

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053023\
 Data File : VY013916.D
 Acq On : 30 May 2023 13:58
 Operator : KP/MD
 Sample : 02945-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB20

Quant Time: May 30 15:37:53 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)

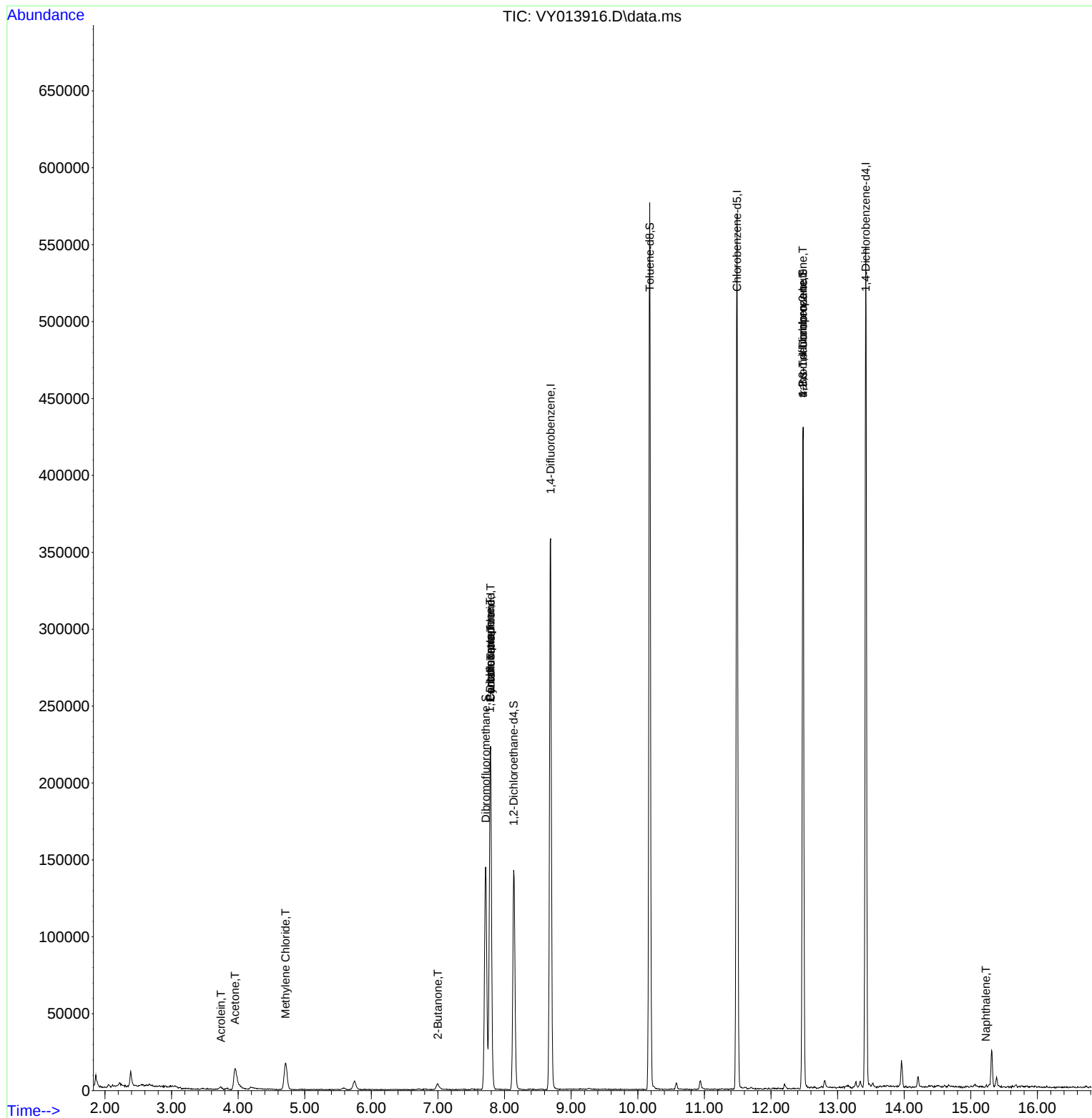
Internal Standards						
1) Pentafluorobenzene	7.789	168	176147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	295339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	118393	58.097	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.200%	
35) Dibromofluoromethane	7.716	113	99371	51.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.340%	
50) Toluene-d8	10.179	98	364933	49.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.477	95	124097	51.077	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.160%	
Target Compounds						
					Qvalue	
13) Acrolein	3.741	56	2108	8.977	ug/l	92
16) Acetone	3.954	43	33854	55.973	ug/l	97
20) Methylene Chloride	4.710	84	12743	3.584	ug/l	93
25) 2-Butanone	6.997	43	6194	8.393	ug/l #	90
31) Cyclohexane	7.789	56	4086	1.305	ug/l #	28
36) 1,1-Dichloropropene	7.783	75	13188	4.502	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17212	5.167	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	66584	41.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66584	89.130	ug/l #	10
95) Naphthalene	15.227	128	1137	4.725	ug/l #	84

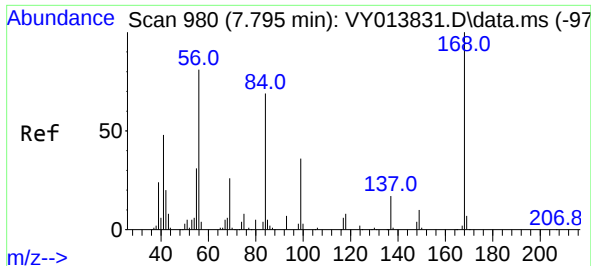
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

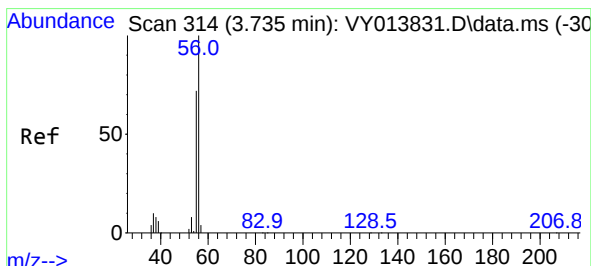
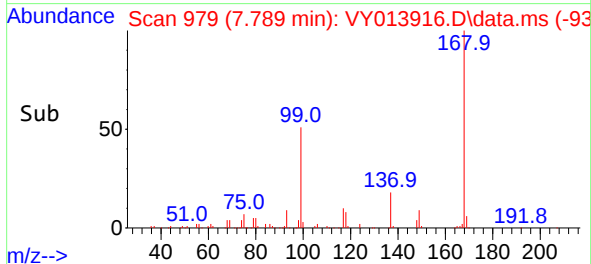
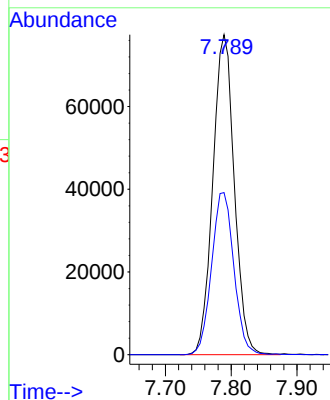
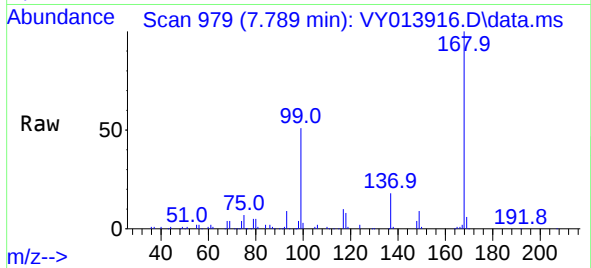




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

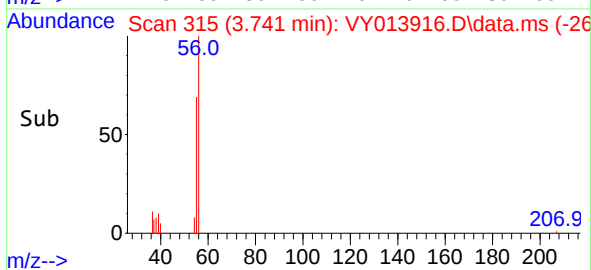
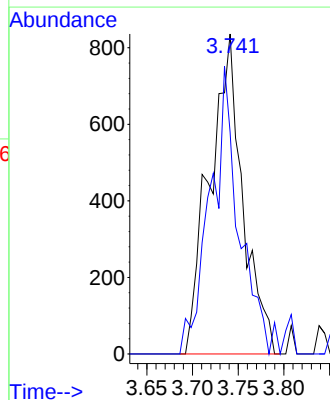
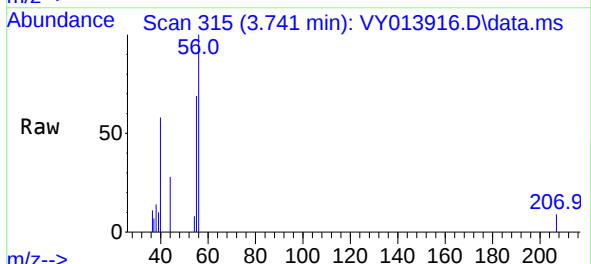
Instrument :
MSVOA_Y
ClientSampleId :
SB20

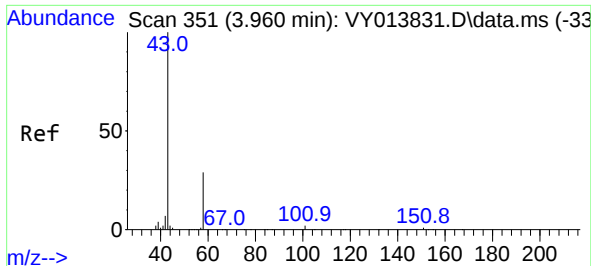
Tgt Ion:168 Resp: 176147
Ion Ratio Lower Upper
168 100
99 50.6 43.4 65.2



#13
Acrolein
Concen: 8.977 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 56 Resp: 2108
Ion Ratio Lower Upper
56 100
55 77.1 56.2 84.2

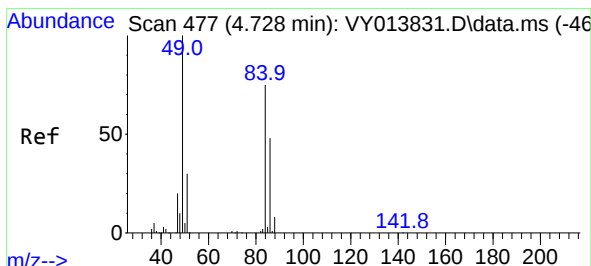
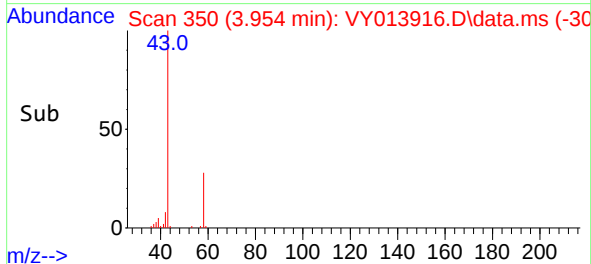
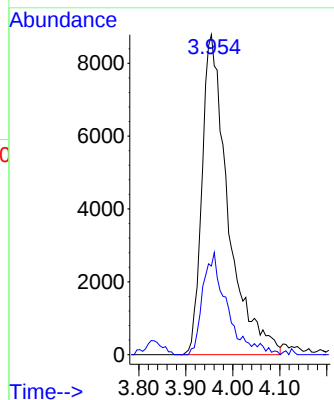
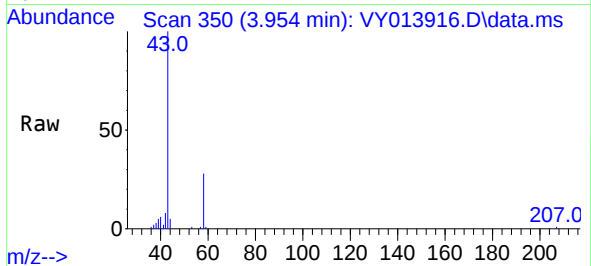




#16
Acetone
Concen: 55.973 ug/l
RT: 3.954 min Scan# 316
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

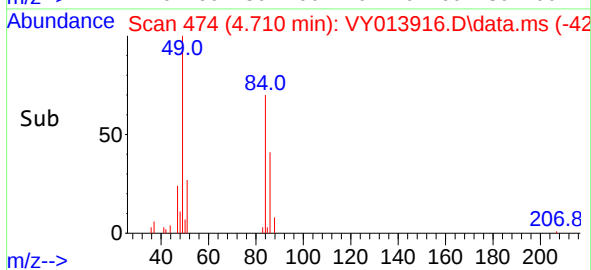
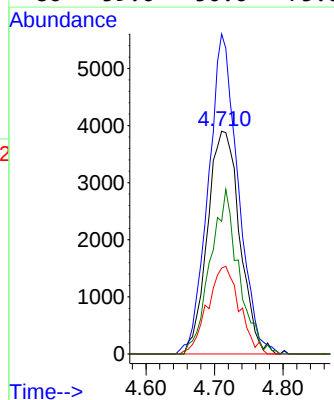
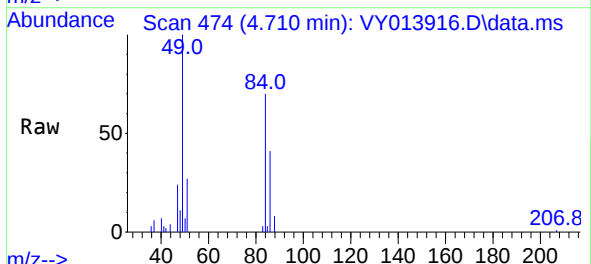
Instrument :
MSVOA_Y
ClientSampleId :
SB20

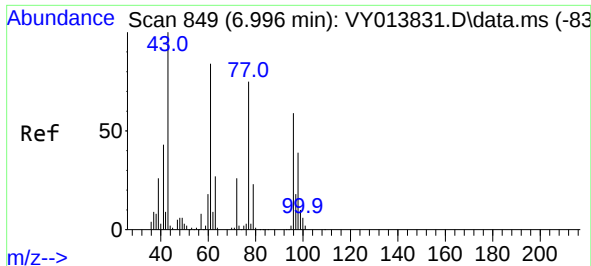
Tgt Ion: 43 Resp: 33854
Ion Ratio Lower Upper
43 100
58 27.7 23.3 34.9



#20
Methylene Chloride
Concen: 3.584 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 84 Resp: 12743
Ion Ratio Lower Upper
84 100
49 143.6 106.2 159.2
51 38.6 31.4 47.0
86 59.6 50.6 75.8





#25

2-Butanone

Concen: 8.393 ug/l

RT: 6.997 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY013916.D

Acq: 30 May 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

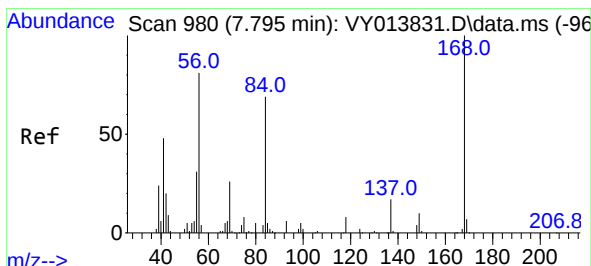
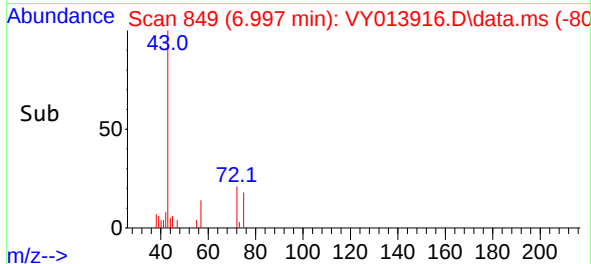
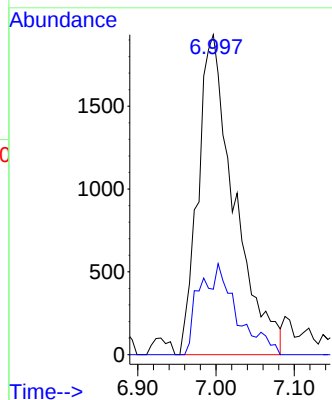
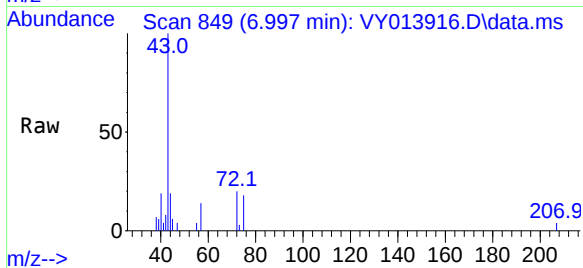
SB20

Tgt Ion: 43 Resp: 6194

Ion Ratio Lower Upper

43 100

72 20.4 20.5 30.7#



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY013916.D

Acq: 30 May 2023 13:58

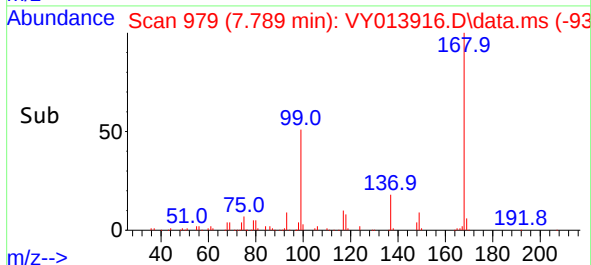
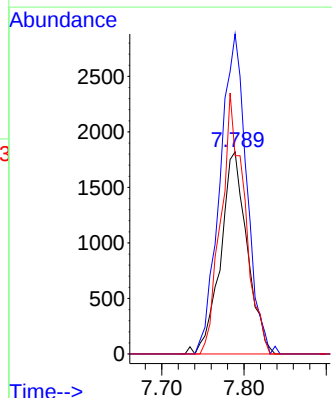
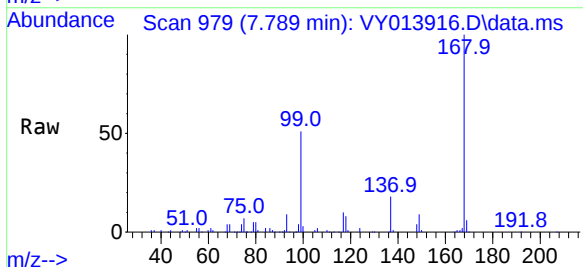
Tgt Ion: 56 Resp: 4086

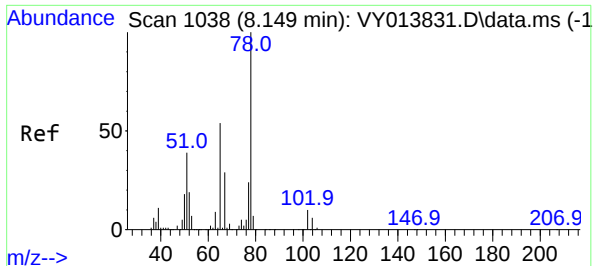
Ion Ratio Lower Upper

56 100

69 158.4 25.8 38.8#

84 98.1 68.2 102.2





#33

1,2-Dichloroethane-d4

Concen: 58.097 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013916.D

Acq: 30 May 2023 13:58

Instrument :

MSVOA_Y

ClientSampleId :

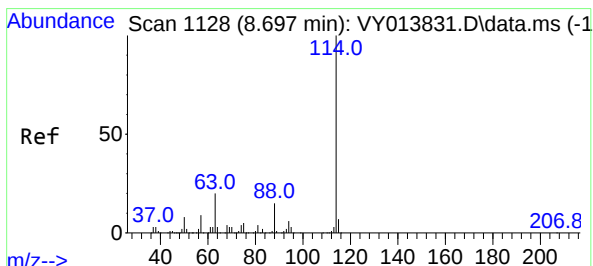
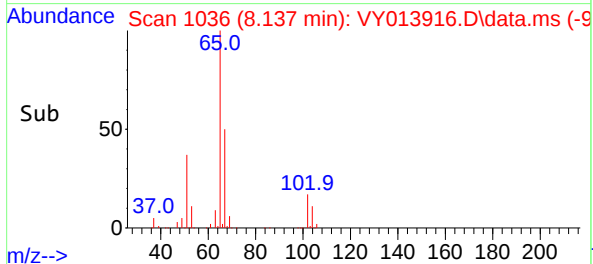
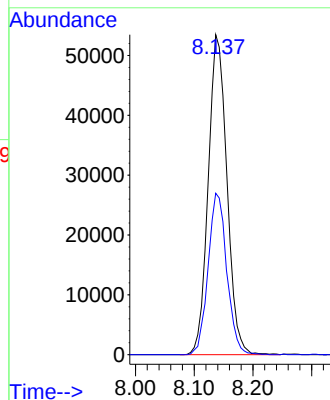
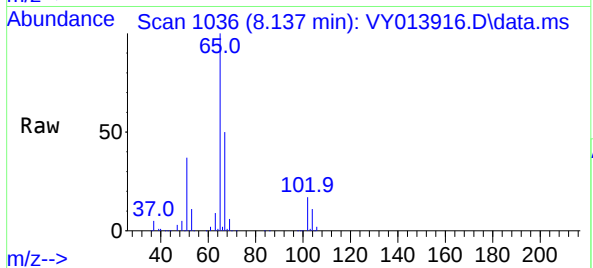
SB20

Tgt Ion: 65 Resp: 118393

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013916.D

Acq: 30 May 2023 13:58

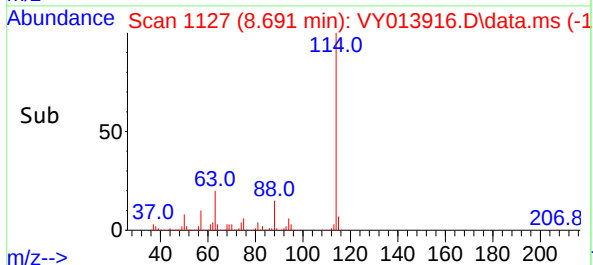
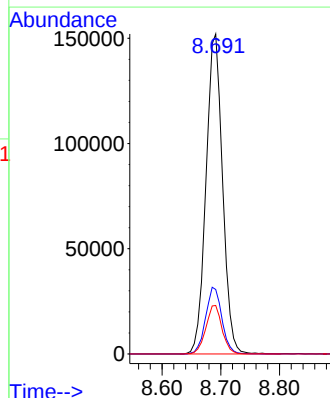
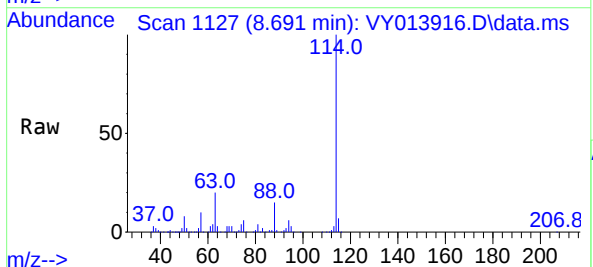
Tgt Ion:114 Resp: 297788

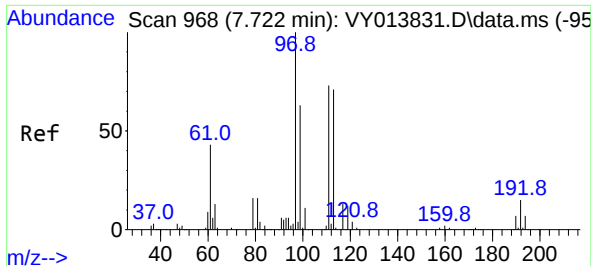
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.2

88 15.1 0.0 30.0

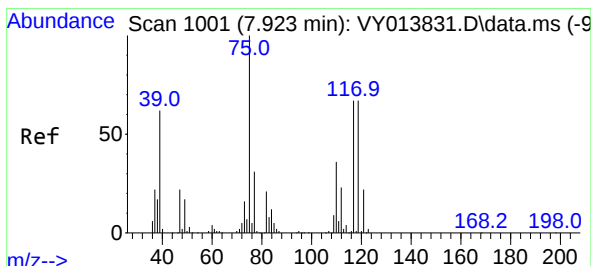
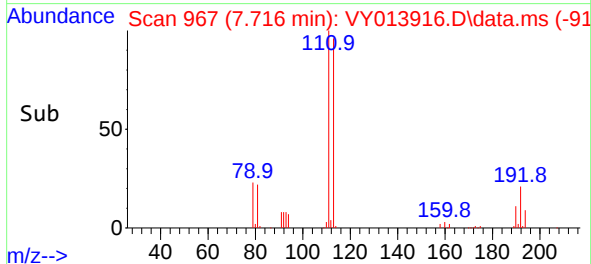
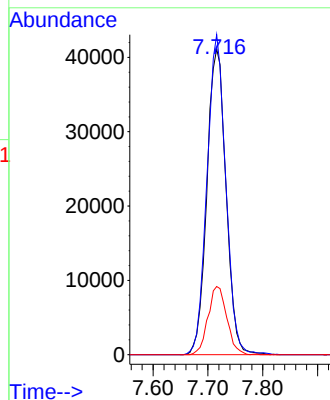
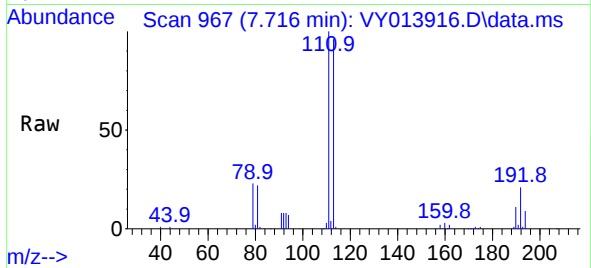




#35
Dibromofluoromethane
Concen: 51.671 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

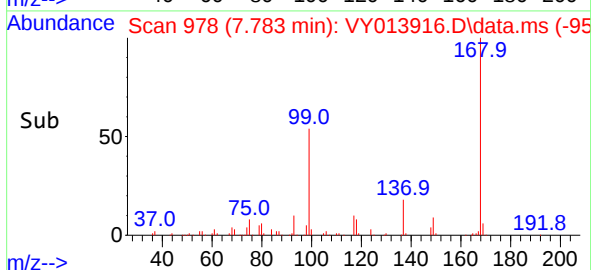
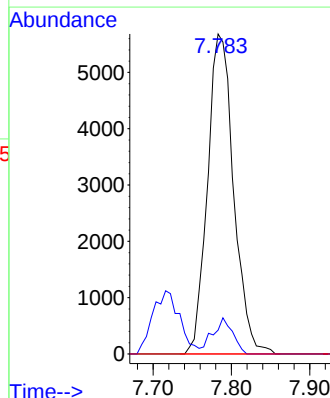
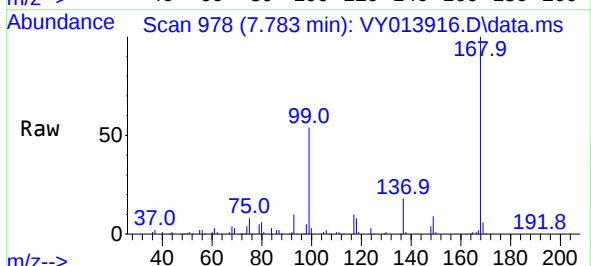
Instrument :
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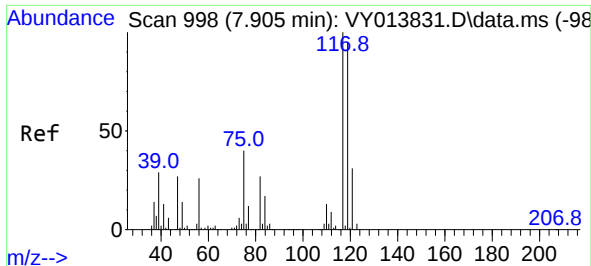
Tgt Ion:113 Resp: 99371
Ion Ratio Lower Upper
113 100
111 102.8 80.4 120.6
192 21.9 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 75 Resp: 13188
Ion Ratio Lower Upper
75 100
110 8.6 17.5 52.6#
77 0.0 24.4 36.6#

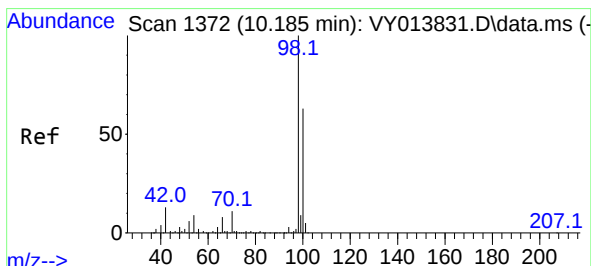
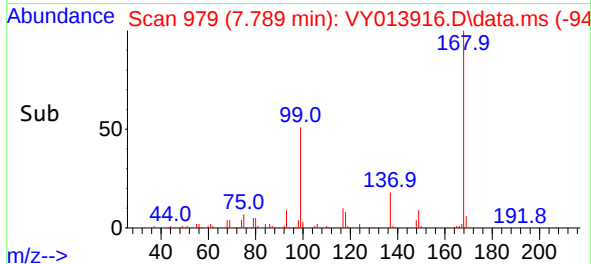
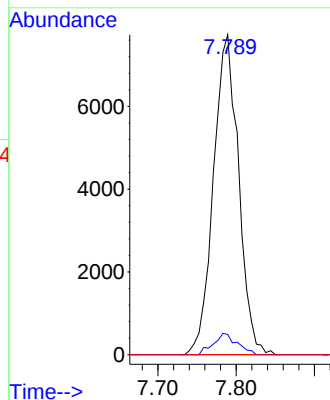
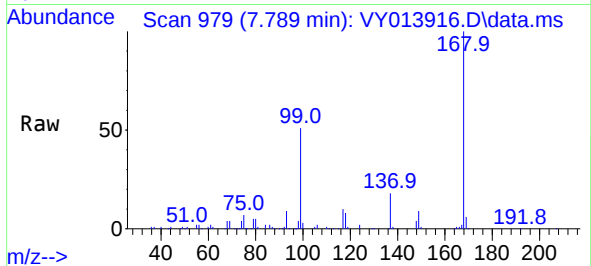




#38
Carbon Tetrachloride
Concen: 5.167 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

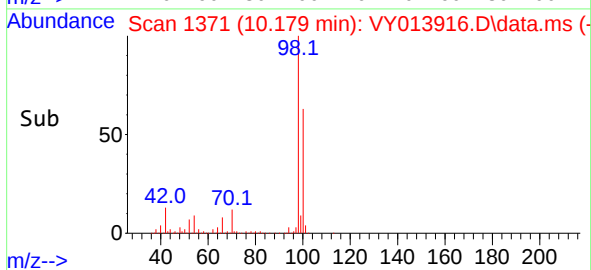
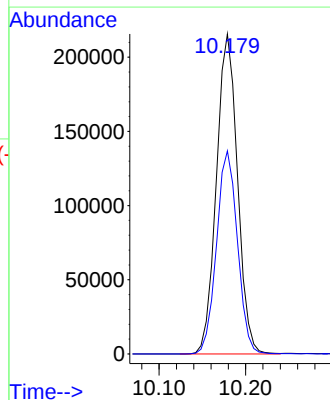
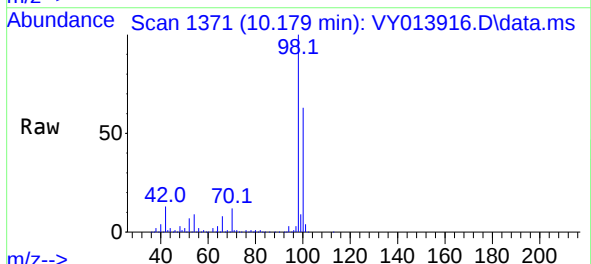
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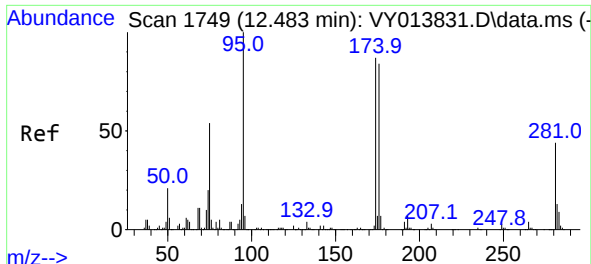
Tgt Ion:117 Resp: 17212
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.928 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 98 Resp: 364933
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2

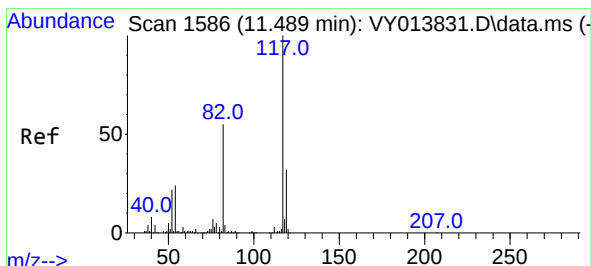
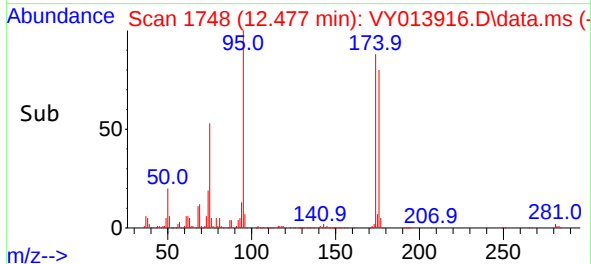
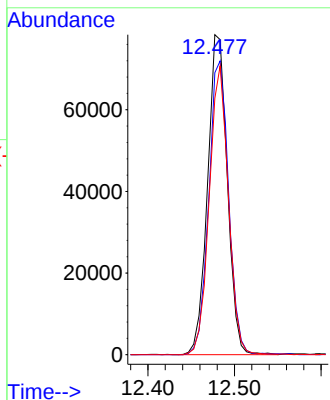
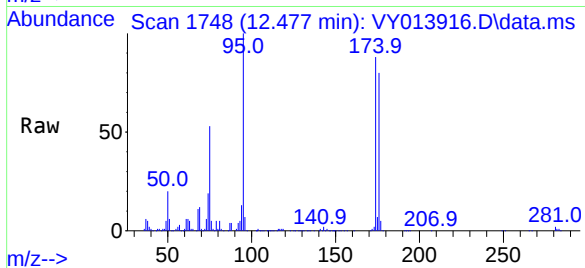




#62
4-Bromofluorobenzene
Concen: 51.077 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

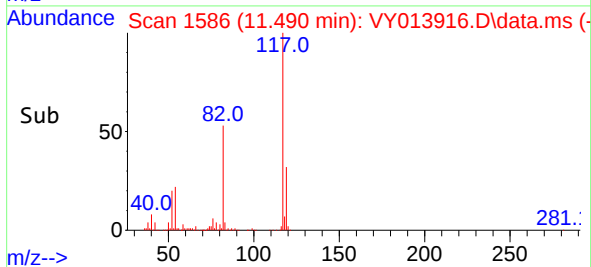
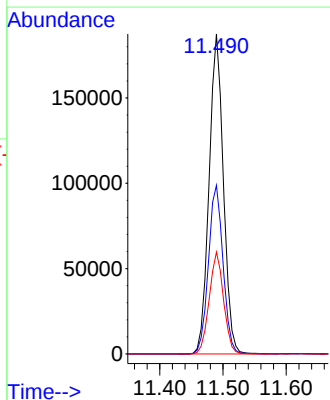
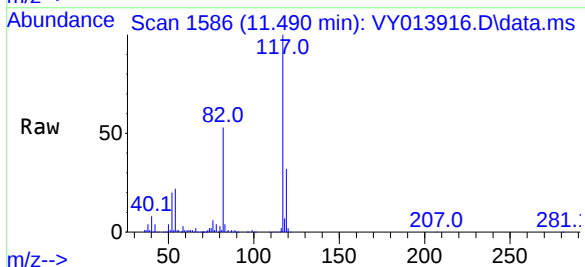
Instrument :
MSVOA_Y
ClientSampleId :
SB20

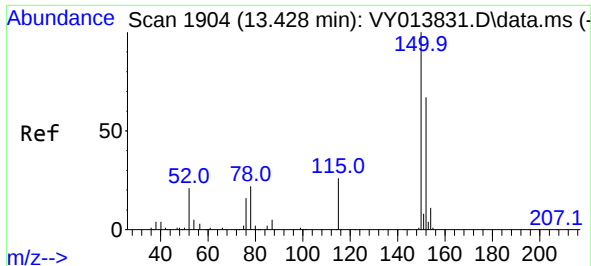
Tgt Ion: 95 Resp: 124097
Ion Ratio Lower Upper
95 100
174 92.4 0.0 176.0
176 87.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 117 Resp: 295339
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.4
119 31.8 25.7 38.5

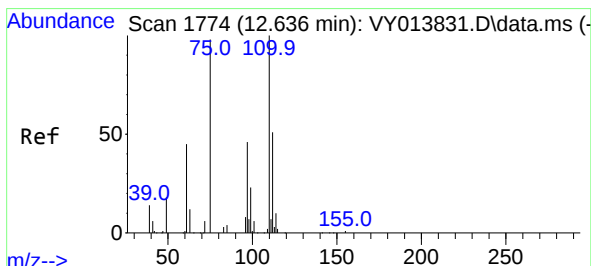
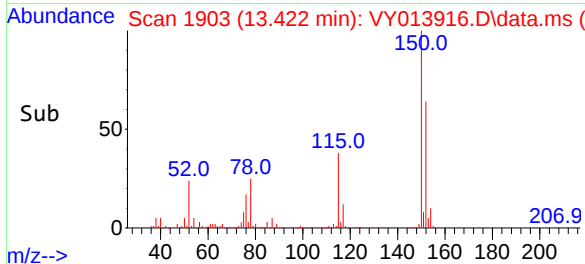
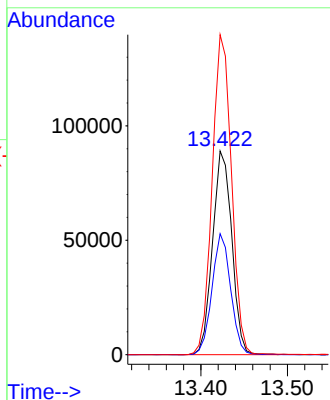
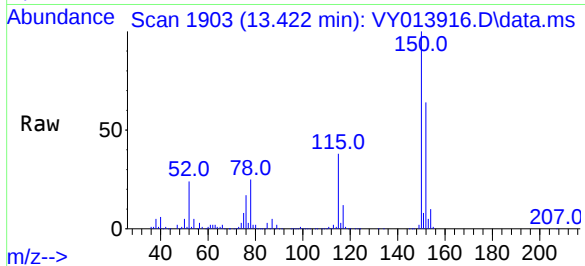




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

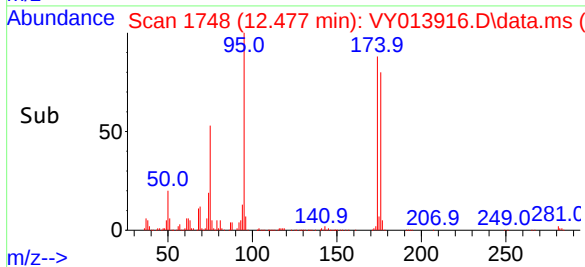
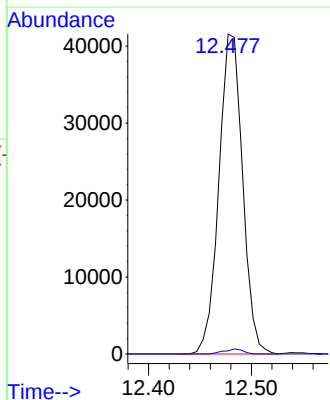
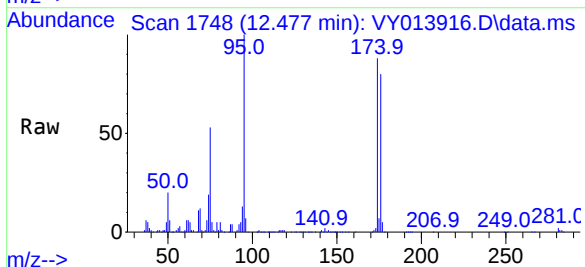
Instrument :
MSVOA_Y
ClientSampleId :
SB20

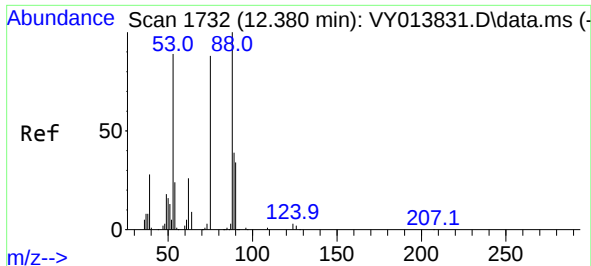
Tgt Ion:152 Resp: 137524
Ion Ratio Lower Upper
152 100
115 57.6 28.8 86.5
150 157.5 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 41.061 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 75 Resp: 66584
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

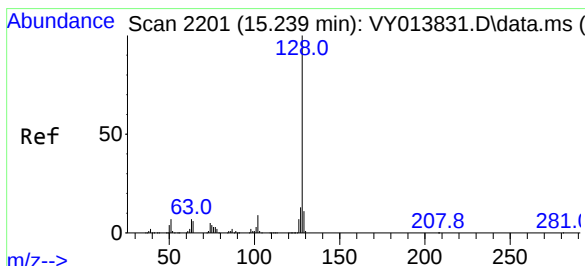
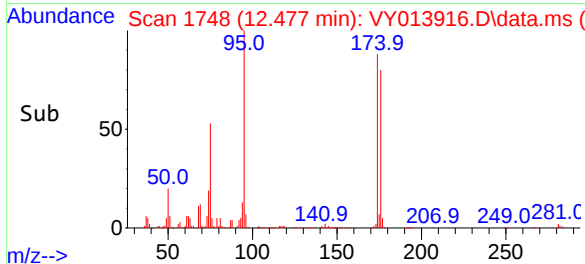
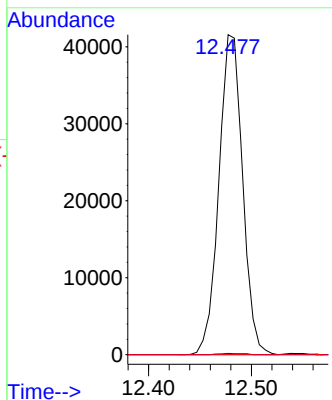
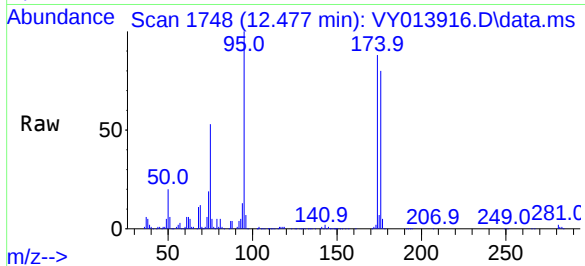




#81
trans-1,4-Dichloro-2-butene
Concen: 89.130 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Instrument :
MSVOA_Y
ClientSampleId :
SB20

Tgt Ion: 75 Resp: 66584
Ion Ratio Lower Upper
75 100
53 0.4 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.725 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY013916.D
Acq: 30 May 2023 13:58

Tgt Ion: 128 Resp: 1137
Ion Ratio Lower Upper
128 100
127 7.9 10.7 16.1#
129 4.4 9.0 13.4#

