

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012268.D
 Acq On : 19 Jan 2023 16:11
 Operator : KP/MD
 Sample : 01190-08
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-7

Quant Time: Jan 20 03:24:43 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)

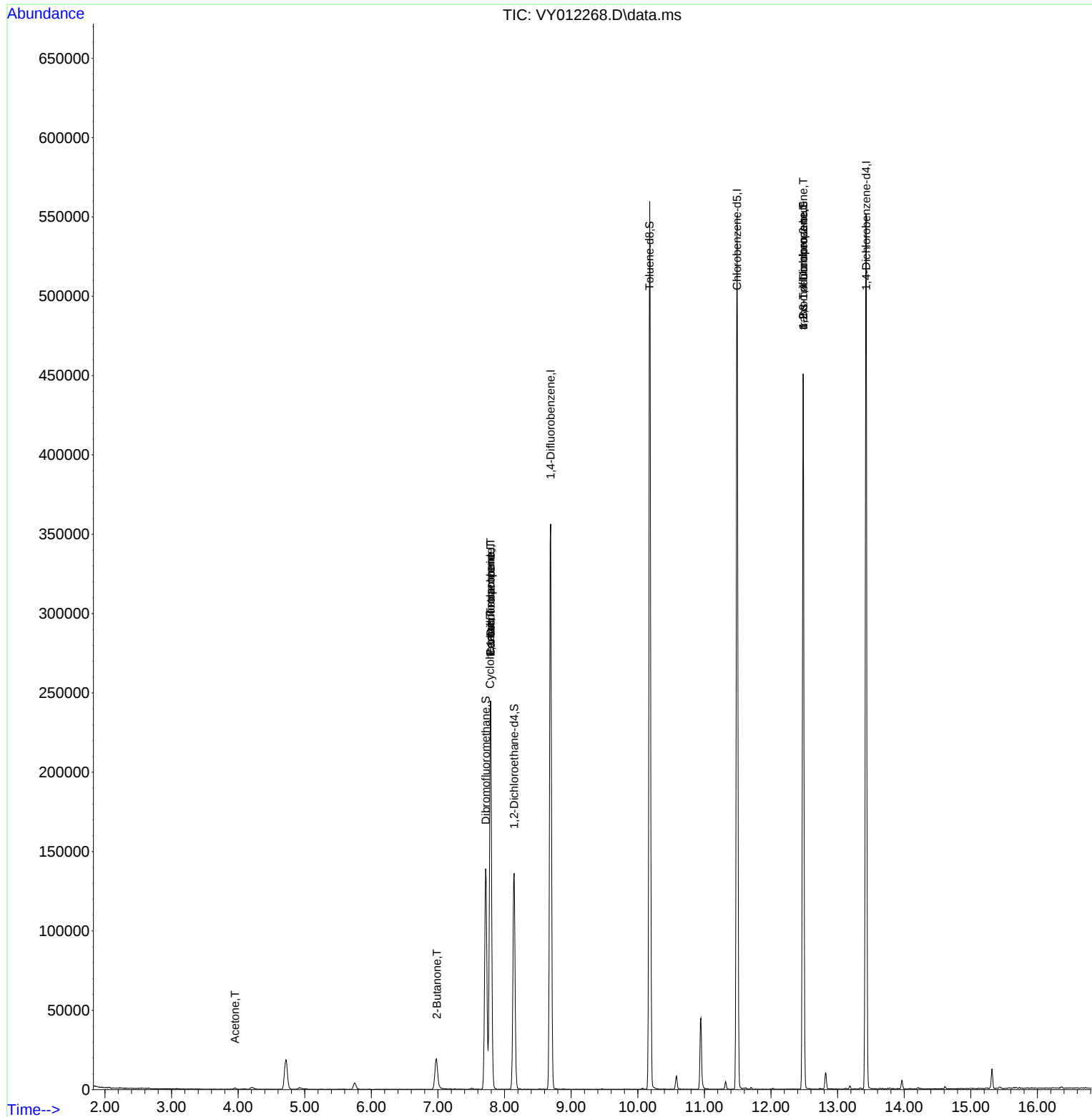
Internal Standards						
1) Pentafluorobenzene	7.789	168	193032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113830	72.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.900%
35) Dibromofluoromethane	7.716	113	95224	55.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.340%
50) Toluene-d8	10.179	98	379251	65.314	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.620%
62) 4-Bromofluorobenzene	12.483	95	130098	53.950	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	757	Below Cal	#	74
16) Acetone	3.954	43	1344	2.500	ug/l	99
20) Methylene Chloride	4.723	84	16456	Below Cal	#	83
25) 2-Butanone	6.984	43	1071	1.805	ug/l	# 80
31) Cyclohexane	7.783	56	3293	1.170	ug/l	# 9
36) 1,1-Dichloropropene	7.789	75	13009	4.475	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	18785	5.003	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	68107	50.311	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	68107	103.663	ug/l	# 13

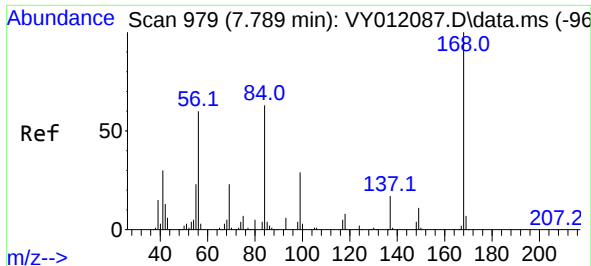
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

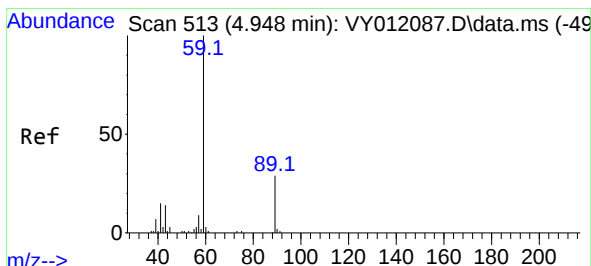
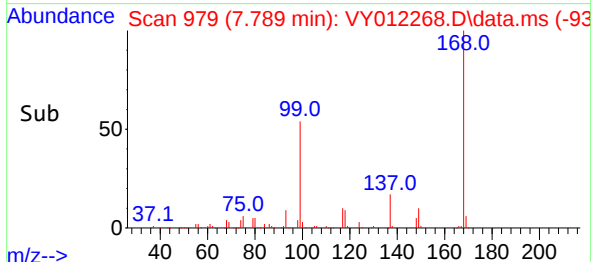
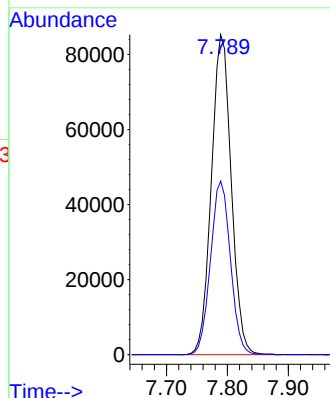
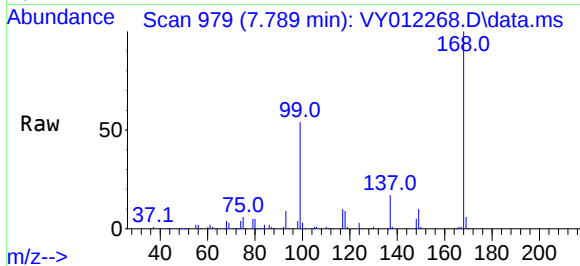




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

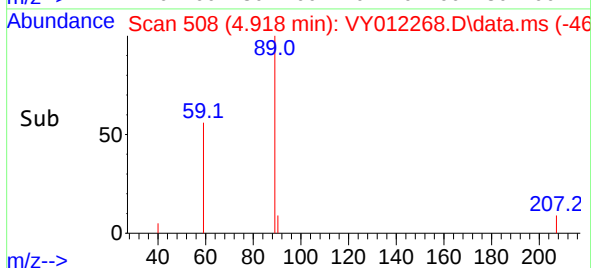
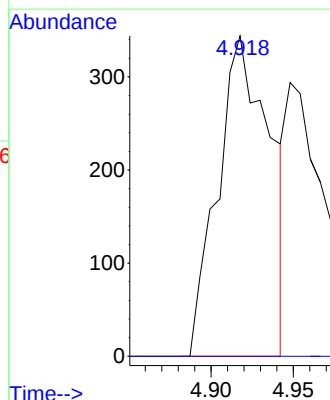
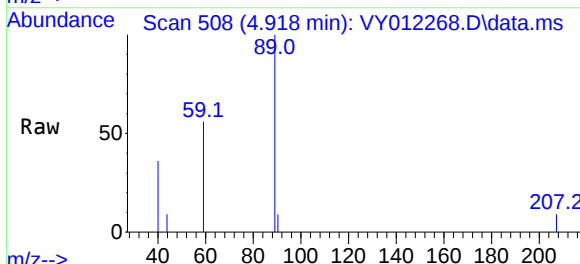
Instrument :
MSVOA_Y
ClientSampleId :
PE-7

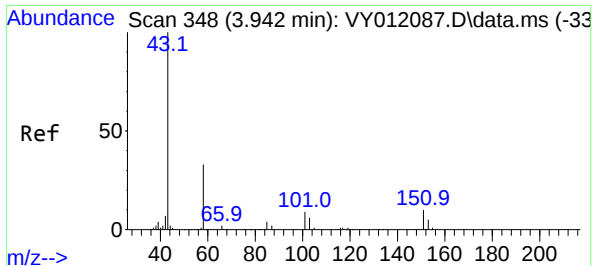
Tgt Ion:168 Resp: 193032
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Tgt Ion: 59 Resp: 757
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

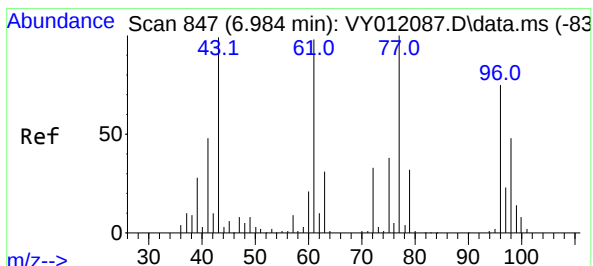
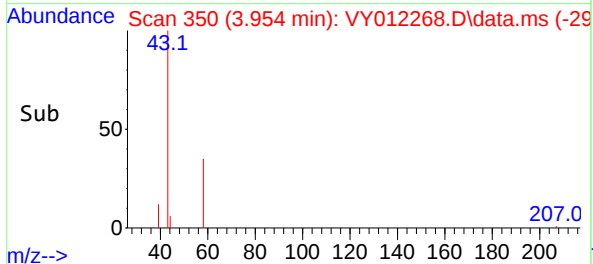
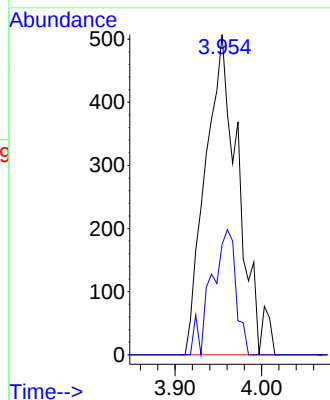
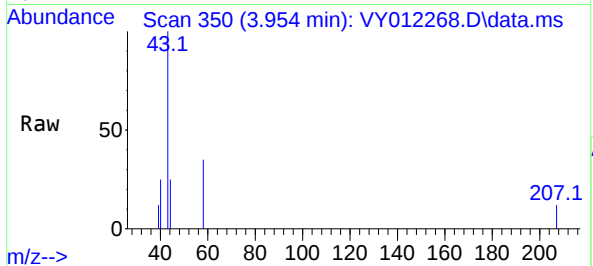




#16
Acetone
Concen: 2.500 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

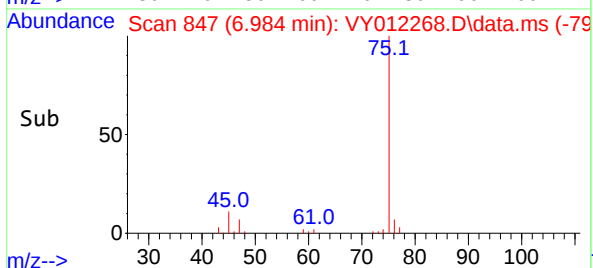
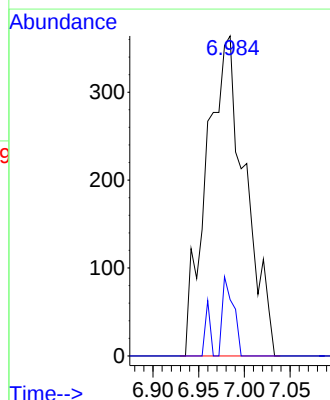
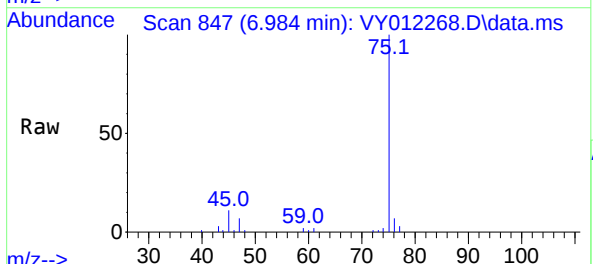
Instrument :
MSVOA_Y
ClientSampleId :
PE-7

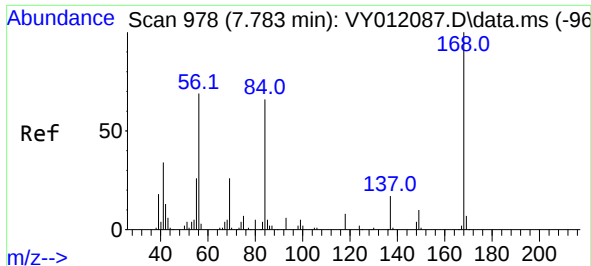
Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 34.5 27.9 41.9



#25
2-Butanone
Concen: 1.805 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

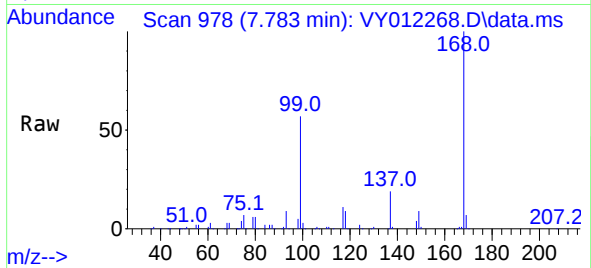
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
72 17.6 22.6 34.0#



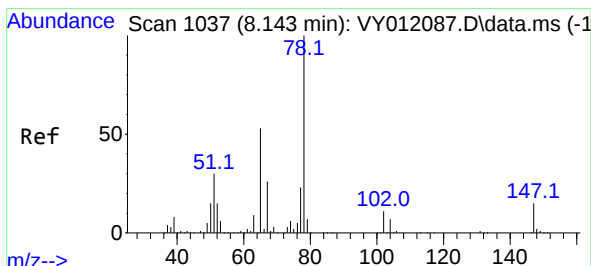
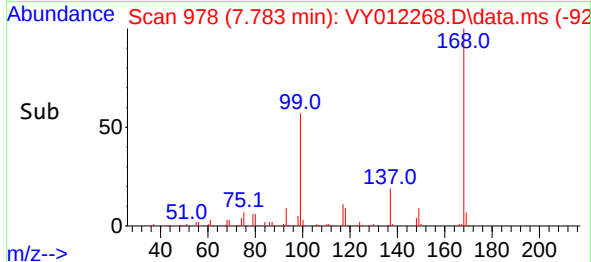
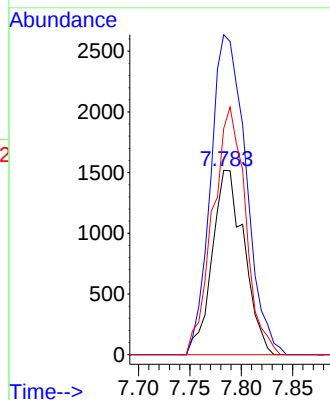


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Instrument :
MSVOA_Y
ClientSampleId :
PE-7

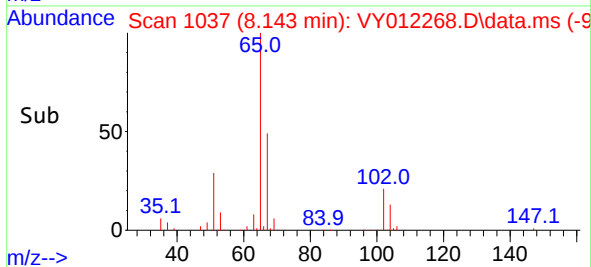
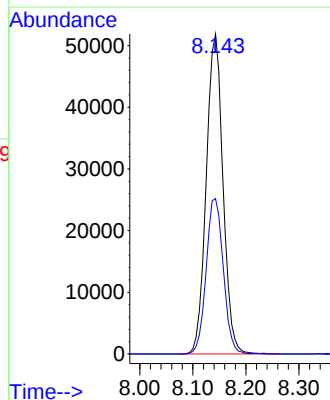
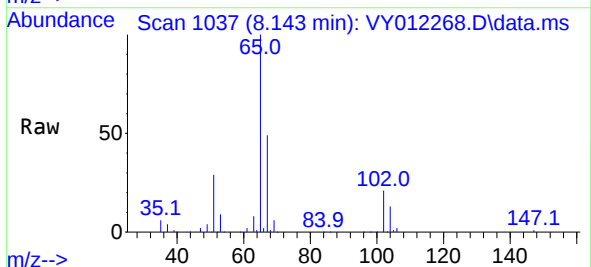


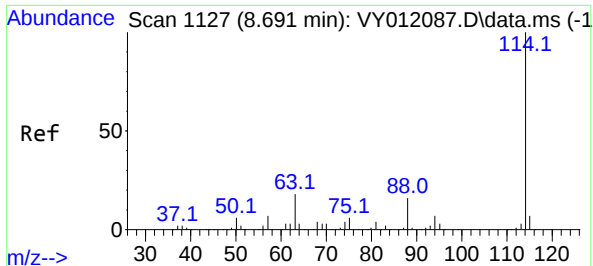
Tgt Ion: 56 Resp: 3293
Ion Ratio Lower Upper
56 100
69 173.6 29.2 43.8#
84 122.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 72.948 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Tgt Ion: 65 Resp: 113830
Ion Ratio Lower Upper
65 100
67 49.5 0.0 103.2

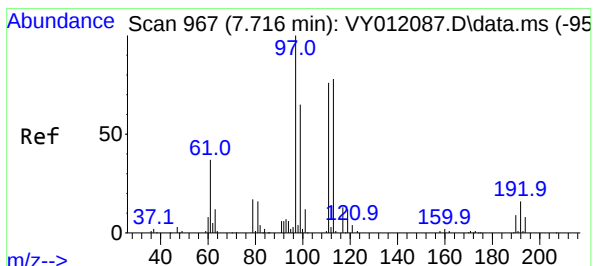
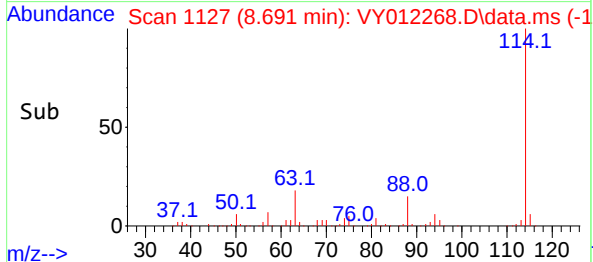
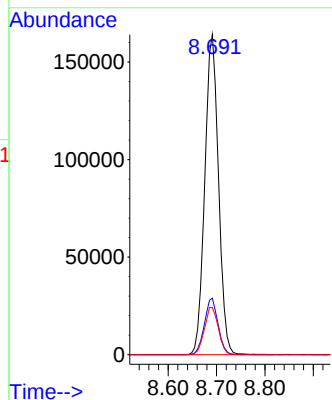
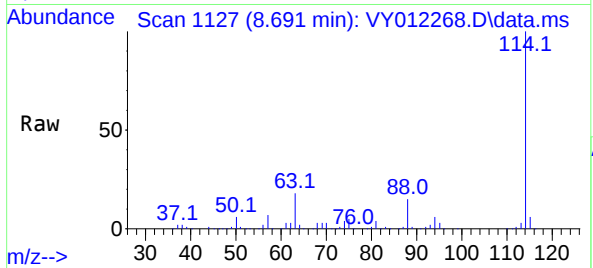




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

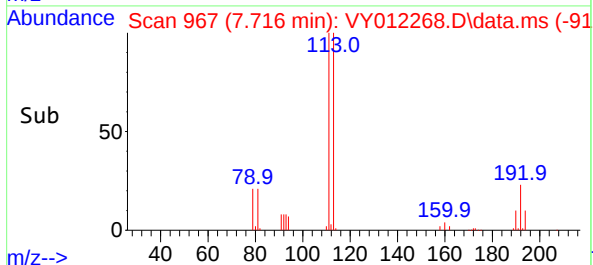
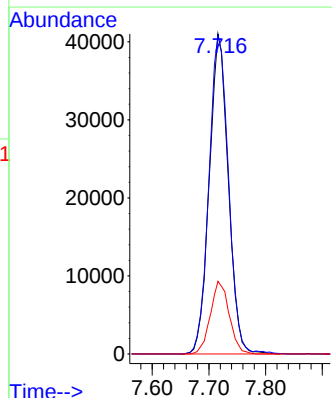
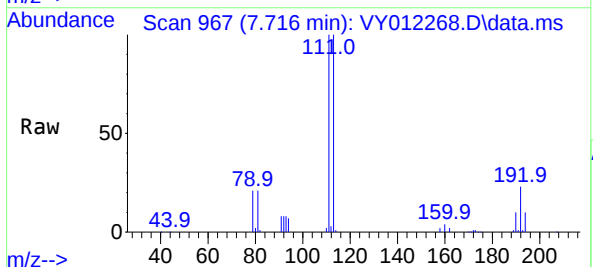
Instrument :
MSVOA_Y
ClientSampleId :
PE-7

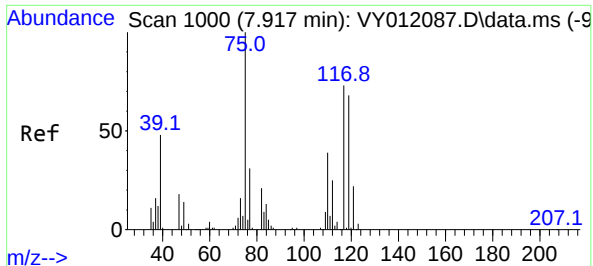
Tgt Ion:114 Resp: 323062
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.6
88 14.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 55.667 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Tgt Ion:113 Resp: 95224
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 22.5 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.475 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012268.D

Acq: 19 Jan 2023 16:11

Instrument :

MSVOA_Y

ClientSampleId :

PE-7

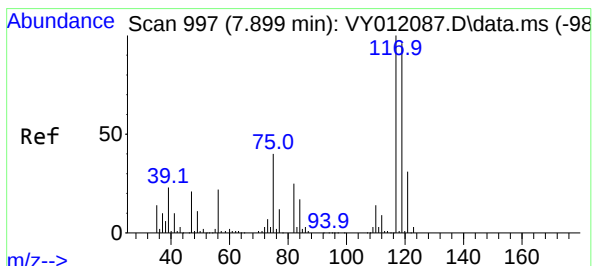
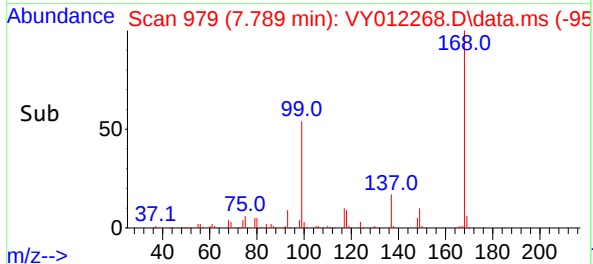
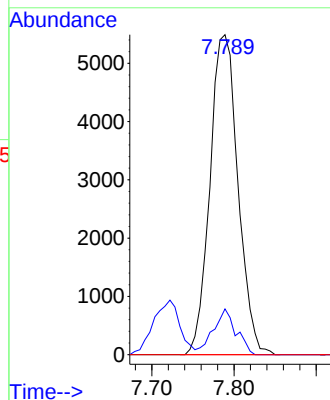
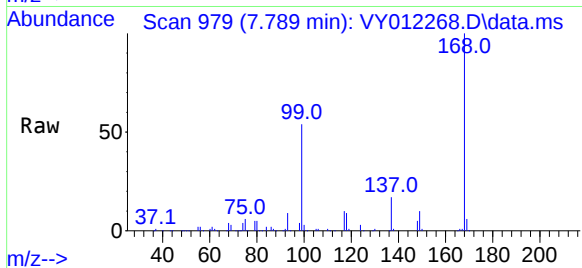
Tgt Ion: 75 Resp: 13009

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.003 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012268.D

Acq: 19 Jan 2023 16:11

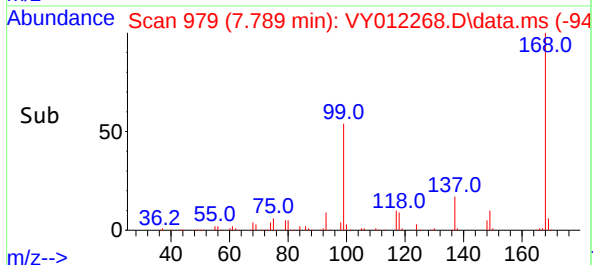
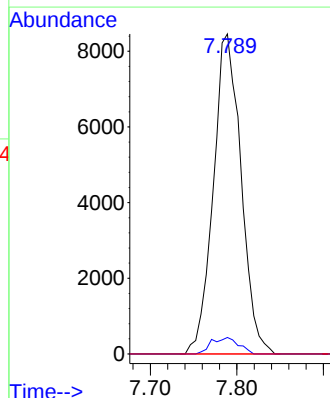
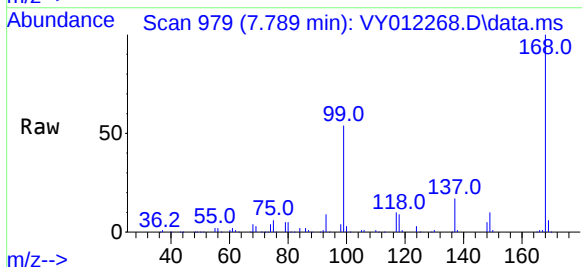
Tgt Ion: 117 Resp: 18785

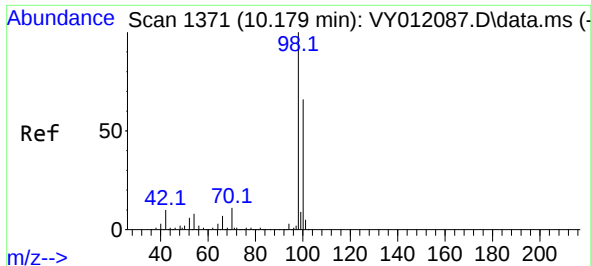
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

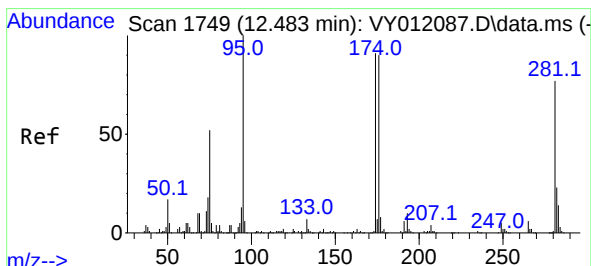
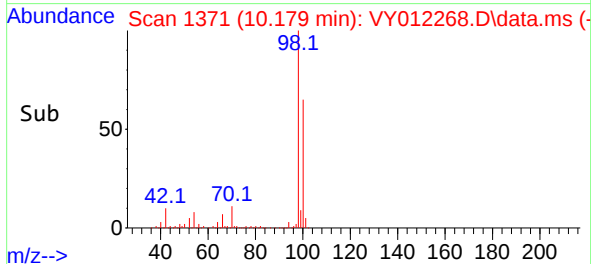
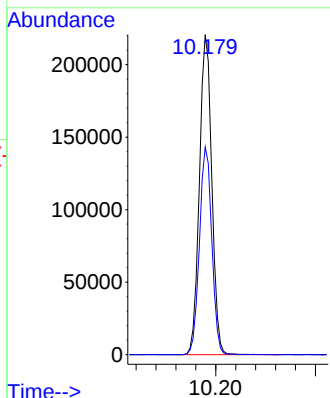
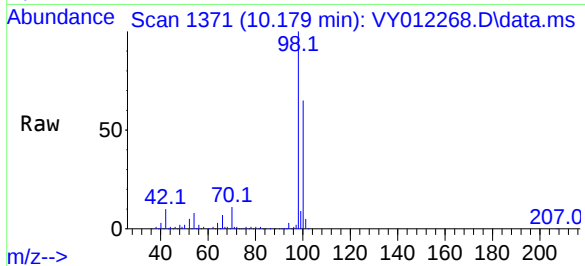




#50
Toluene-d8
Concen: 65.314 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

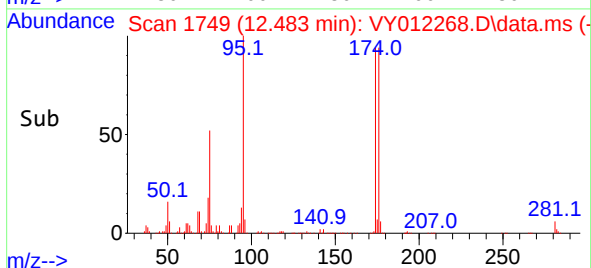
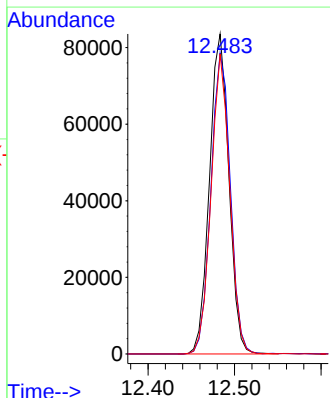
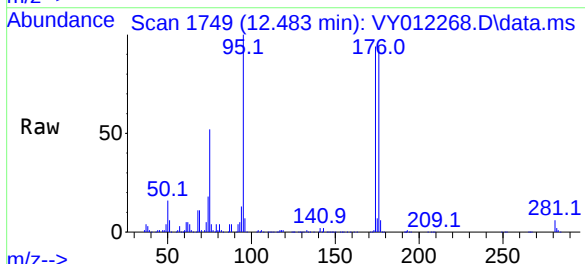
Instrument :
MSVOA_Y
ClientSampleId :
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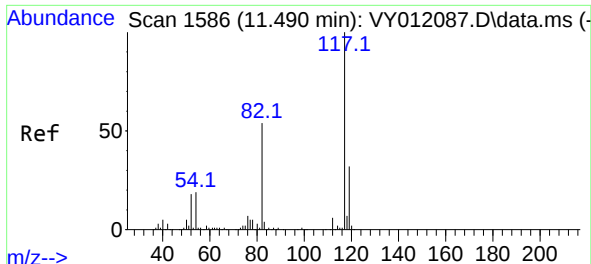
Tgt Ion: 98 Resp: 379251
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.950 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

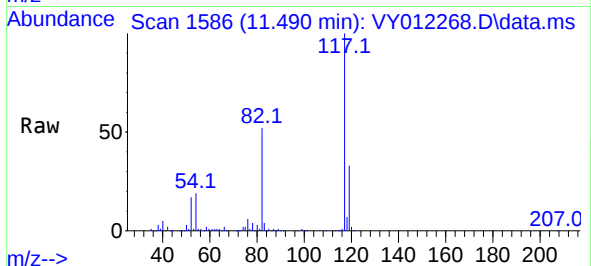
Tgt Ion: 95 Resp: 130098
Ion Ratio Lower Upper
95 100
174 94.2 0.0 172.0
176 90.4 0.0 167.6



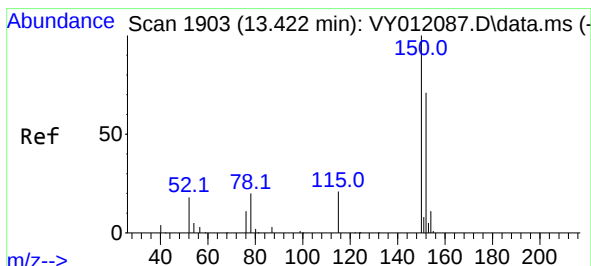
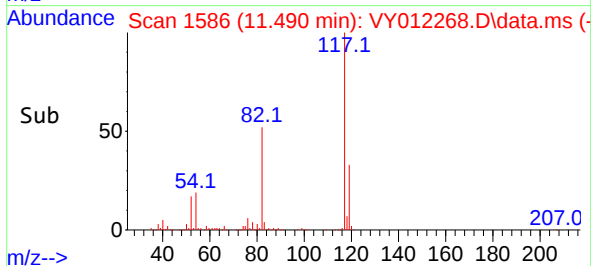
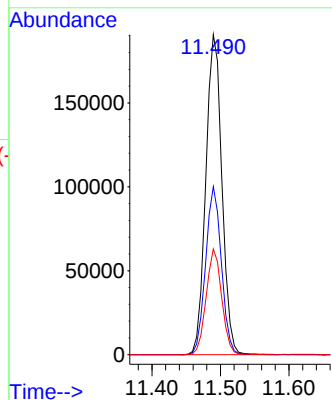


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Instrument :
MSVOA_Y
ClientSampleId :
PE-7

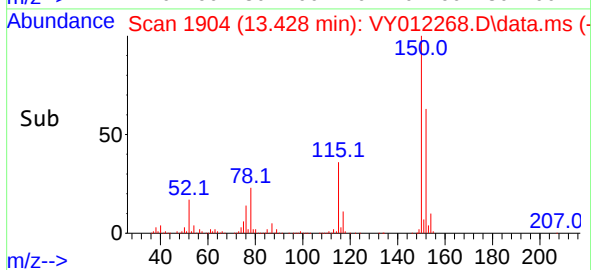
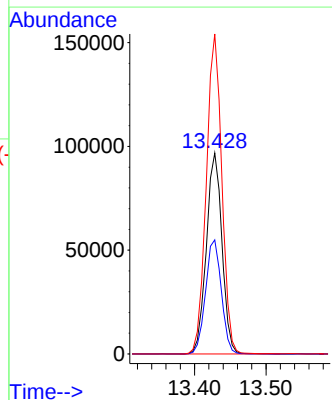
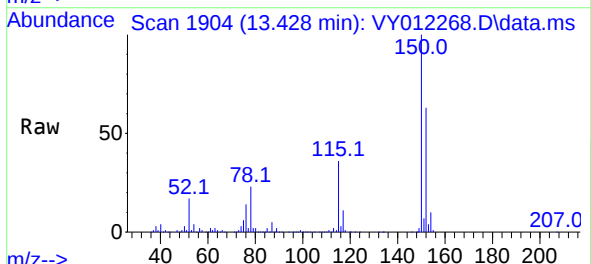


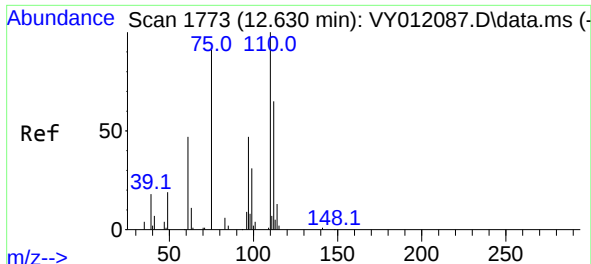
Tgt Ion:117 Resp: 311814
Ion Ratio Lower Upper
117 100
82 52.5 44.8 67.2
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Tgt Ion:152 Resp: 147217
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 158.1 0.0 342.6

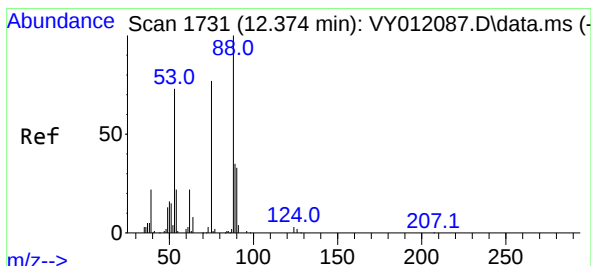
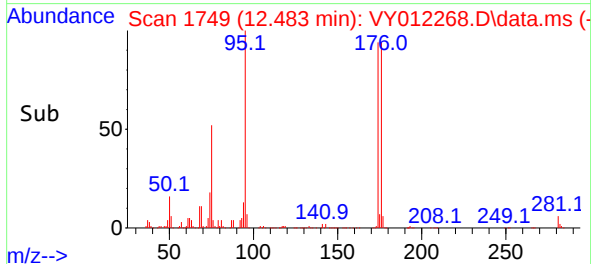
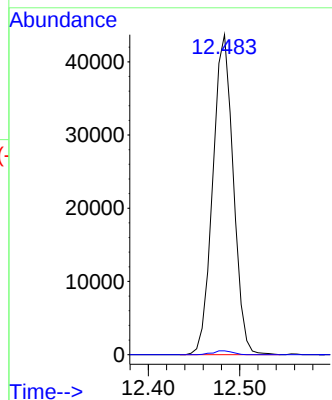
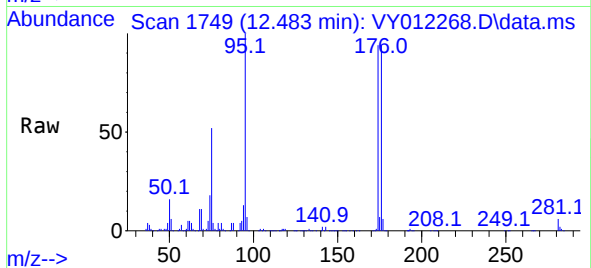




#76
1,2,3-Trichloropropane
Concen: 50.311 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Instrument :
MSVOA_Y
ClientSampleId :
PE-7

Tgt Ion: 75 Resp: 68107
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.663 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012268.D
Acq: 19 Jan 2023 16:11

Tgt Ion: 75 Resp: 68107
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

