

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013927.D
 Acq On : 30 May 2023 18:16
 Operator : KP/MD
 Sample : 02852-13
 Misc : 5.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-62.5-051823

Quant Time: May 31 03:28:02 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)

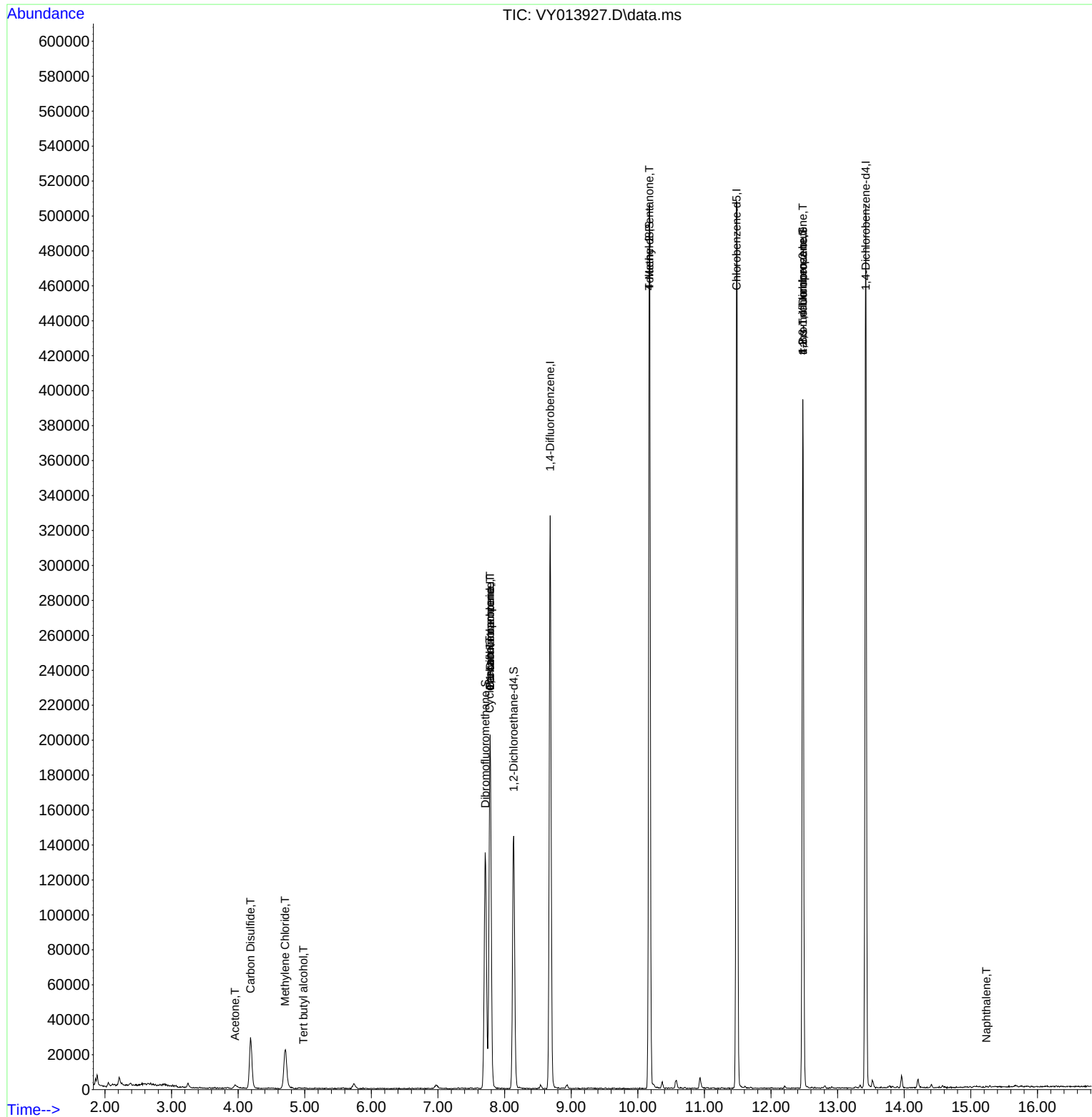
Internal Standards						
1) Pentafluorobenzene	7.783	168	154863	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	266348	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.483	117	269747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120060	67.012	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.020%			
35) Dibromofluoromethane	7.710	113	92522	53.789	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.580%			
50) Toluene-d8	10.172	98	329359	50.380	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.760%			
62) 4-Bromofluorobenzene	12.477	95	109602	50.436	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	327	2.383	ug/l #	73
16) Acetone	3.954	43	4290	8.068	ug/l	96
17) Carbon Disulfide	4.186	76	57022	12.611	ug/l	98
20) Methylene Chloride	4.704	84	16431	6.505	ug/l	92
31) Cyclohexane	7.777	56	3721	1.352	ug/l #	46
36) 1,1-Dichloropropene	7.783	75	12122	4.627	ug/l #	51
38) Carbon Tetrachloride	7.783	117	16137	5.416	ug/l #	17
51) 4-Methyl-2-Pentanone	10.172	43	1661	1.070	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	61372	41.285	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61372	89.617	ug/l #	10
95) Naphthalene	15.233	128	395	4.615	ug/l #	68

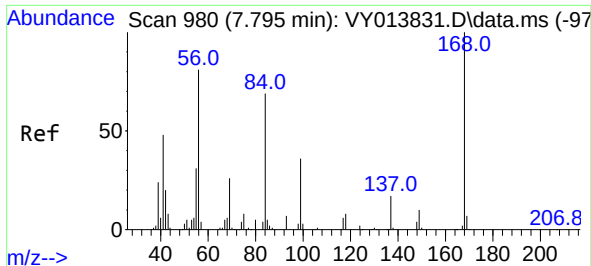
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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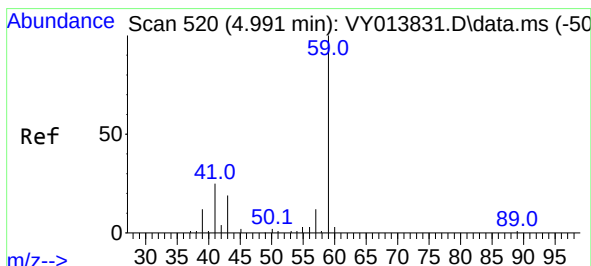
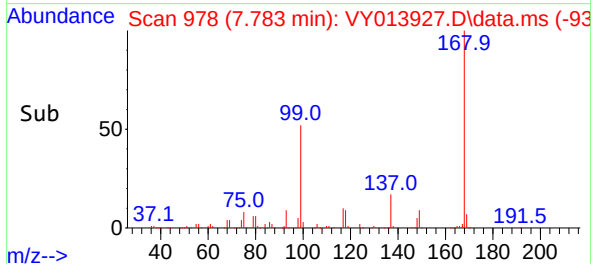
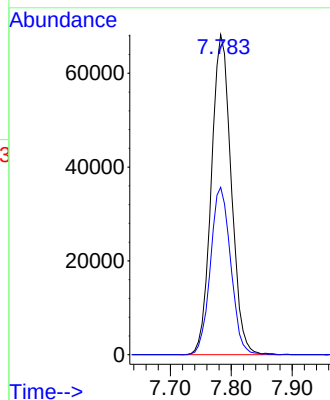
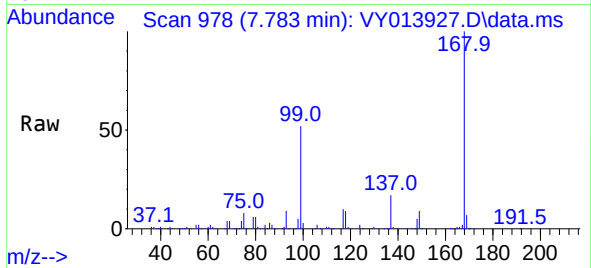




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

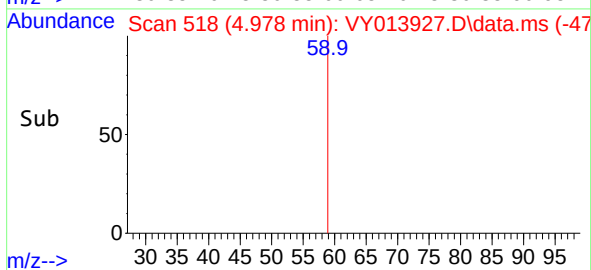
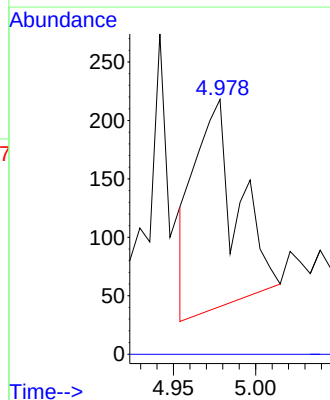
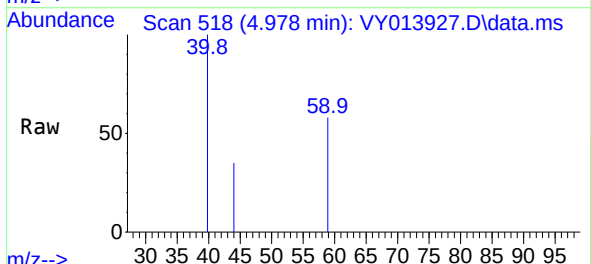
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823

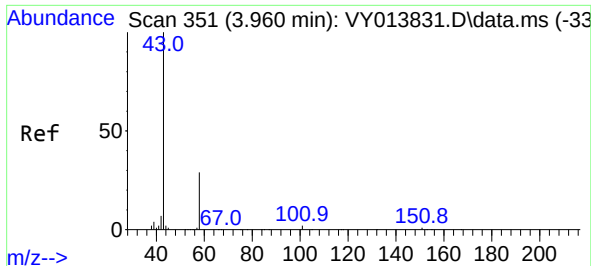
Tgt Ion:168 Resp: 154863
Ion Ratio Lower Upper
168 100
99 52.3 43.4 65.2



#11
Tert butyl alcohol
Concen: 2.383 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.012 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

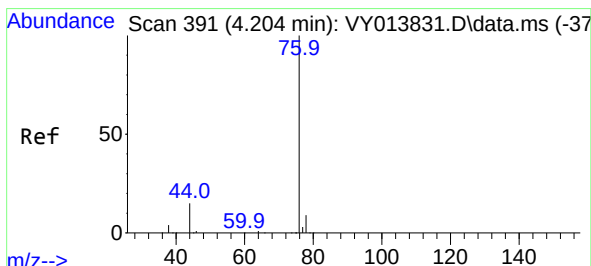
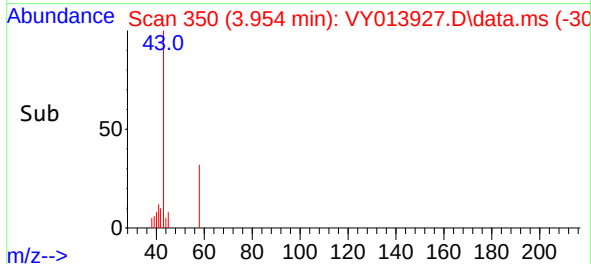
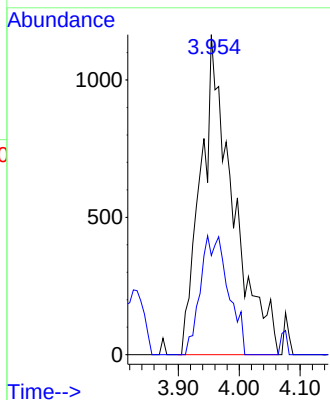
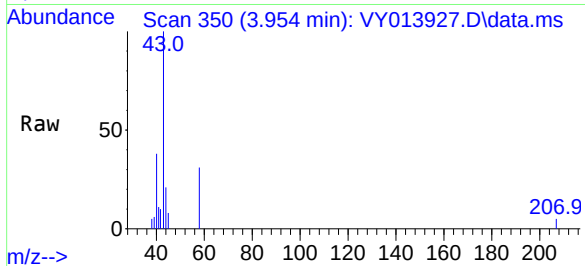




#16
Acetone
Concen: 8.068 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

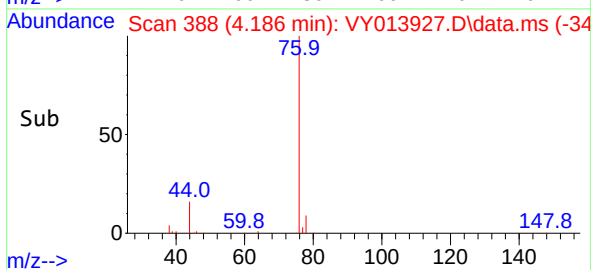
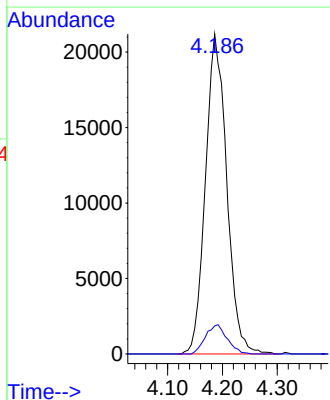
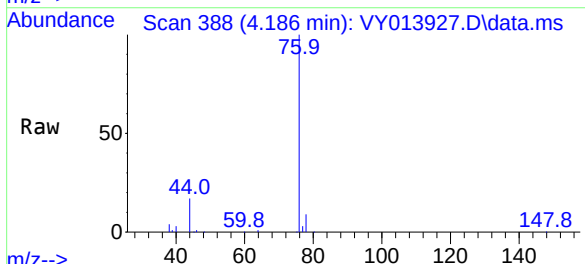
Instrument :
MSVOA_Y
ClientSampleId :
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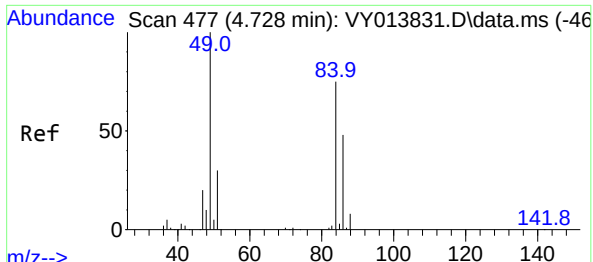
Tgt Ion: 43 Resp: 4290
Ion Ratio Lower Upper
43 100
58 31.0 23.3 34.9



#17
Carbon Disulfide
Concen: 12.611 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.018 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

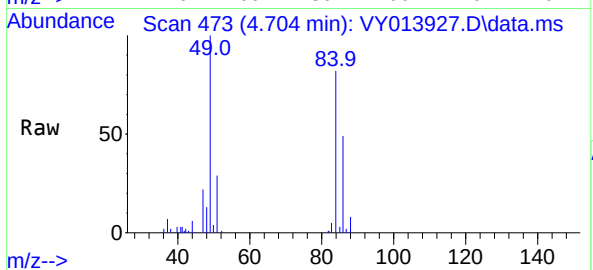
Tgt Ion: 76 Resp: 57022
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3





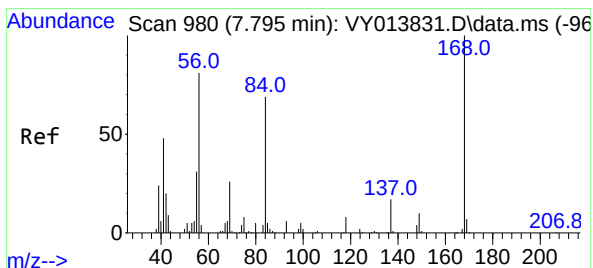
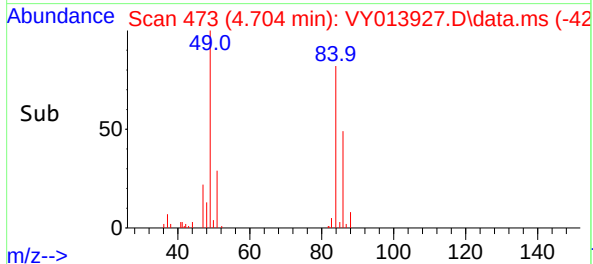
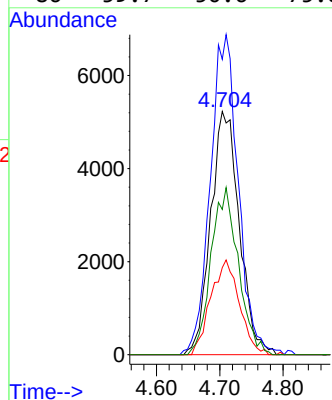
#20
Methylene Chloride
Concen: 6.505 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823



Tgt Ion: 84 Resp: 16431

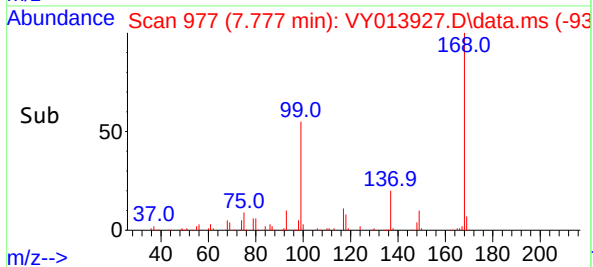
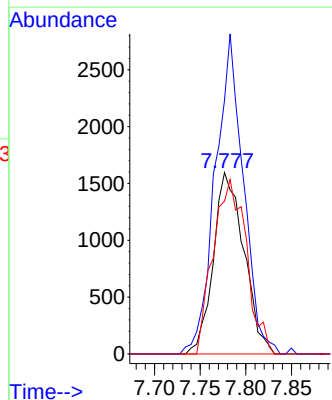
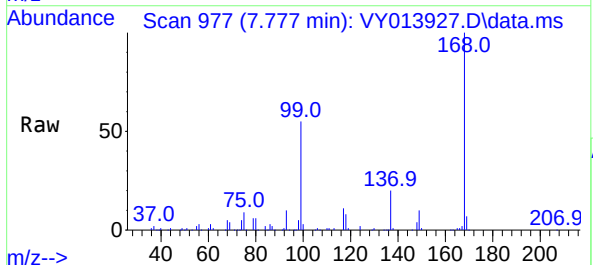
Ion	Ratio	Lower	Upper
84	100		
49	121.5	106.2	159.2
51	35.8	31.4	47.0
86	59.7	50.6	75.8

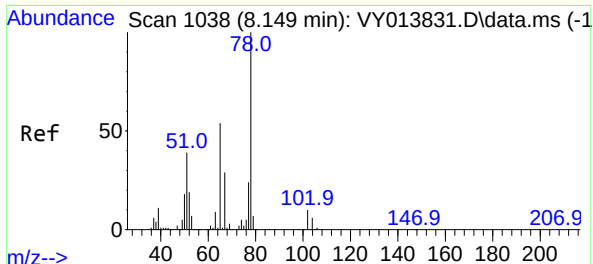


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.018 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion: 56 Resp: 3721

Ion	Ratio	Lower	Upper
56	100		
69	139.8	25.8	38.8#
84	84.2	68.2	102.2





#33

1,2-Dichloroethane-d4

Concen: 67.012 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013927.D

Acq: 30 May 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

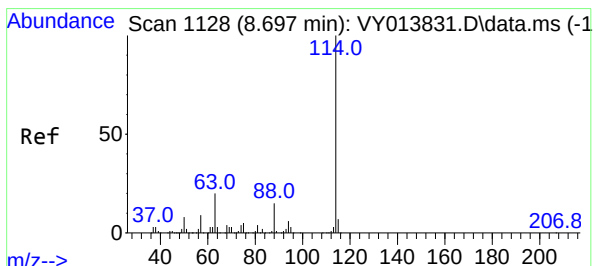
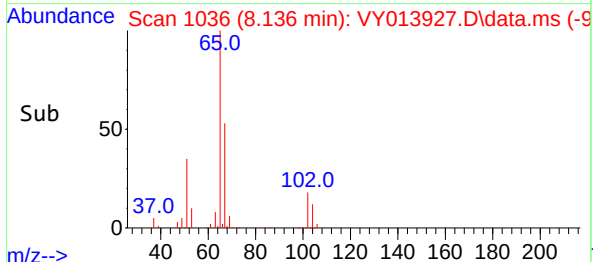
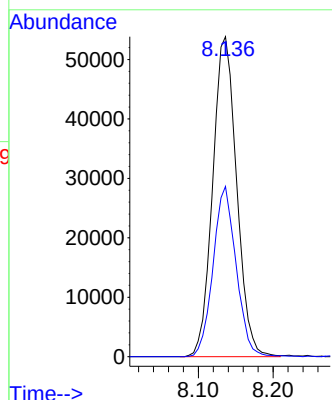
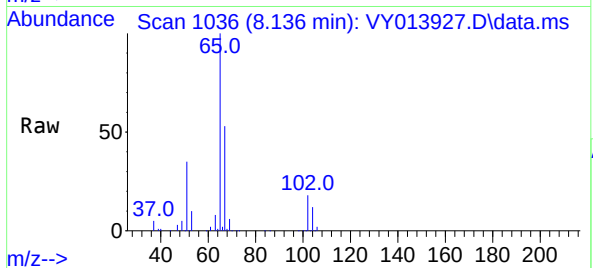
CB-32-G3-SO-62.5-051823

Tgt Ion: 65 Resp: 120060

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013927.D

Acq: 30 May 2023 18:16

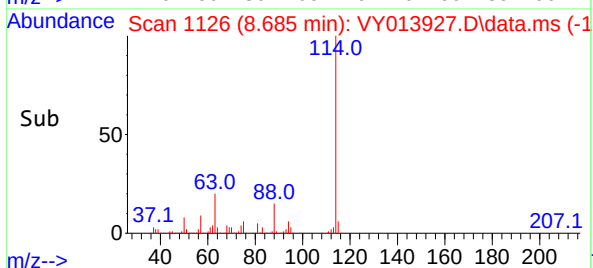
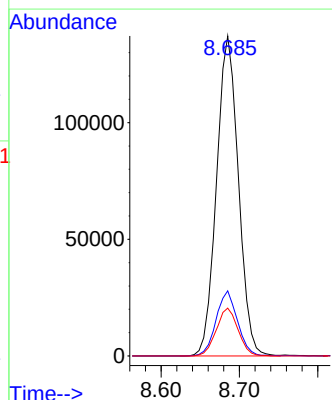
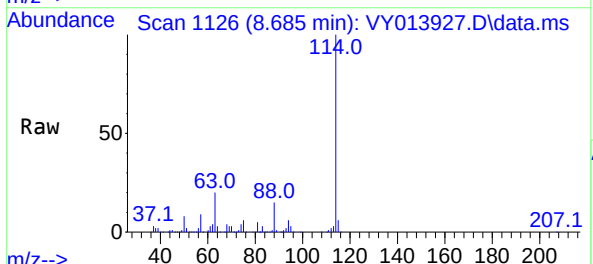
Tgt Ion: 114 Resp: 266348

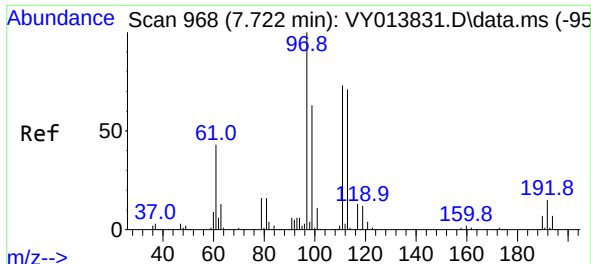
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 30.0

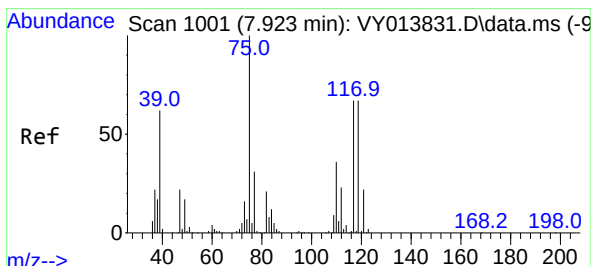
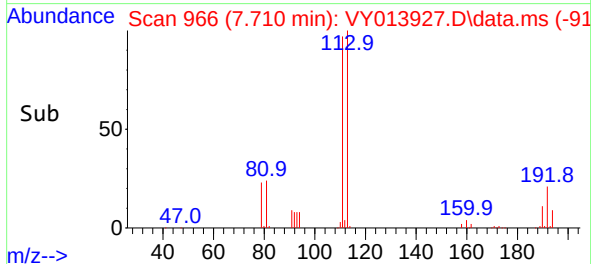
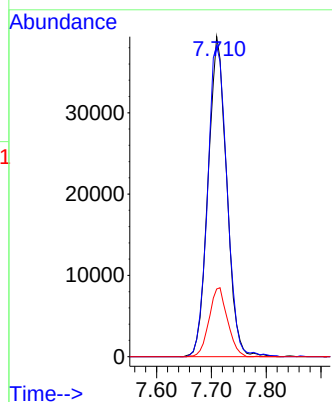
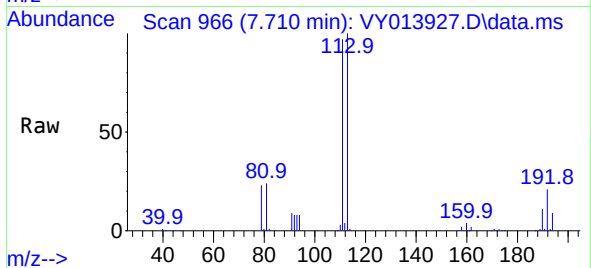




#35
Dibromofluoromethane
Concen: 53.789 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

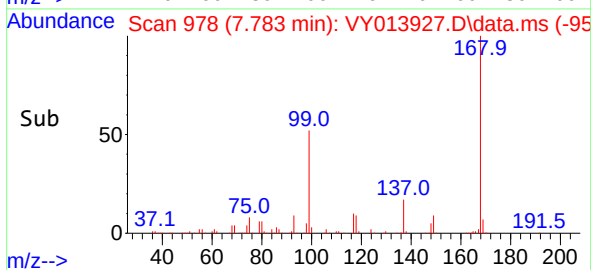
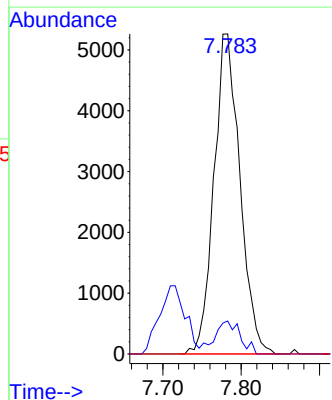
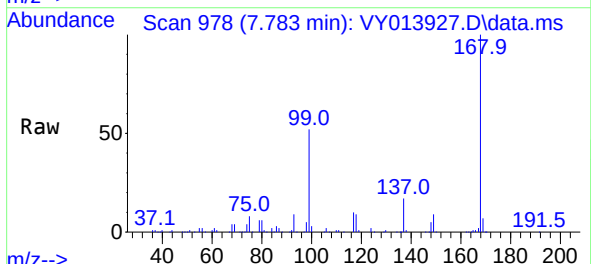
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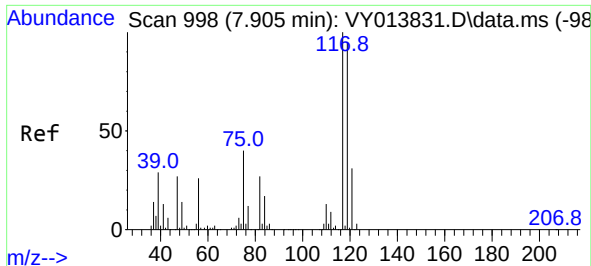
Tgt Ion:	113	Resp:	92522
Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.4	120.6
192	21.3	16.6	25.0



#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion:	75	Resp:	12122
Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.5	52.6#
77	0.0	24.4	36.6#

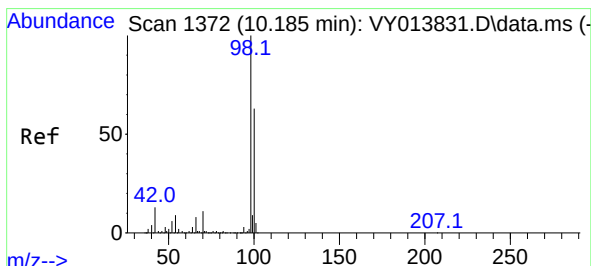
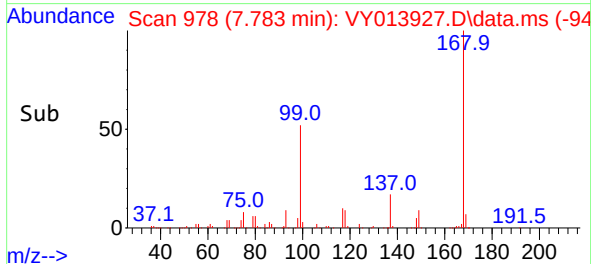
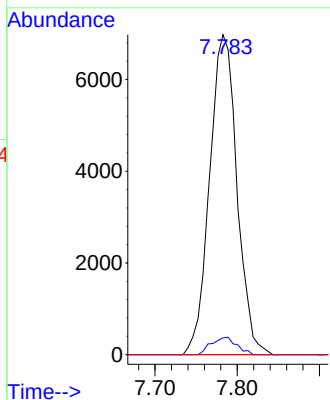
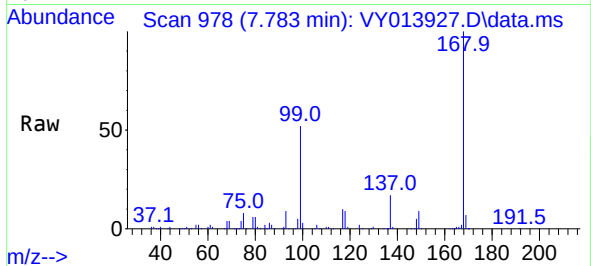




#38
Carbon Tetrachloride
Concen: 5.416 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

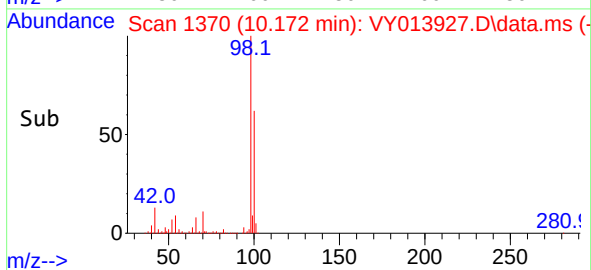
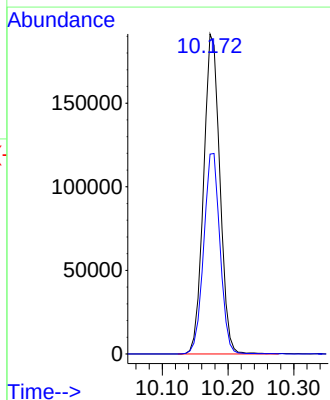
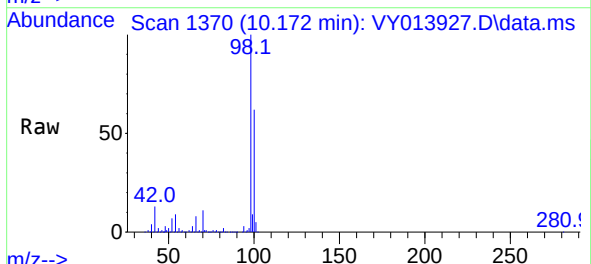
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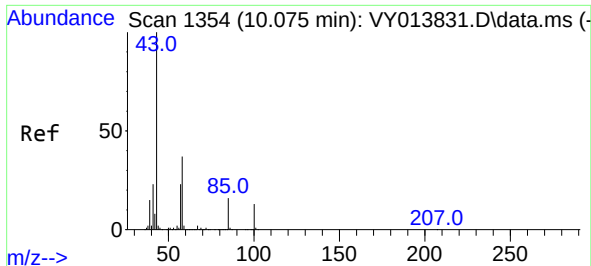
Tgt Ion:117 Resp: 16137
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.012 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion: 98 Resp: 329359
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2

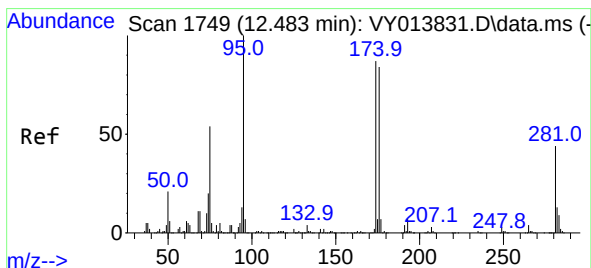
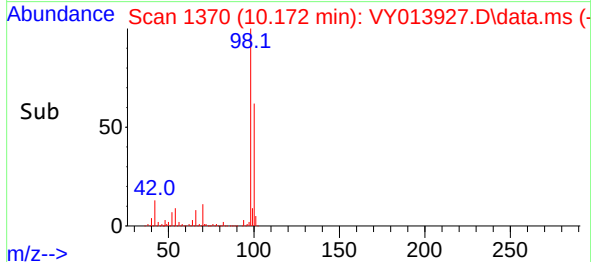
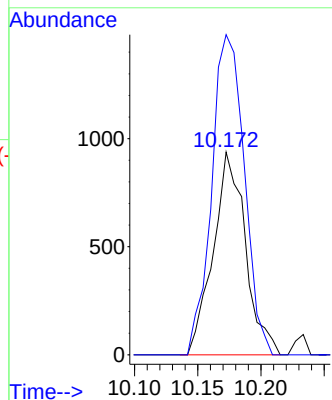
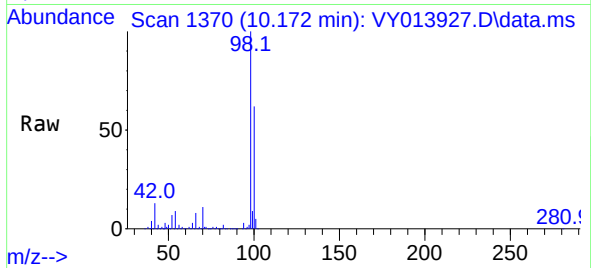




#51
4-Methyl-2-Pentanone
Concen: 1.070 ug/l
RT: 10.172 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

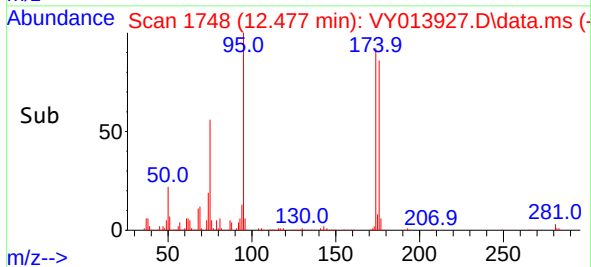
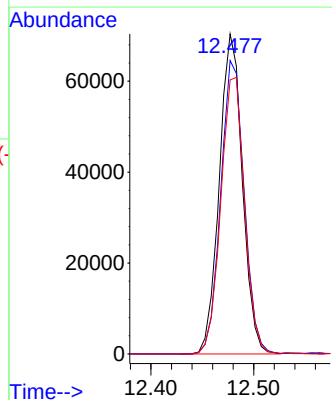
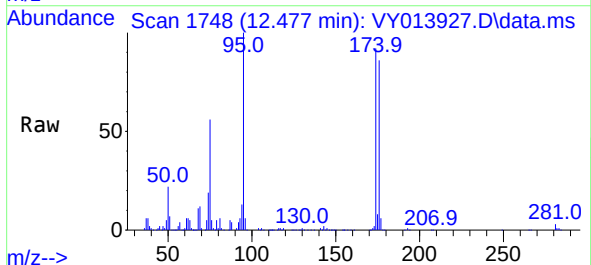
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823

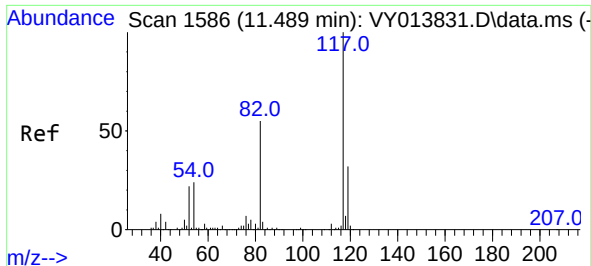
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
58 160.0 29.1 43.7#



#62
4-Bromofluorobenzene
Concen: 50.436 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion: 95 Resp: 109602
Ion Ratio Lower Upper
95 100
174 93.0 0.0 176.0
176 89.1 0.0 170.2

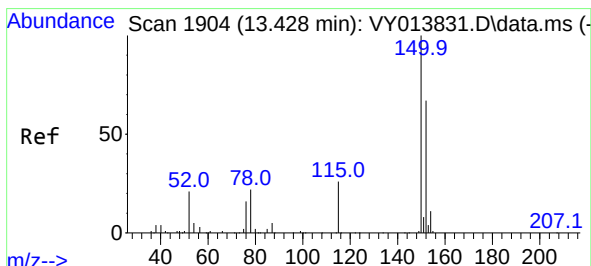
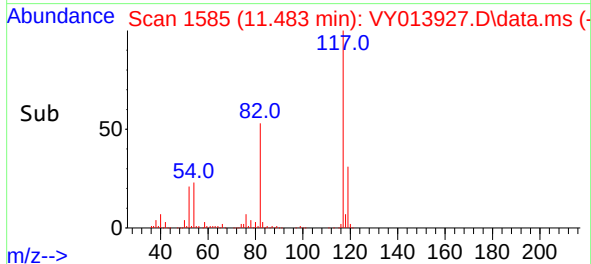
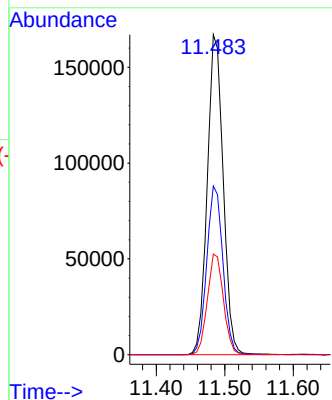
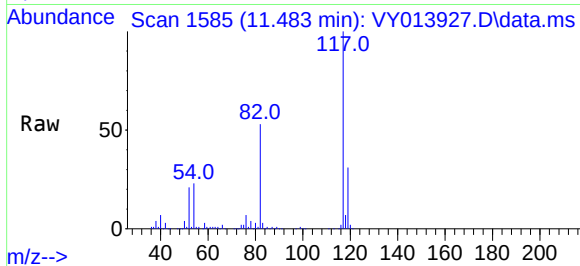




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

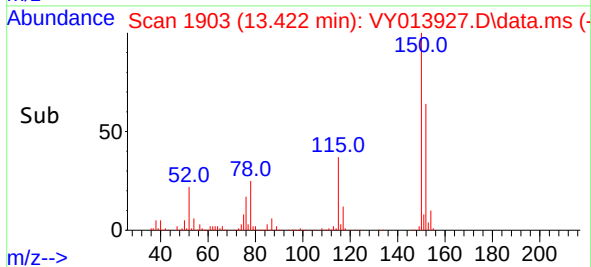
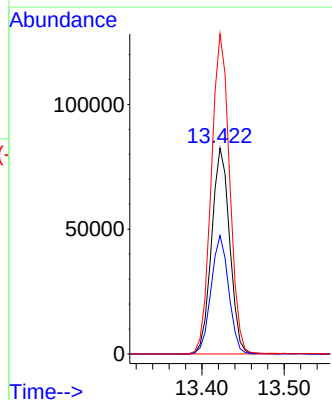
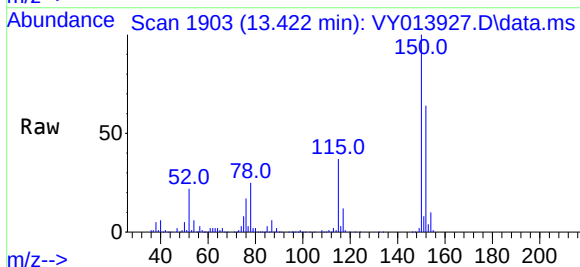
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823

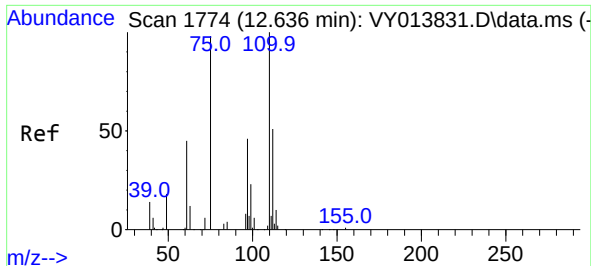
Tgt Ion:117 Resp: 269747
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.4
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Tgt Ion:152 Resp: 126070
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.5
150 157.9 0.0 353.4

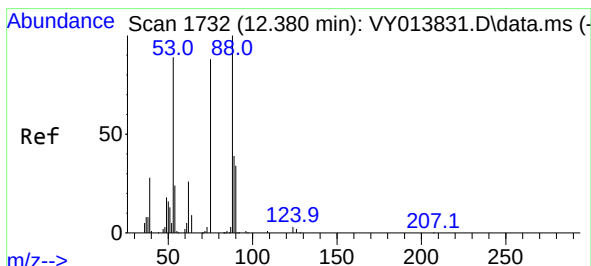
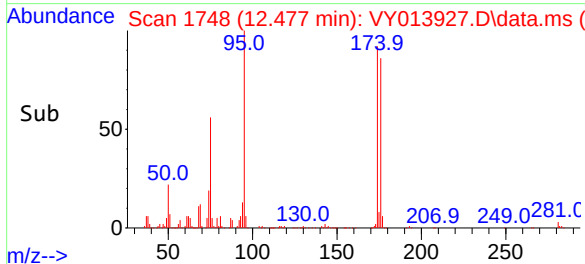
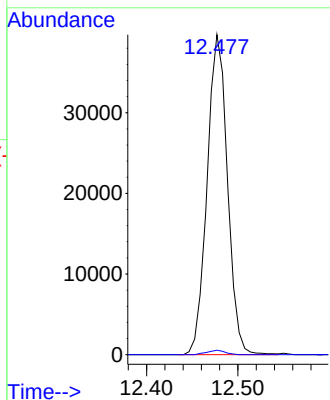
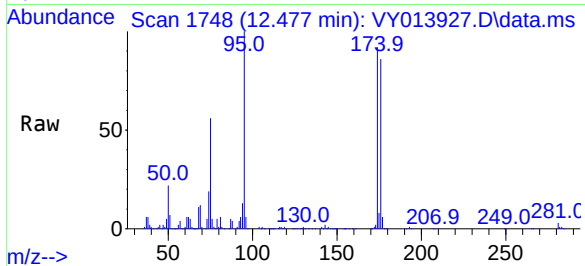




#76
1,2,3-Trichloropropane
Concen: 41.285 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

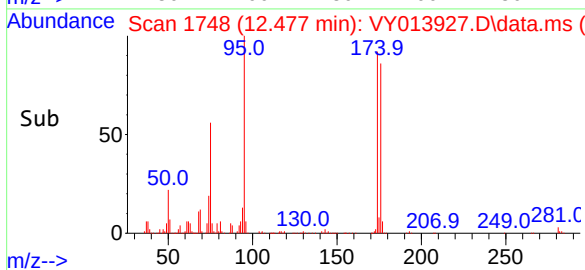
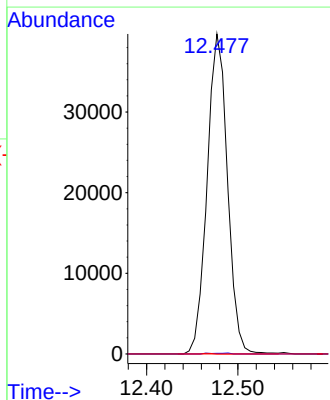
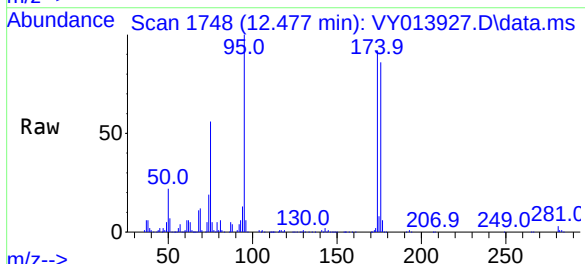
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823

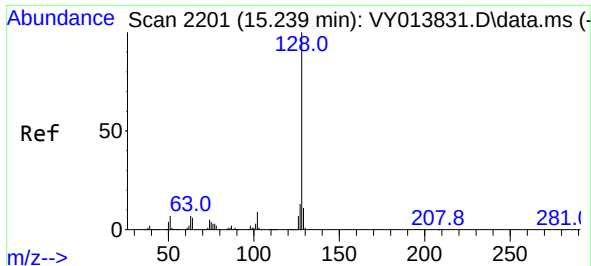
Tgt Ion: 75 Resp: 61372
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.617 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

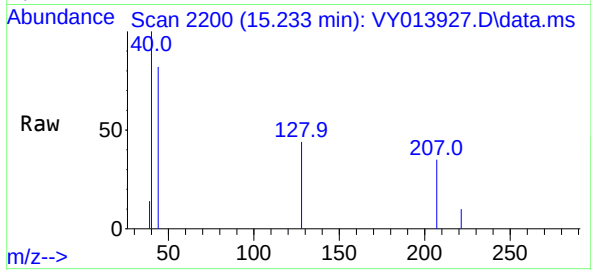
Tgt Ion: 75 Resp: 61372
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.615 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013927.D
Acq: 30 May 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823



Tgt Ion:128 Resp: 395
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

