

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013929.D
 Acq On : 30 May 2023 19:03
 Operator : KP/MD
 Sample : 02852-15
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-69.5-051823

Quant Time: May 31 03:28:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

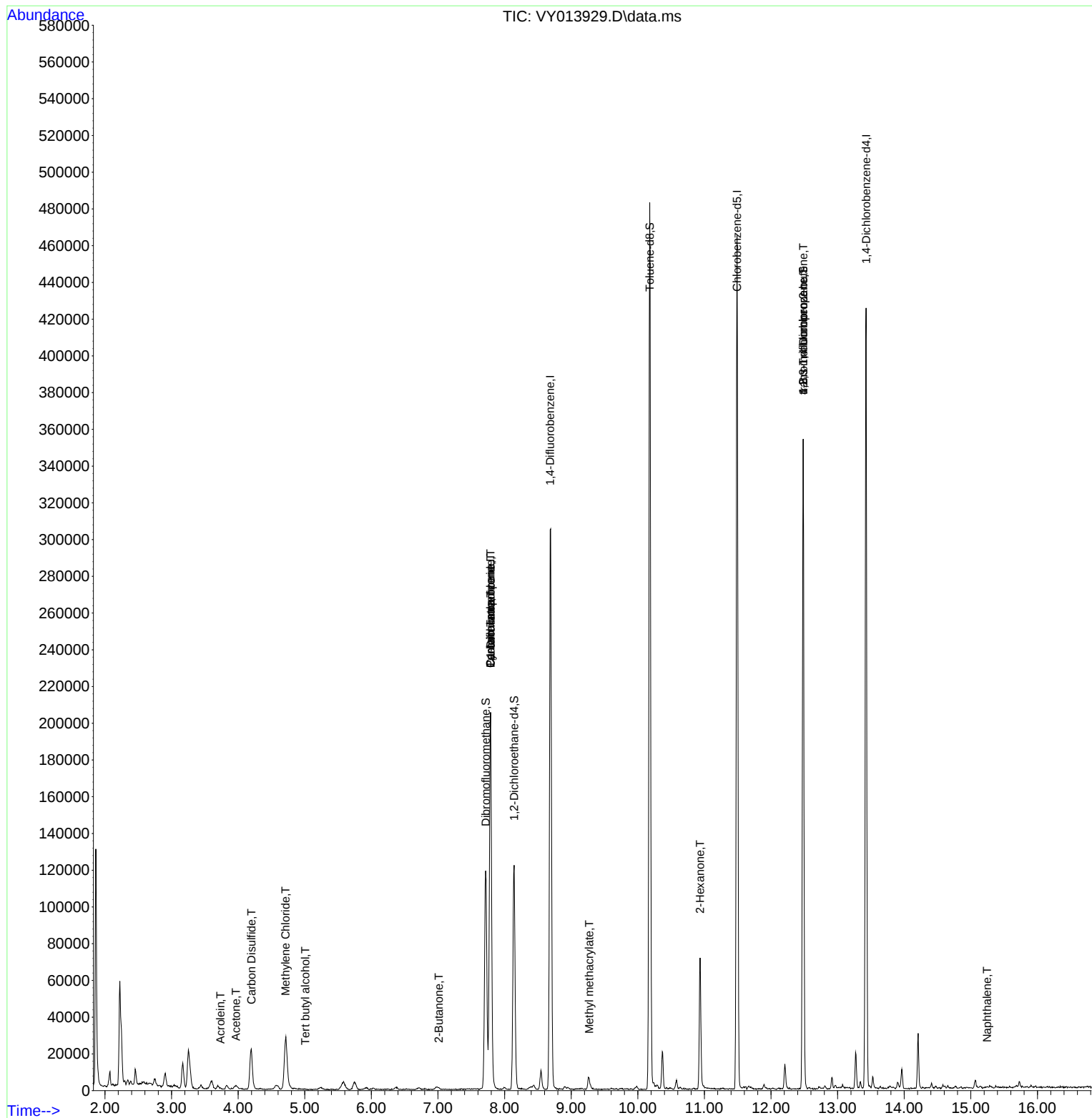
Internal Standards						
1) Pentafluorobenzene	7.789	168	157102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257099	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	246295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	106000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	99100	54.525	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.040%			
35) Dibromofluoromethane	7.715	113	81778	49.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.500%			
50) Toluene-d8	10.178	98	314704	49.870	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.740%			
62) 4-Bromofluorobenzene	12.483	95	96463	45.987	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.980%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.009	59	193	1.386	ug/l #	73
13) Acrolein	3.734	56	267	1.275	ug/l #	15
16) Acetone	3.966	43	3092	5.732	ug/l	94
17) Carbon Disulfide	4.198	76	45147	9.842	ug/l	97
20) Methylene Chloride	4.710	84	20478	8.604	ug/l	93
25) 2-Butanone	7.014	43	1228	1.866	ug/l	93
31) Cyclohexane	7.789	56	3894	1.394	ug/l #	29
36) 1,1-Dichloropropene	7.789	75	11746	4.645	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15760	5.480	ug/l #	17
48) Methyl methacrylate	9.270	41	2174	1.647	ug/l #	48
59) 2-Hexanone	10.934	43	11318	10.621	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	52735	42.192	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	52735	91.586	ug/l #	10
95) Naphthalene	15.245	128	500	4.649	ug/l #	68

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

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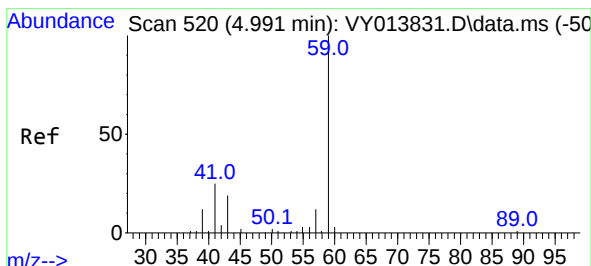
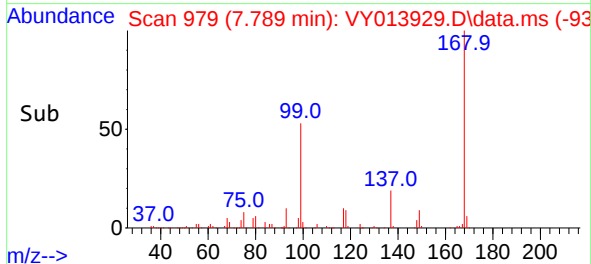
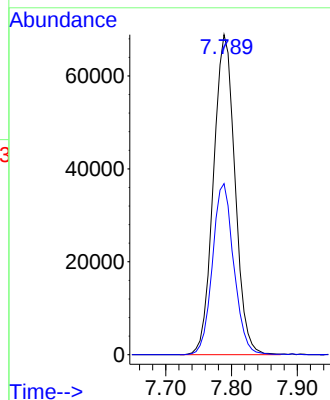
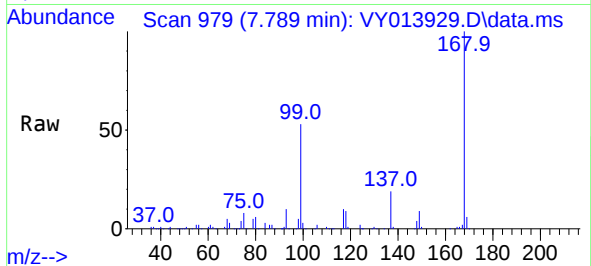




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

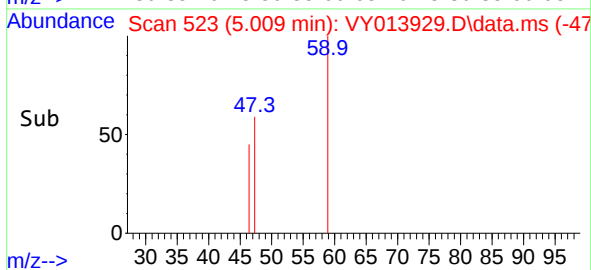
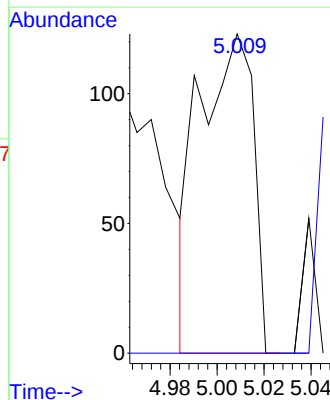
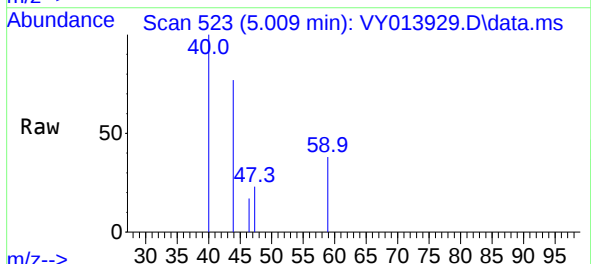
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

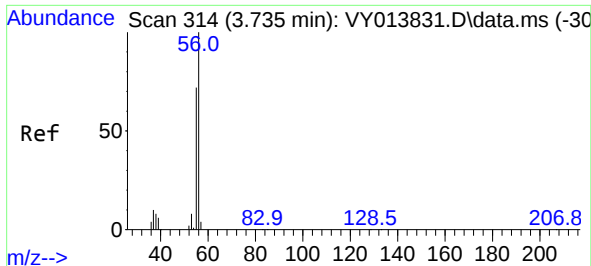
Tgt Ion:168 Resp: 157102
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.2



#11
Tert butyl alcohol
Concen: 1.386 ug/l
RT: 5.009 min Scan# 523
Delta R.T. 0.018 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

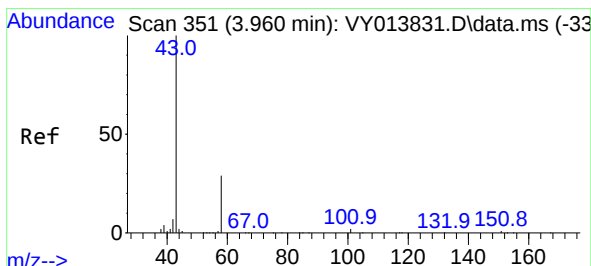
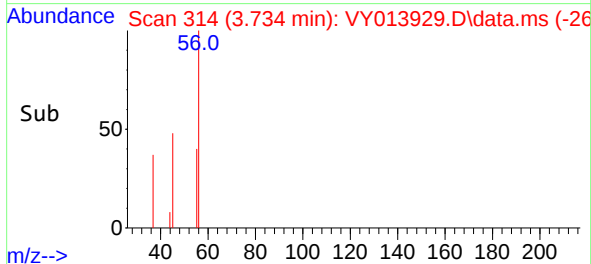
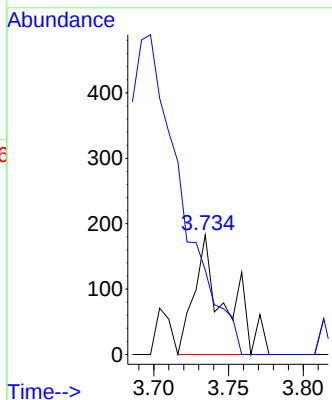
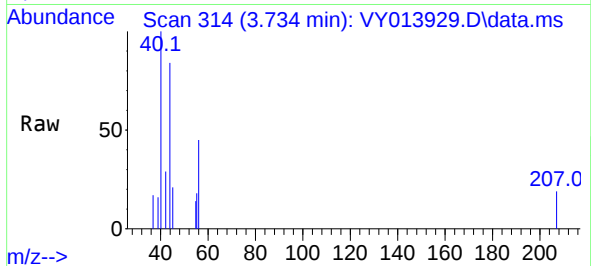




#13
Acrolein
Concen: 1.275 ug/l
RT: 3.734 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

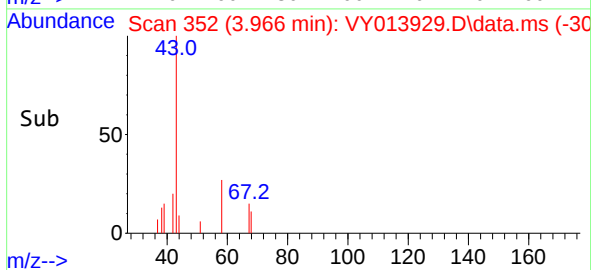
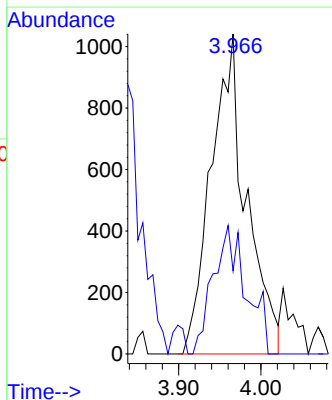
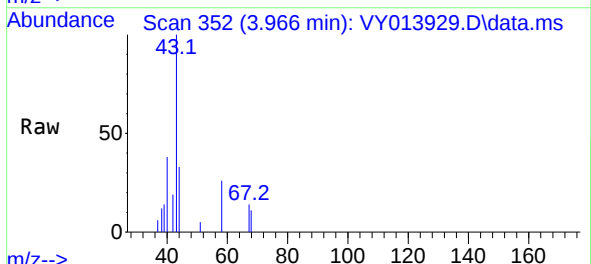
Instrument : MSVOA_Y
ClientSampleId : CB-32-G3-SO-69.5-051823

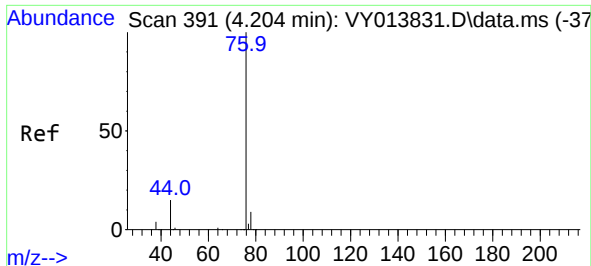
Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 5.732 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
58 26.0 23.3 34.9

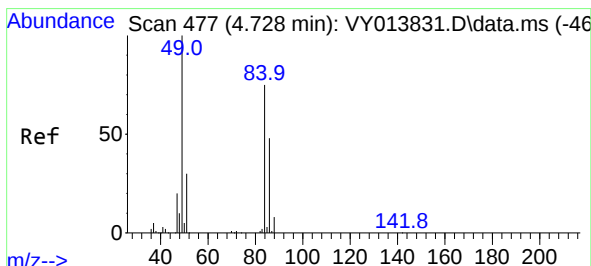
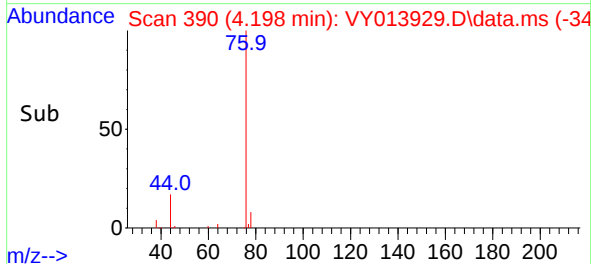
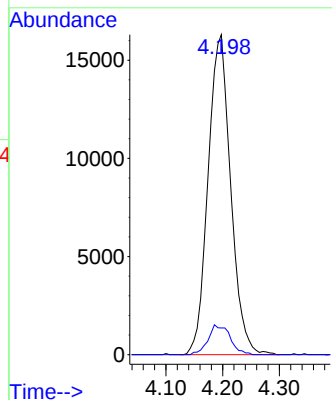
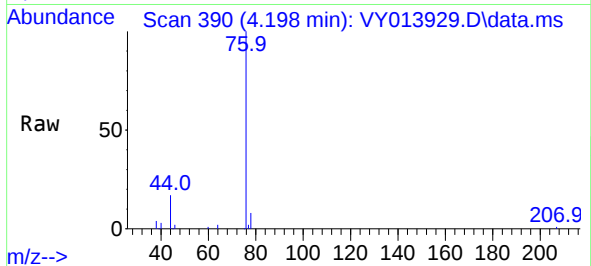




#17
Carbon Disulfide
Concen: 9.842 ug/l
RT: 4.198 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

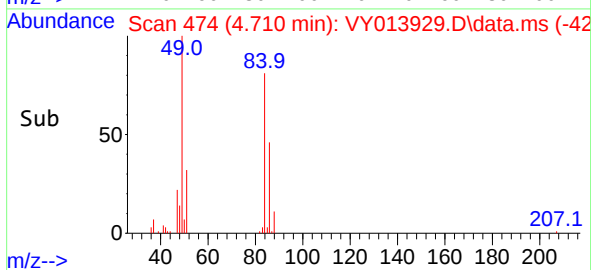
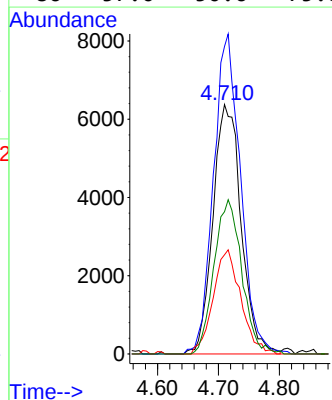
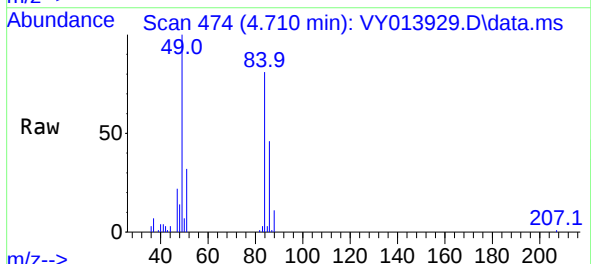
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

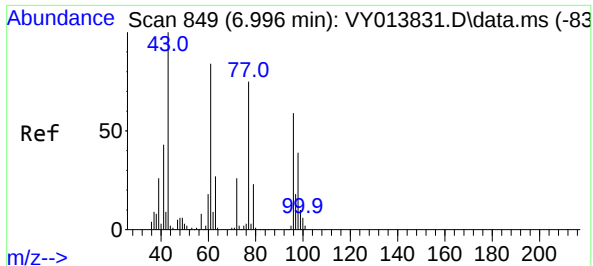
Tgt Ion: 76 Resp: 45147
Ion Ratio Lower Upper
76 100
78 8.3 7.5 11.3



#20
Methylene Chloride
Concen: 8.604 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 84 Resp: 20478
Ion Ratio Lower Upper
84 100
49 123.3 106.2 159.2
51 39.8 31.4 47.0
86 57.0 50.6 75.8

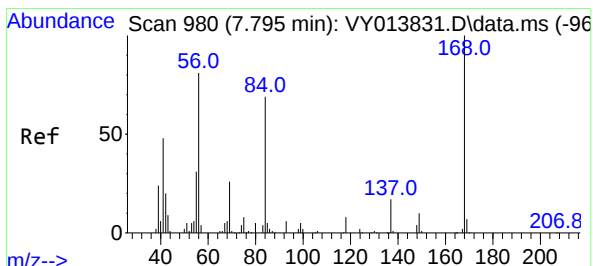
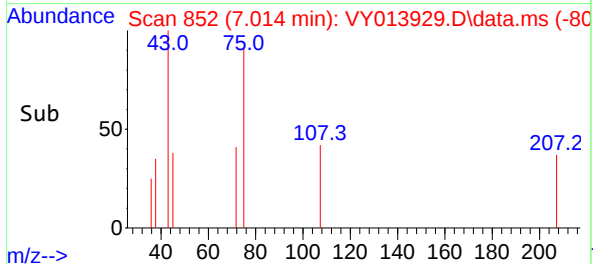
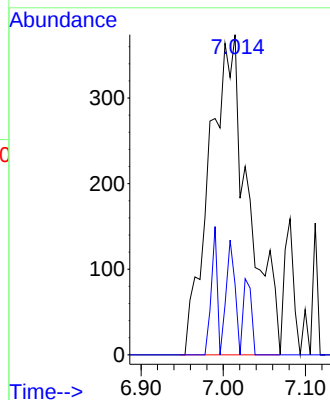
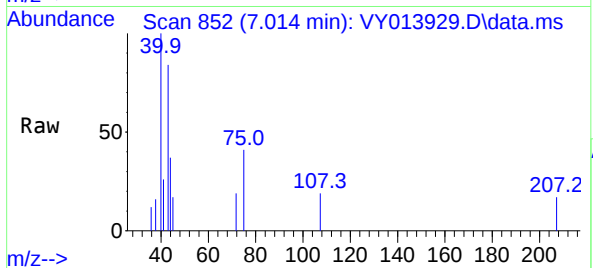




#25
2-Butanone
Concen: 1.866 ug/l
RT: 7.014 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

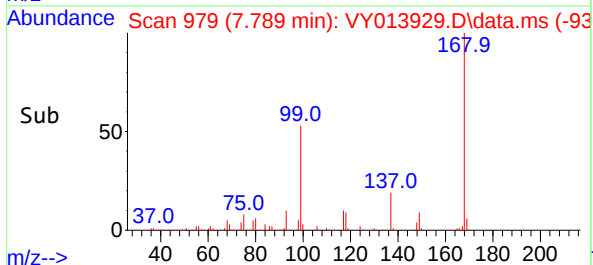
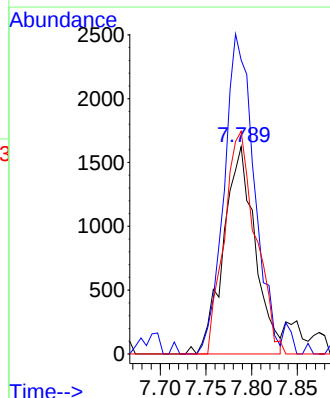
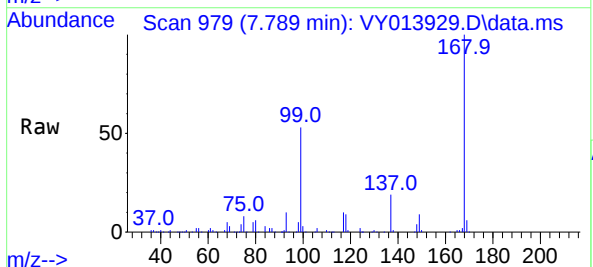
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

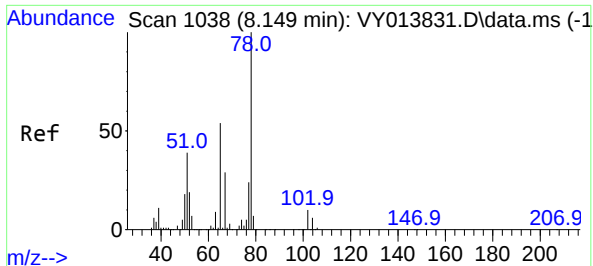
Tgt Ion: 43 Resp: 1228
Ion Ratio Lower Upper
43 100
72 21.9 20.5 30.7



#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 56 Resp: 3894
Ion Ratio Lower Upper
56 100
69 141.7 25.8 38.8#
84 107.4 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 54.525 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013929.D

Acq: 30 May 2023 19:03

Instrument :

MSVOA_Y

ClientSampleId :

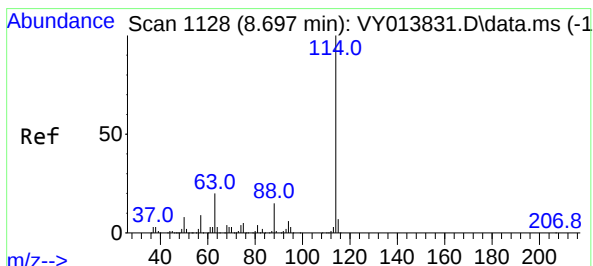
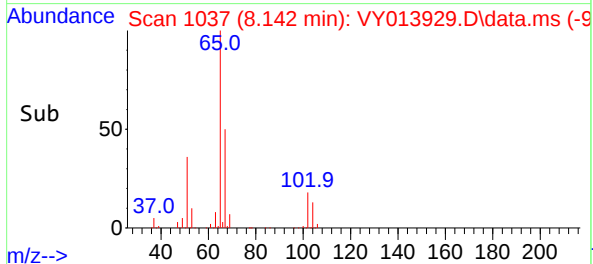
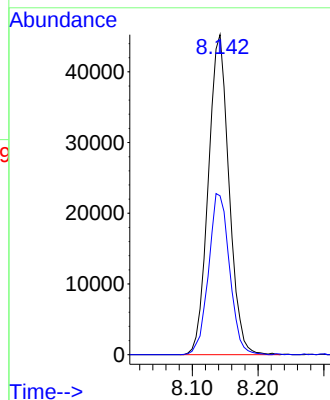
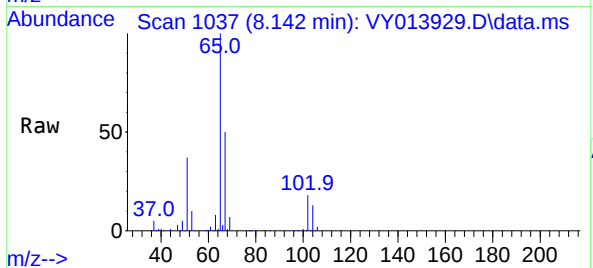
CB-32-G3-SO-69.5-051823

Tgt Ion: 65 Resp: 99100

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.013 min

Lab File: VY013929.D

Acq: 30 May 2023 19:03

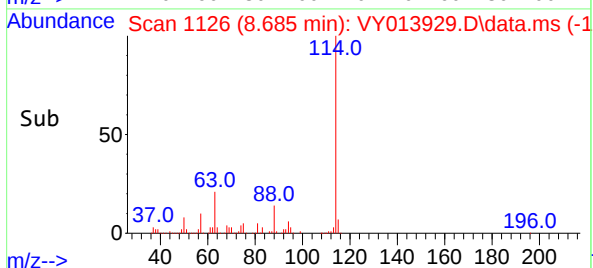
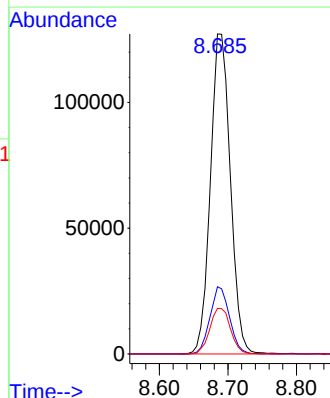
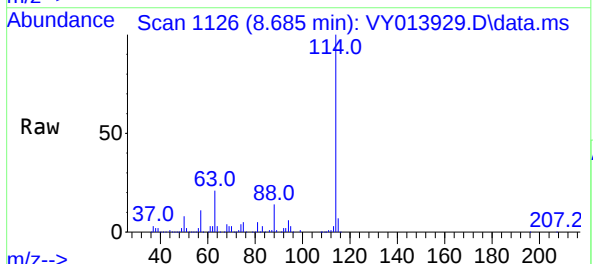
Tgt Ion: 114 Resp: 257099

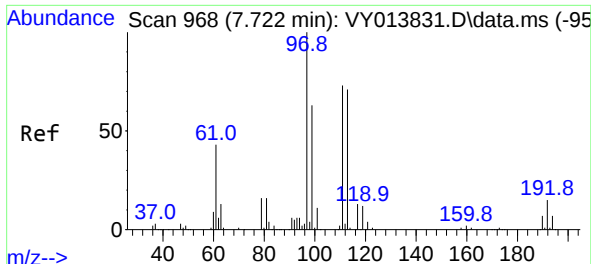
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 14.3 0.0 30.0

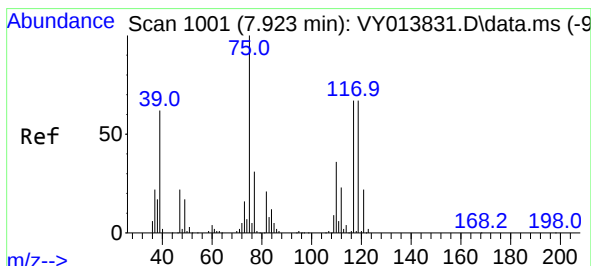
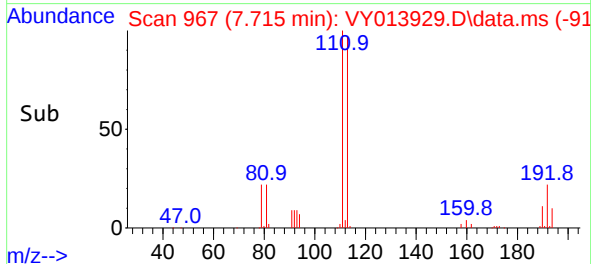
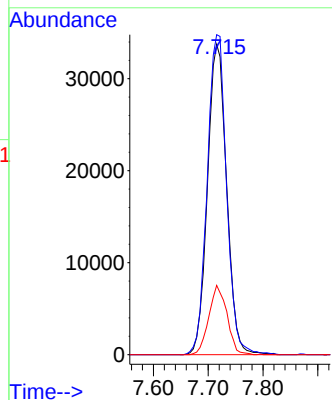
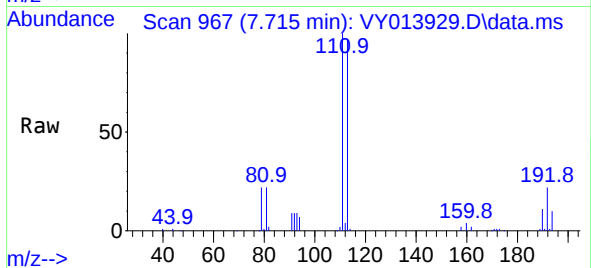




#35
Dibromofluoromethane
Concen: 49.253 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

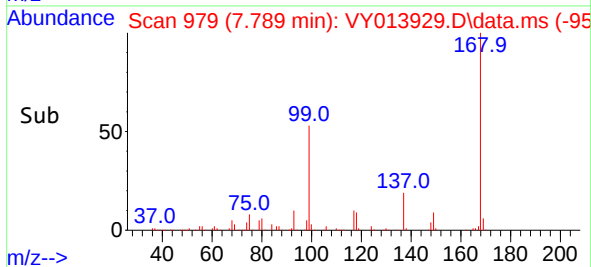
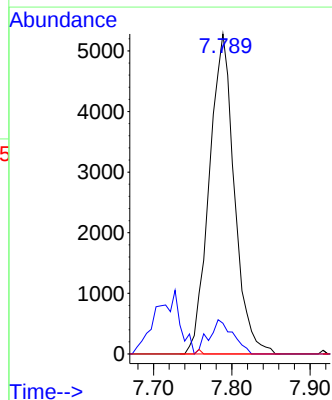
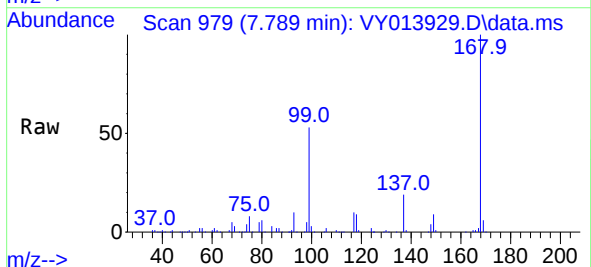
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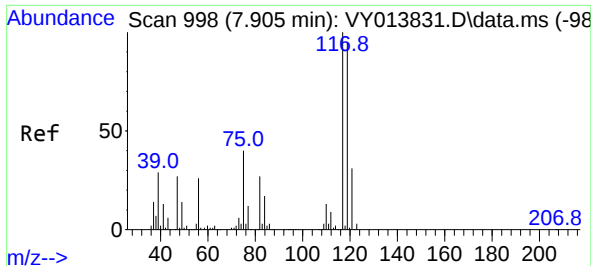
Tgt Ion:113 Resp: 81778
Ion Ratio Lower Upper
113 100
111 104.2 80.4 120.6
192 21.2 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.645 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 75 Resp: 11746
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.6#
77 0.0 24.4 36.6#

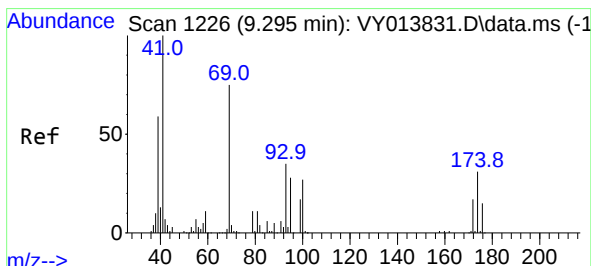
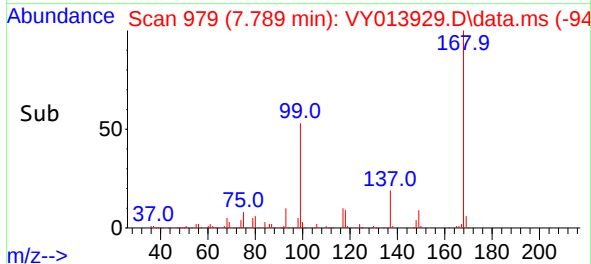
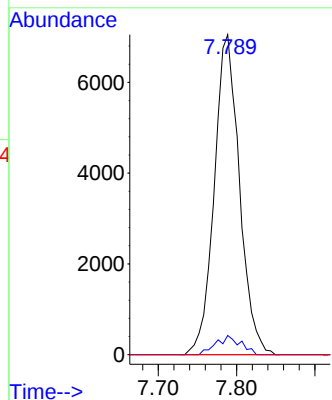
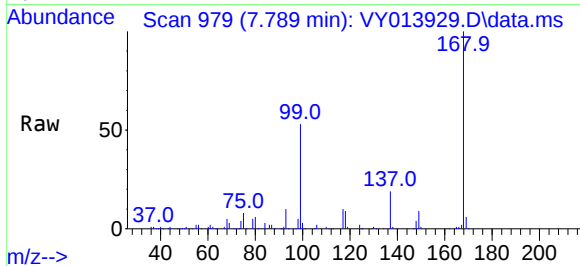




#38
Carbon Tetrachloride
Concen: 5.480 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

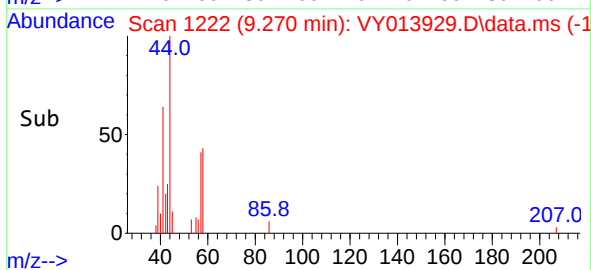
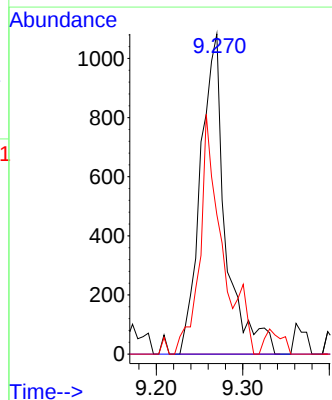
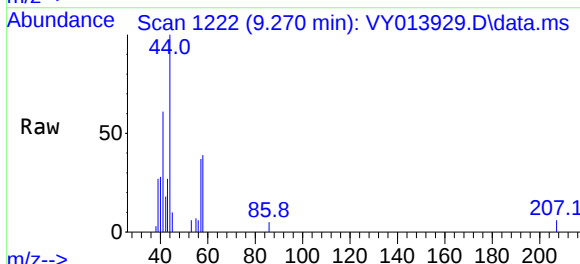
Instrument :
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ClientSampleId :
CB-32-G3-SO-69.5-051823

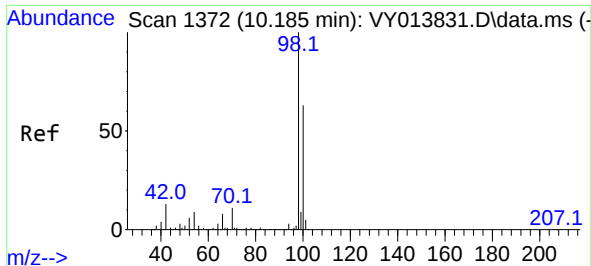
Tgt Ion:117 Resp: 15760
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 1.647 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.025 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 41 Resp: 2174
Ion Ratio Lower Upper
41 100
69 0.0 62.0 93.0#
39 57.6 45.7 68.5

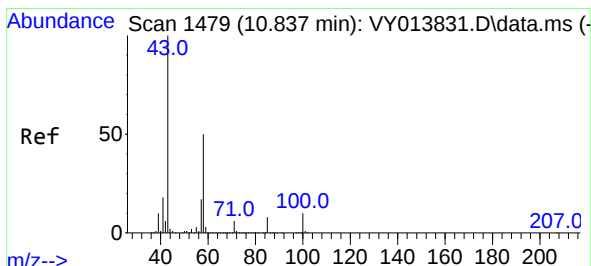
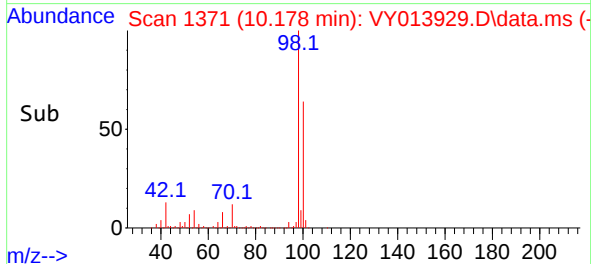
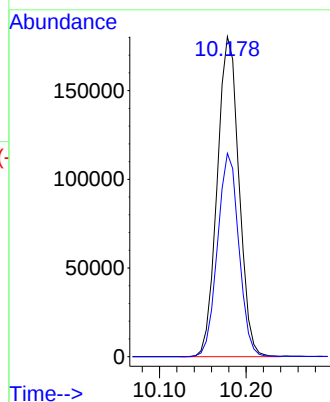
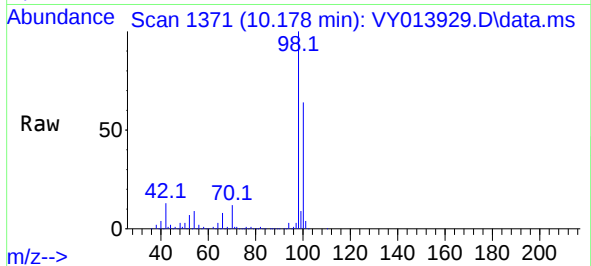




#50
Toluene-d8
Concen: 49.870 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

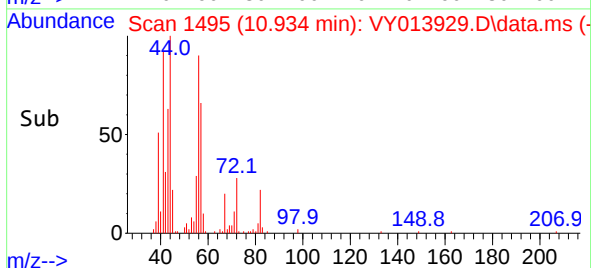
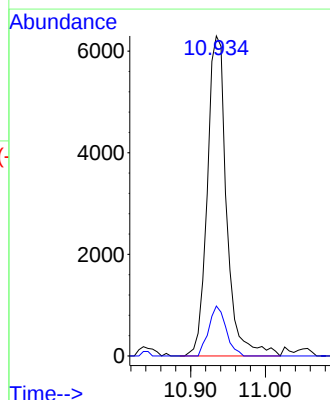
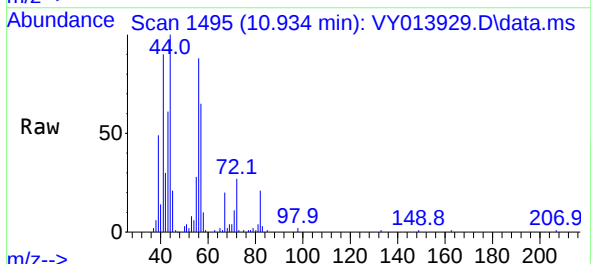
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

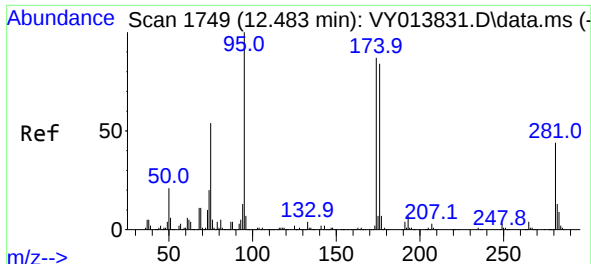
Tgt Ion: 98 Resp: 314704
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#59
2-Hexanone
Concen: 10.621 ug/l
RT: 10.934 min Scan# 1495
Delta R.T. 0.097 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 43 Resp: 11318
Ion Ratio Lower Upper
43 100
58 14.0 24.8 74.3#

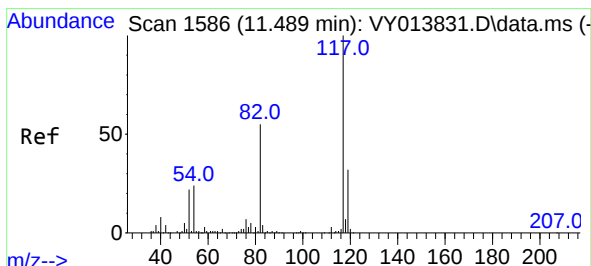
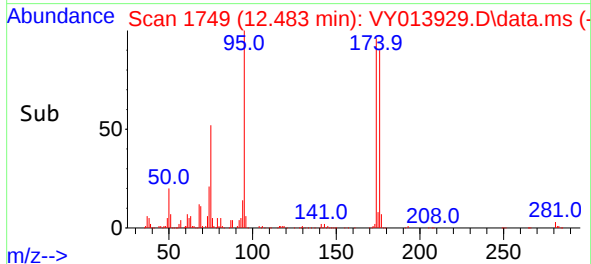
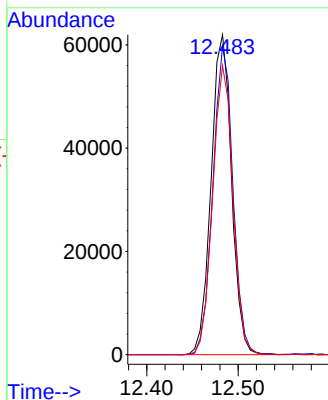
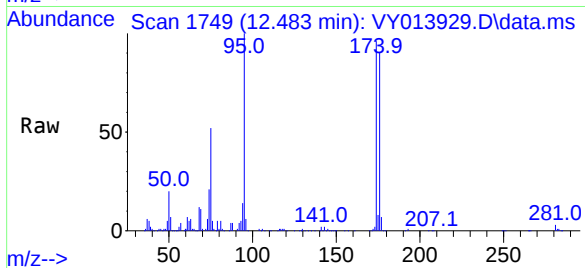




#62
4-Bromofluorobenzene
Concen: 45.987 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

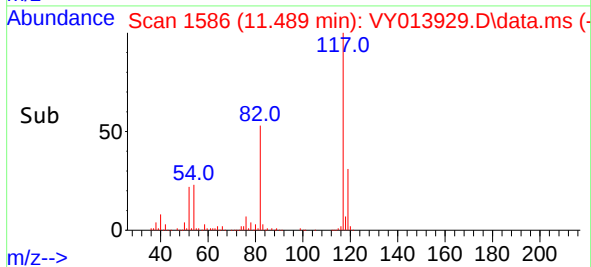
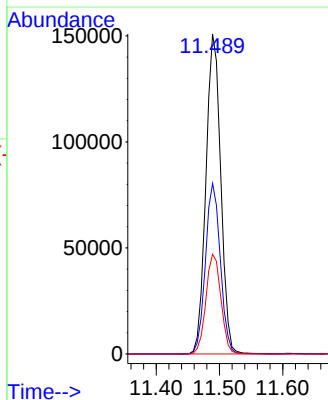
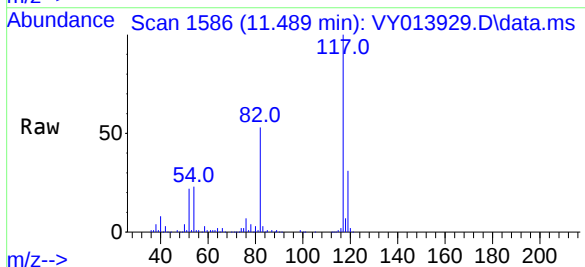
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

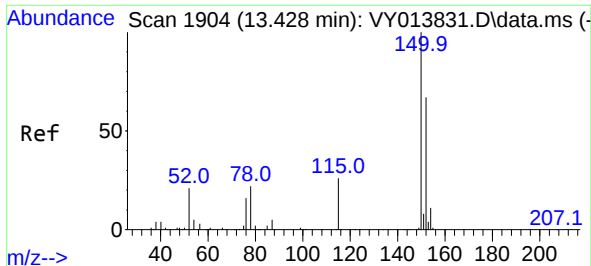
Tgt Ion:	95	Resp:	96463
Ion Ratio	Lower	Upper	
95	100		
174	94.5	0.0	176.0
176	89.2	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion:	117	Resp:	246295
Ion Ratio	Lower	Upper	
117	100		
82	53.3	44.2	66.4
119	31.1	25.7	38.5

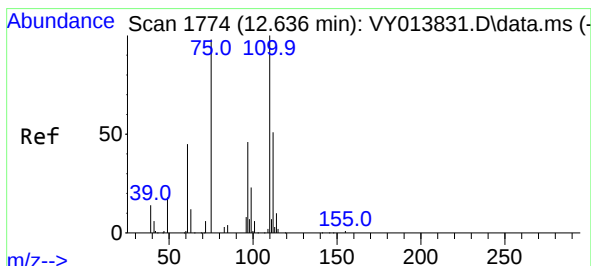
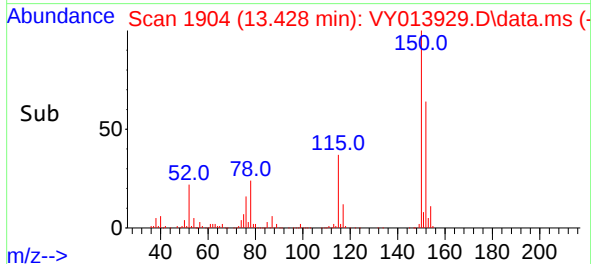
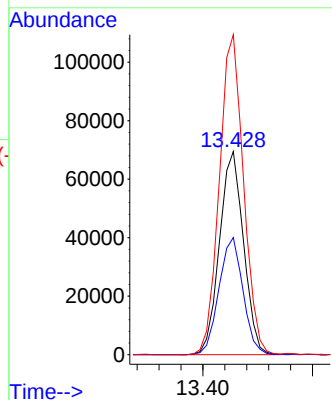
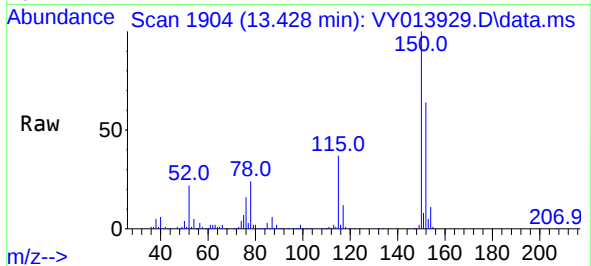




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

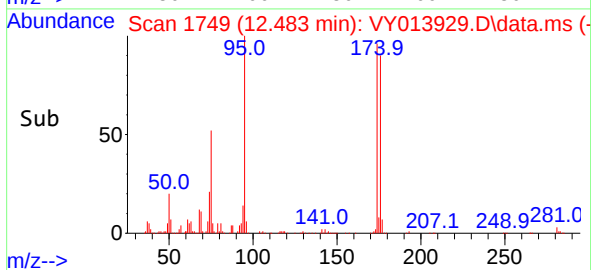
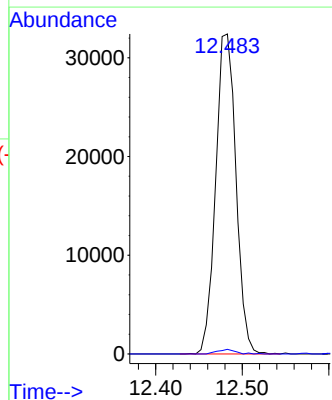
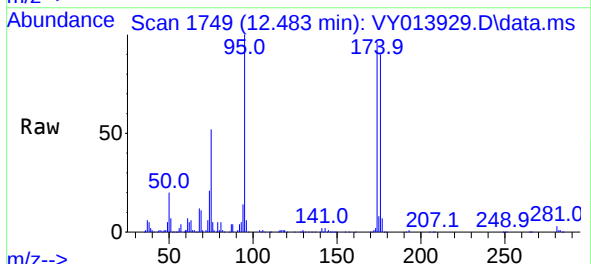
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

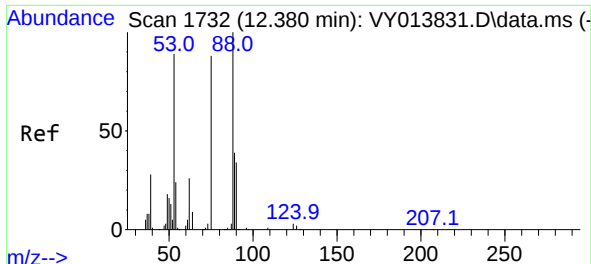
Tgt Ion:152 Resp: 106000
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 158.1 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 42.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion: 75 Resp: 52735
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

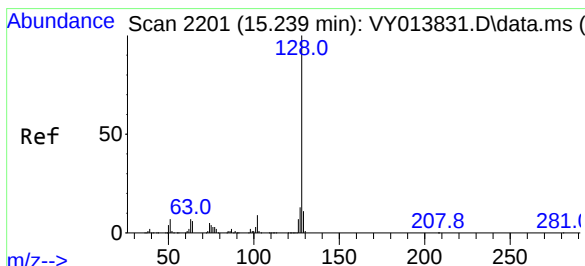
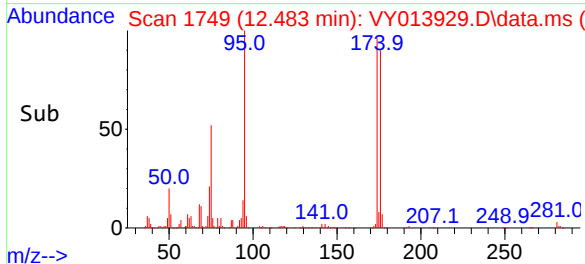
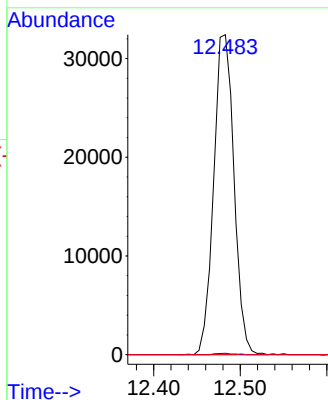
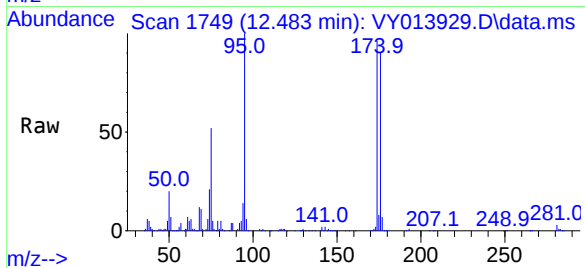




#81
trans-1,4-Dichloro-2-butene
Concen: 91.586 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-69.5-051823

Tgt Ion: 75 Resp: 52735
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.1 36.4 54.6#



#95
Naphthalene
Concen: 4.649 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY013929.D
Acq: 30 May 2023 19:03

Tgt Ion:128 Resp: 500
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

