

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012273.D
 Acq On : 19 Jan 2023 18:08
 Operator : KP/MD
 Sample : 01190-05
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-4

Quant Time: Jan 20 03:25:33 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)

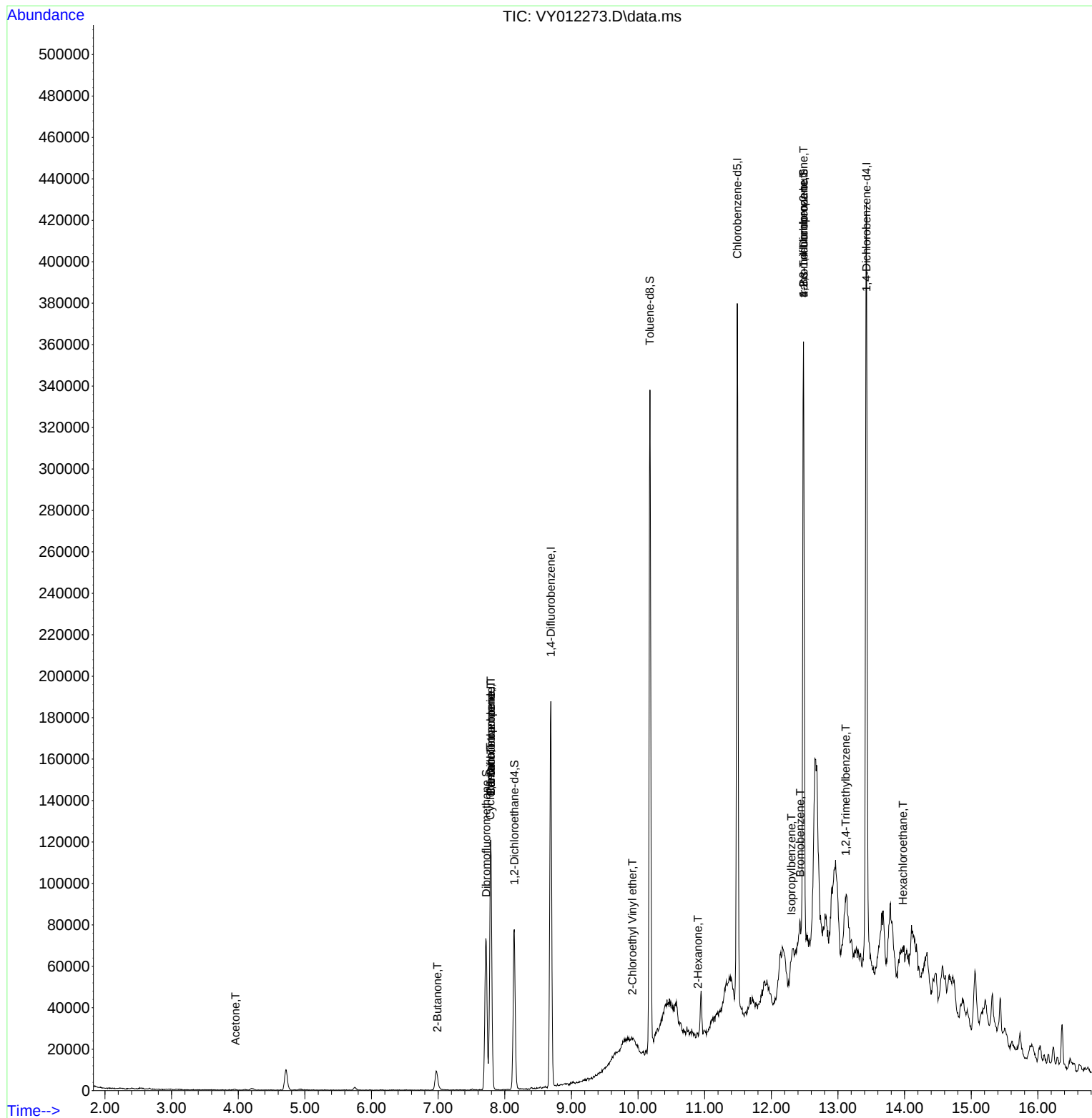
Internal Standards						
1) Pentafluorobenzene	7.789	168	95987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	191231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	63317	82.106	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.220%#	
35) Dibromofluoromethane	7.722	113	51106	58.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.980%	
50) Toluene-d8	10.179	98	213422	72.447	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 144.900%#	
62) 4-Bromofluorobenzene	12.483	95	87878	71.351	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	565	Below Cal	#	74
16) Acetone	3.960	43	699	2.615	ug/l	94
20) Methylene Chloride	4.716	84	8107	Below Cal		89
25) 2-Butanone	6.990	43	804	2.725	ug/l #	78
31) Cyclohexane	7.783	56	1587	1.134	ug/l #	14
36) 1,1-Dichloropropene	7.789	75	6302	4.244	ug/l #	51
38) Carbon Tetrachloride	7.789	117	9720	5.069	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.917	63	431	1.167	ug/l	100
59) 2-Hexanone	10.898	43	641	1.296	ug/l #	28
73) Isopropylbenzene	12.300	105	10735	1.525	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	45155	50.296	ug/l #	100
77) Bromobenzene	12.434	156	19651	11.600	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	45155	103.633	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	12040	1.995	ug/l #	51
90) Hexachloroethane	13.977	117	1371	1.145	ug/l #	11

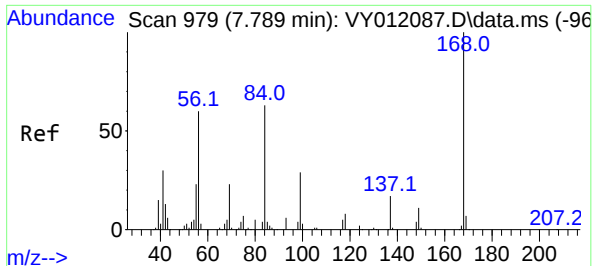
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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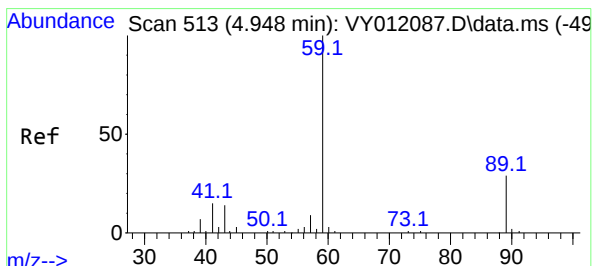
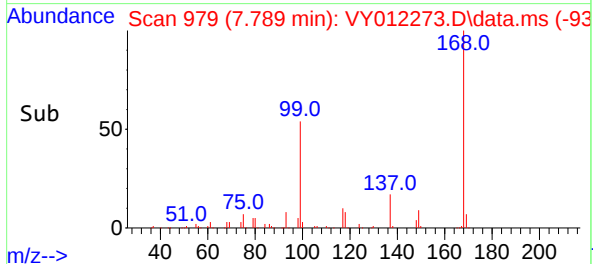
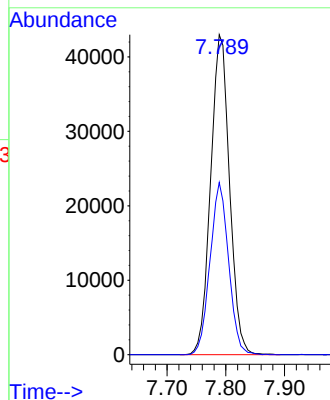
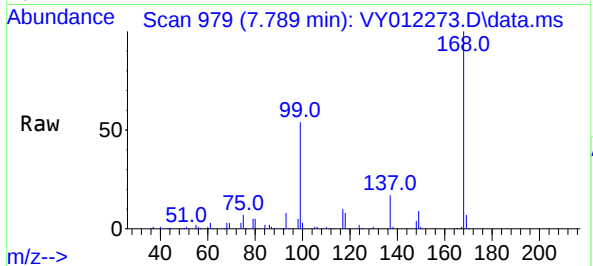




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

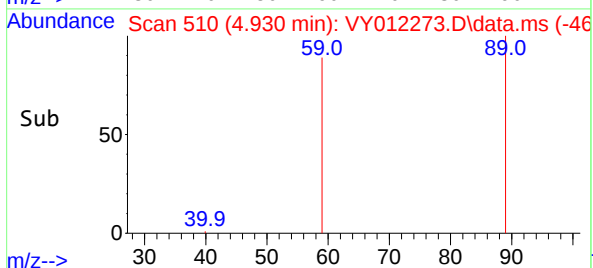
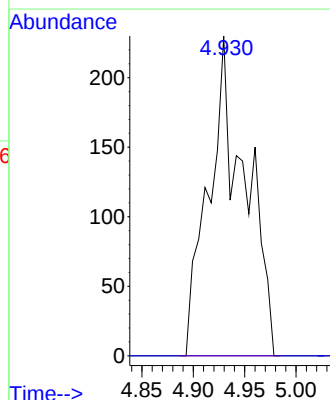
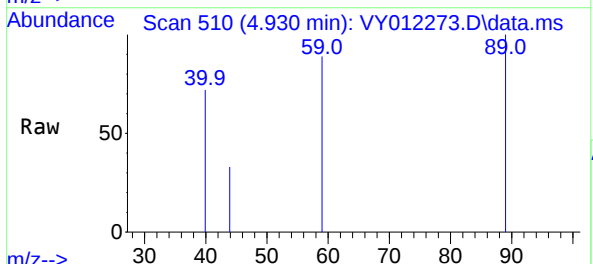
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

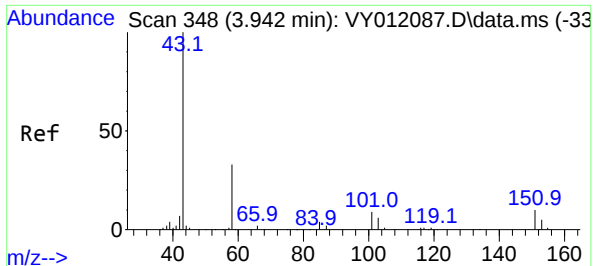
Tgt Ion:168 Resp: 95987
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 59 Resp: 565
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

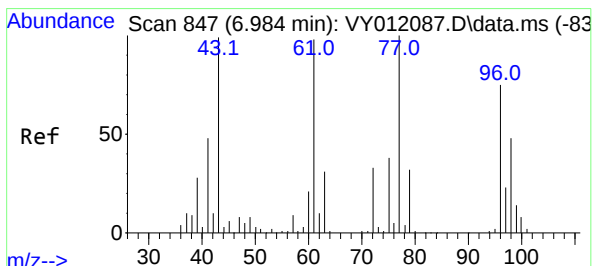
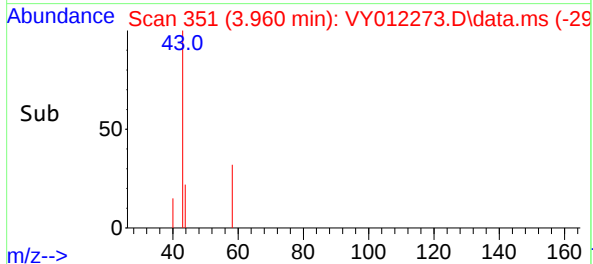
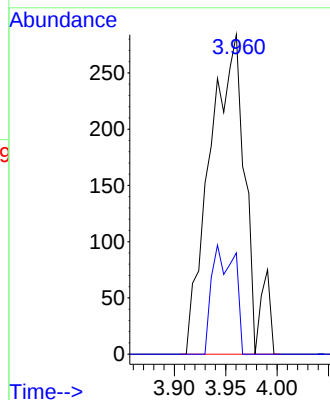
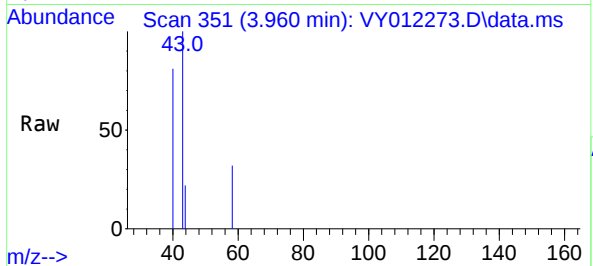




#16
Acetone
Concen: 2.615 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

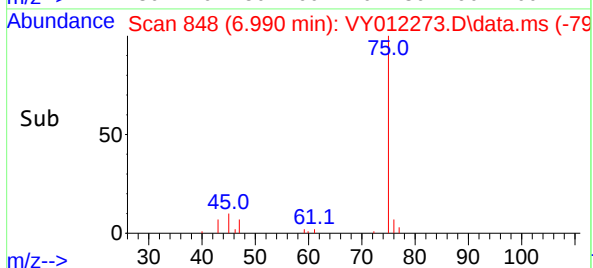
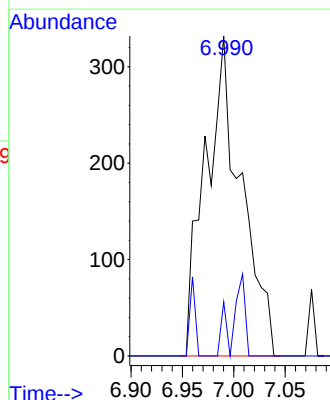
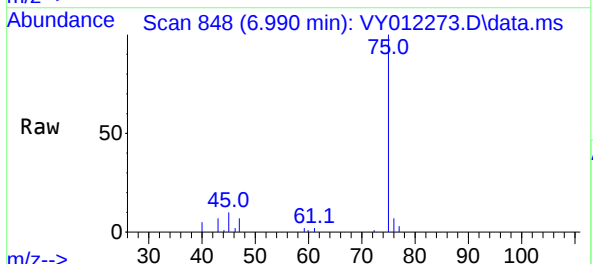
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

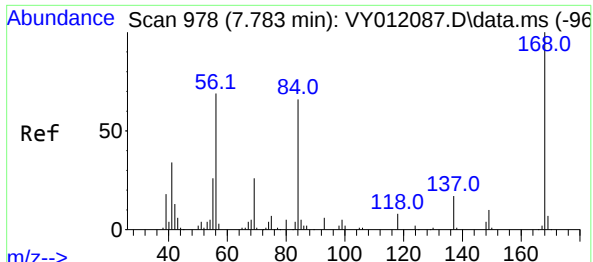
Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
58 31.7 27.9 41.9



#25
2-Butanone
Concen: 2.725 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
72 16.9 22.6 34.0#

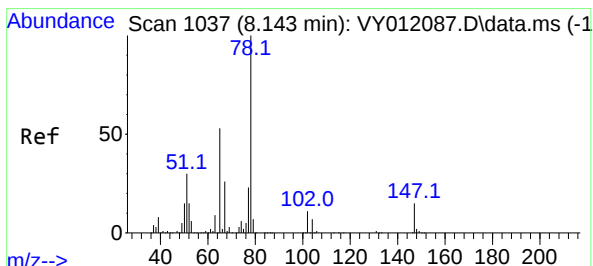
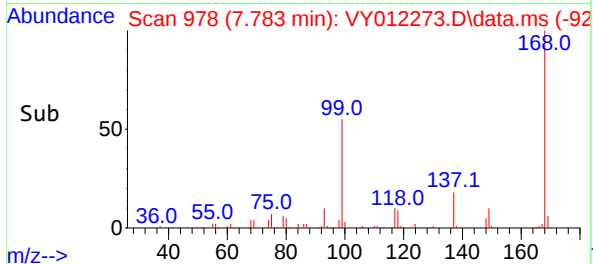
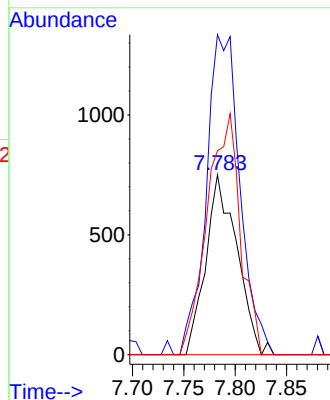
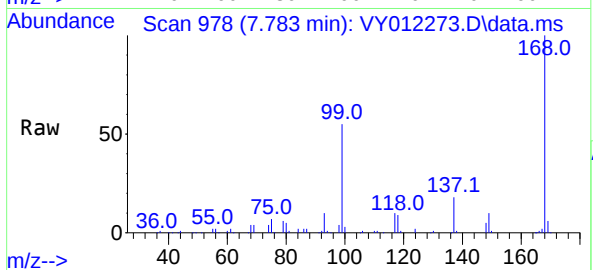




#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

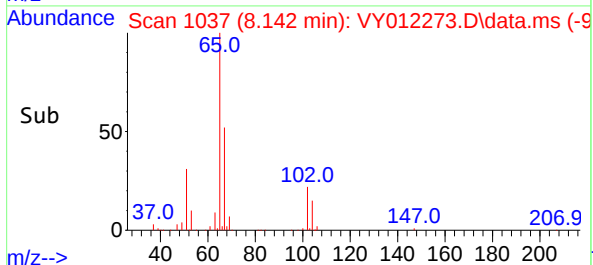
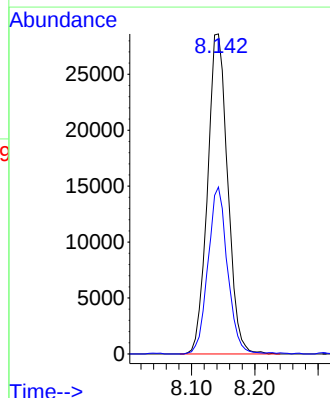
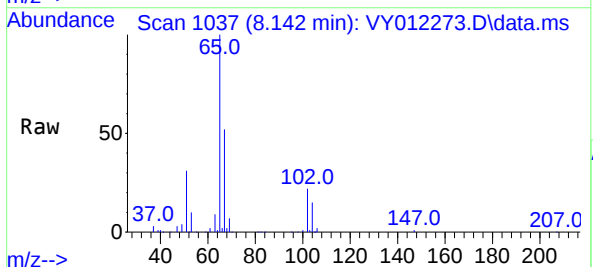
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

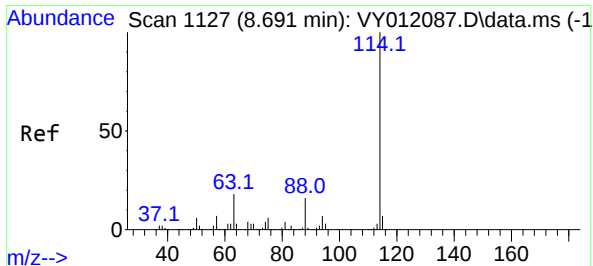
Tgt Ion: 56 Resp: 1587
Ion Ratio Lower Upper
56 100
69 178.0 29.2 43.8#
84 113.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 82.106 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 65 Resp: 63317
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.2



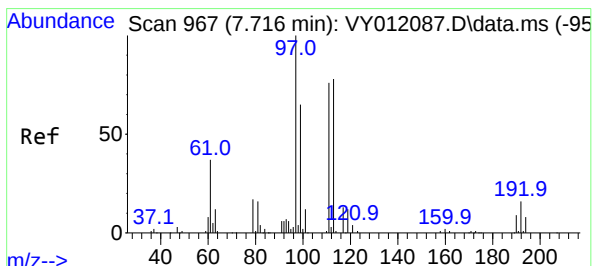
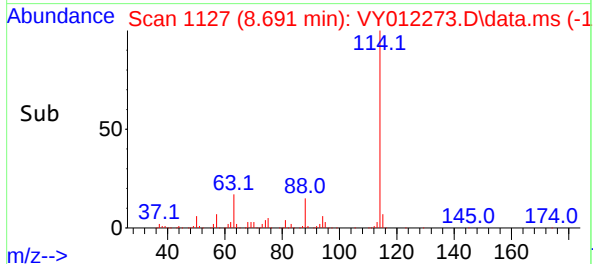
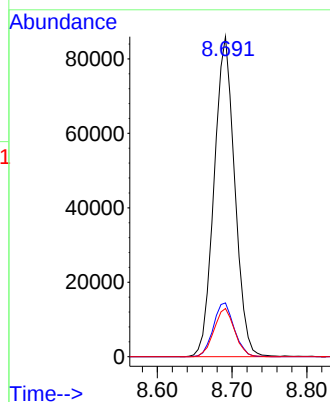
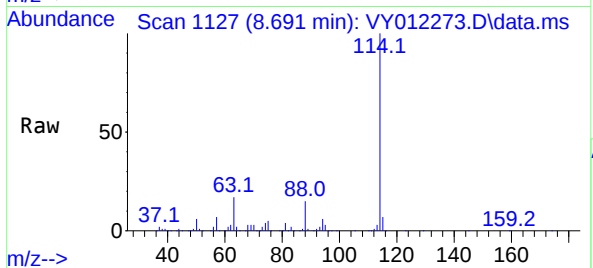


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :
PE-4

Tgt Ion:114 Resp: 165002

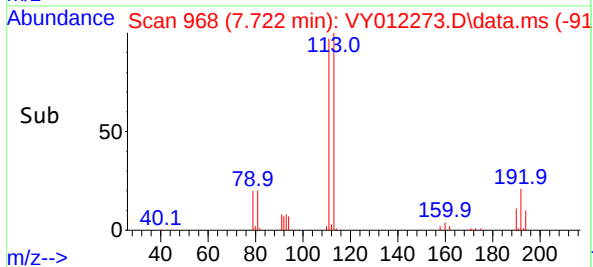
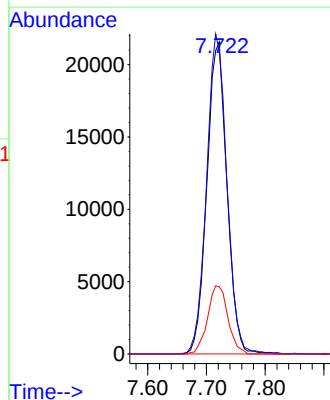
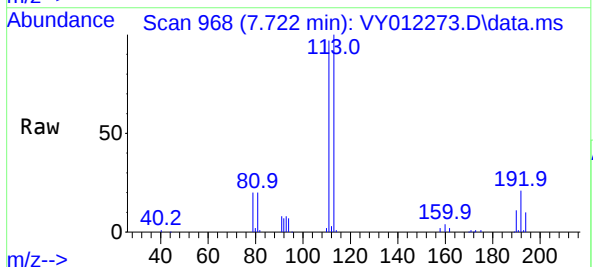
Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	39.6
88	15.0	0.0	32.2

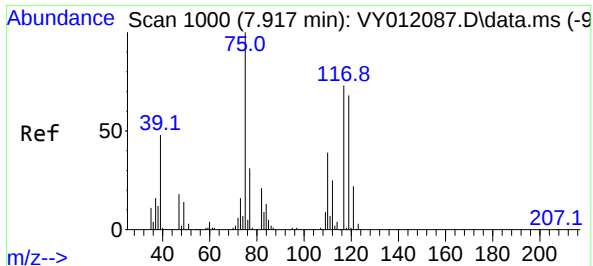


#35
Dibromofluoromethane
Concen: 58.495 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion:113 Resp: 51106

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.0	124.4
192	22.1	16.0	24.0

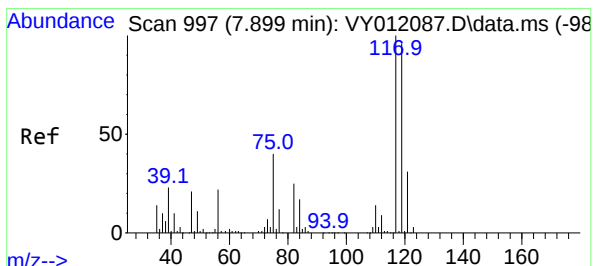
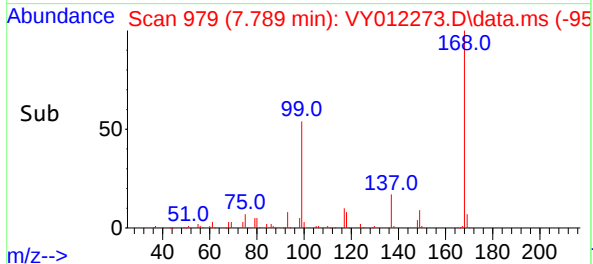
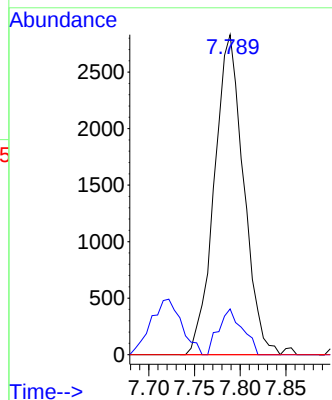
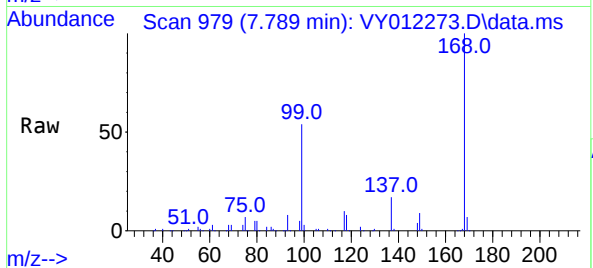




#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

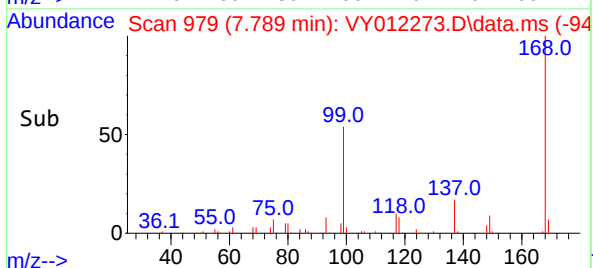
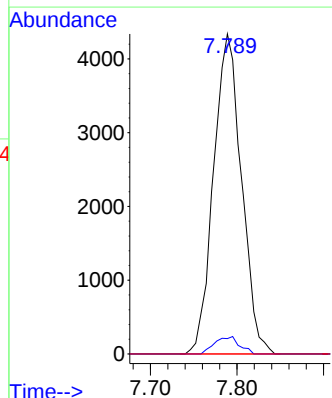
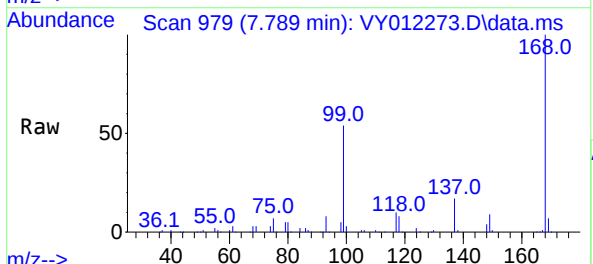
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

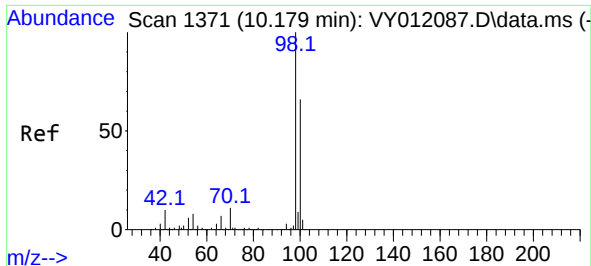
Tgt Ion: 75 Resp: 6302
Ion Ratio Lower Upper
75 100
110 11.6 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.069 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 117 Resp: 9720
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#

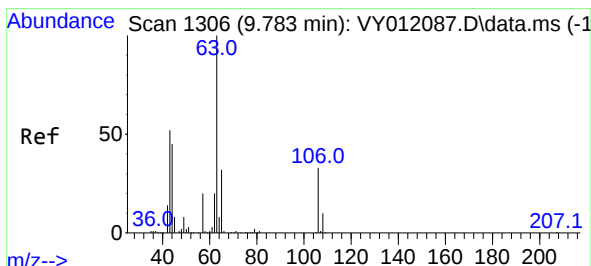
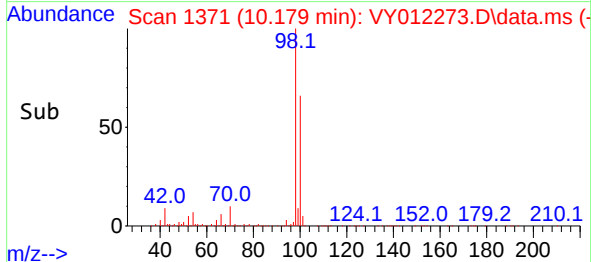
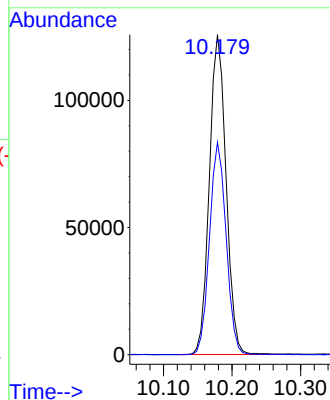
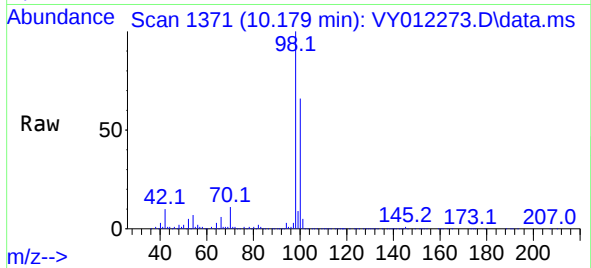




#50
Toluene-d8
Concen: 72.447 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

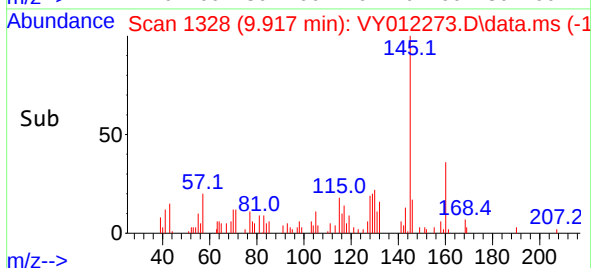
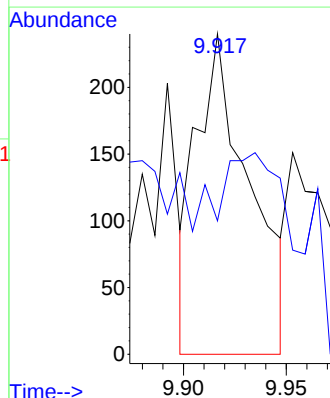
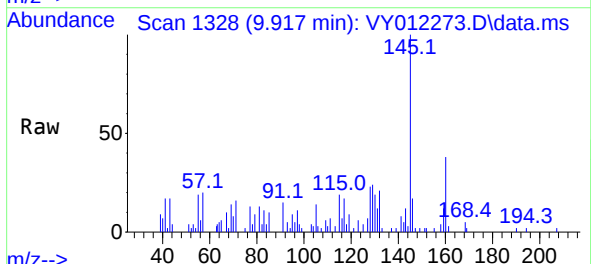
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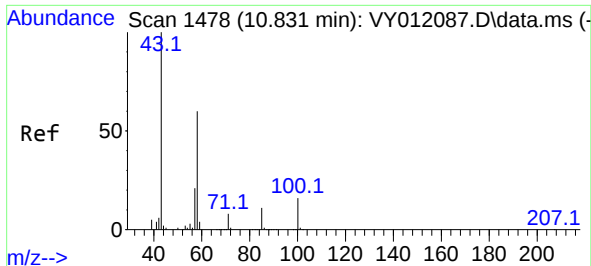
Tgt Ion: 98 Resp: 213422
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



#58
2-Chloroethyl Vinyl ether
Concen: 1.167 ug/l
RT: 9.917 min Scan# 1328
Delta R.T. 0.134 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 63 Resp: 431
Ion Ratio Lower Upper
63 100
106 29.0 23.2 34.8

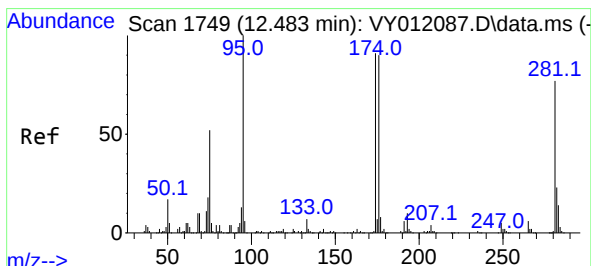
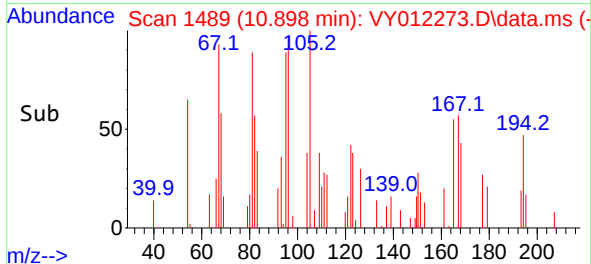
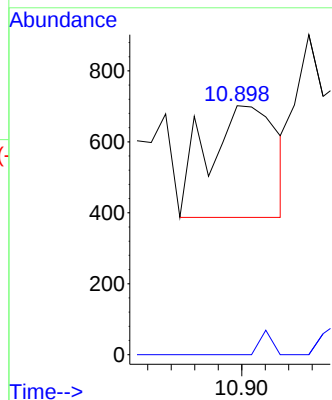
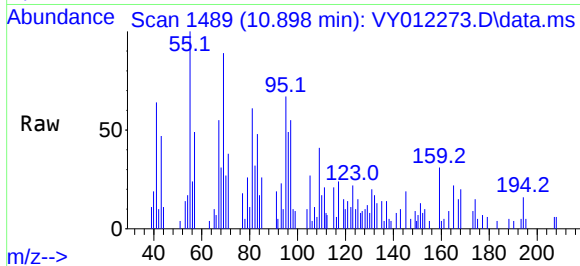




#59
2-Hexanone
Concen: 1.296 ug/l
RT: 10.898 min Scan# 1478
Delta R.T. 0.067 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

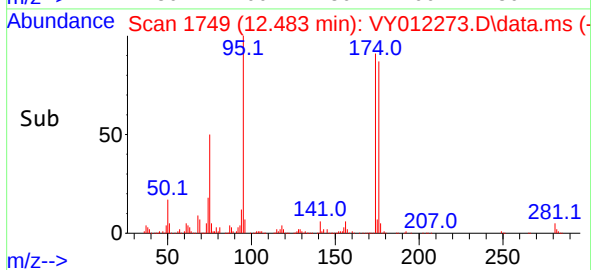
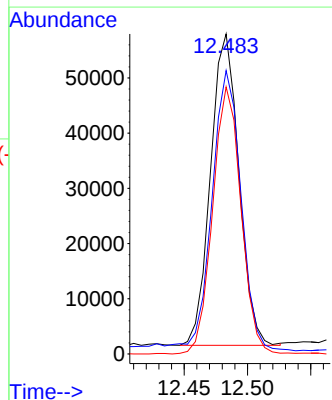
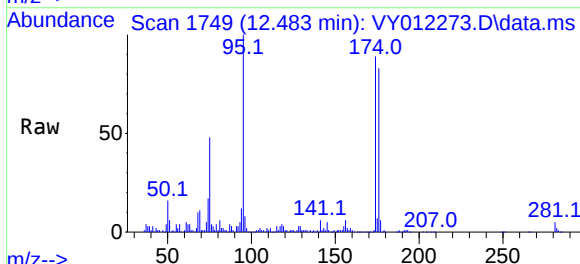
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

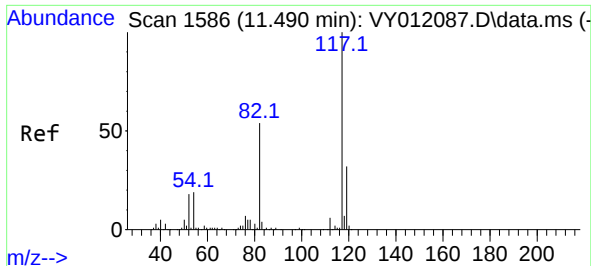
Tgt Ion: 43 Resp: 641
Ion Ratio Lower Upper
43 100
58 3.9 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 71.351 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 95 Resp: 87878
Ion Ratio Lower Upper
95 100
174 91.8 0.0 172.0
176 85.7 0.0 167.6

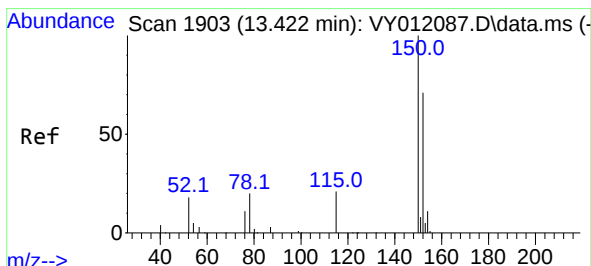
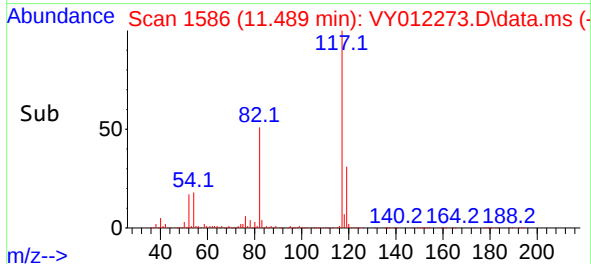
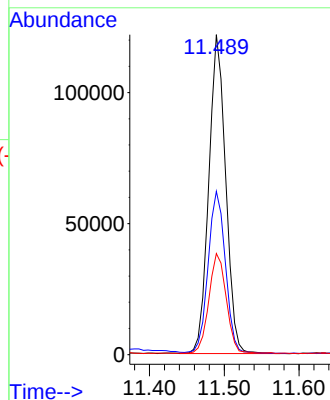
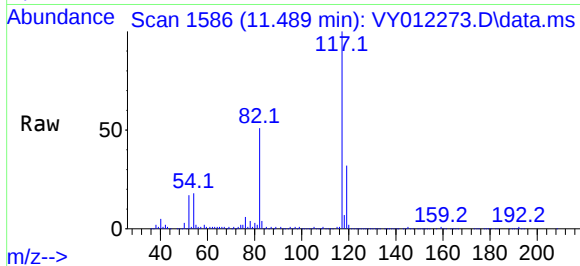




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

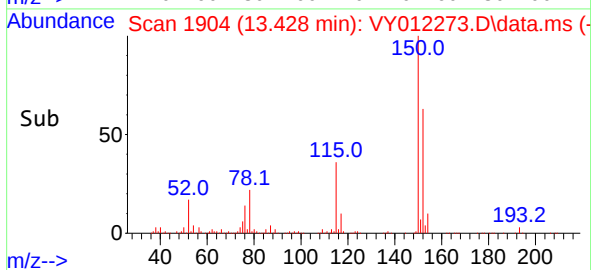
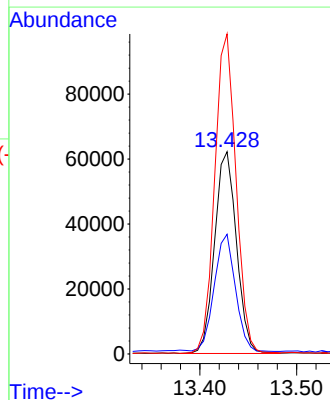
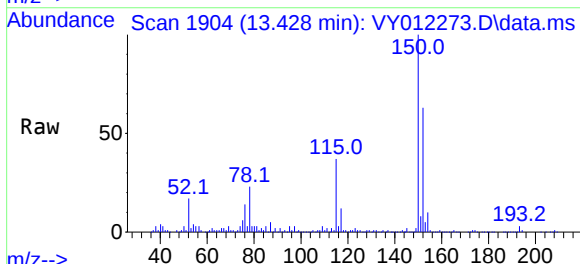
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

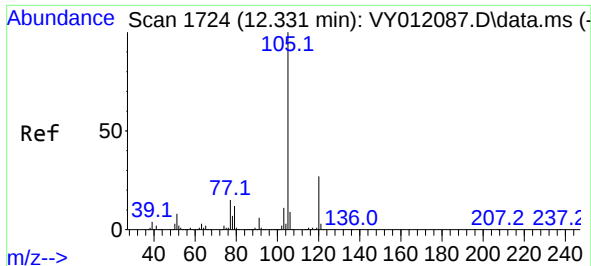
Tgt Ion:117 Resp: 191231
Ion Ratio Lower Upper
117 100
82 50.8 44.8 67.2
119 31.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion:152 Resp: 97634
Ion Ratio Lower Upper
152 100
115 56.4 29.1 87.3
150 153.5 0.0 342.6

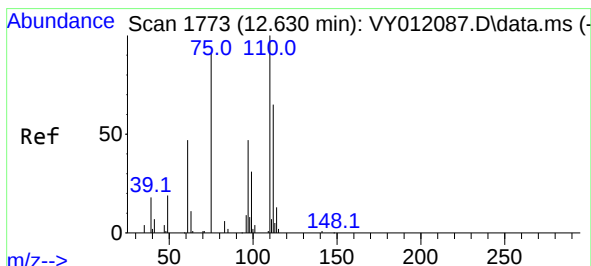
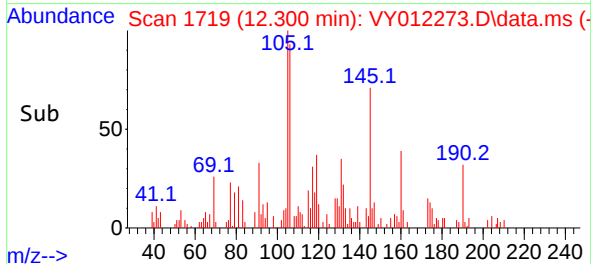
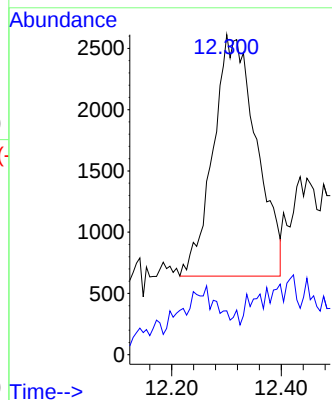
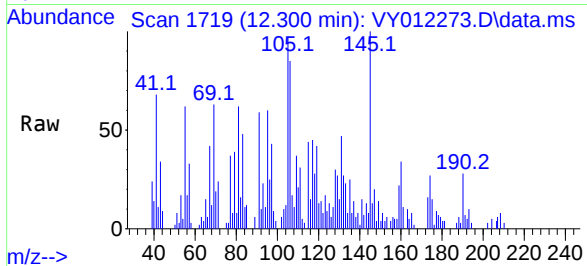




#73
Isopropylbenzene
Concen: 1.525 ug/l
RT: 12.300 min Scan# 11
Delta R.T. -0.031 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

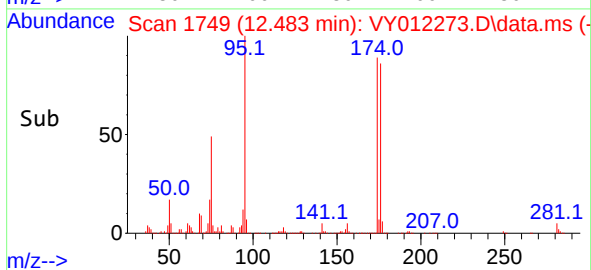
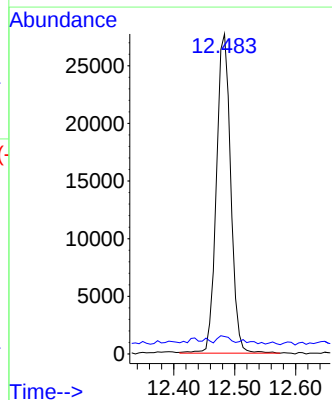
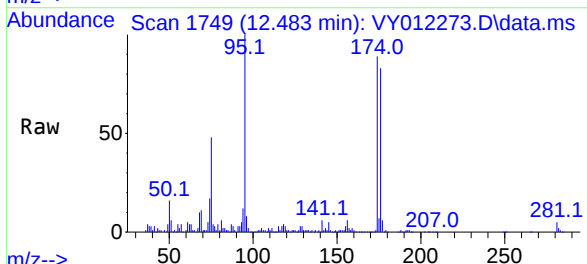
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

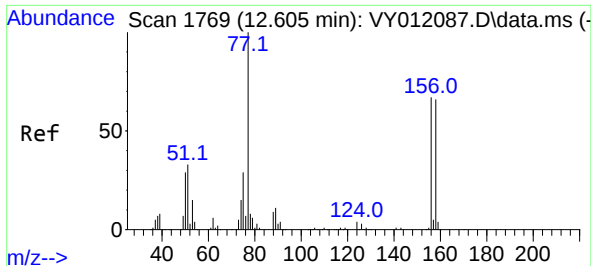
Tgt Ion:105 Resp: 10735
Ion Ratio Lower Upper
105 100
120 0.0 13.2 39.6#



#76
1,2,3-Trichloropropane
Concen: 50.296 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 75 Resp: 45155
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

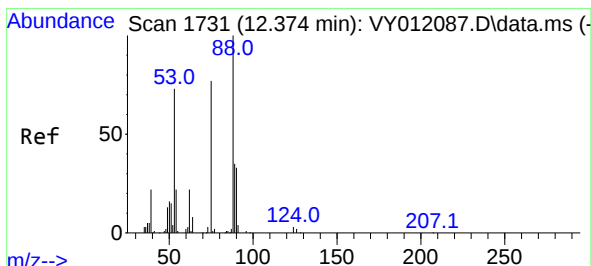
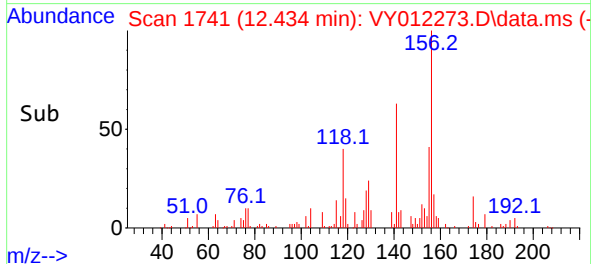
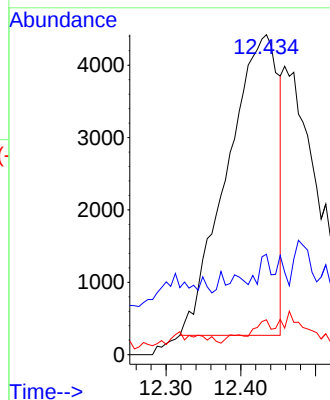
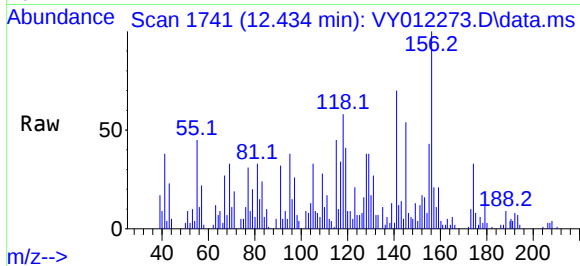




#77
Bromobenzene
Concen: 11.600 ug/l
RT: 12.434 min Scan# 1741
Delta R.T. -0.171 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

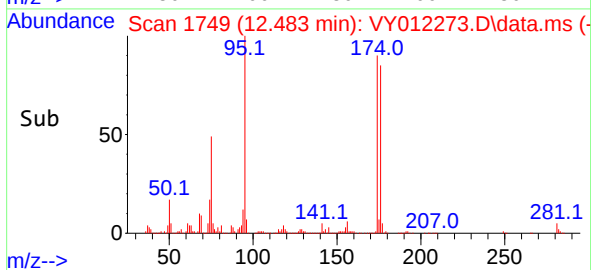
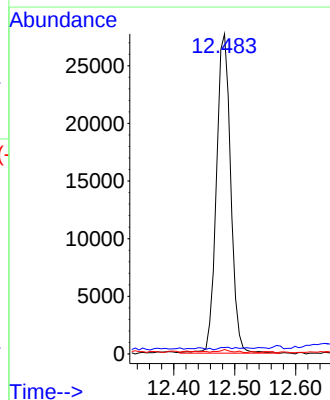
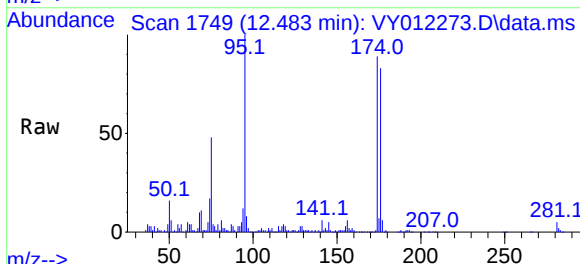
Instrument :
MSVOA_Y
ClientSampleId :
PE-4

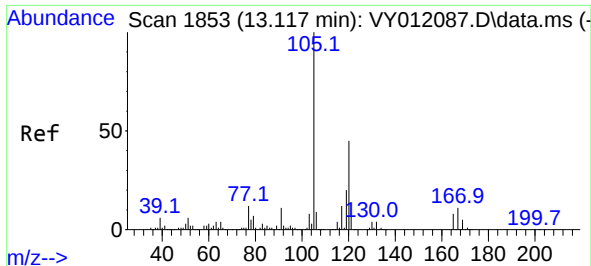
Tgt Ion:156 Resp: 19651
Ion Ratio Lower Upper
156 100
77 2.7 90.0 270.0#
158 2.2 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.633 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion: 75 Resp: 45155
Ion Ratio Lower Upper
75 100
53 0.6 72.5 108.7#
89 0.9 37.0 55.4#

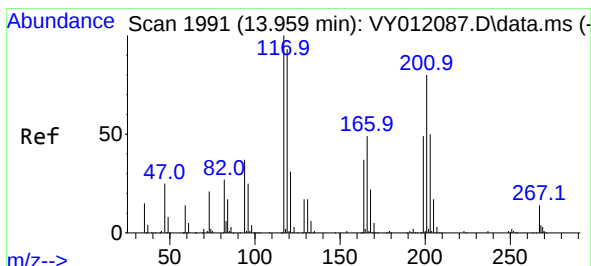
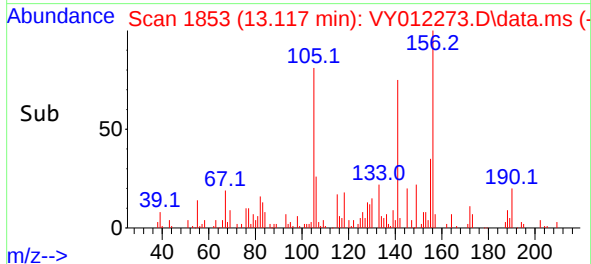
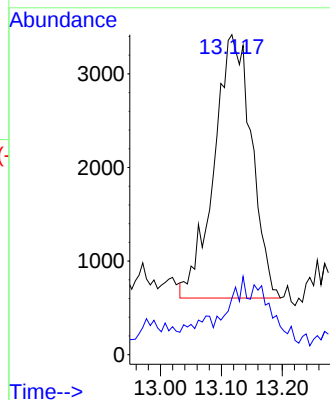
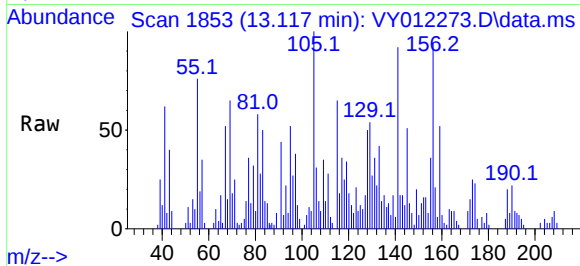




#84
1,2,4-Trimethylbenzene
Concen: 1.995 ug/l
RT: 13.117 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Instrument :
MSVOA_Y
ClientSampleId :
PE-4

Tgt Ion:105 Resp: 12040
Ion Ratio Lower Upper
105 100
120 13.6 22.9 68.7#



#90
Hexachloroethane
Concen: 1.145 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY012273.D
Acq: 19 Jan 2023 18:08

Tgt Ion:117 Resp: 1371
Ion Ratio Lower Upper
117 100
201 1.3 40.3 120.8#

