

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062123\
 Data File : VY014369.D
 Acq On : 22 Jun 2023 08:05
 Operator : KP/MD
 Sample : 03362-12
 Misc : 13.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-12-13-SB-12-GRAB-5

Quant Time: Jun 22 08:56:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

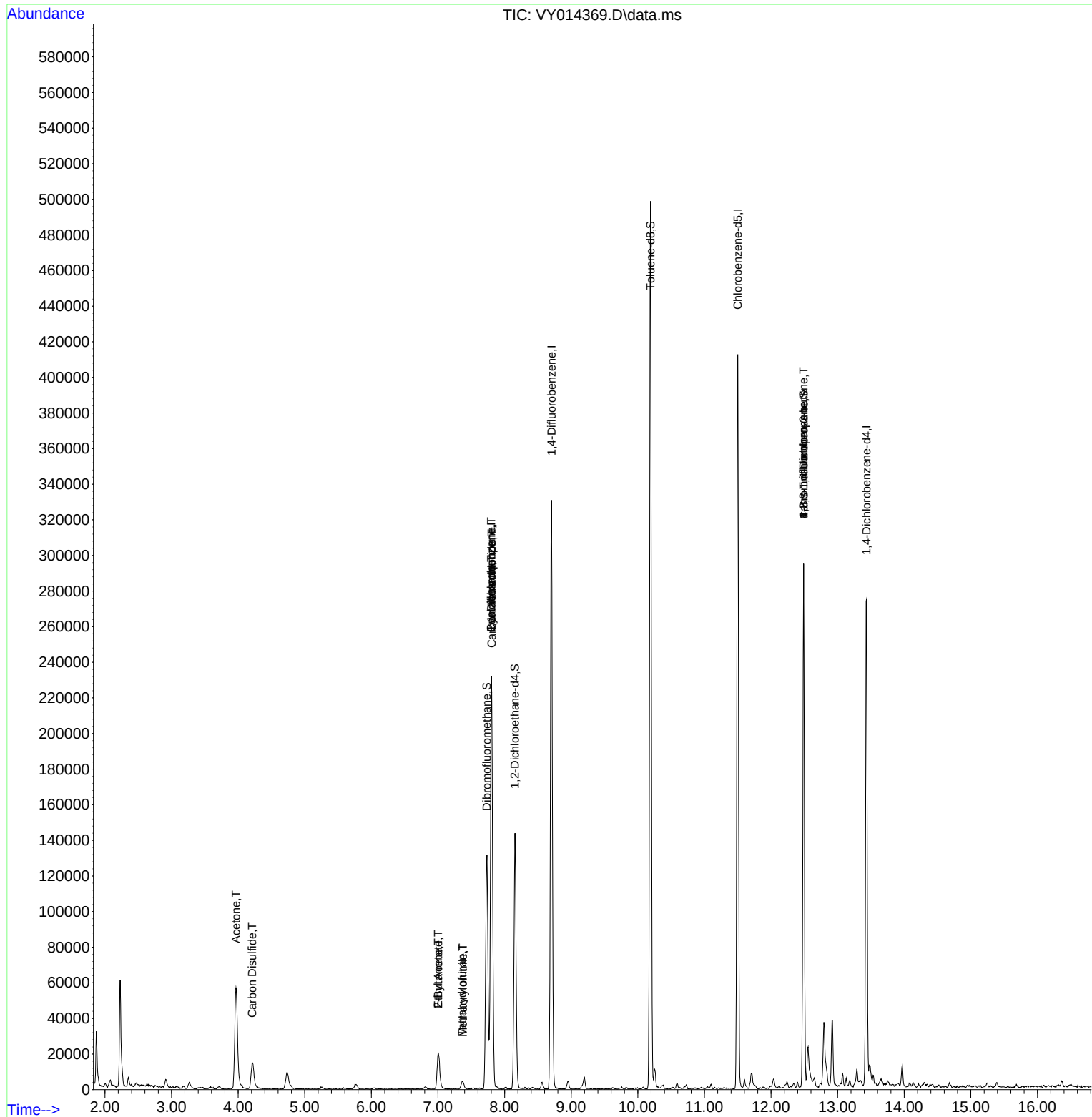
Internal Standards						
1) Pentafluorobenzene	7.801	168	176199	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	274877	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	228742	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	73315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	115882	47.229	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.460%		
35) Dibromofluoromethane	7.734	113	90917	46.639	ug/l	0.02
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.280%		
50) Toluene-d8	10.191	98	326270	44.769	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.489	95	80959	31.272	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	62.540%		
Target Compounds						
11) Tert butyl alcohol	4.966	59	204	Below Cal	#	89
13) Acrolein	3.729	56	62	Below Cal	#	1
16) Acetone	3.966	43	107036	144.723	ug/l	99
17) Carbon Disulfide	4.210	76	26343	4.041	ug/l	99
20) Methylene Chloride	4.741	84	6628	Below Cal		90
25) 2-Butanone	7.002	43	28470	31.272	ug/l	97
29) Tetrahydrofuran	7.362	42	3195	5.534	ug/l	90
31) Cyclohexane	7.801	56	5387	1.639	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	12894	4.243	ug/l #	53
37) Ethyl Acetate	7.002	43	28470	13.577	ug/l #	83
38) Carbon Tetrachloride	7.807	117	17286	4.929	ug/l #	16
41) Methacrylonitrile	7.374	41	2297	2.146	ug/l #	40
76) 1,2,3-Trichloropropane	12.489	75	43948	45.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	43948	98.764	ug/l #	11

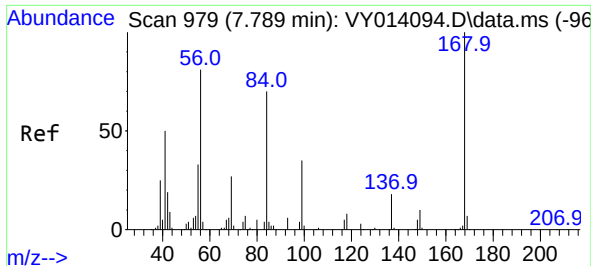
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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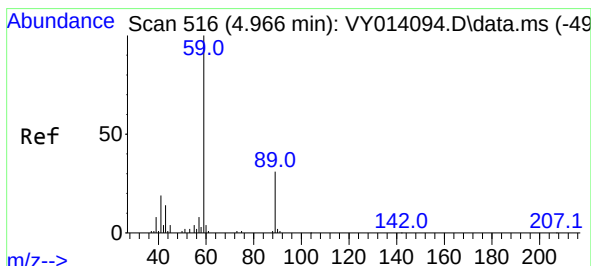
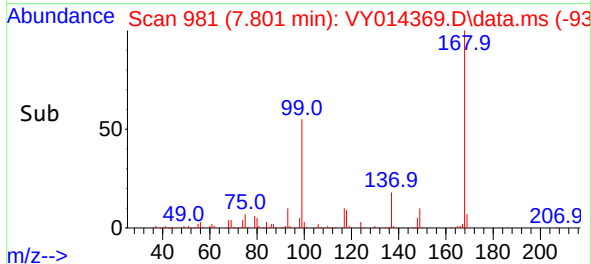
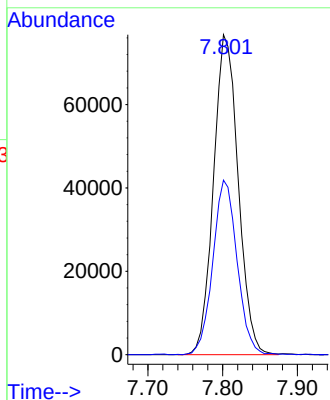
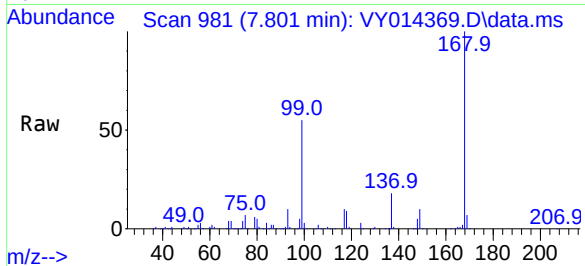




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

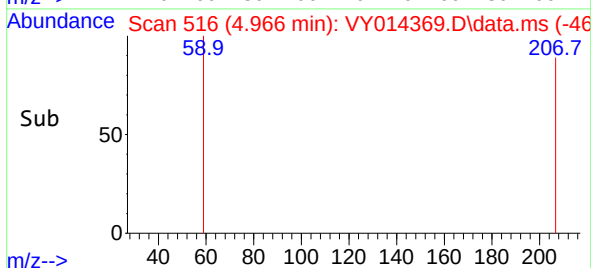
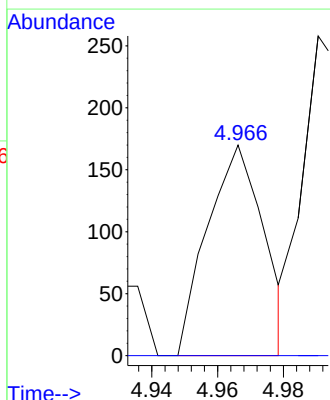
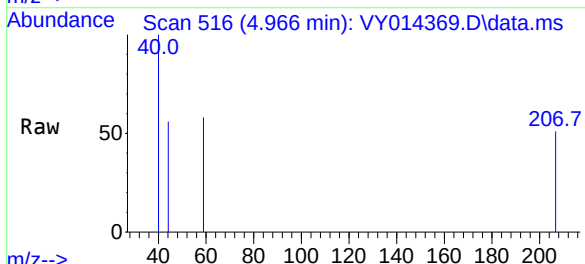
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

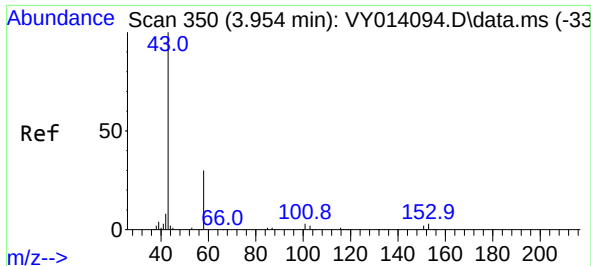
Tgt Ion:168 Resp: 176199
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

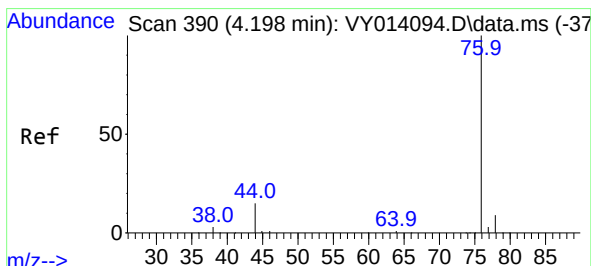
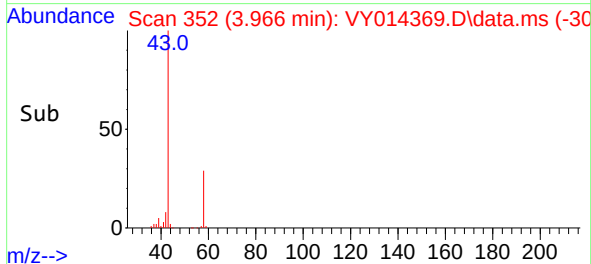
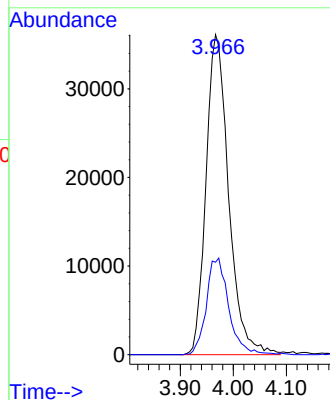
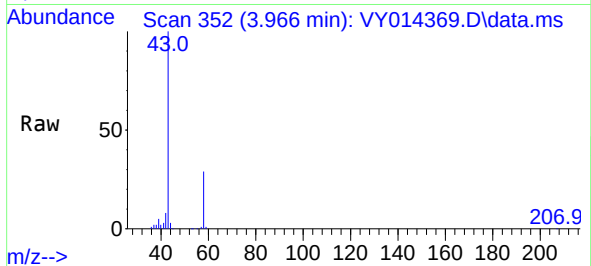




#16
Acetone
Concen: 144.723 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

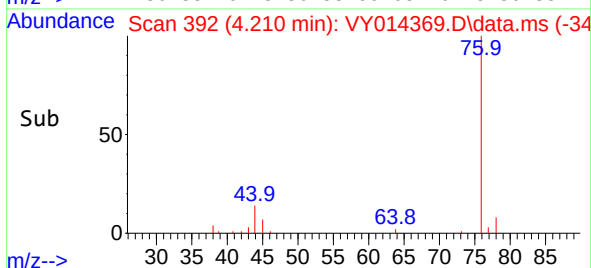
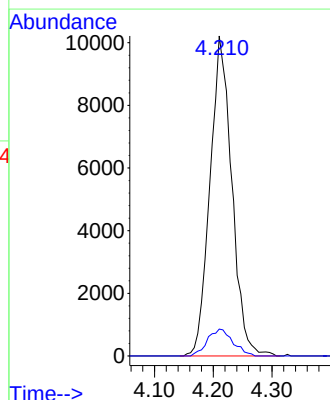
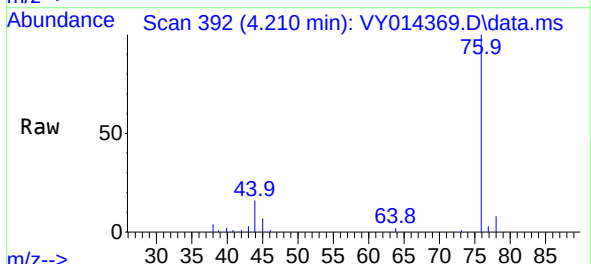
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

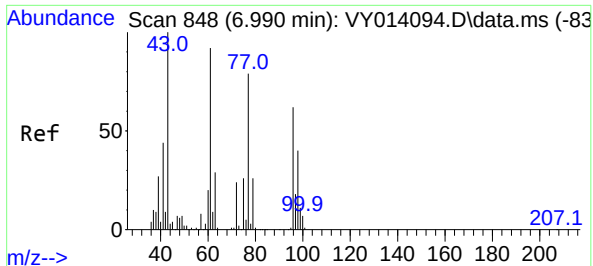
Tgt Ion: 43 Resp: 107036
Ion Ratio Lower Upper
43 100
58 28.9 22.7 34.1



#17
Carbon Disulfide
Concen: 4.041 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 76 Resp: 26343
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4

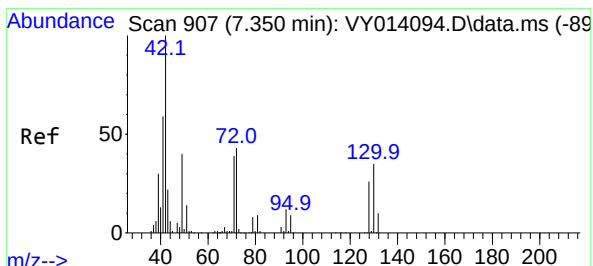
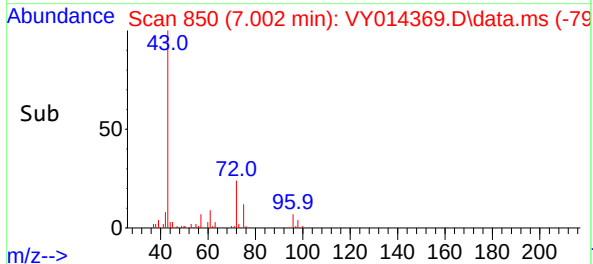
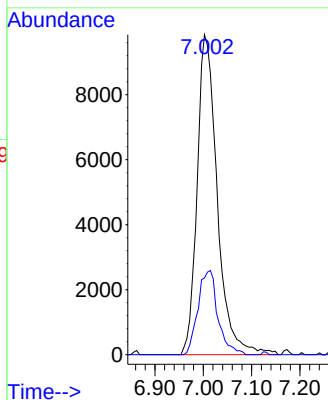
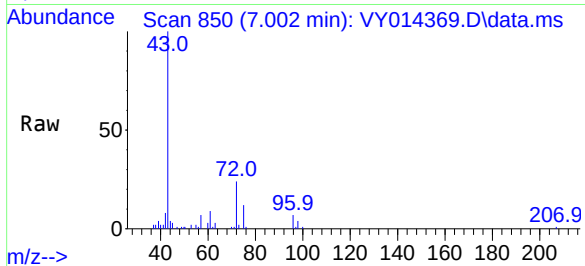




#25
2-Butanone
Concen: 31.272 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

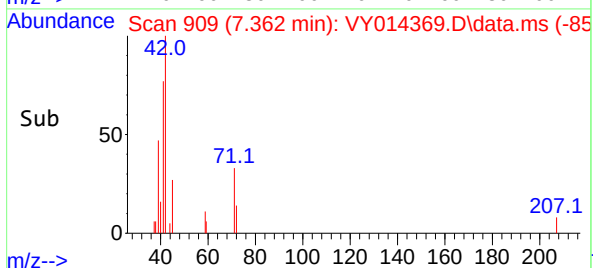
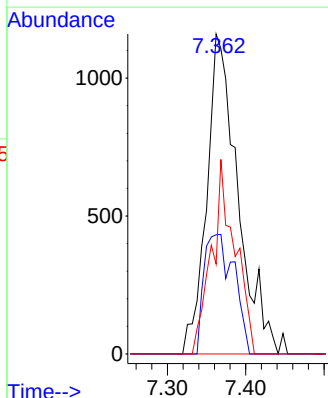
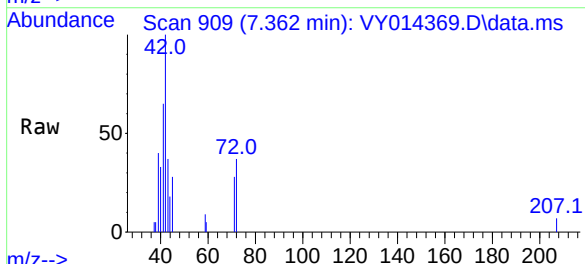
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

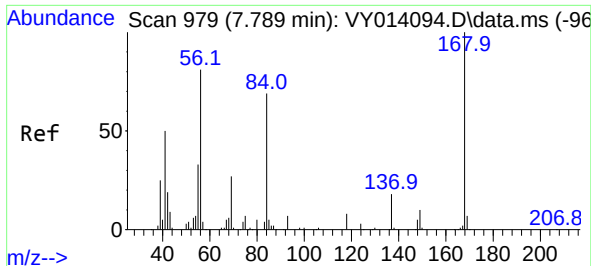
Tgt Ion: 43 Resp: 28470
Ion Ratio Lower Upper
43 100
72 23.9 20.5 30.7



#29
Tetrahydrofuran
Concen: 5.534 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 42 Resp: 3195
Ion Ratio Lower Upper
42 100
72 35.9 32.8 49.2
71 45.7 31.0 46.4

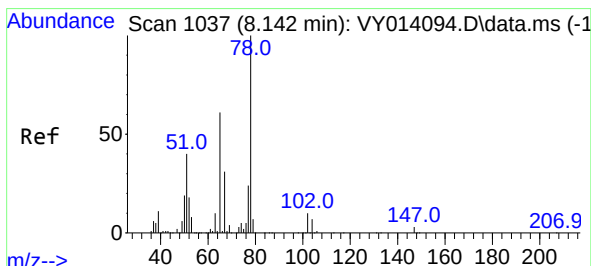
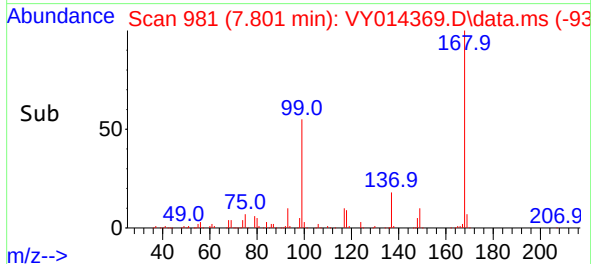
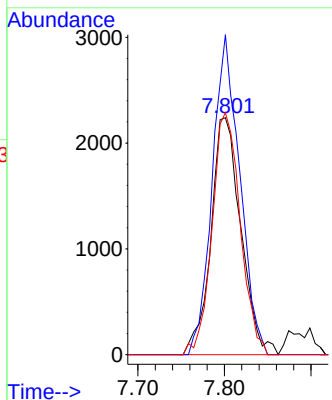
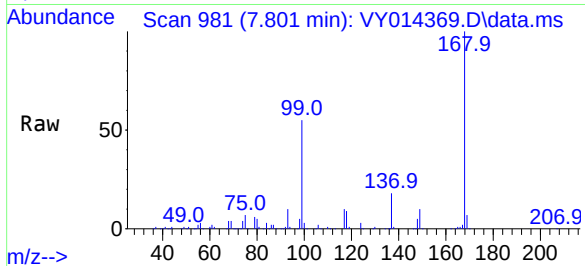




#31
Cyclohexane
Concen: 1.639 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

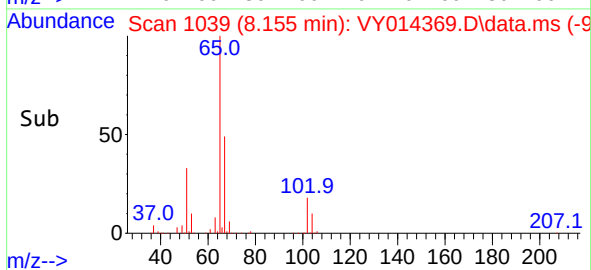
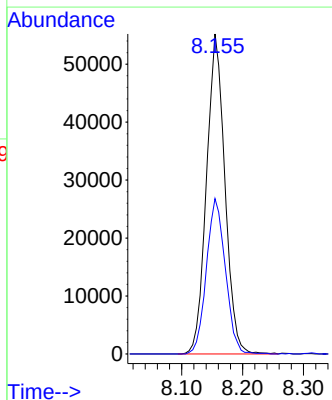
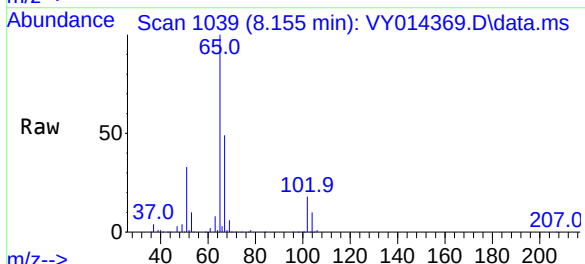
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

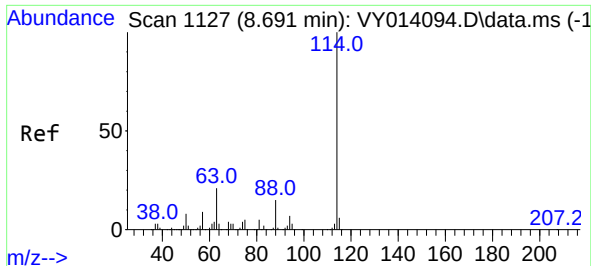
Tgt Ion: 56 Resp: 5387
Ion Ratio Lower Upper
56 100
69 135.0 27.8 41.6#
84 102.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 47.229 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.013 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 65 Resp: 115882
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

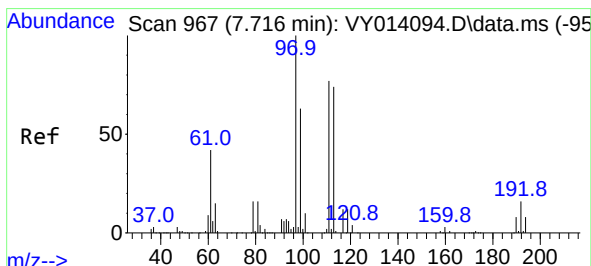
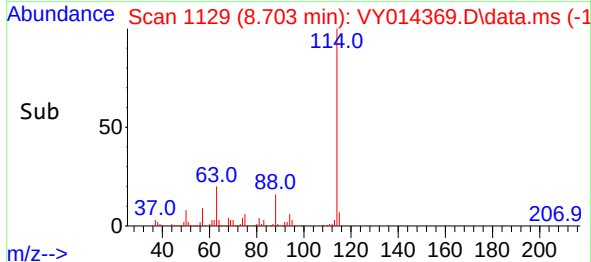
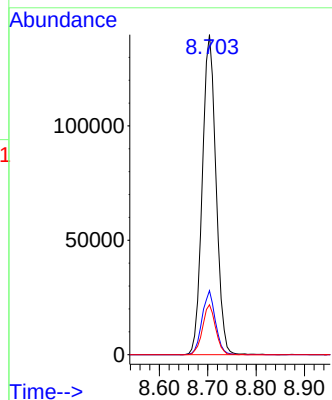
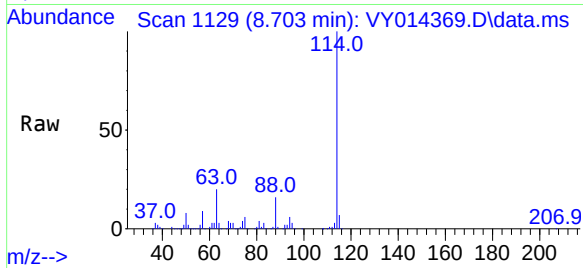




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

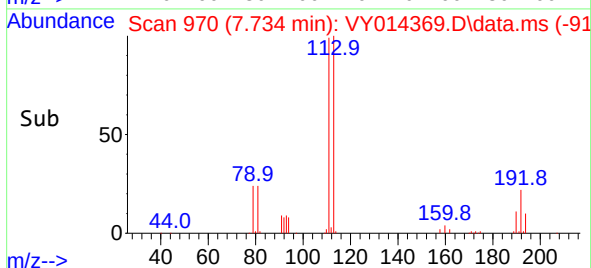
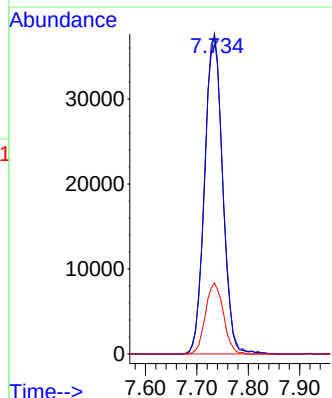
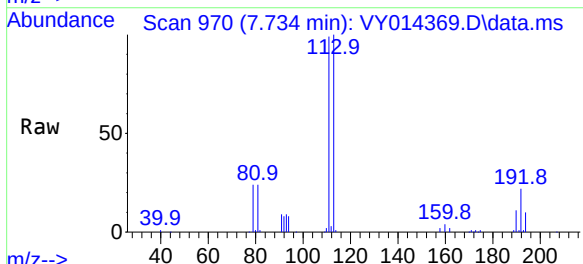
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ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

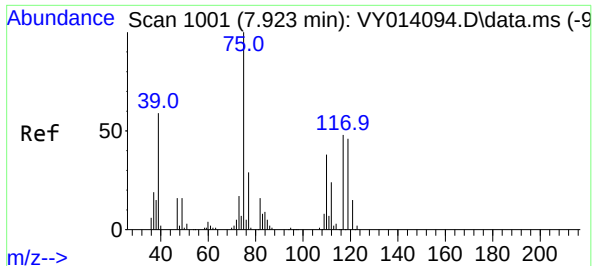
Tgt Ion:	114	Resp:	274877
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	15.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 46.639 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.018 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion:	113	Resp:	90917
Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.3	121.9
192	22.3	16.9	25.3

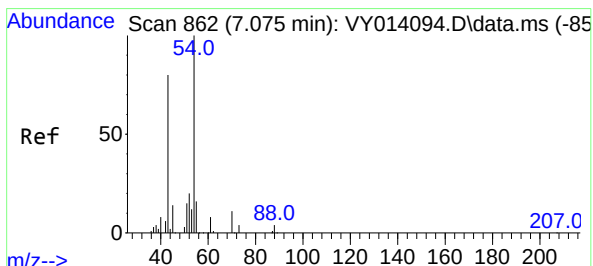
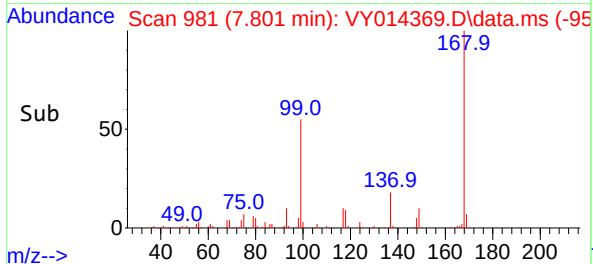
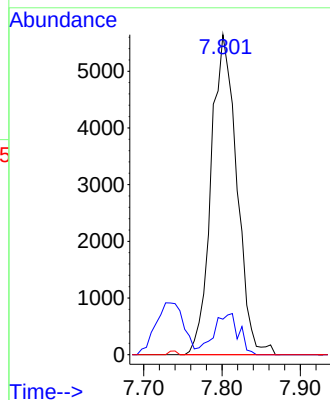
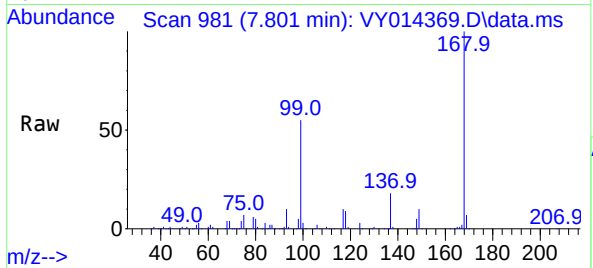




#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

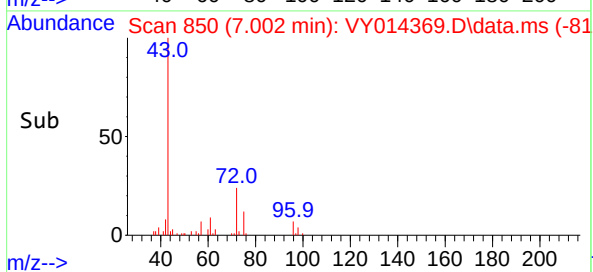
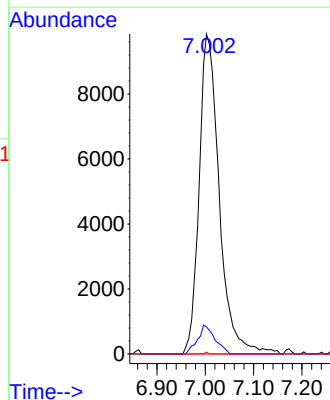
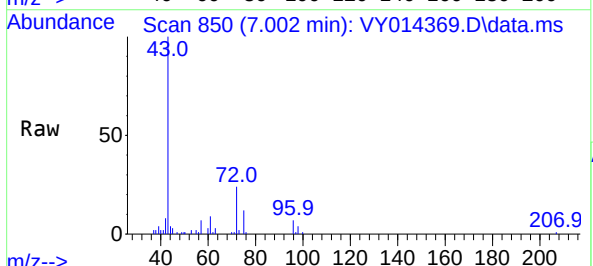
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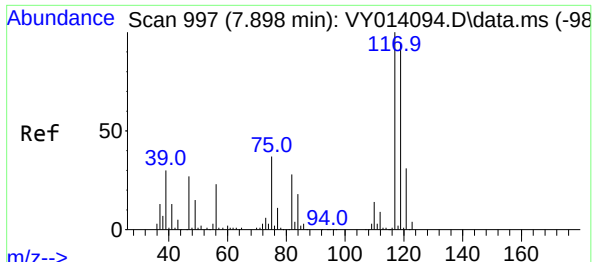
Tgt Ion: 75 Resp: 12894
Ion Ratio Lower Upper
75 100
110 12.3 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 13.577 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.073 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

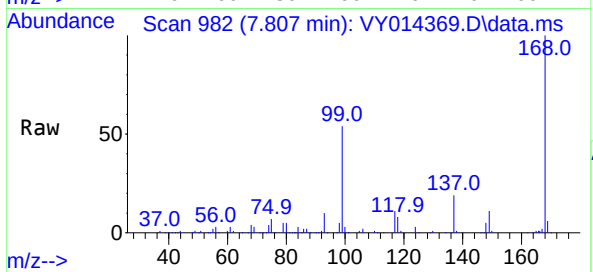
Tgt Ion: 43 Resp: 28470
Ion Ratio Lower Upper
43 100
61 7.7 10.1 15.1#
70 0.1 7.1 10.7#



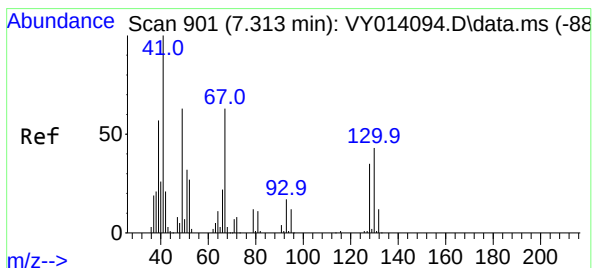
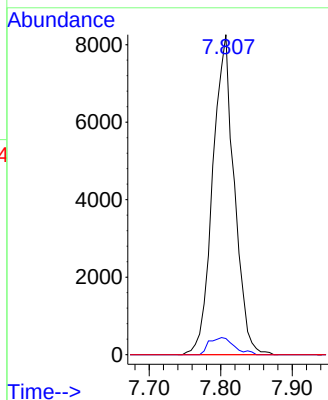
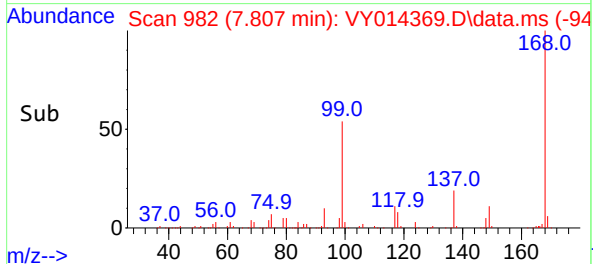


#38
Carbon Tetrachloride
Concen: 4.929 ug/l
RT: 7.807 min Scan# 911
Delta R.T. -0.091 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-12-13-SB-12-GRAB-5

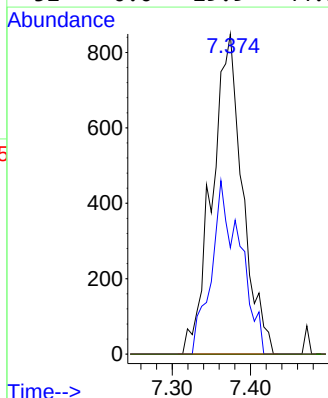
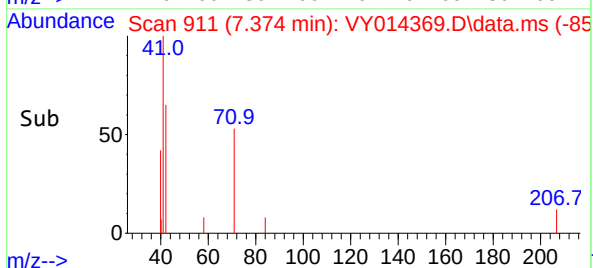
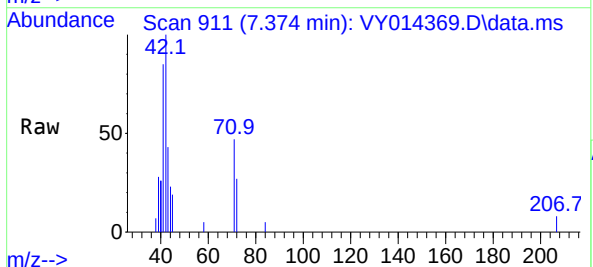


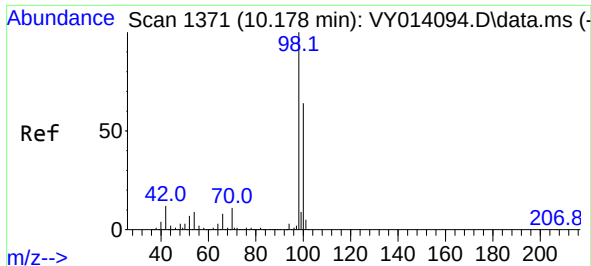
Tgt Ion: 117 Resp: 17286
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.146 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 41 Resp: 2297
Ion Ratio Lower Upper
41 100
39 51.3 52.1 78.1#
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

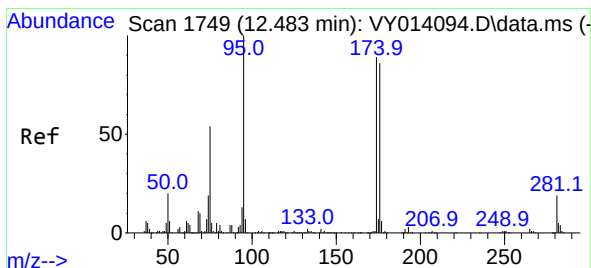
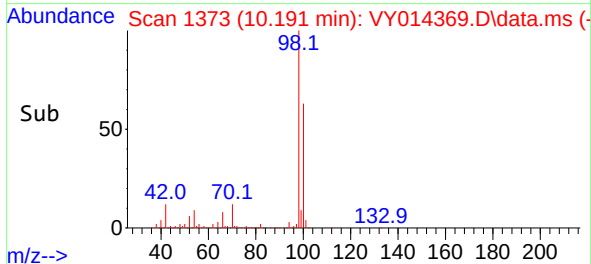
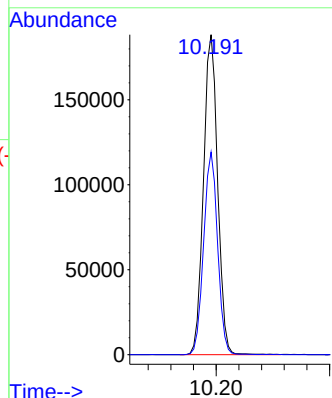
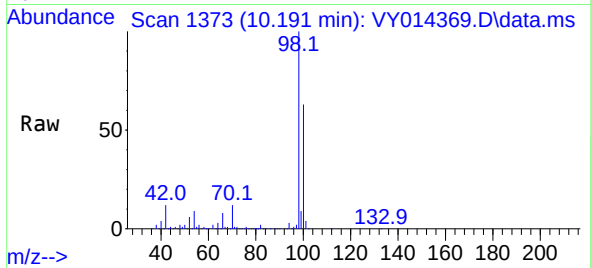




#50
Toluene-d8
Concen: 44.769 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

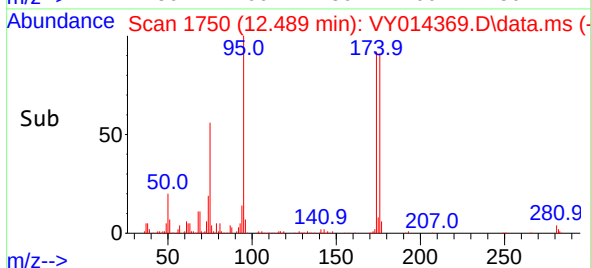
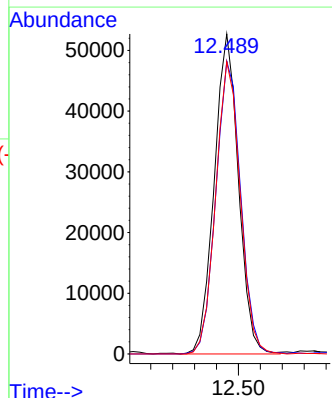
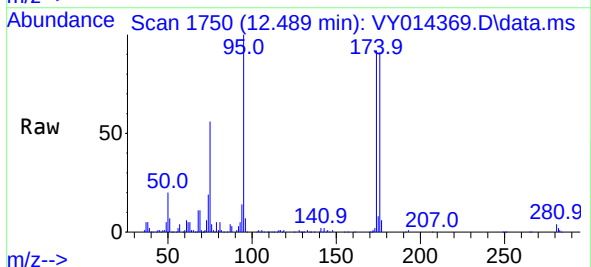
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

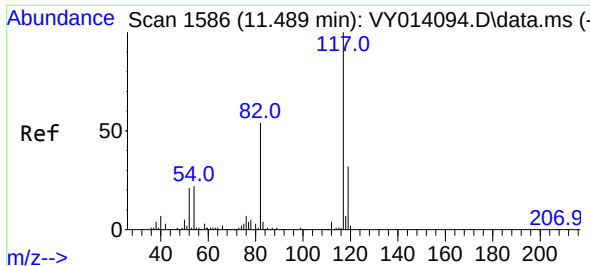
Tgt Ion: 98 Resp: 326270
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 31.272 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 95 Resp: 80959
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 92.2 0.0 173.8

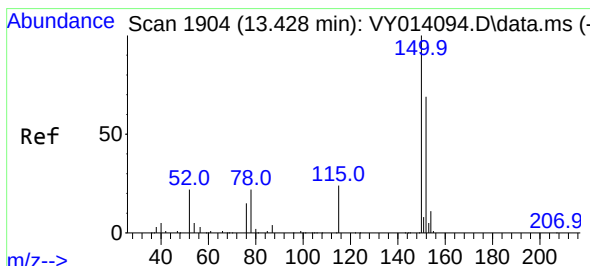
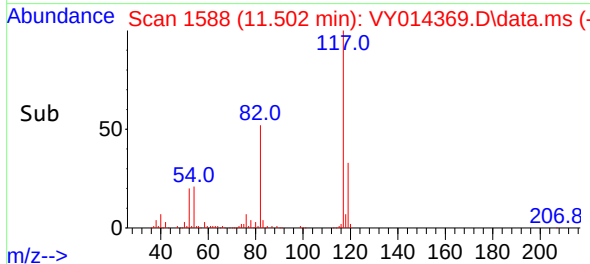
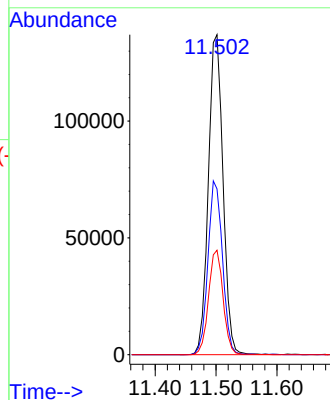
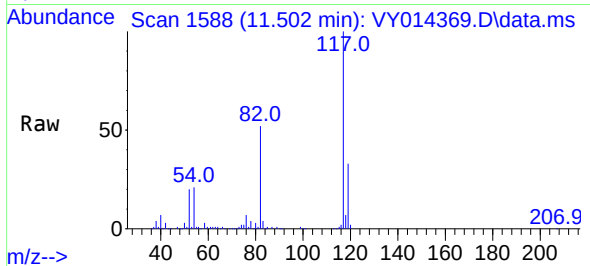




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

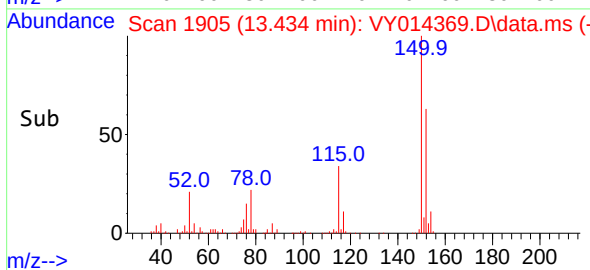
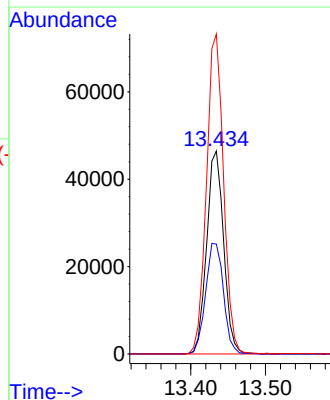
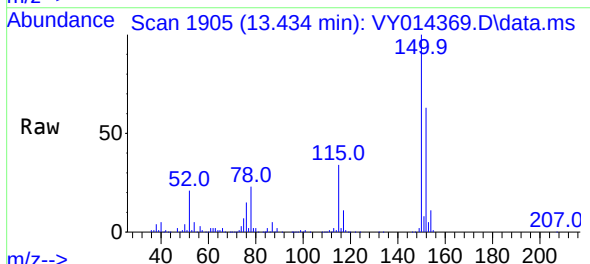
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-12-13-SB-12-GRAB-5

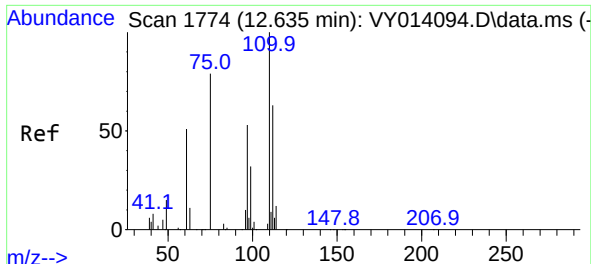
Tgt Ion:117 Resp: 228742
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion:152 Resp: 73315
Ion Ratio Lower Upper
152 100
115 57.5 28.8 86.5
150 158.1 0.0 348.8

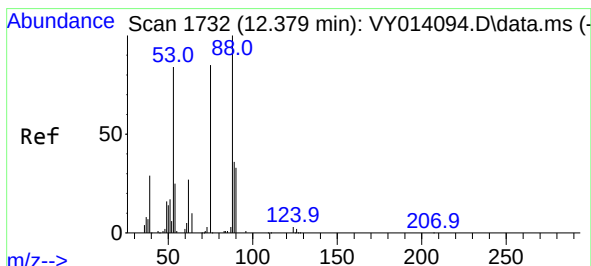
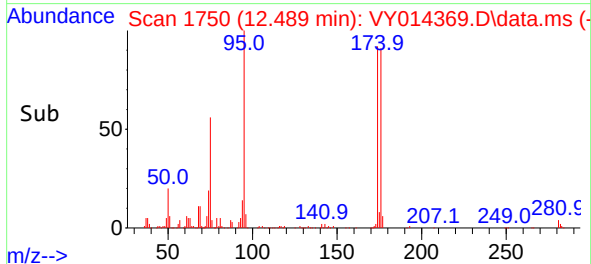
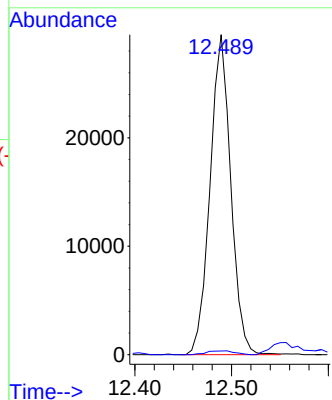
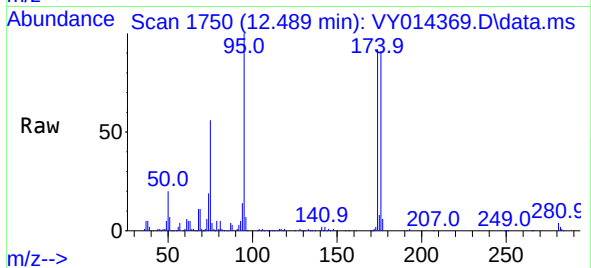




#76
1,2,3-Trichloropropane
Concen: 45.690 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-12-13-SB-12-GRAB-5

Tgt Ion: 75 Resp: 43948
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.764 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY014369.D
Acq: 22 Jun 2023 08:05

Tgt Ion: 75 Resp: 43948
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.8#
89 0.0 37.4 56.0#

