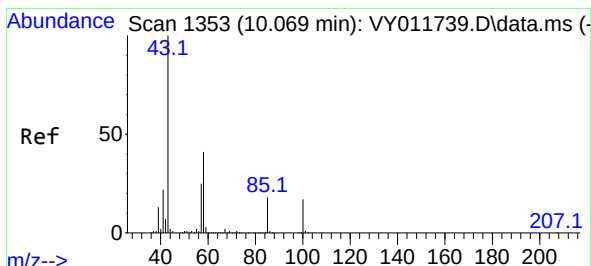
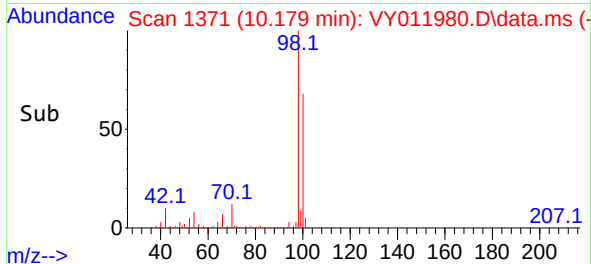
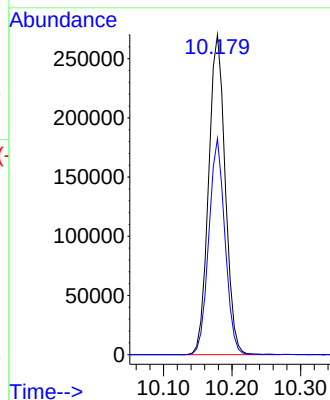
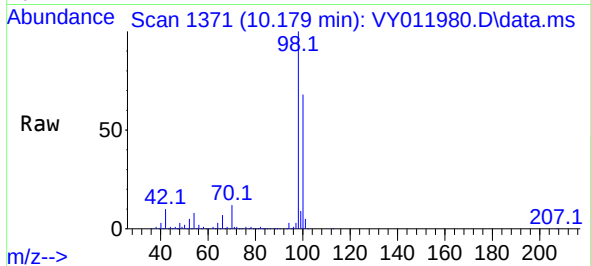




#50
Toluene-d8
Concen: 48.126 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

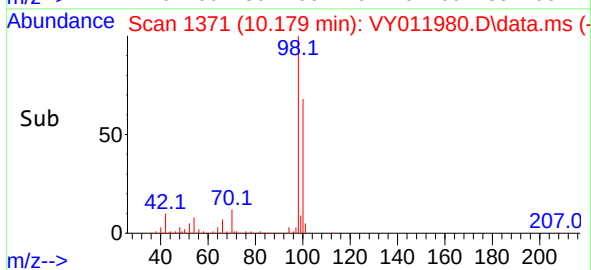
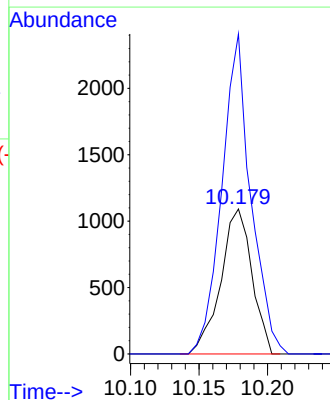
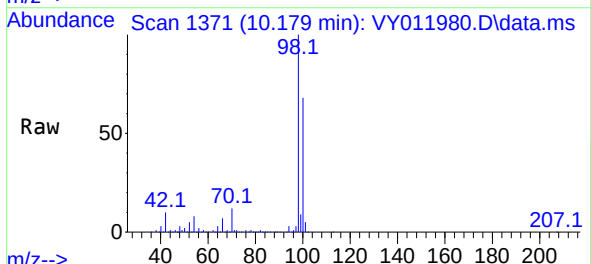
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

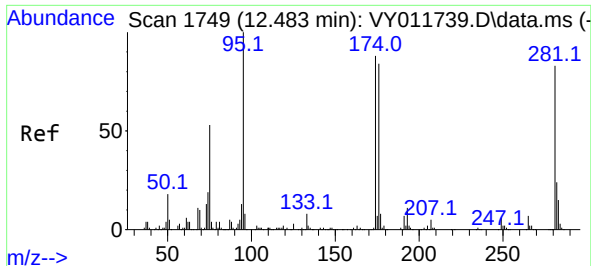
Tgt Ion: 98 Resp: 455947
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.057 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 43 Resp: 1730
Ion Ratio Lower Upper
43 100
58 204.8 32.9 49.3#

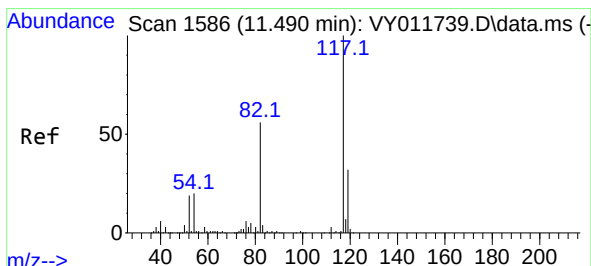
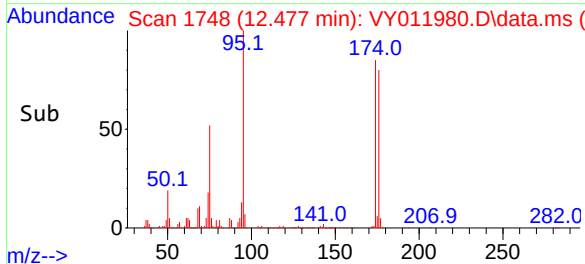
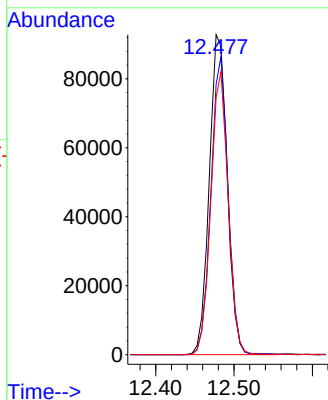
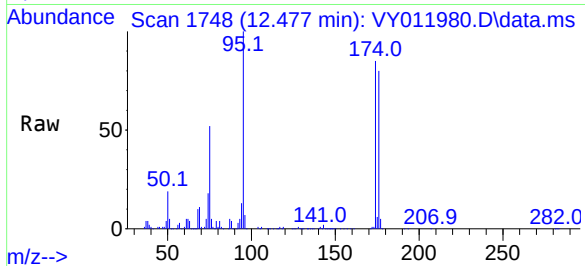




#62
4-Bromofluorobenzene
Concen: 46.449 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

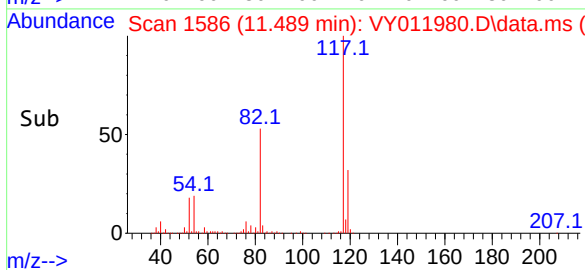
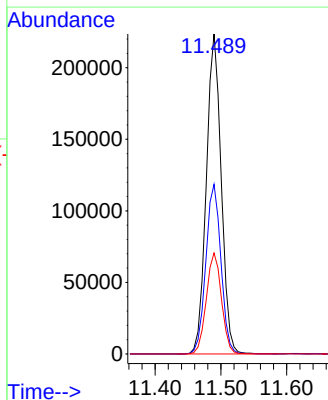
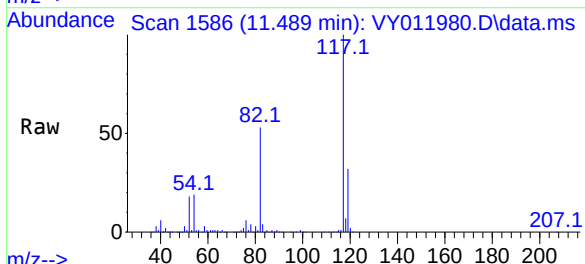
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

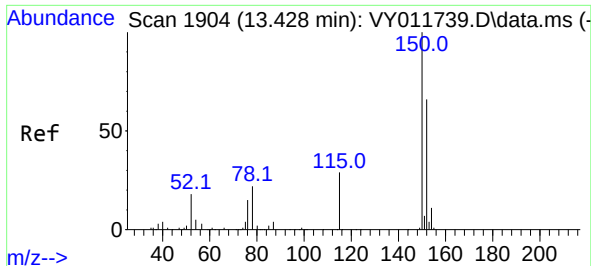
Tgt Ion: 95 Resp: 148002
Ion Ratio Lower Upper
95 100
174 89.3 0.0 172.0
176 85.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 117 Resp: 352135
Ion Ratio Lower Upper
117 100
82 53.0 44.8 67.2
119 31.5 25.4 38.2

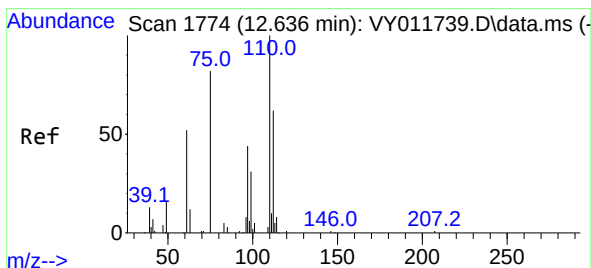
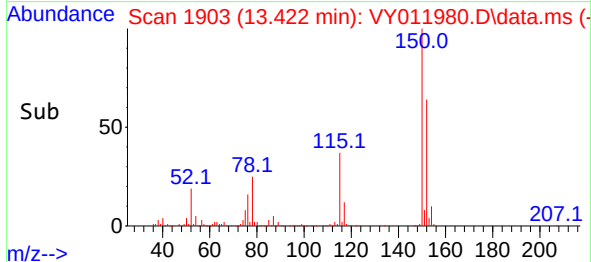
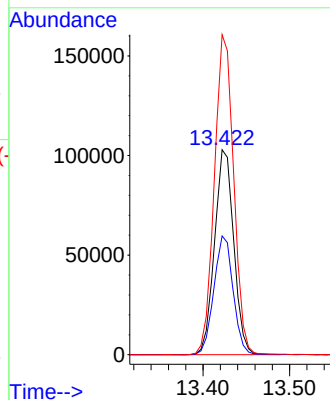
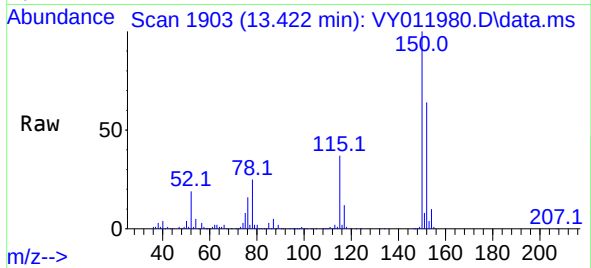




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

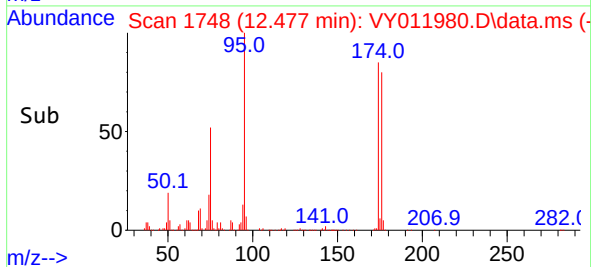
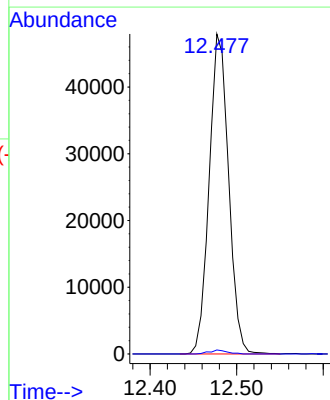
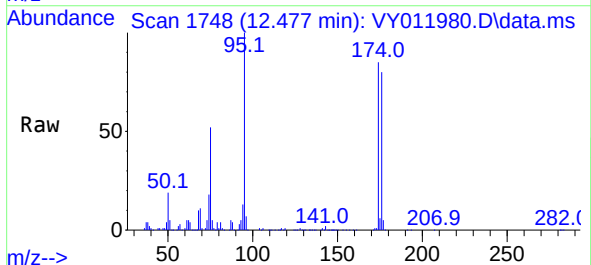
Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

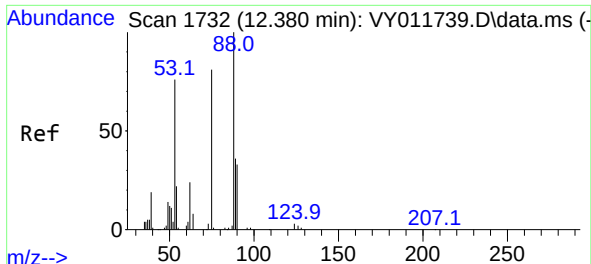
Tgt Ion:152 Resp: 158525
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.3
150 157.2 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 37.853 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion: 75 Resp: 74668
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

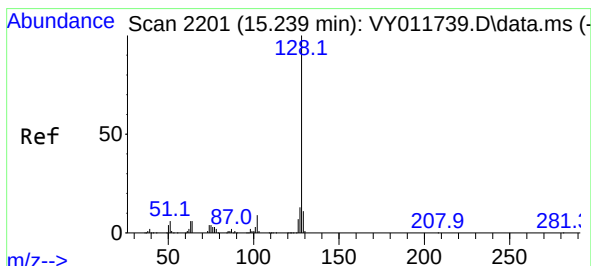
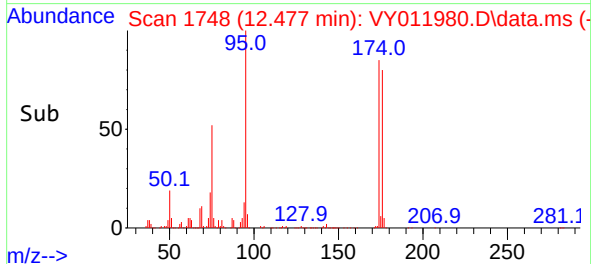
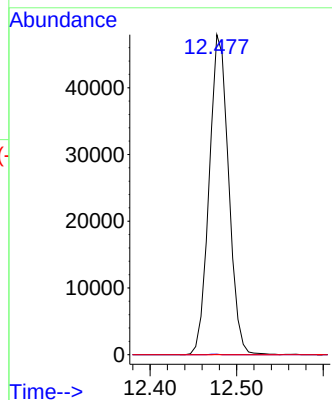
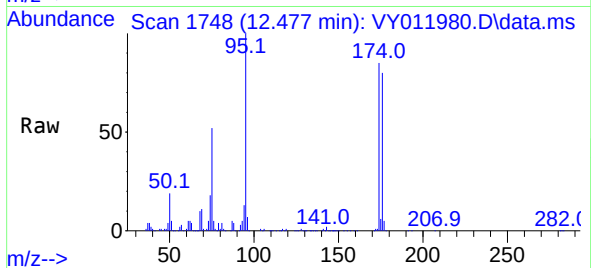




#81
trans-1,4-Dichloro-2-butene
Concen: 103.660 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Instrument :
MSVOA_Y
ClientSampleId :
VOC-5-3050

Tgt Ion: 75 Resp: 74668
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.815 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY011980.D
Acq: 22 Dec 2022 17:22

Tgt Ion:128 Resp: 230
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

