

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013928.D
 Acq On : 30 May 2023 18:39
 Operator : KP/MD
 Sample : 02852-14
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: May 31 03:28:10 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)

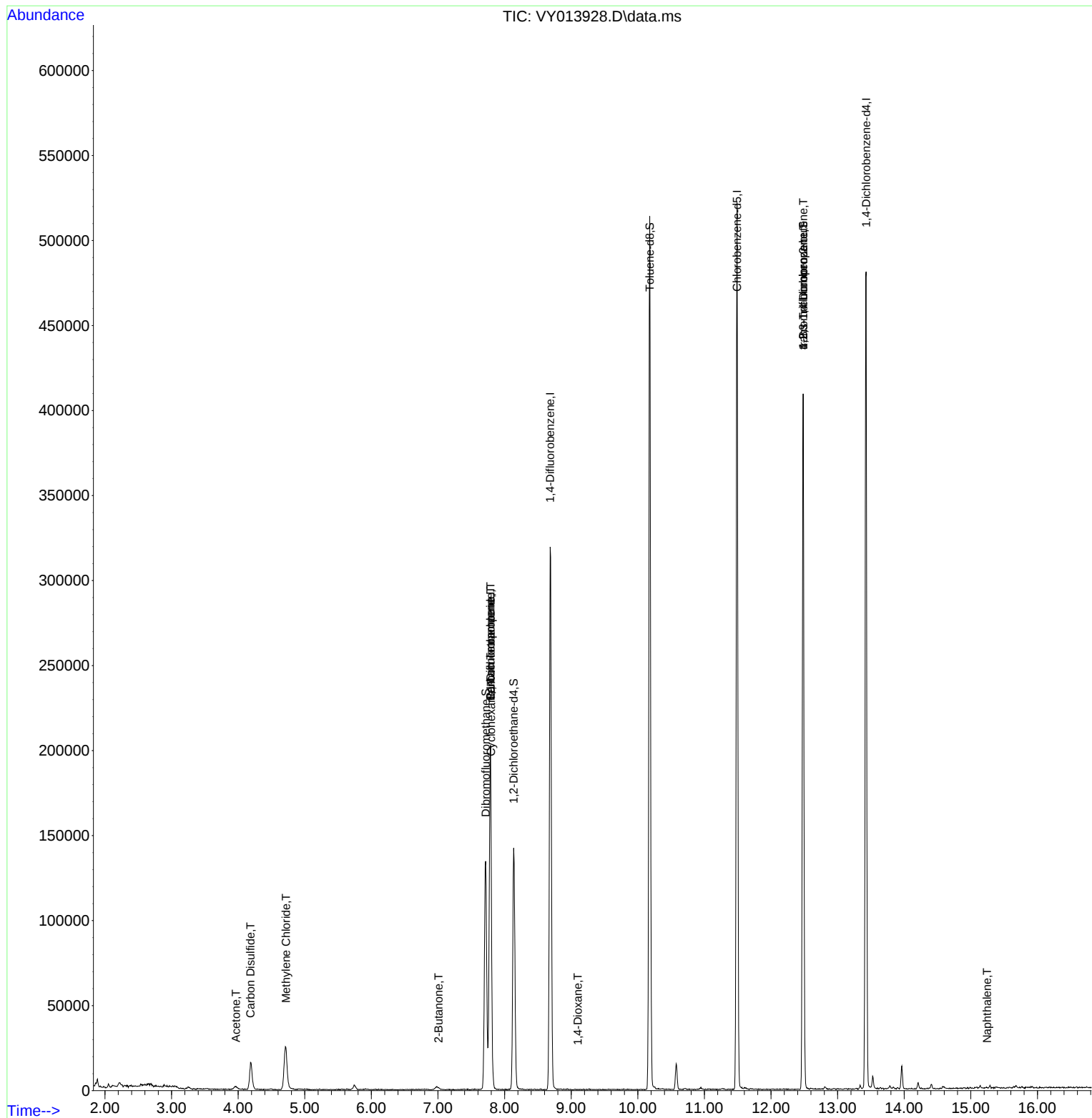
Internal Standards						
1) Pentafluorobenzene	7.789	168	154630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267463	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	267527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118891	66.460	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.920%	
35) Dibromofluoromethane	7.716	113	92593	53.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.179	98	330733	50.379	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	12.483	95	107718	49.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.720%	
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	4079	7.682	ug/l #	85
17) Carbon Disulfide	4.186	76	31555	6.989	ug/l	98
20) Methylene Chloride	4.716	84	18785	7.836	ug/l	97
25) 2-Butanone	7.009	43	889	1.372	ug/l #	82
31) Cyclohexane	7.795	56	3610	1.313	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	12044	4.578	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15074	5.038	ug/l #	18
49) 1,4-Dioxane	9.100	88	18	1.382	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	59994	40.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59994	87.972	ug/l #	10
95) Naphthalene	15.245	128	435	4.623	ug/l #	68

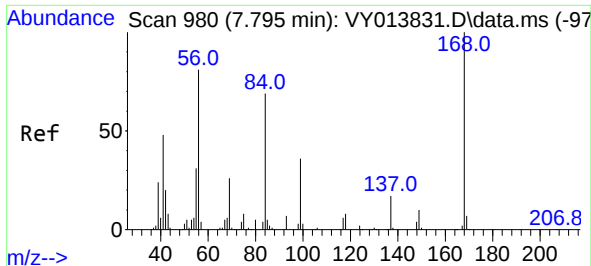
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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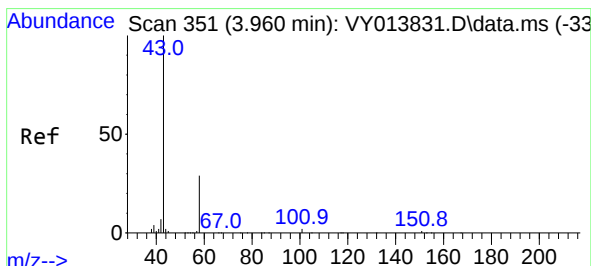
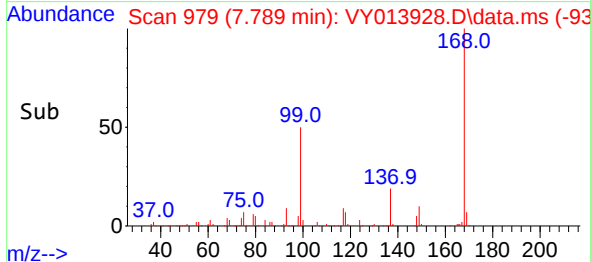
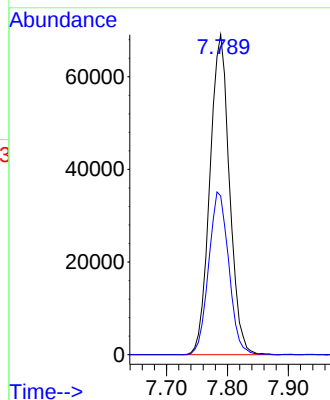
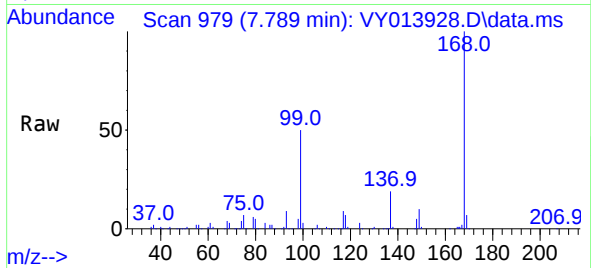




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

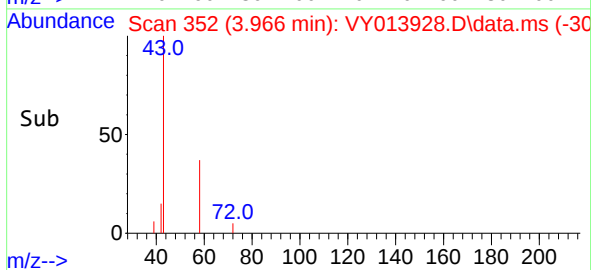
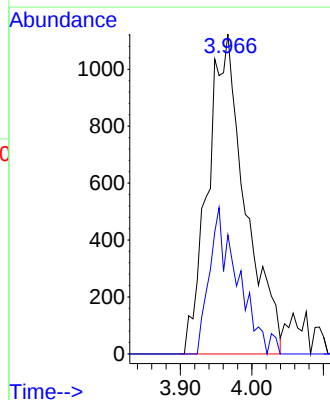
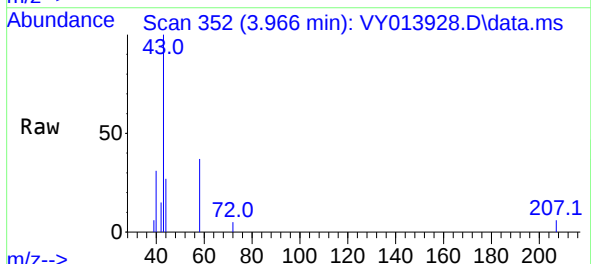
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823-FD

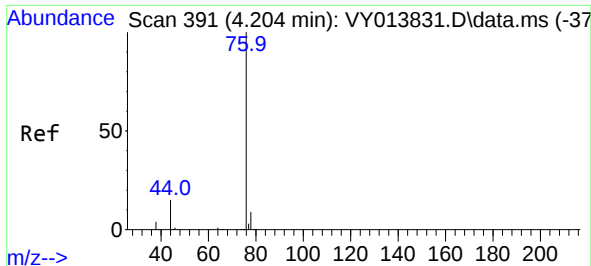
Tgt Ion:168 Resp: 154630
Ion Ratio Lower Upper
168 100
99 49.6 43.4 65.2



#16
Acetone
Concen: 7.682 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion: 43 Resp: 4079
Ion Ratio Lower Upper
43 100
58 37.2 23.3 34.9#

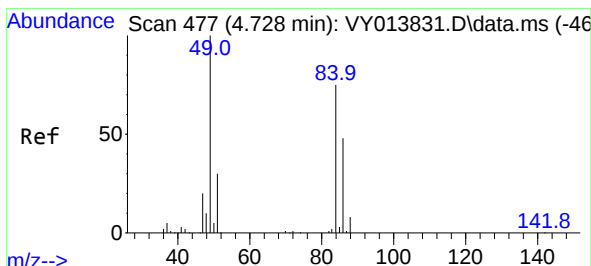
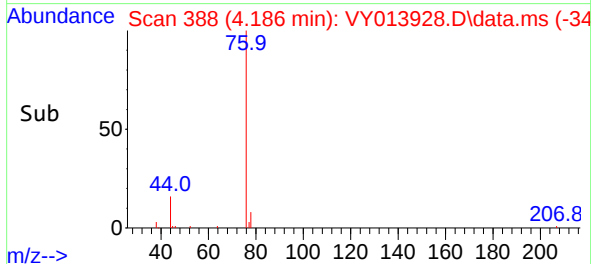
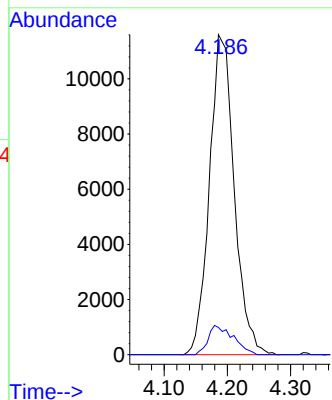
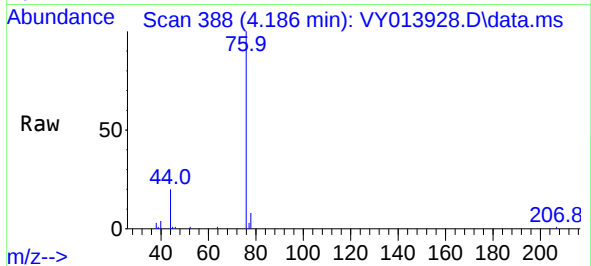




#17
Carbon Disulfide
Concen: 6.989 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

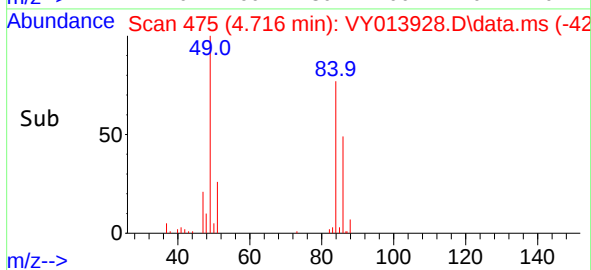
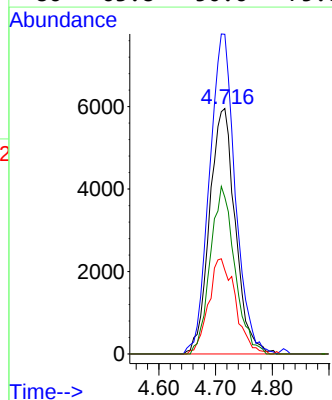
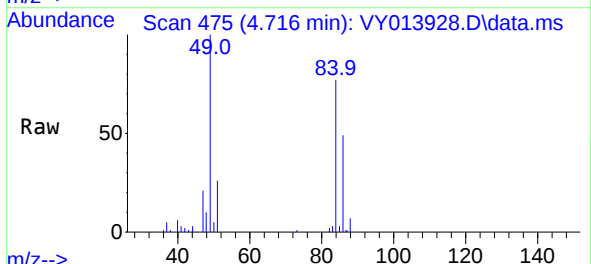
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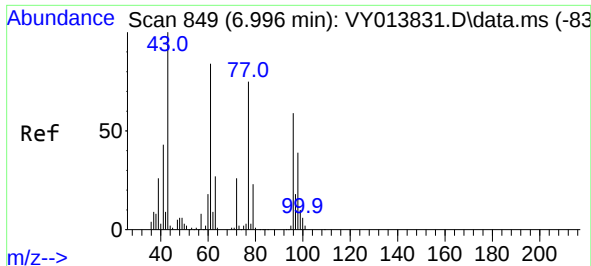
Tgt Ion: 76 Resp: 31555
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



#20
Methylene Chloride
Concen: 7.836 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion: 84 Resp: 18785
Ion Ratio Lower Upper
84 100
49 130.3 106.2 159.2
51 34.2 31.4 47.0
86 63.8 50.6 75.8

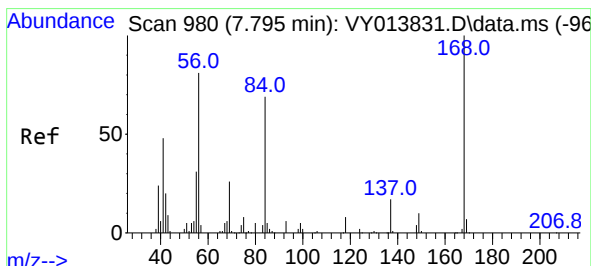
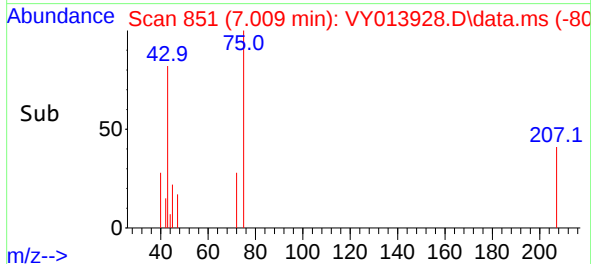
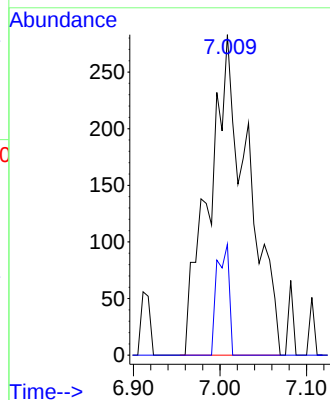
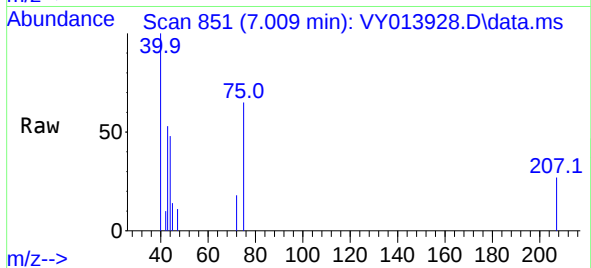




#25
2-Butanone
Concen: 1.372 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

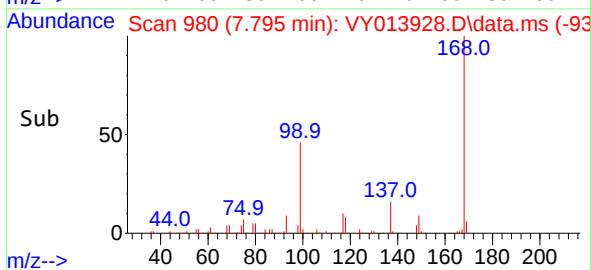
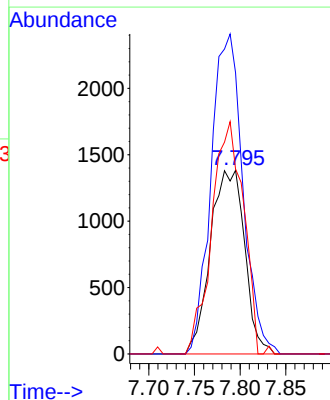
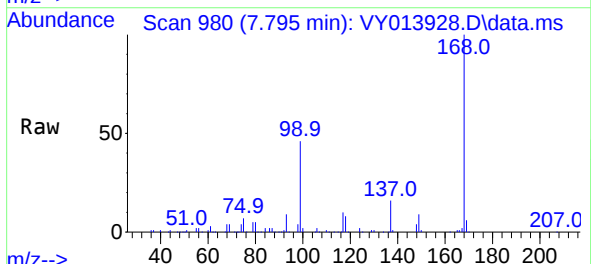
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823-FD

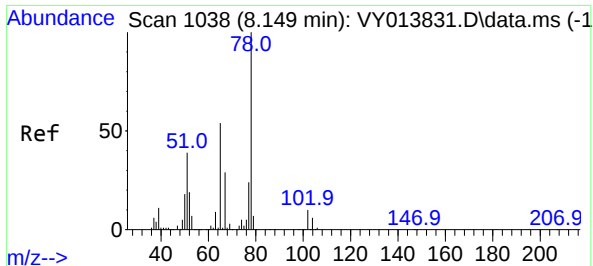
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
72 34.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.313 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion: 56 Resp: 3610
Ion Ratio Lower Upper
56 100
69 153.0 25.8 38.8#
84 100.7 68.2 102.2

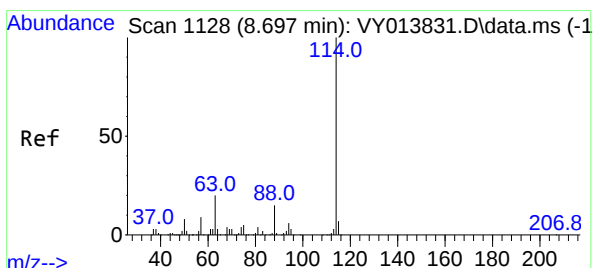
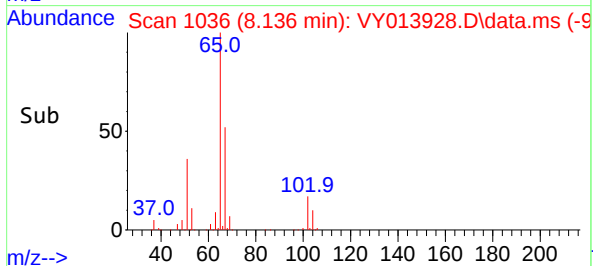
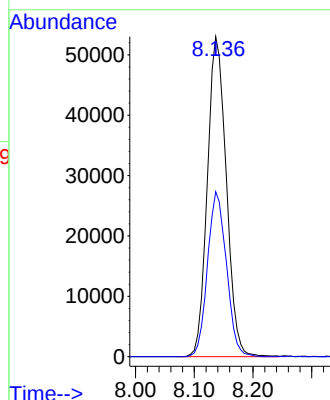
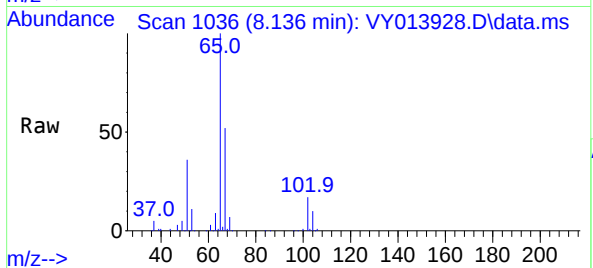




#33
1,2-Dichloroethane-d4
Concen: 66.460 ug/l
RT: 8.136 min Scan# 110
Delta R.T. -0.012 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

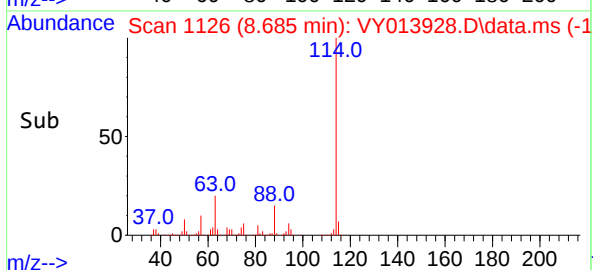
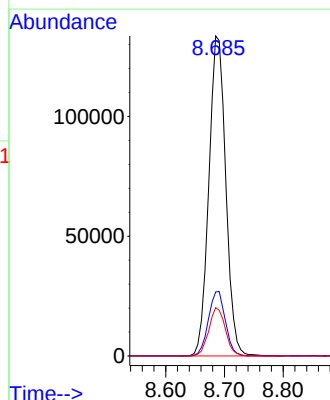
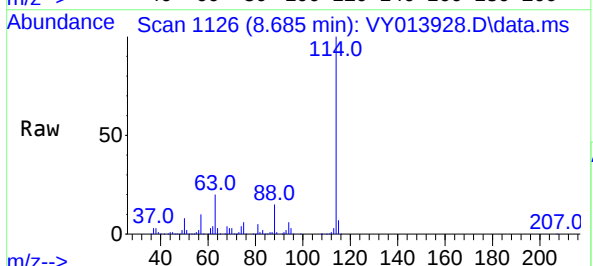
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823-FD

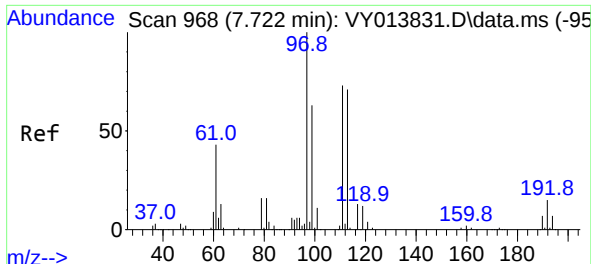
Tgt Ion: 65 Resp: 118891
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.012 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion:114 Resp: 267463
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 53.606 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY013928.D

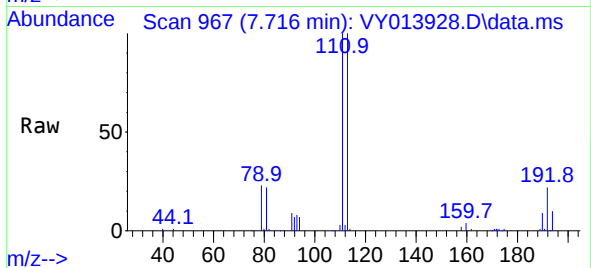
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Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-62.5-051823-FD



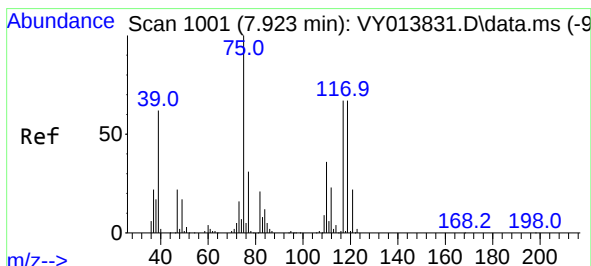
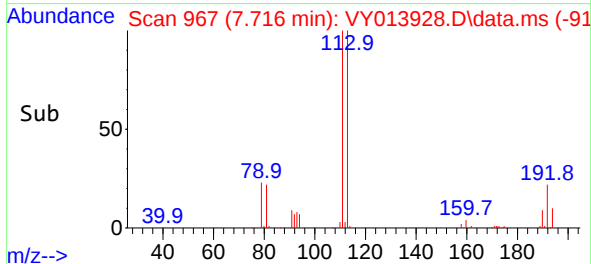
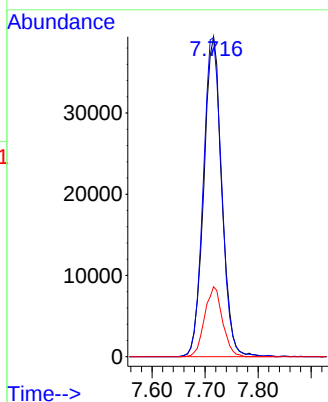
Tgt Ion:113 Resp: 92593

Ion Ratio Lower Upper

113 100

111 102.0 80.4 120.6

192 21.7 16.6 25.0



#36

1,1-Dichloropropene

Concen: 4.578 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY013928.D

Acq: 30 May 2023 18:39

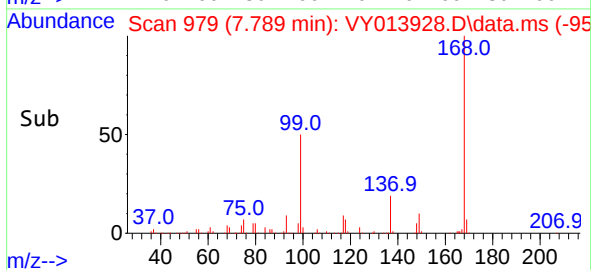
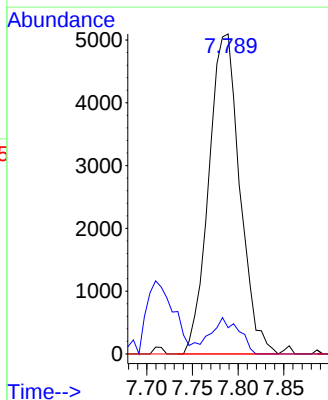
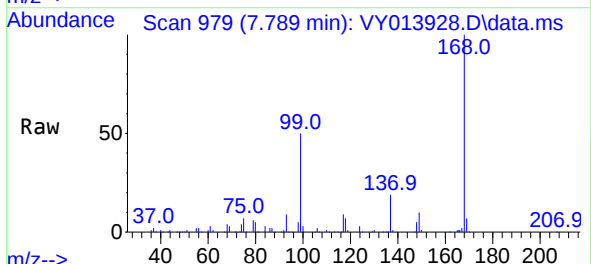
Tgt Ion: 75 Resp: 12044

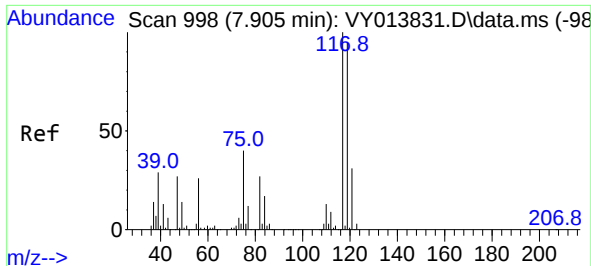
Ion Ratio Lower Upper

75 100

110 9.9 17.5 52.6#

77 0.0 24.4 36.6#

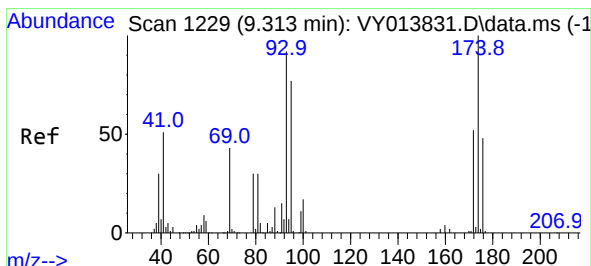
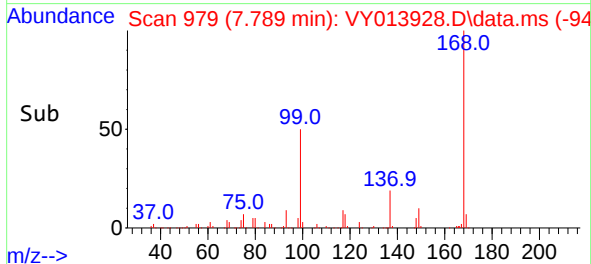
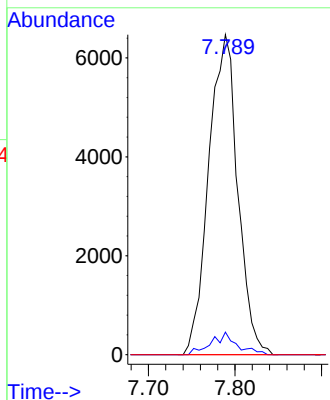
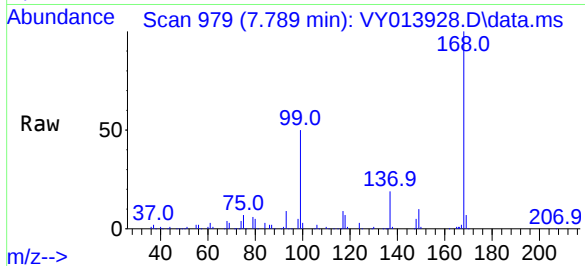




#38
Carbon Tetrachloride
Concen: 5.038 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

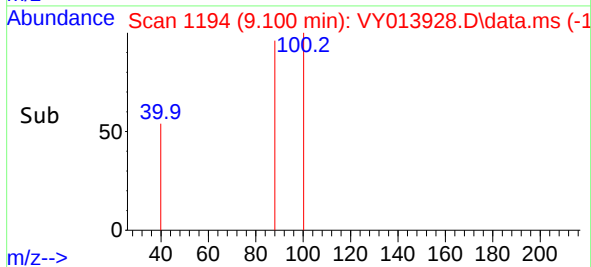
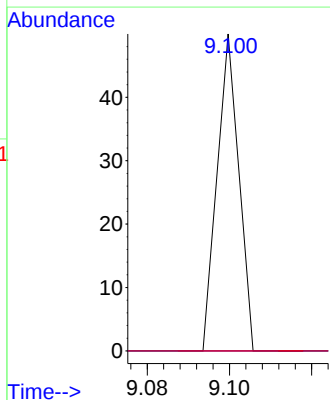
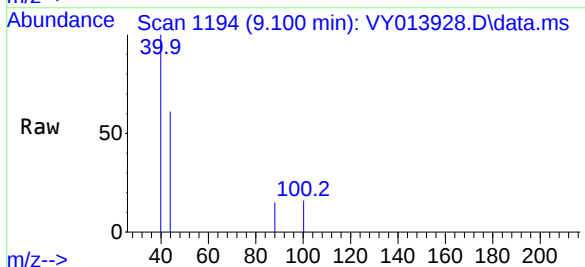
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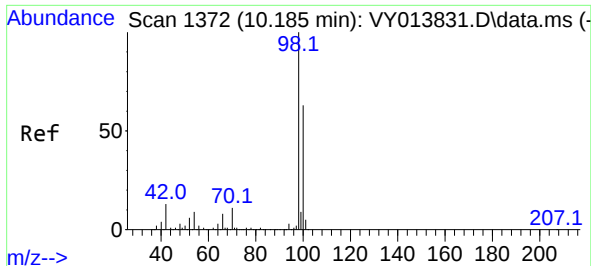
Tgt Ion:117 Resp: 15074
Ion Ratio Lower Upper
117 100
119 7.0 75.6 113.4#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.382 ug/l
RT: 9.100 min Scan# 1194
Delta R.T. -0.213 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 59.0 88.6#

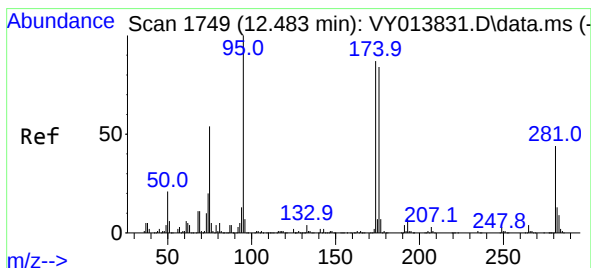
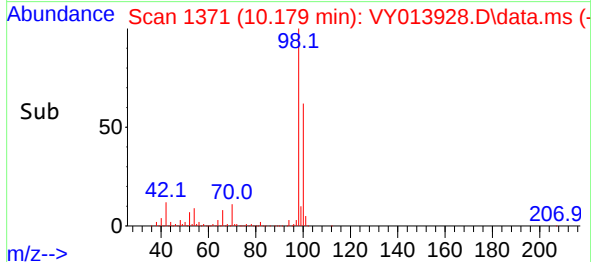
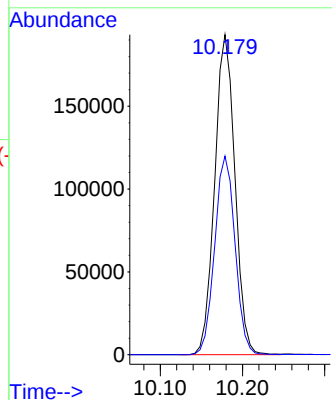
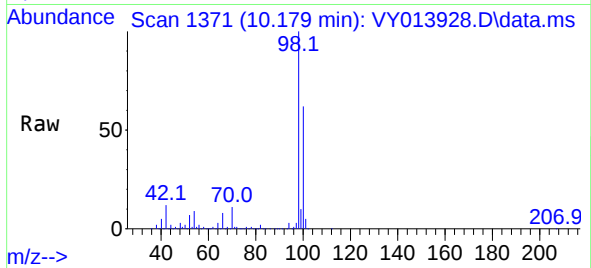




#50
Toluene-d8
Concen: 50.379 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

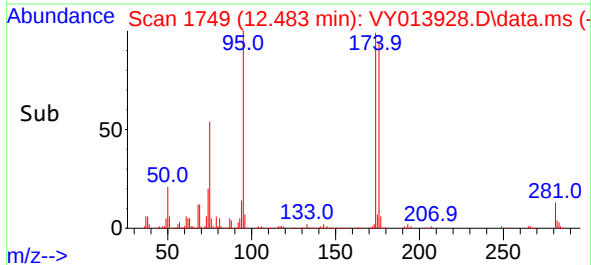
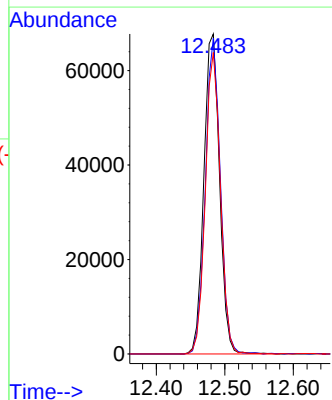
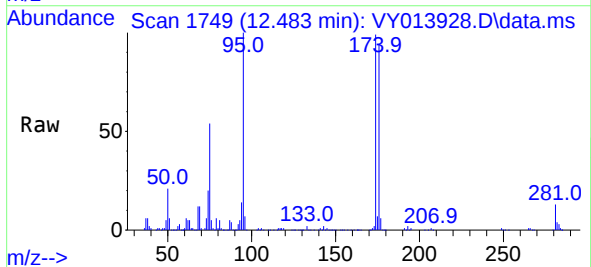
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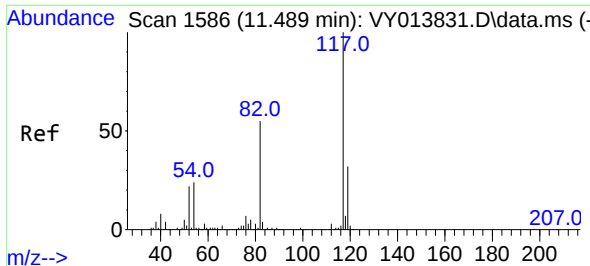
Tgt Ion: 98 Resp: 330733
Ion Ratio Lower Upper
98 100
100 62.4 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 49.363 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion: 95 Resp: 107718
Ion Ratio Lower Upper
95 100
174 94.9 0.0 176.0
176 91.1 0.0 170.2

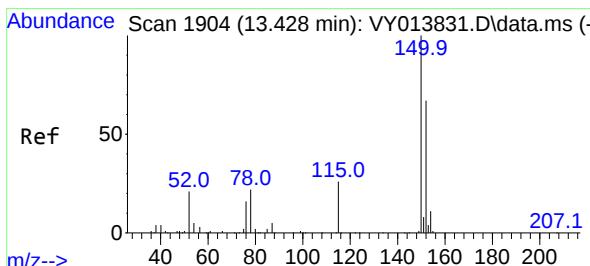
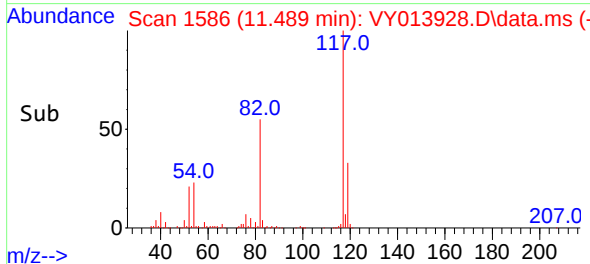
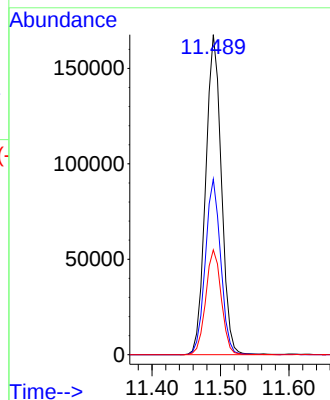
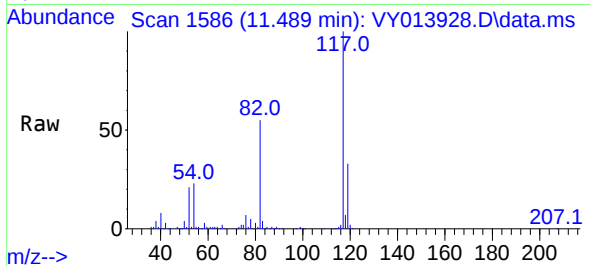




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

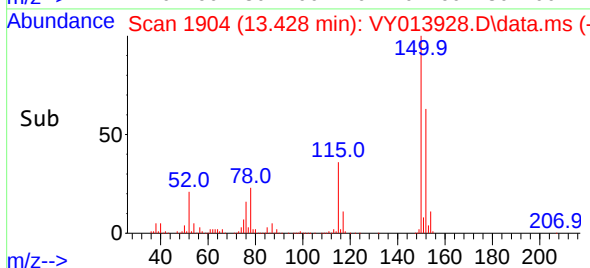
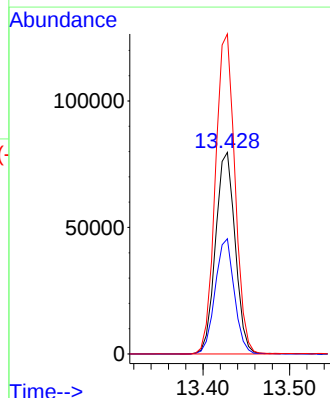
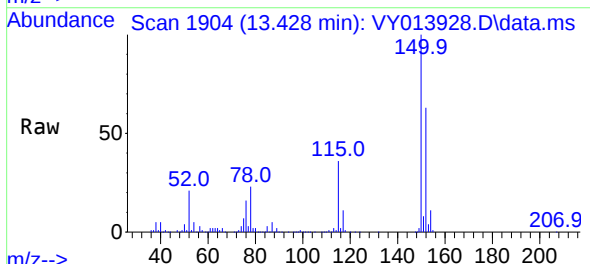
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823-FD

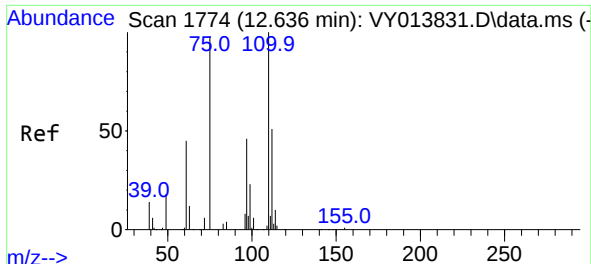
Tgt Ion:	117	Resp:	267527
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.2	66.4
119	32.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

Tgt Ion:	152	Resp:	125545
Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.8	86.5
150	158.2	0.0	353.4

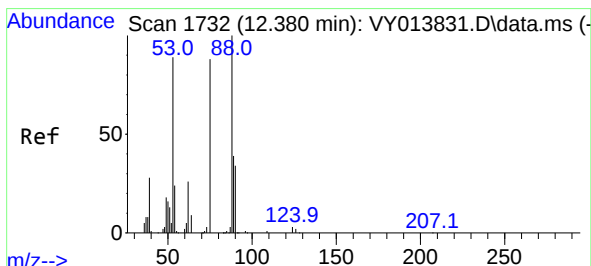
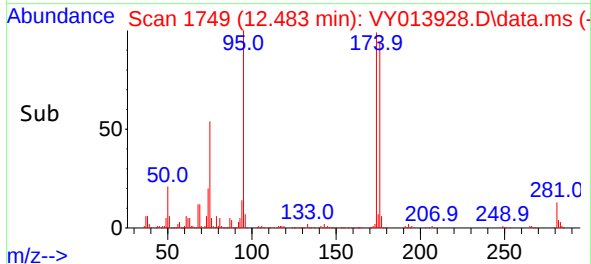
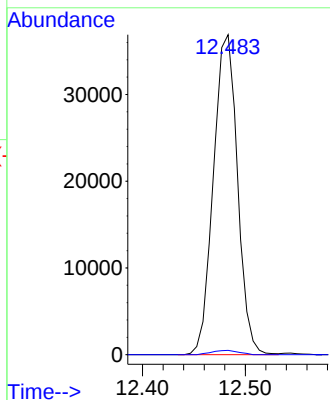
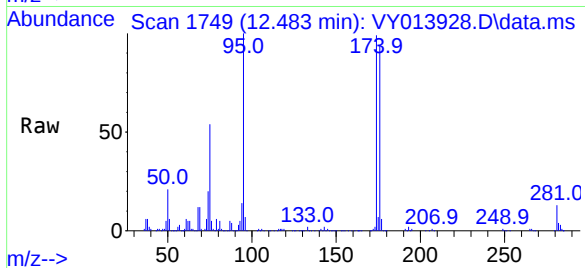




#76
1,2,3-Trichloropropane
Concen: 40.527 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

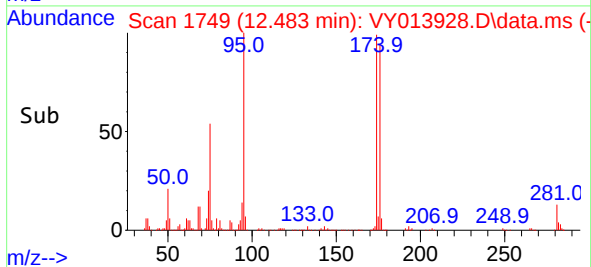
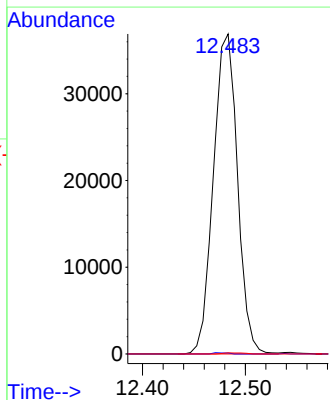
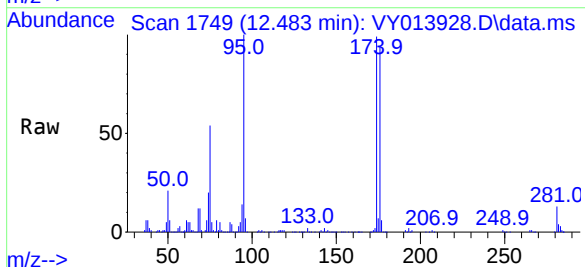
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-62.5-051823-FD

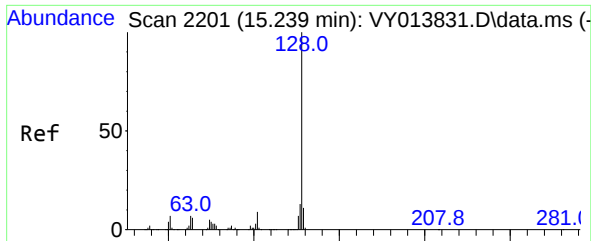
Tgt Ion: 75 Resp: 59994
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.972 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

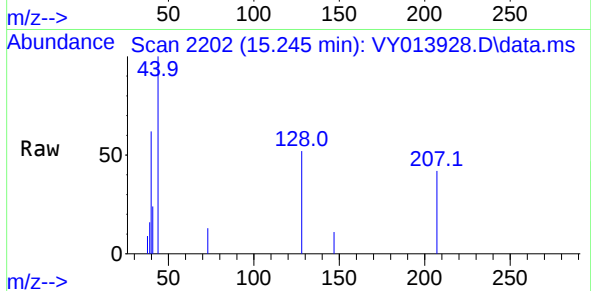
Tgt Ion: 75 Resp: 59994
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.3 36.4 54.6#





#95
Naphthalene
Concen: 4.623 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013928.D
Acq: 30 May 2023 18:39

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



Tgt Ion:128 Resp: 435
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

