

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012850.D
 Acq On : 07 Mar 2023 17:18
 Operator : KP/MD
 Sample : 01827-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-030623

Quant Time: Mar 07 23:44:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

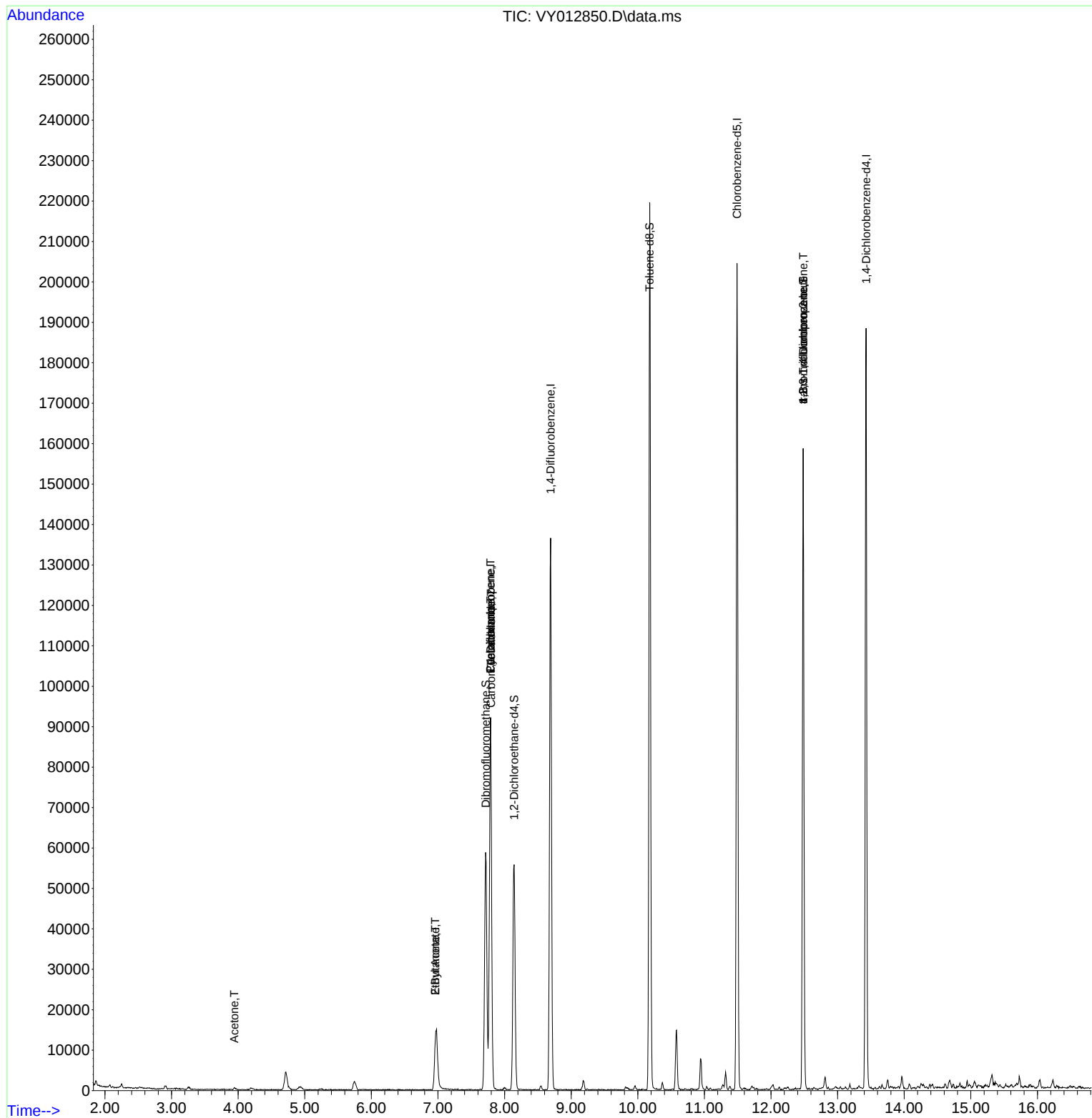
Internal Standards						
1) Pentafluorobenzene	7.789	168	70573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	116906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	108833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	48066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	44458	63.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.900%			
35) Dibromofluoromethane	7.716	113	40878	57.940	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.880%			
50) Toluene-d8	10.179	98	141211	54.749	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.500%			
62) 4-Bromofluorobenzene	12.483	95	41555	47.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.460%			
Target Compounds						
11) Tert butyl alcohol	4.930	59	1140	Below Cal	#	74
16) Acetone	3.942	43	821	2.985	ug/l	94
20) Methylene Chloride	4.710	84	3213	Below Cal	#	87
25) 2-Butanone	6.960	43	849	2.492	ug/l	# 49
31) Cyclohexane	7.789	56	1841	1.372	ug/l	# 9
36) 1,1-Dichloropropene	7.789	75	5690	4.813	ug/l	# 49
37) Ethyl Acetate	6.960	43	849	1.139	ug/l	# 1
38) Carbon Tetrachloride	7.795	117	6992	5.727	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	21884	38.126	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	21884	78.999	ug/l	# 13

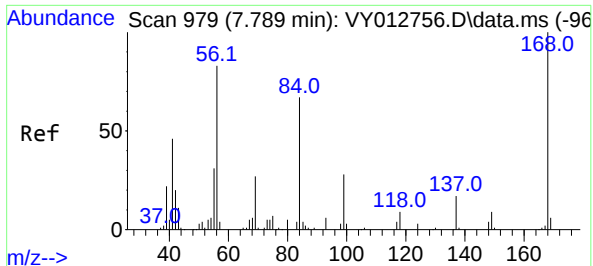
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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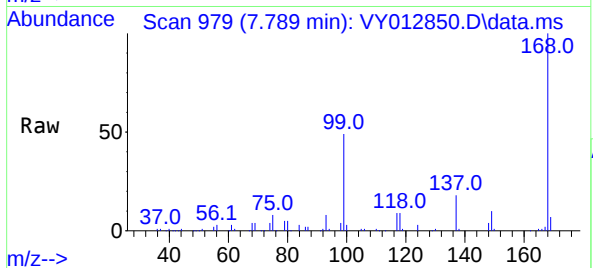
Quant Time: Mar 07 23:44:48 2023
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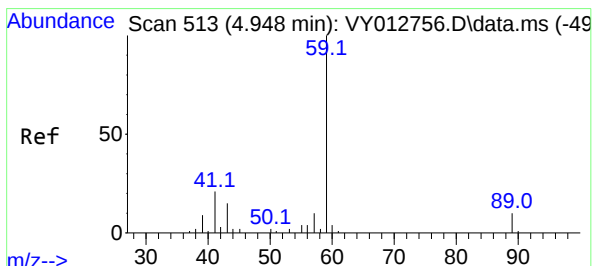
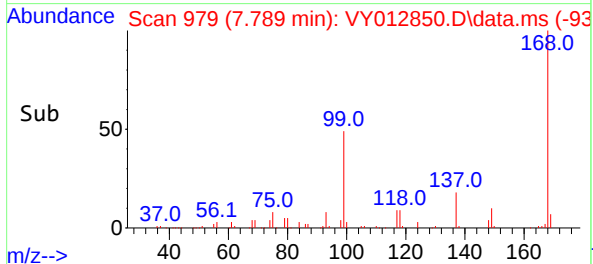
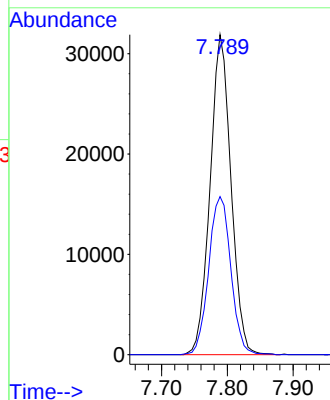


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

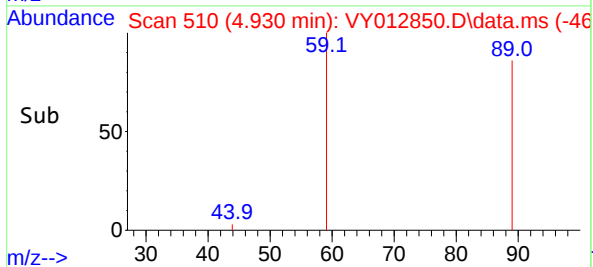
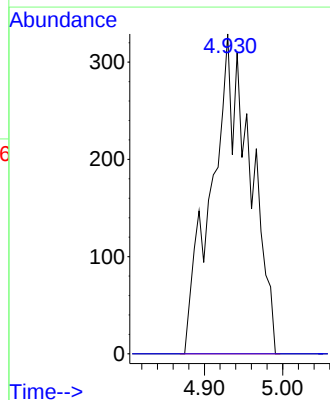
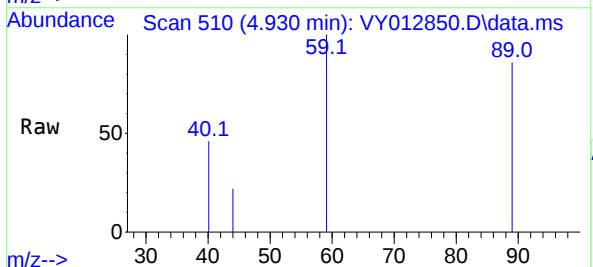


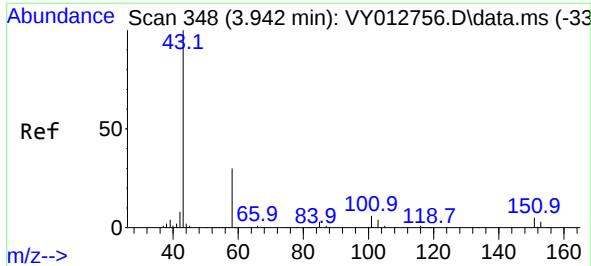
Tgt Ion:168 Resp: 70573
Ion Ratio Lower Upper
168 100
99 49.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion: 59 Resp: 1140
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.985 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

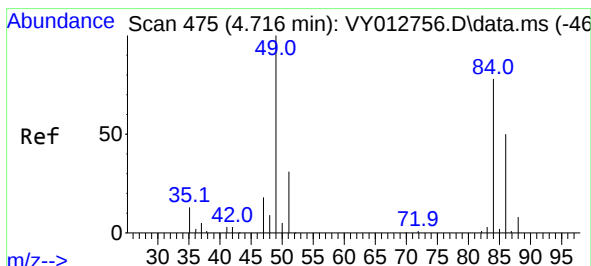
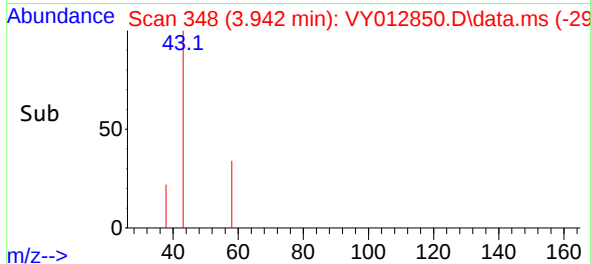
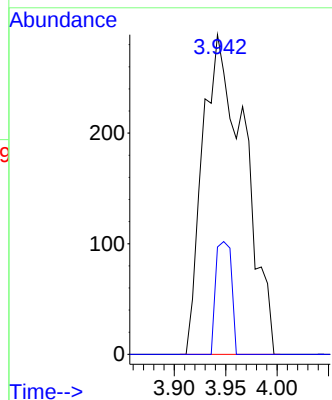
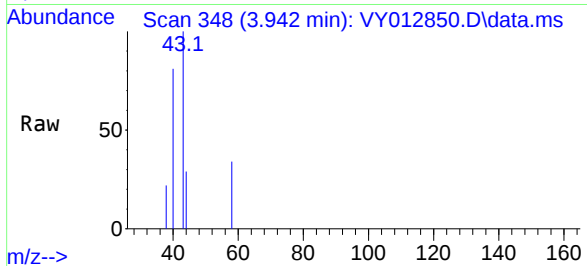
EO-03-030623

Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

58 33.6 24.2 36.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

Tgt Ion: 84 Resp: 3213

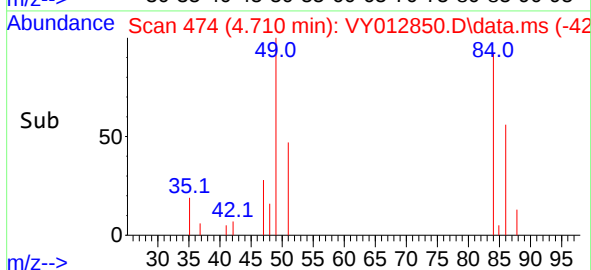
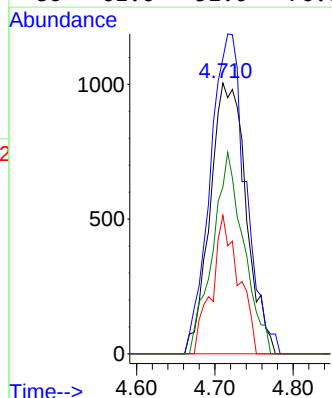
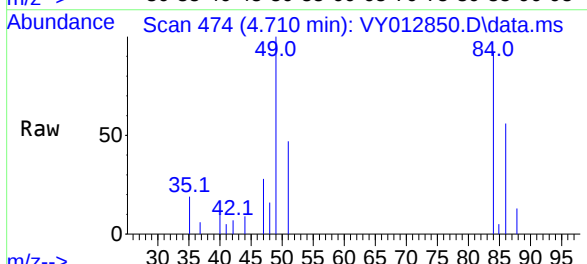
Ion Ratio Lower Upper

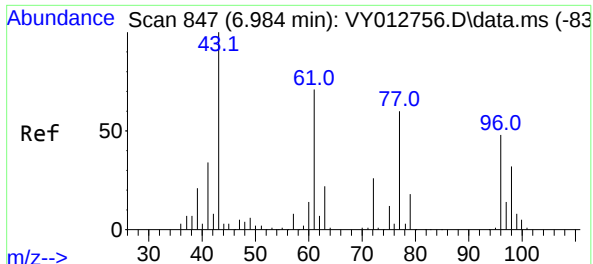
84 100

49 109.1 102.6 154.0

51 51.1 31.9 47.9#

86 61.6 51.0 76.6

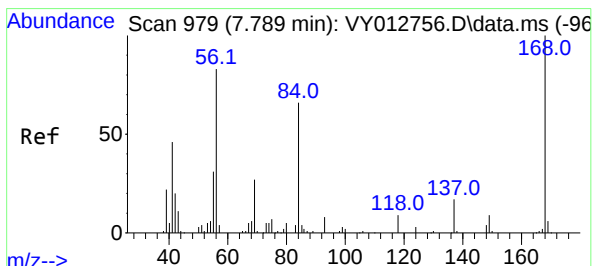
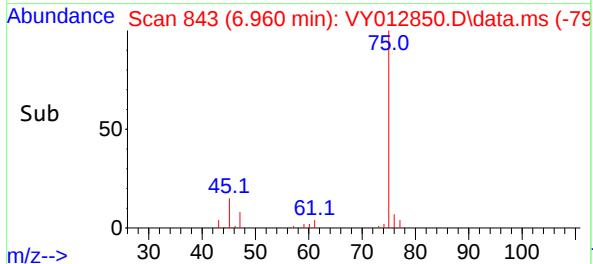
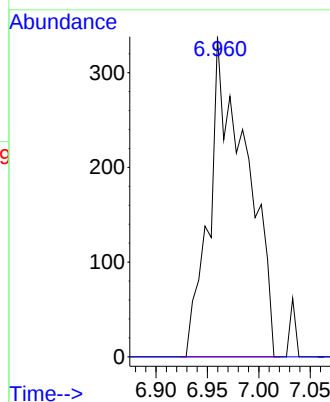
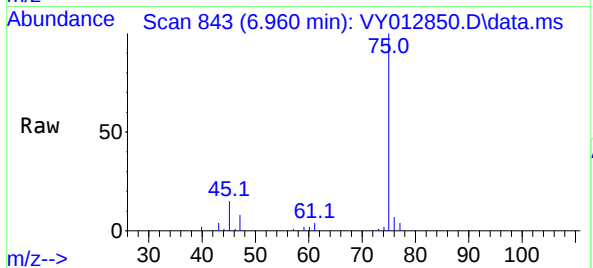




#25
2-Butanone
Concen: 2.492 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

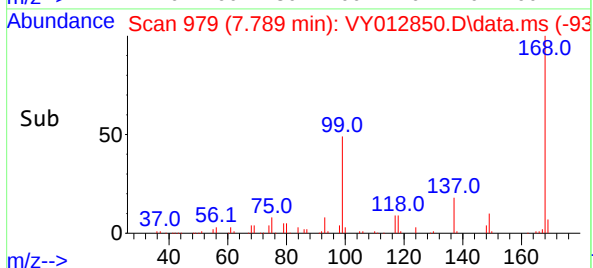
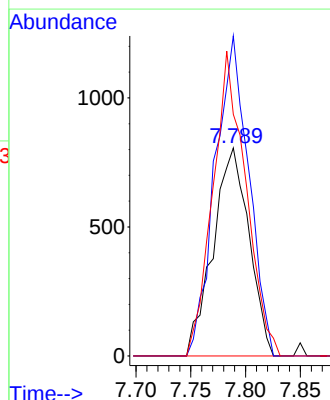
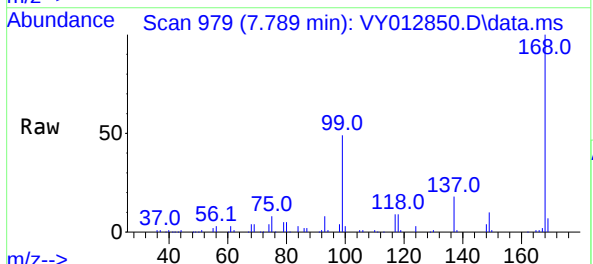
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

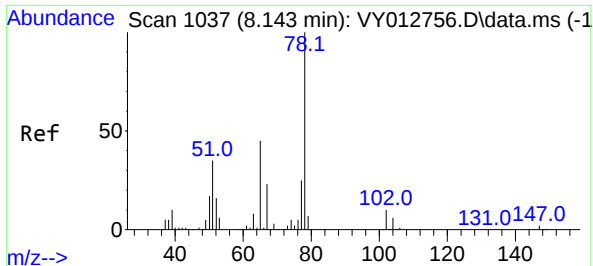
Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.372 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion: 56 Resp: 1841
Ion Ratio Lower Upper
56 100
69 153.8 25.7 38.5#
84 116.1 64.3 96.5#

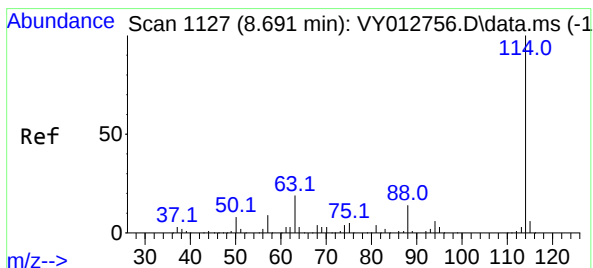
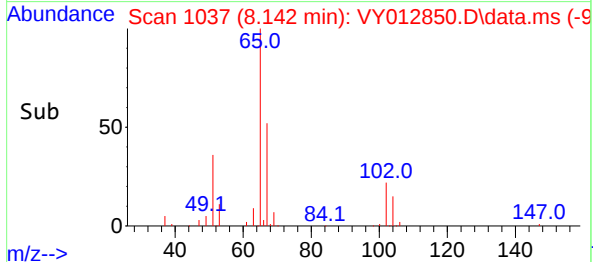
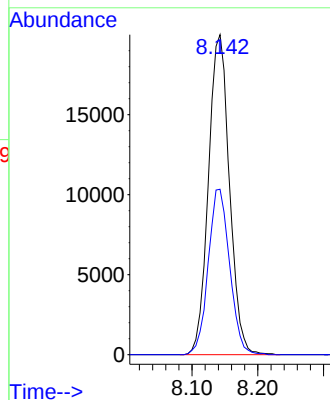
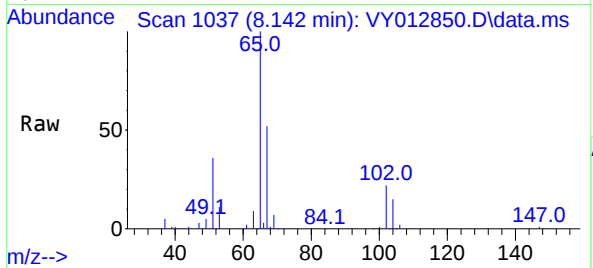




#33
1,2-Dichloroethane-d4
Concen: 63.448 ug/l
RT: 8.142 min Scan# 110
Delta R.T. -0.001 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

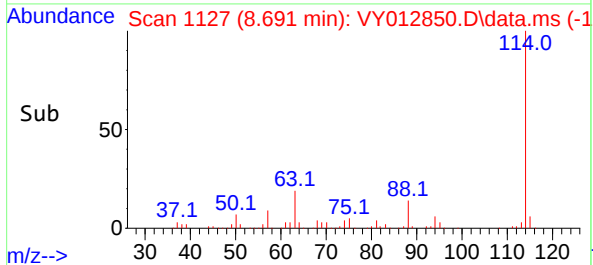
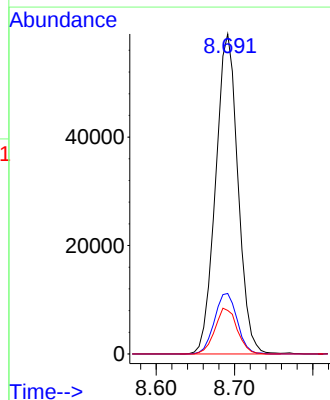
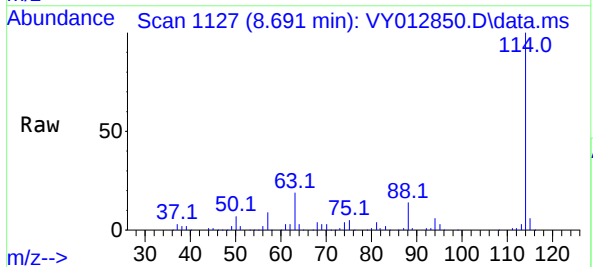
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

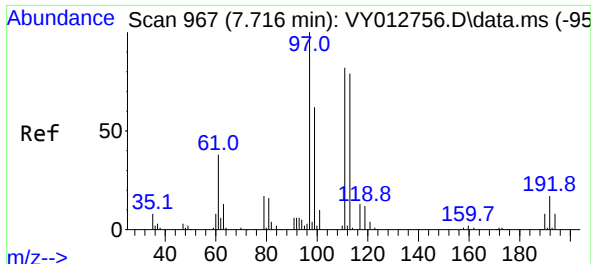
Tgt Ion: 65 Resp: 44458
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion: 114 Resp: 116906
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 13.6 0.0 28.6





#35

Dibromofluoromethane

Concen: 57.940 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-030623

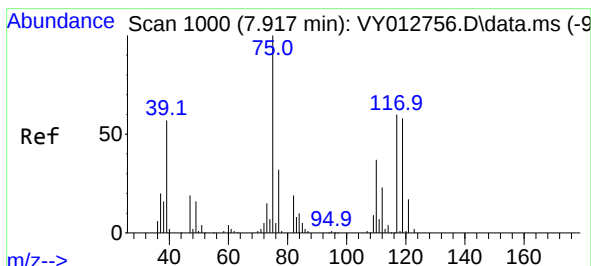
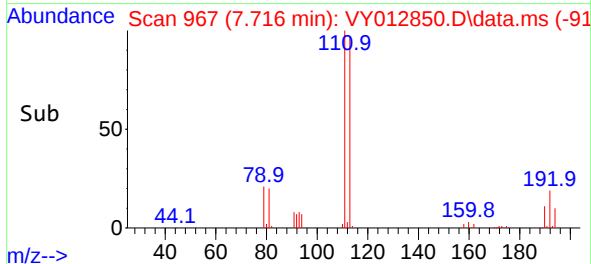
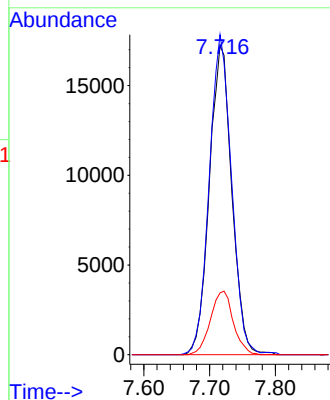
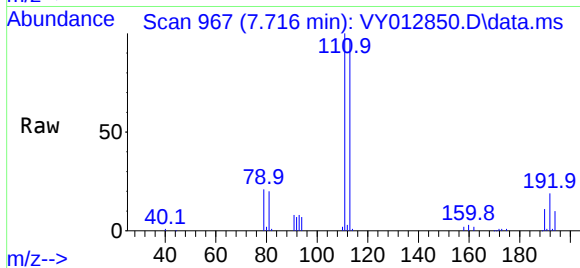
Tgt Ion:113 Resp: 40878

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 21.0 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.813 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

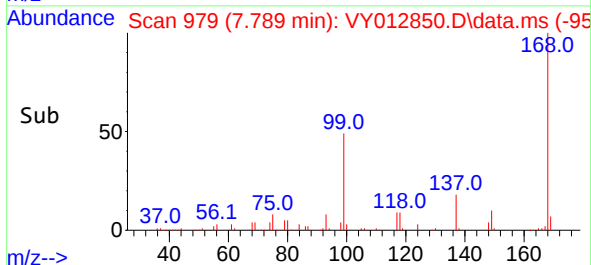
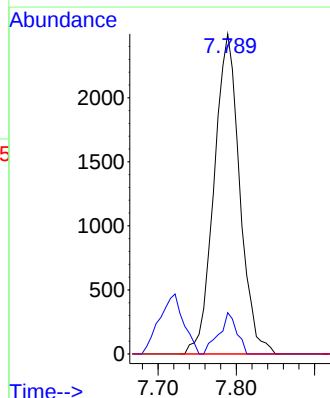
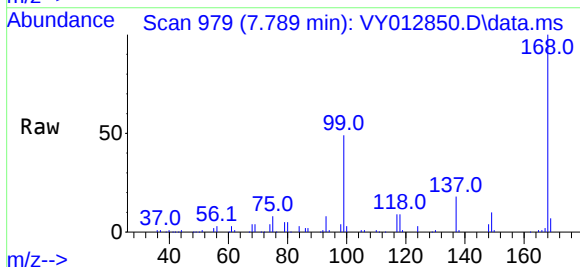
Tgt Ion: 75 Resp: 5690

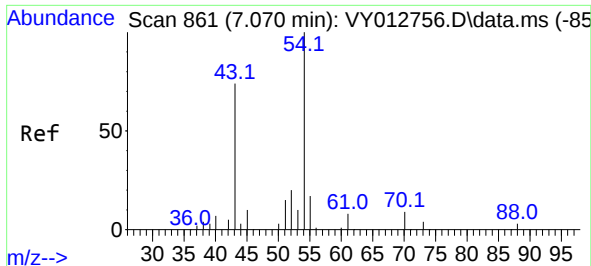
Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.139 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-030623

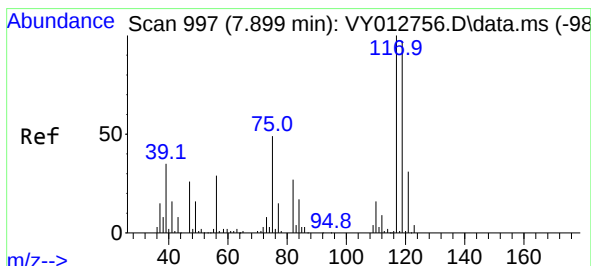
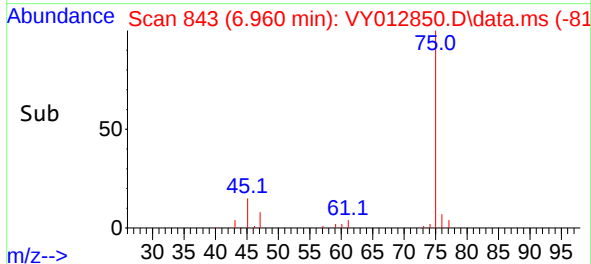
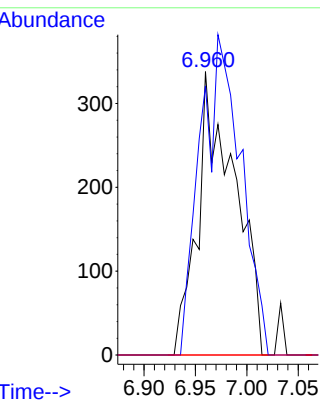
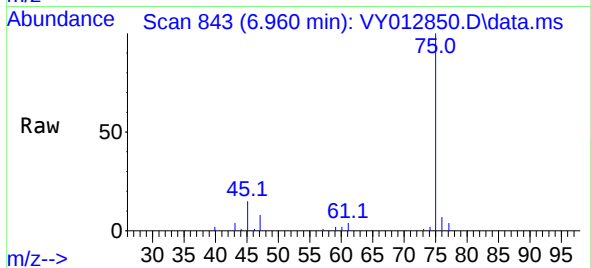
Tgt Ion: 43 Resp: 849

Ion Ratio Lower Upper

43 100

61 123.3 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY012850.D

Acq: 07 Mar 2023 17:18

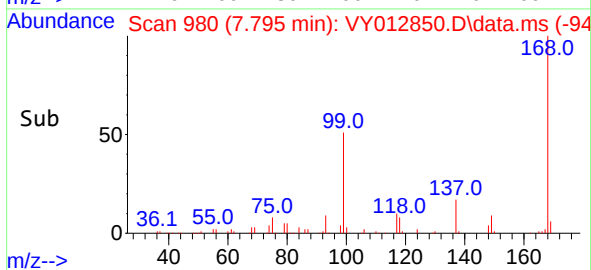
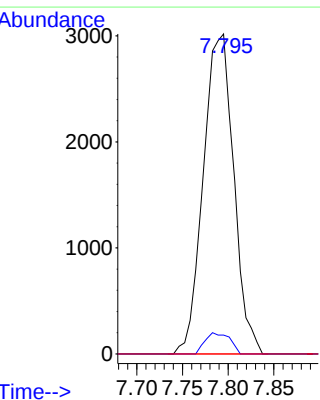
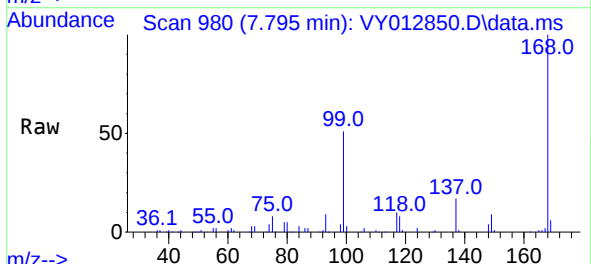
Tgt Ion: 117 Resp: 6992

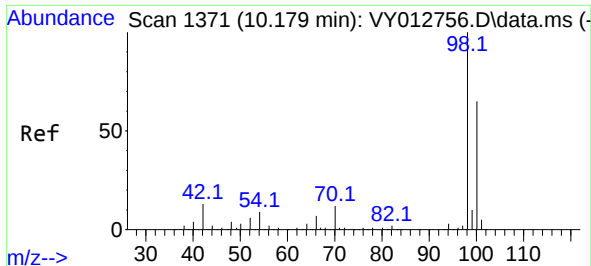
Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

121 0.0 24.7 37.1#

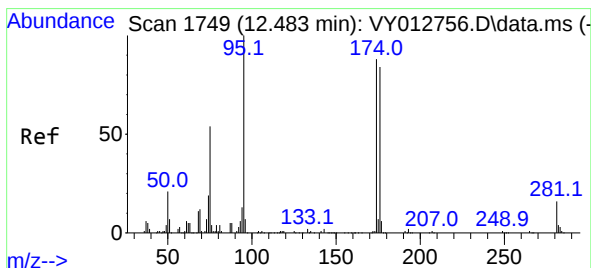
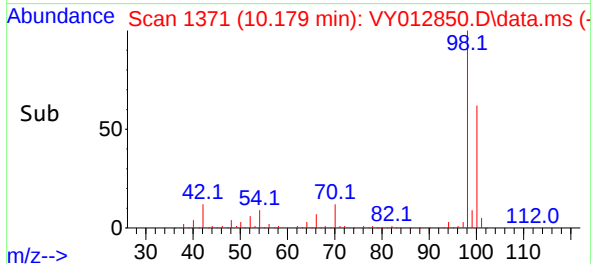
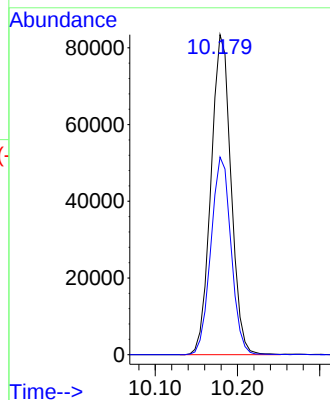
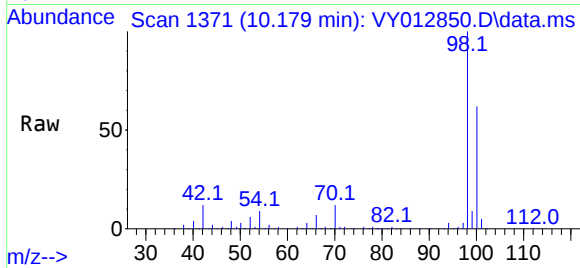




#50
Toluene-d8
Concen: 54.749 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

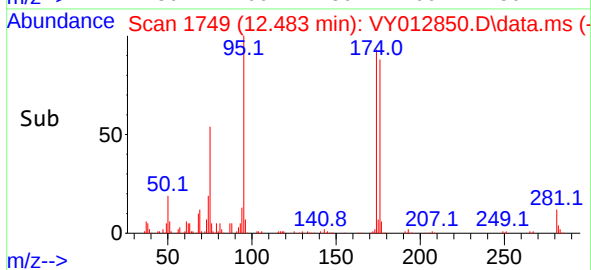
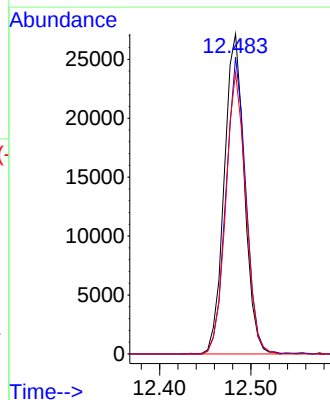
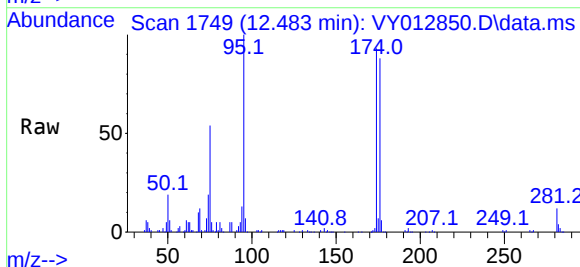
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

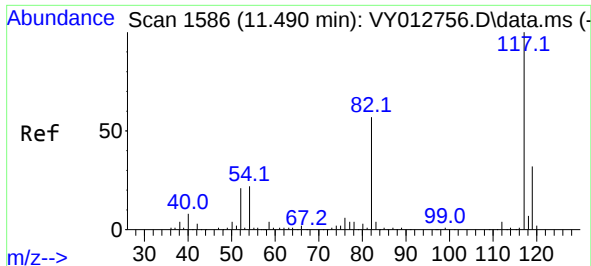
Tgt Ion: 98 Resp: 141211
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.733 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion: 95 Resp: 41555
Ion Ratio Lower Upper
95 100
174 91.5 0.0 176.6
176 87.7 0.0 170.2

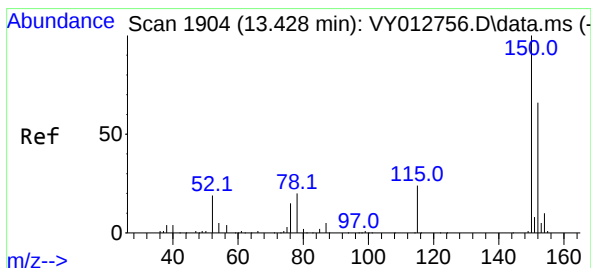
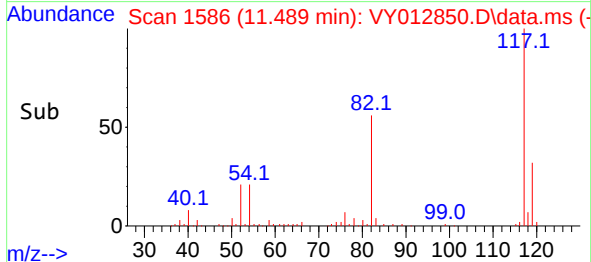
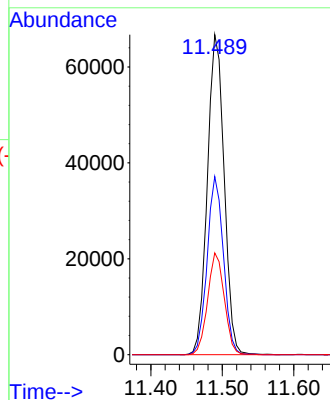
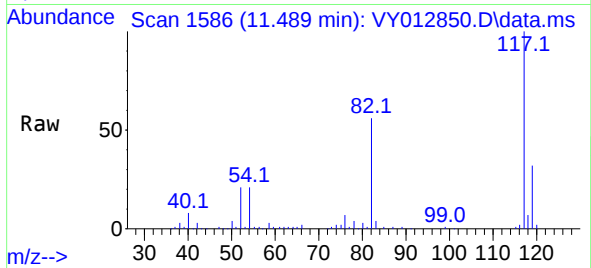




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

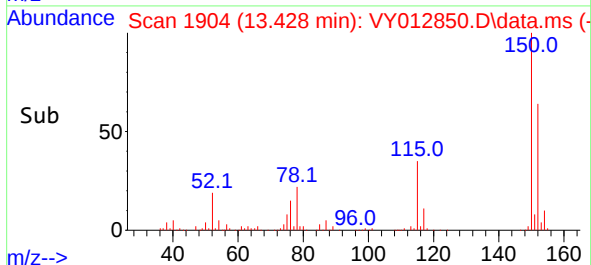
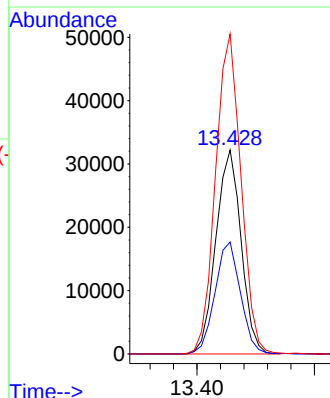
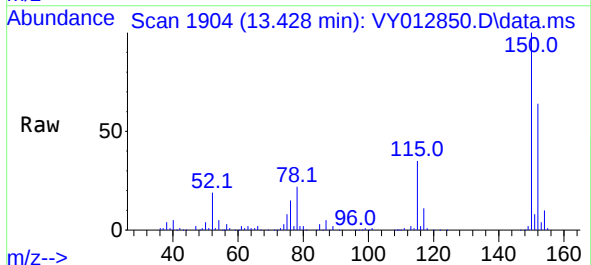
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

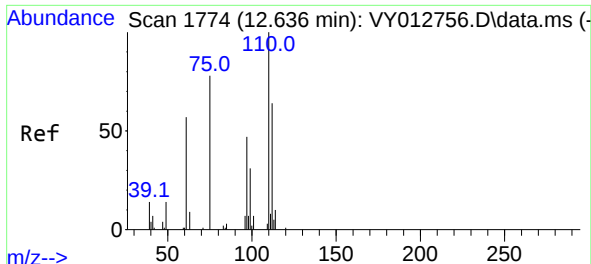
Tgt Ion:117 Resp: 108833
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion:152 Resp: 48066
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 158.4 0.0 347.8

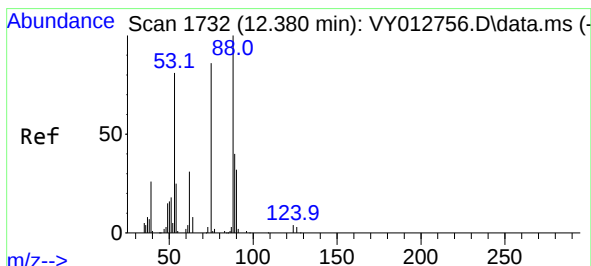
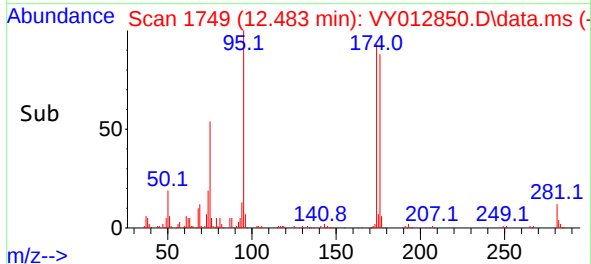
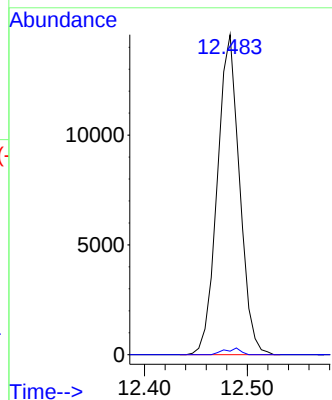
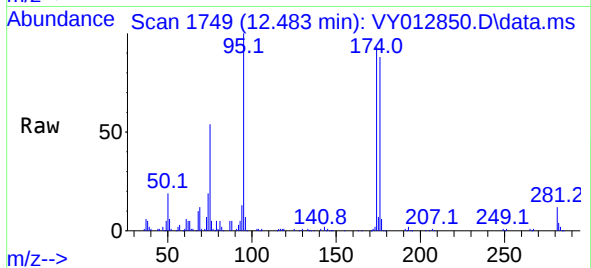




#76
1,2,3-Trichloropropane
Concen: 38.126 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-030623

Tgt Ion: 75 Resp: 21884
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.999 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012850.D
Acq: 07 Mar 2023 17:18

Tgt Ion: 75 Resp: 21884
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

