

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012147.D
 Acq On : 10 Jan 2023 17:23
 Operator : KP/MD
 Sample : 01106-04
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B

Quant Time: Jan 11 03:10:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	74992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	126861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	124550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55996	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50433	59.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.700%
35) Dibromofluoromethane	7.722	113	41679	49.985	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.179	98	153722	46.707	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.420%
62) 4-Bromofluorobenzene	12.483	95	46589	40.498	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.000%

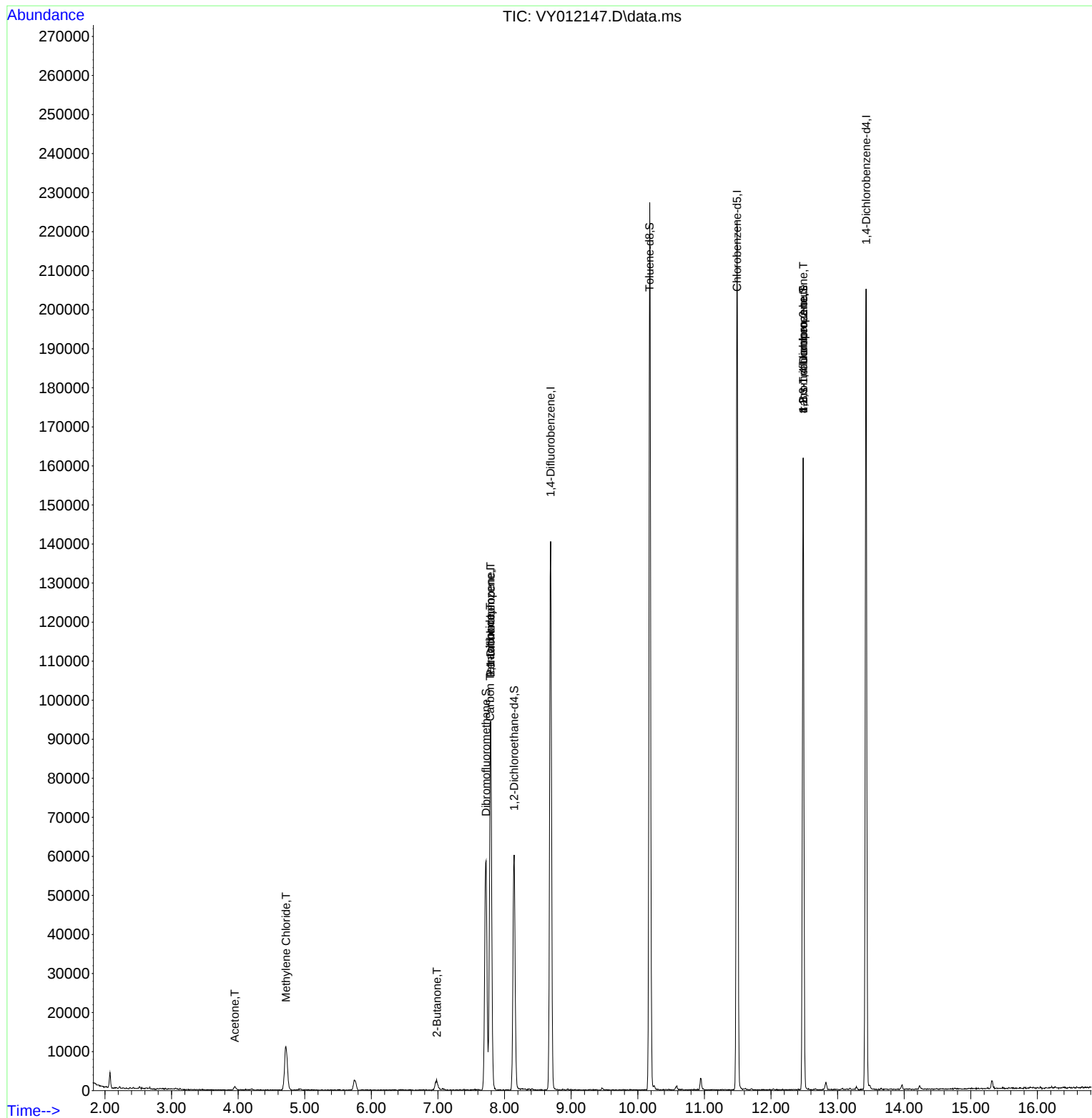
Target Compounds					Qvalue	
5) Bromomethane	2.668	94	60	Below Cal	#	68
11) Tert butyl alcohol	4.954	59	78	Below Cal	#	74
16) Acetone	3.948	43	1407	7.098	ug/l	96
20) Methylene Chloride	4.716	84	8982	5.445	ug/l	93
25) 2-Butanone	6.984	43	538	2.057	ug/l	# 46
31) Cyclohexane	7.795	56	1428	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	5228	4.133	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	7325	4.562	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	23939	37.442	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	23939	83.153	ug/l	# 13

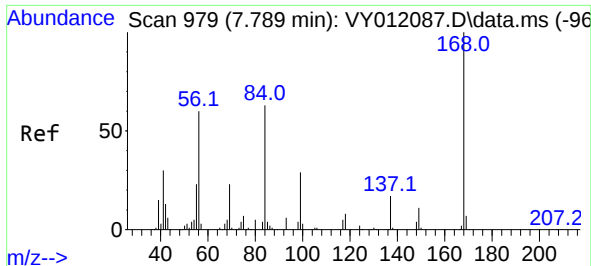
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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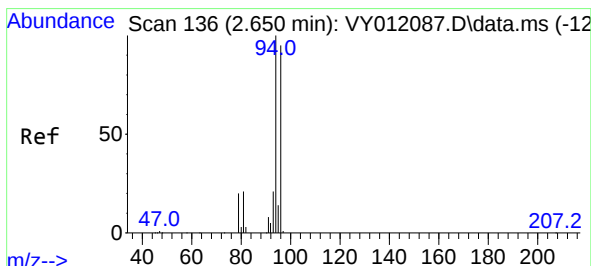
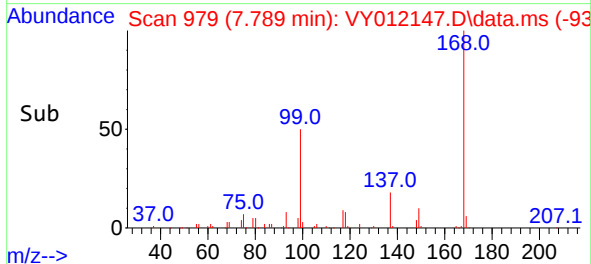
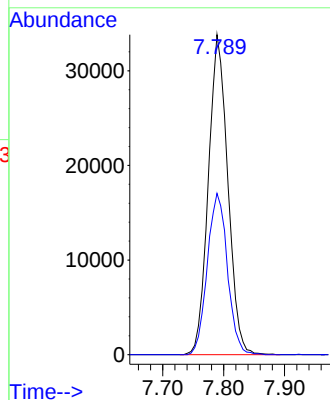
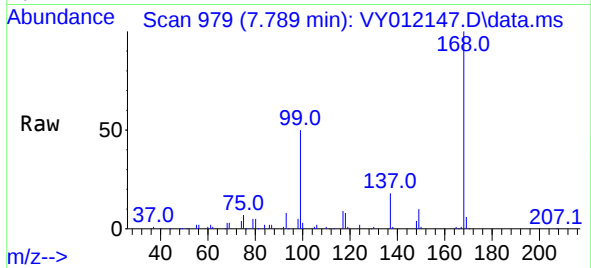




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

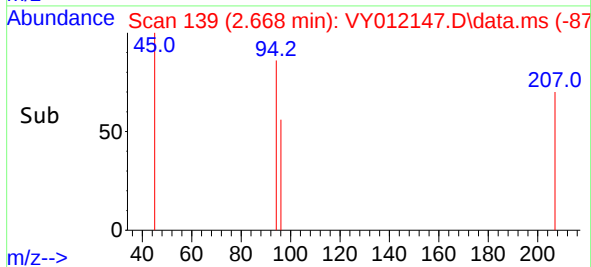
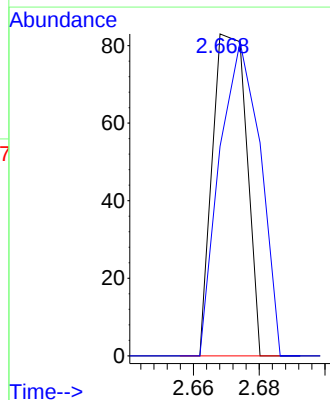
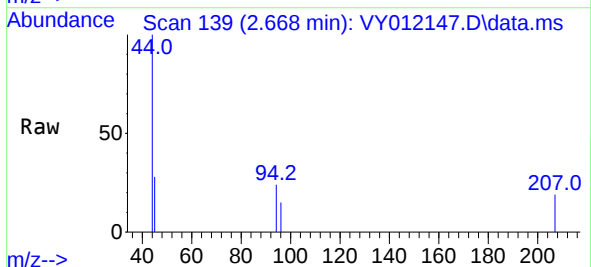
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

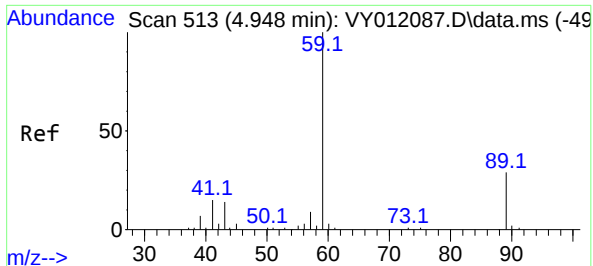
Tgt Ion:168 Resp: 74992
Ion Ratio Lower Upper
168 100
99 50.4 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 65.1 77.4 116.2#

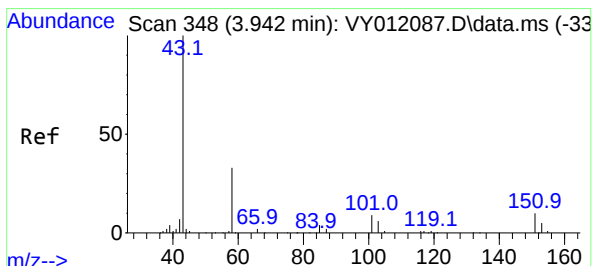
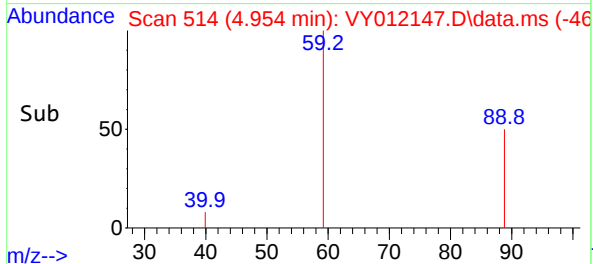
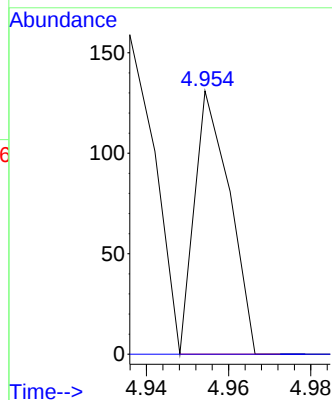
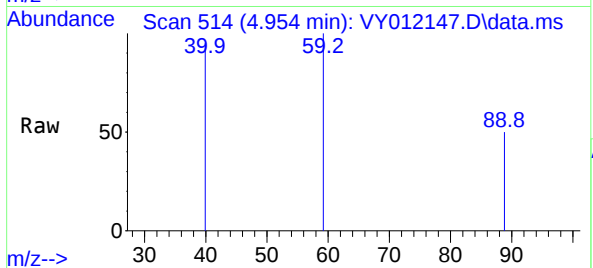




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

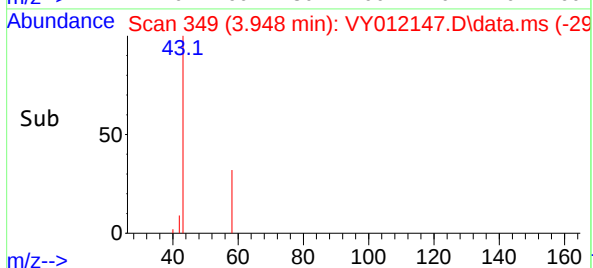
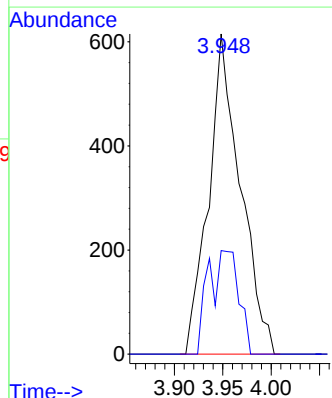
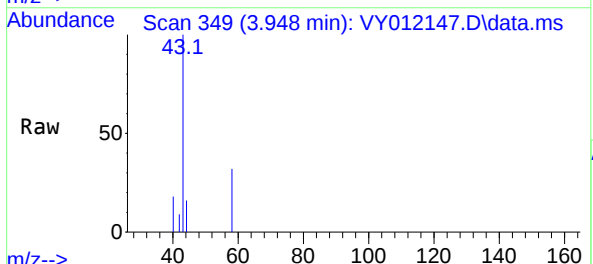
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

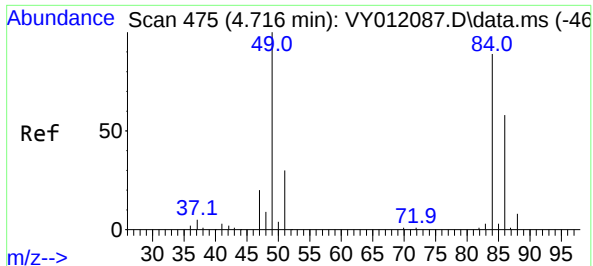
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 7.098 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
58 32.4 27.9 41.9



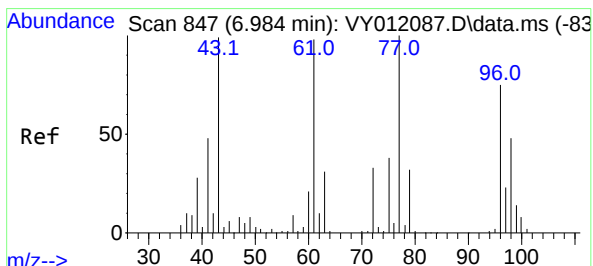
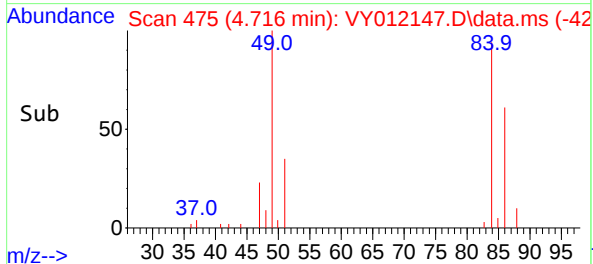
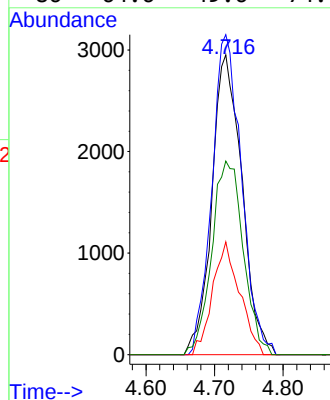
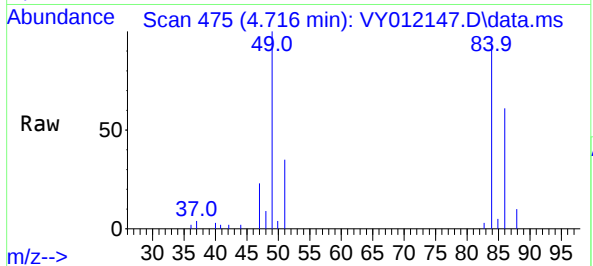


#20
Methylene Chloride
Concen: 5.445 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-B

Tgt Ion: 84 Resp: 8982

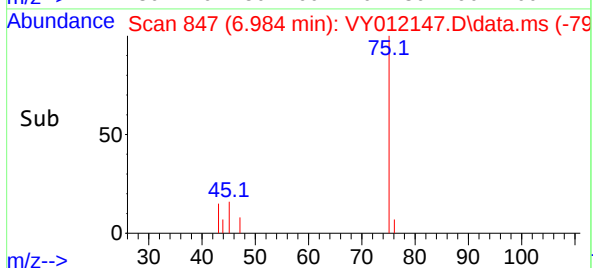
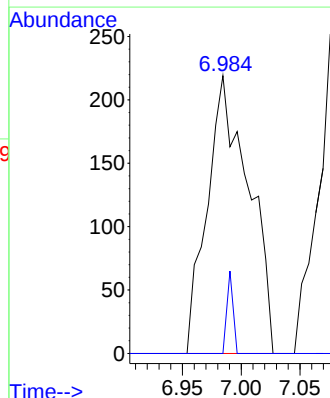
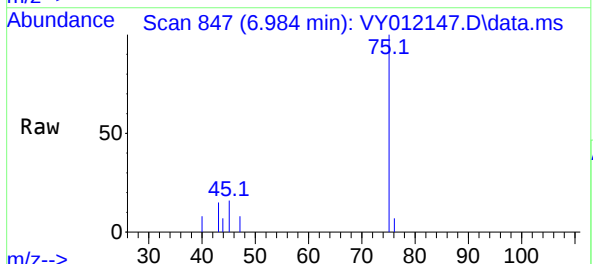
Ion	Ratio	Lower	Upper
84	100		
49	106.7	95.4	143.2
51	37.6	29.9	44.9
86	64.6	49.6	74.4

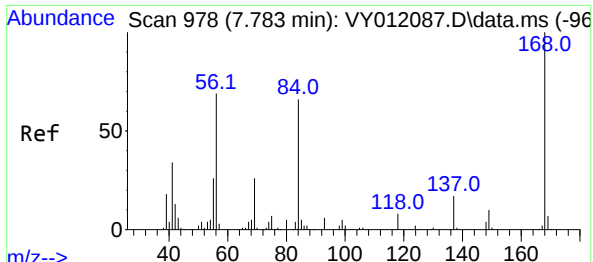


#25
2-Butanone
Concen: 2.057 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 43 Resp: 538

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

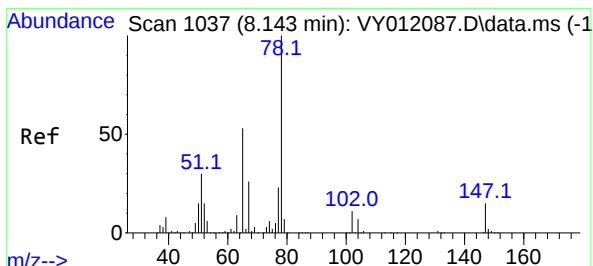
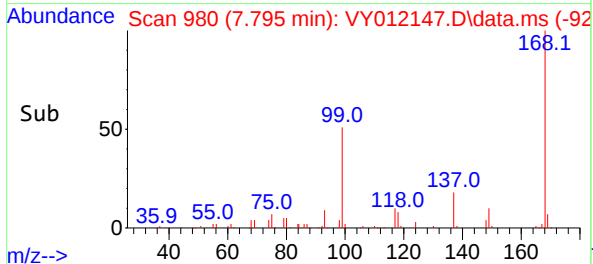
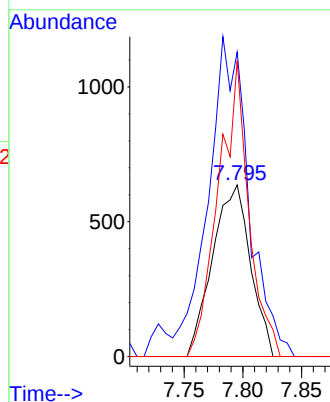
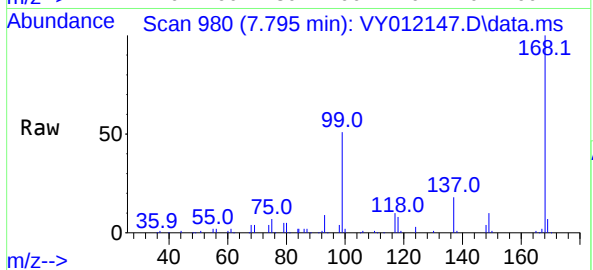




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

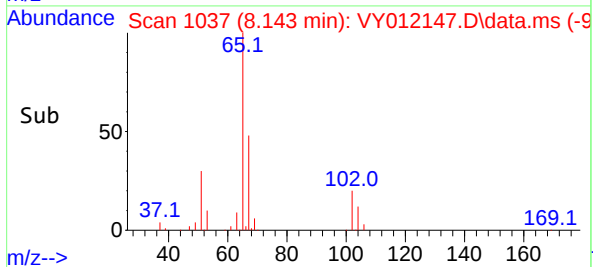
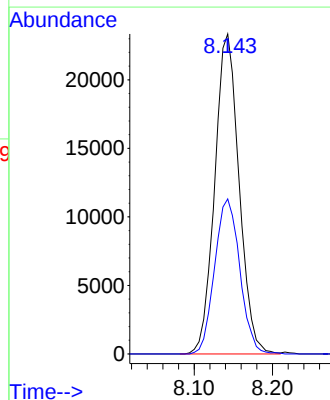
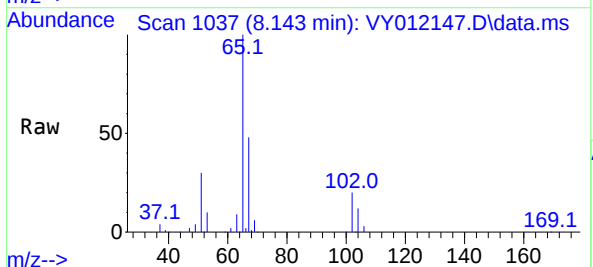
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

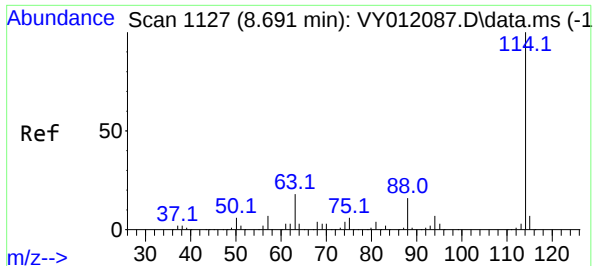
Tgt Ion: 56 Resp: 1428
Ion Ratio Lower Upper
56 100
69 167.8 29.2 43.8#
84 172.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.850 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 65 Resp: 50433
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.2

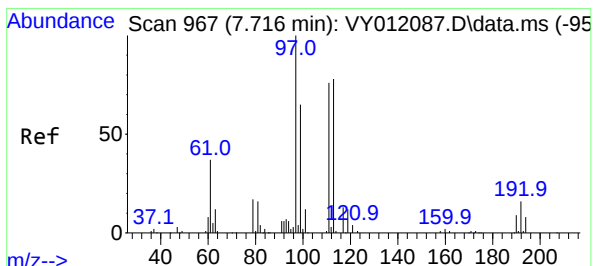
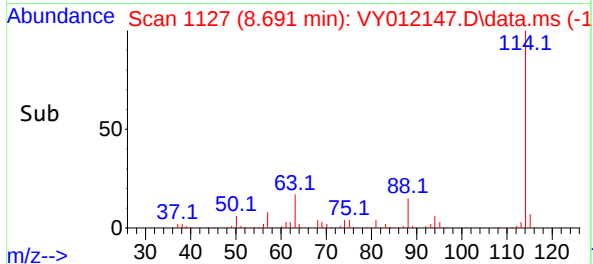
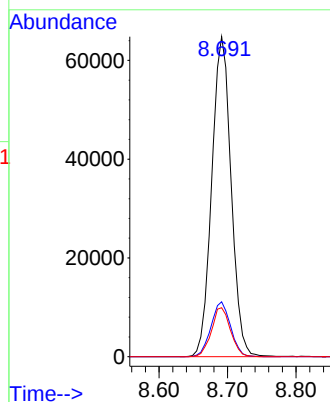
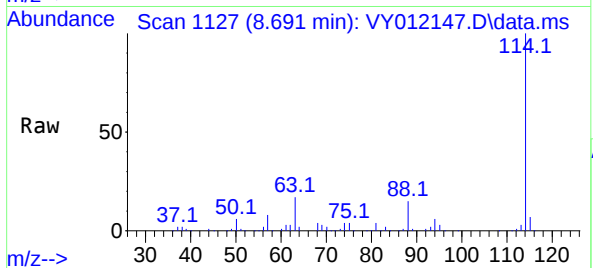




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

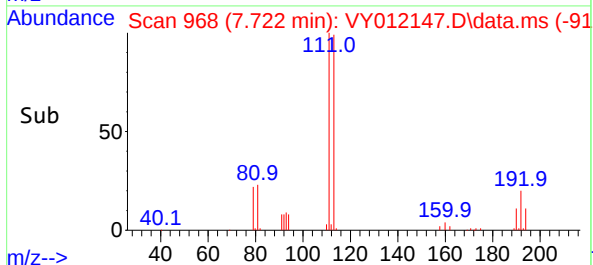
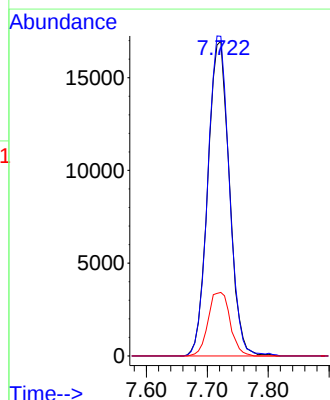
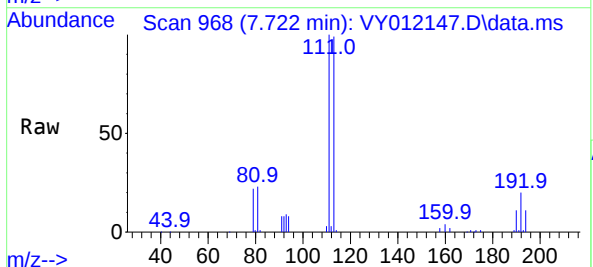
Instrument :
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ClientSampleId :
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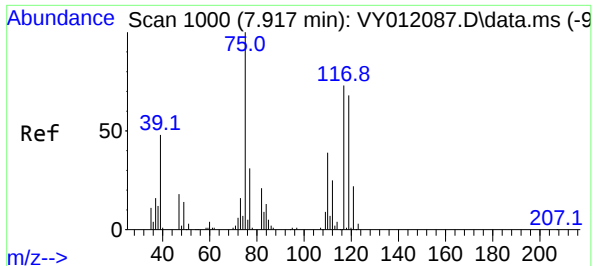
Tgt Ion:114 Resp: 126861
Ion Ratio Lower Upper
114 100
63 17.2 0.0 39.6
88 15.3 0.0 32.2



#35
Dibromofluoromethane
Concen: 49.985 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion:113 Resp: 41679
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.4
192 20.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.133 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012147.D

Acq: 10 Jan 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

TP-B

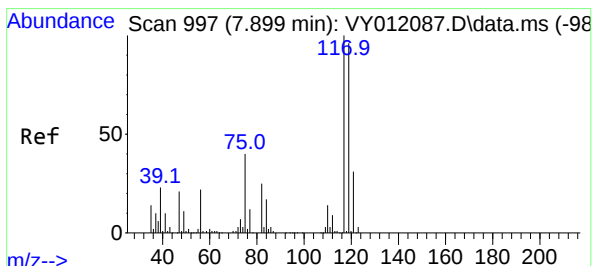
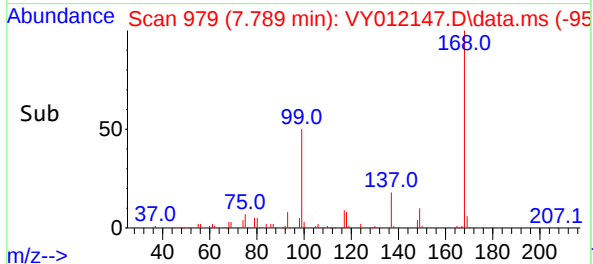
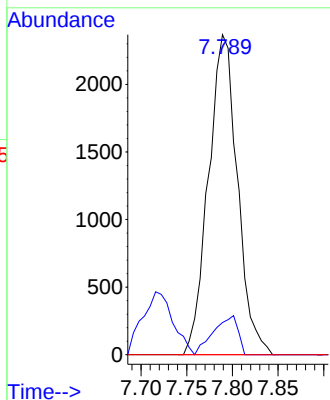
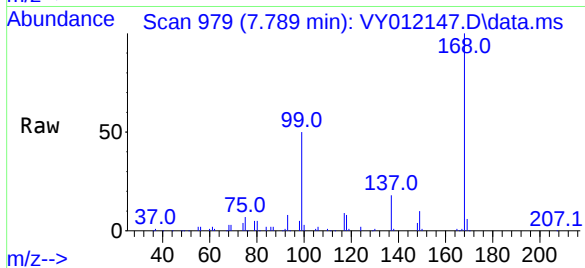
Tgt Ion: 75 Resp: 5228

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.562 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012147.D

Acq: 10 Jan 2023 17:23

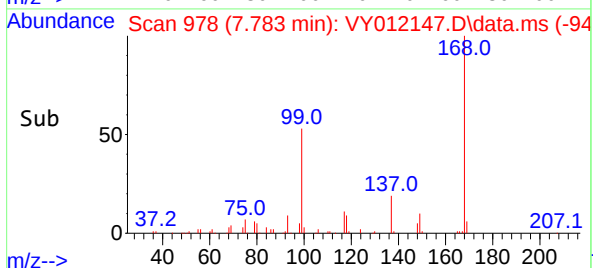
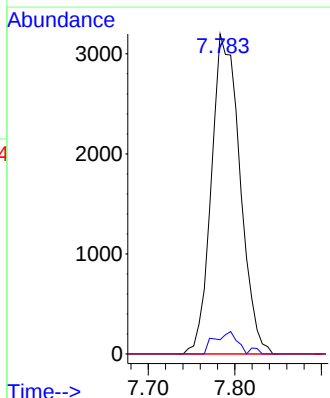
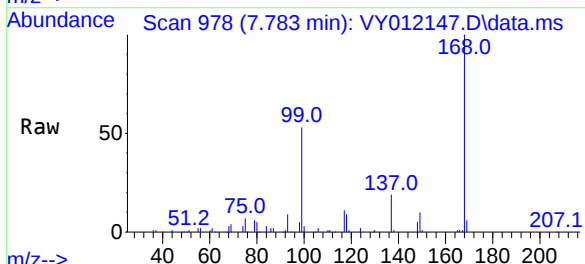
Tgt Ion: 117 Resp: 7325

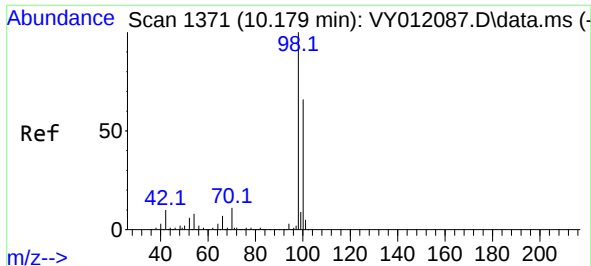
Ion Ratio Lower Upper

117 100

119 4.4 73.8 110.8#

121 0.0 25.2 37.8#

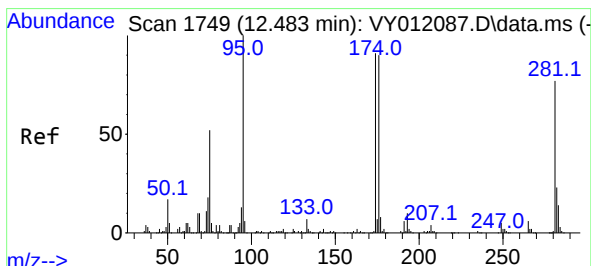
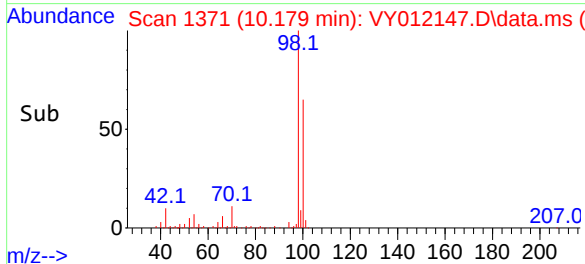
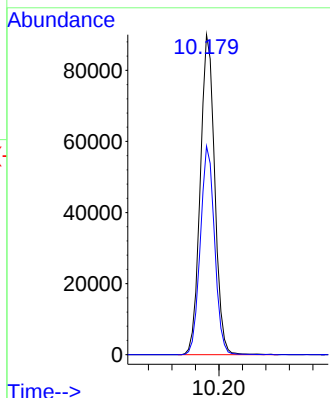
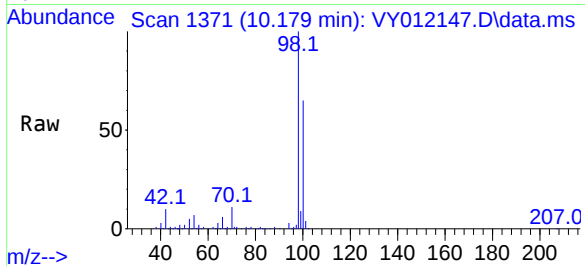




#50
Toluene-d8
Concen: 46.707 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

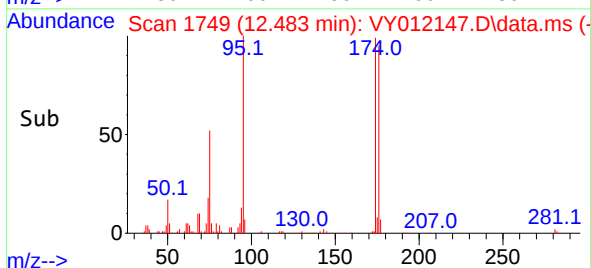
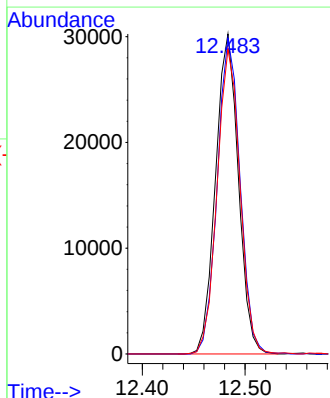
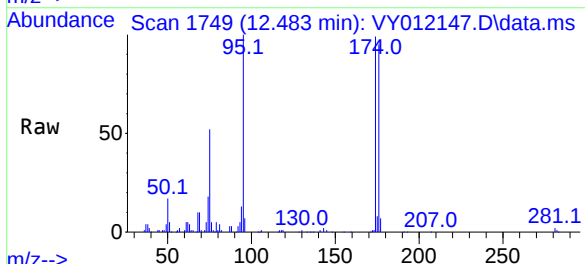
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

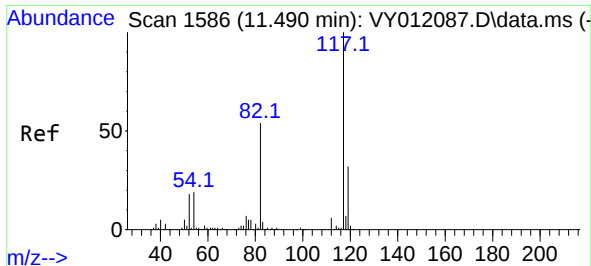
Tgt Ion: 98 Resp: 153722
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 40.498 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 95 Resp: 46589
Ion Ratio Lower Upper
95 100
174 98.5 0.0 172.0
176 95.6 0.0 167.6

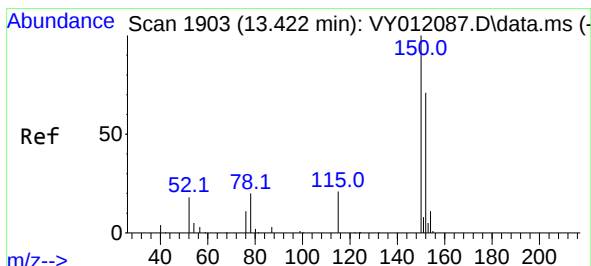
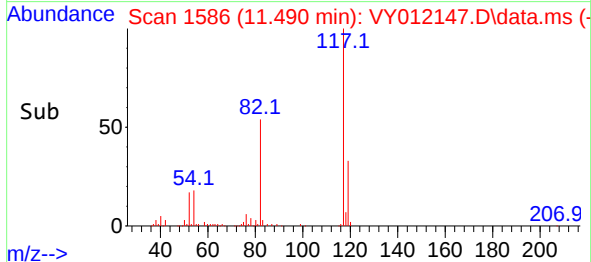
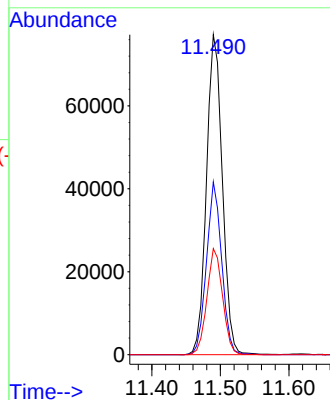
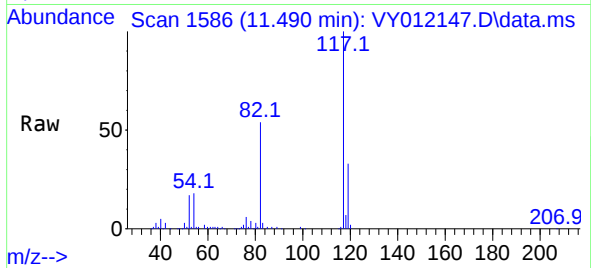




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

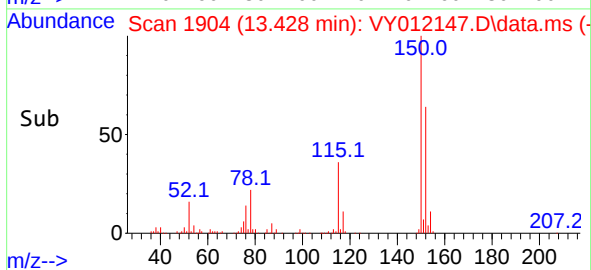
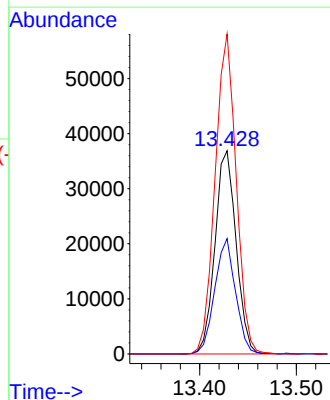
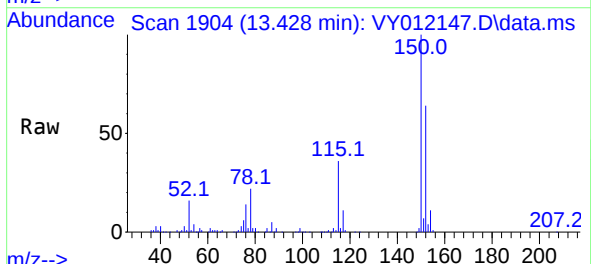
Instrument :
MSVOA_Y
ClientSampleId :
TP-B

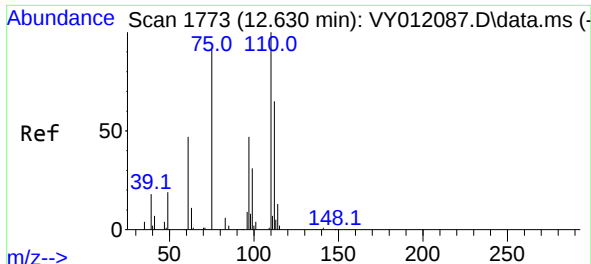
Tgt Ion:117 Resp: 124550
Ion Ratio Lower Upper
117 100
82 54.0 44.8 67.2
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion:152 Resp: 55996
Ion Ratio Lower Upper
152 100
115 56.0 29.1 87.3
150 157.1 0.0 342.6

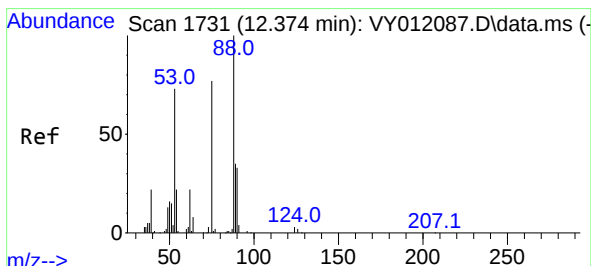
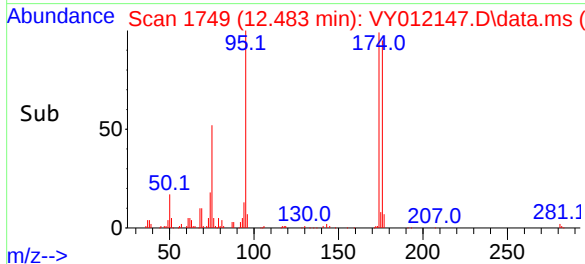
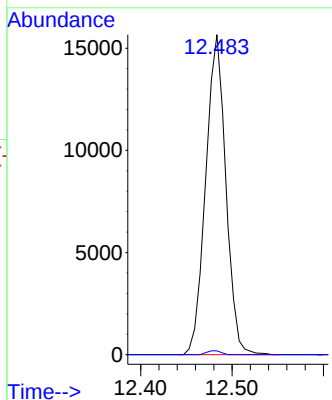
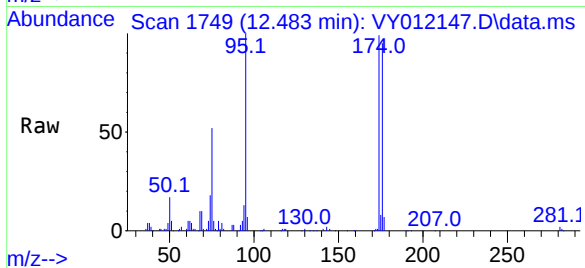




#76
1,2,3-Trichloropropane
Concen: 37.442 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Instrument :
MSVOA_Y
ClientSampleId :
TP-B

Tgt Ion: 75 Resp: 23939
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.153 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012147.D
Acq: 10 Jan 2023 17:23

Tgt Ion: 75 Resp: 23939
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.1 37.0 55.4#

