

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007527.D
 Acq On : 17 Feb 2022 17:01
 Operator : SY/MD
 Sample : N1580-02
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-2

Quant Time: Feb 18 07:41:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

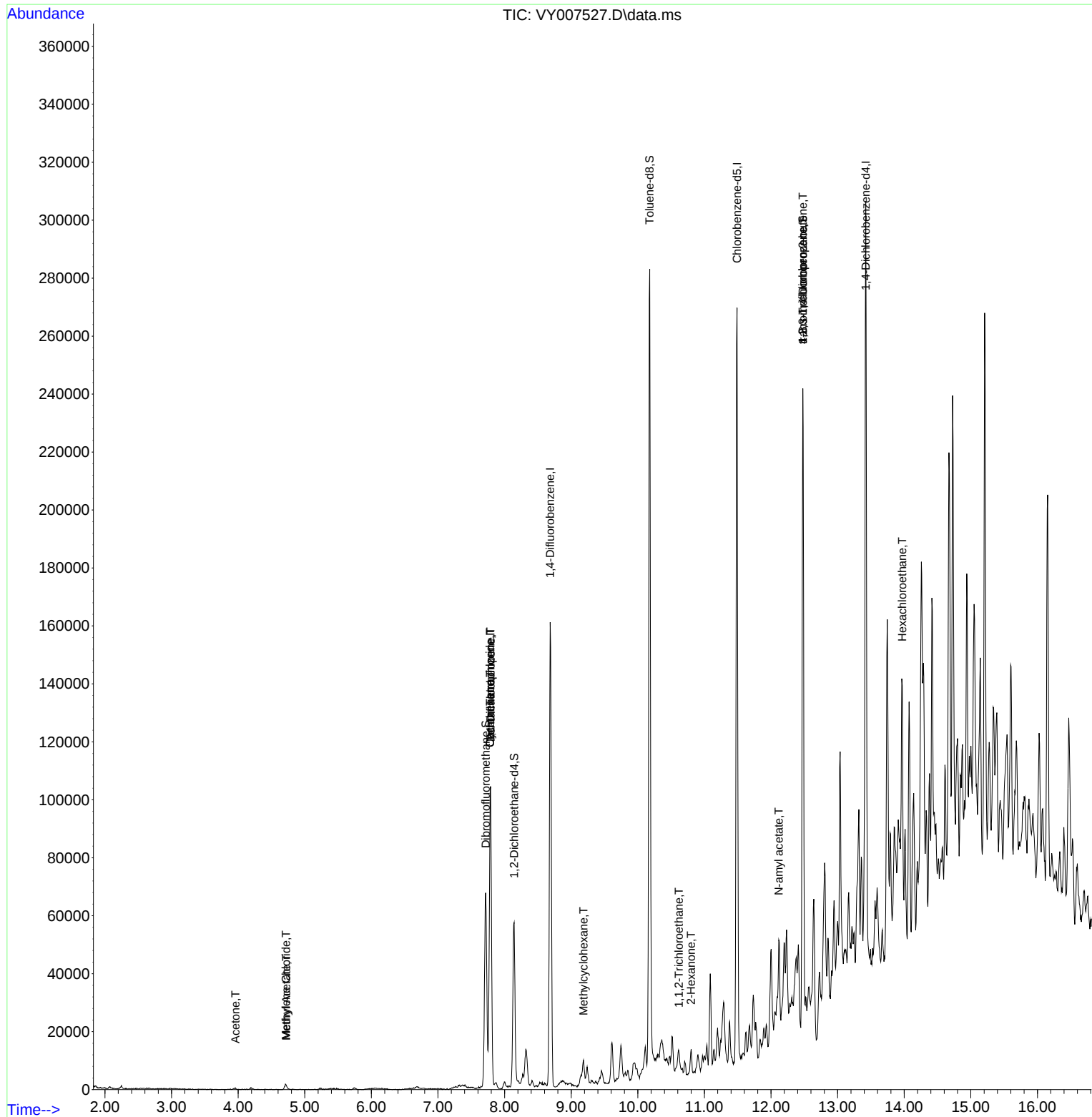
Internal Standards						
1) Pentafluorobenzene	7.789	168	78354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	140162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	144199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	66844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44701	51.673	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.340%			
35) Dibromofluoromethane	7.716	113	46447	52.548	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.100%			
50) Toluene-d8	10.179	98	175556	52.293	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.477	95	65322	57.384	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	283	Below Cal	#	44
5) Bromomethane	2.662	94	76	Below Cal	#	65
16) Acetone	3.960	43	970	4.226	ug/l	98
18) Methyl Acetate	4.722	43	49	1.471	ug/l #	56
20) Methylene Chloride	4.716	84	1346	1.431	ug/l #	69
31) Cyclohexane	7.783	56	1850	1.209	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	5690	3.973	ug/l #	52
38) Carbon Tetrachloride	7.783	117	8729	5.364	ug/l #	14
39) Methylcyclohexane	9.185	83	3152	1.695	ug/l #	71
55) 1,1,2-Trichloroethane	10.618	97	3201	4.151	ug/l #	18
59) 2-Hexanone	10.801	43	3192	6.774	ug/l #	34
74) N-amyl acetate	12.118	43	5685	4.240	ug/l #	66
76) 1,2,3-Trichloropropane	12.477	75	34376	44.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34376	92.508	ug/l #	8
90) Hexachloroethane	13.971	117	2717	2.732	ug/l #	6

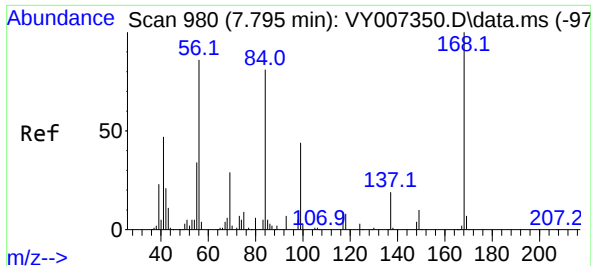
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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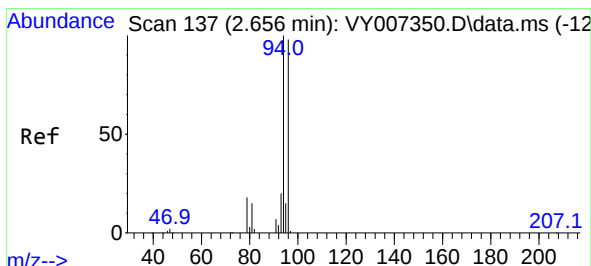
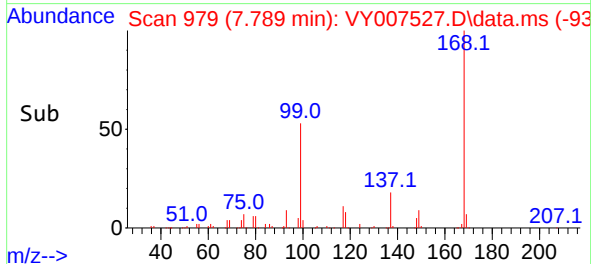
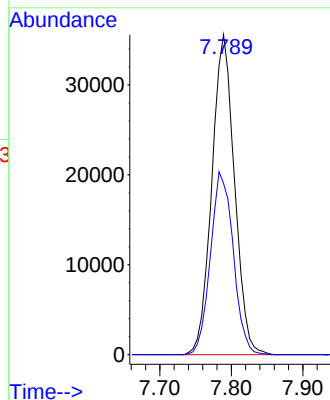
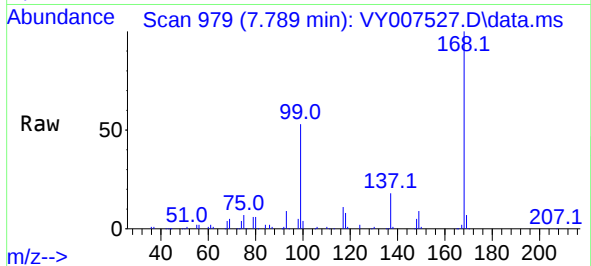




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

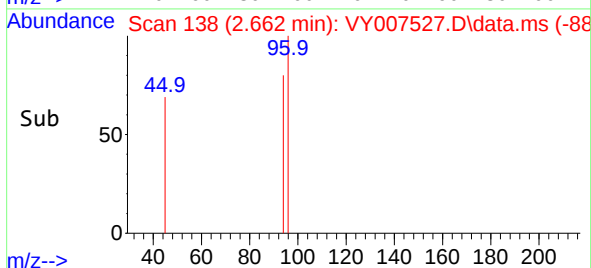
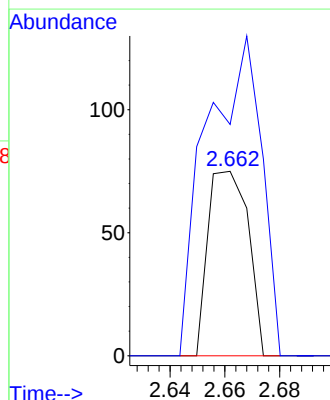
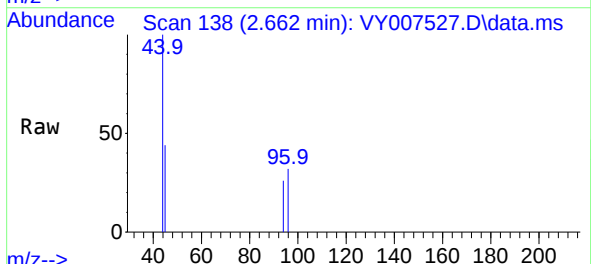
Instrument :
MSVOA_Y
ClientSampleId :
D-2

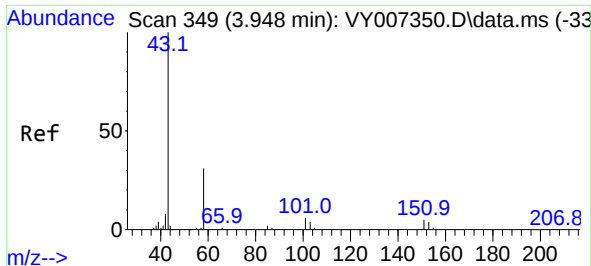
Tgt Ion:168 Resp: 78354
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 125.3 73.5 110.3#

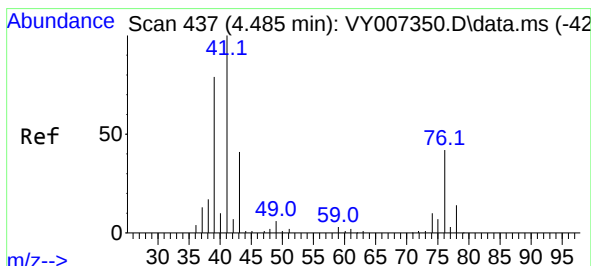
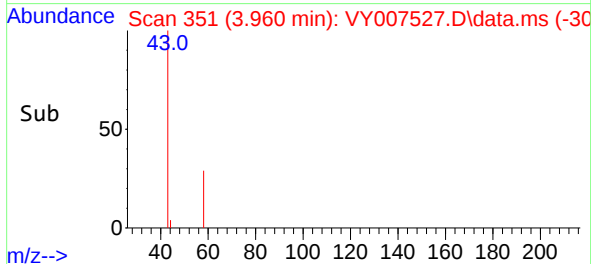
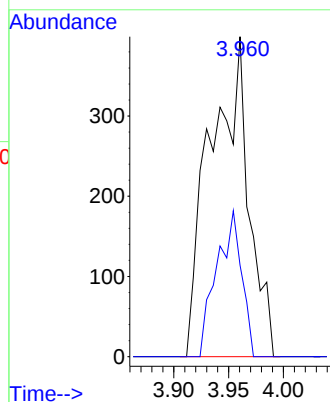
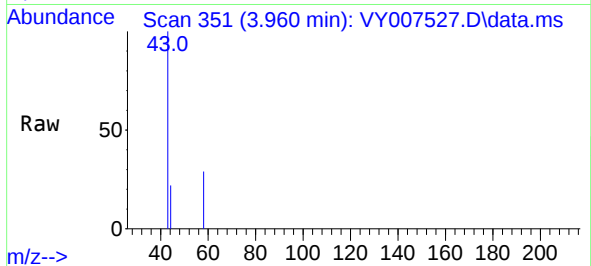




#16
Acetone
Concen: 4.226 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

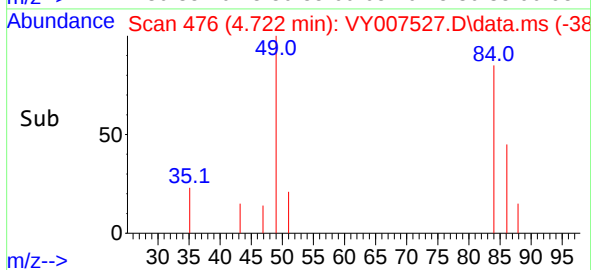
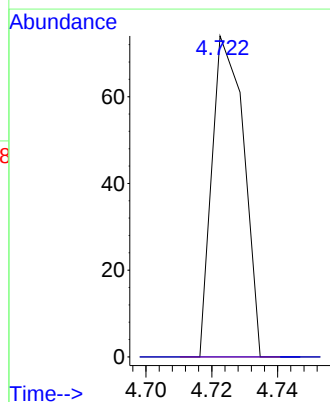
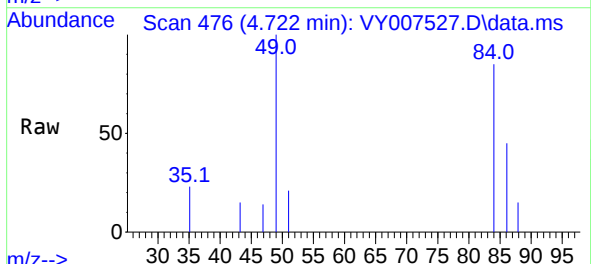
Instrument :
MSVOA_Y
ClientSampleId :
D-2

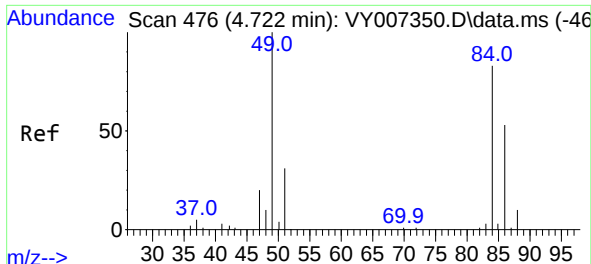
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0



#18
Methyl Acetate
Concen: 1.471 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.237 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



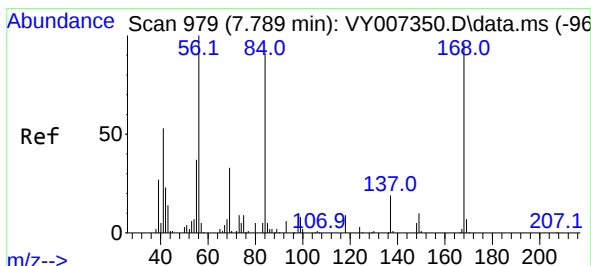
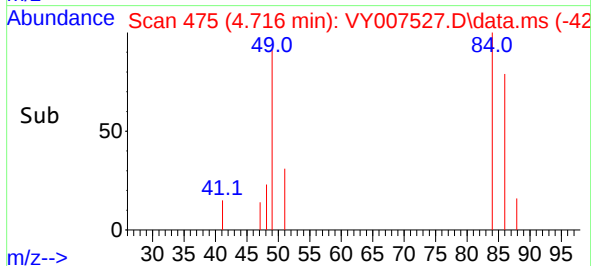
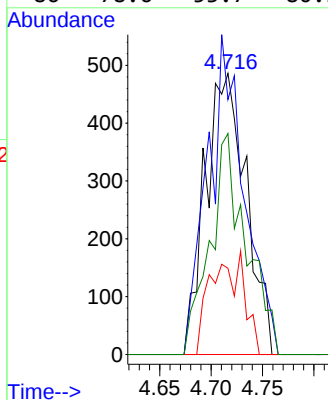
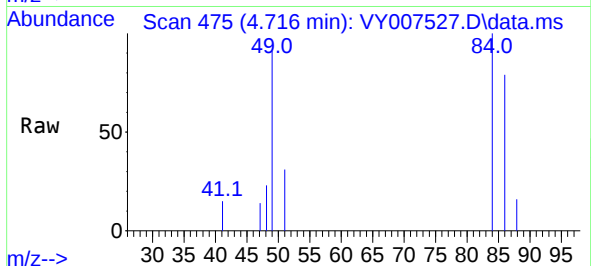


#20
Methylene Chloride
Concen: 1.431 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :
D-2

Tgt Ion: 84 Resp: 1346

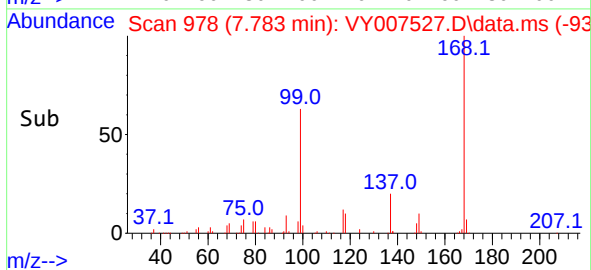
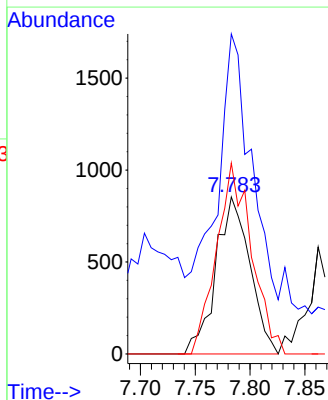
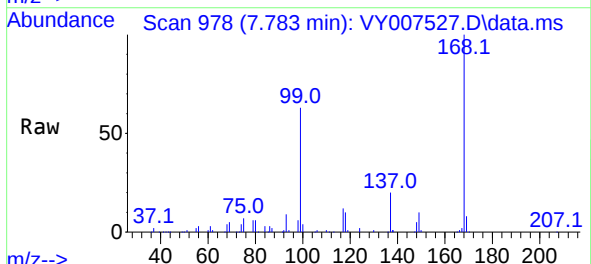
Ion	Ratio	Lower	Upper
84	100		
49	90.7	114.4	171.6#
51	30.7	35.3	52.9#
86	78.6	53.7	80.5

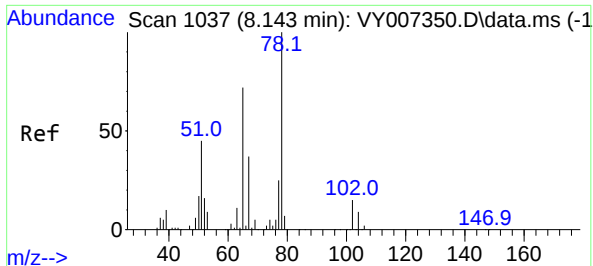


#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 56 Resp: 1850

Ion	Ratio	Lower	Upper
56	100		
69	169.2	26.7	40.1#
84	121.5	67.2	100.8#

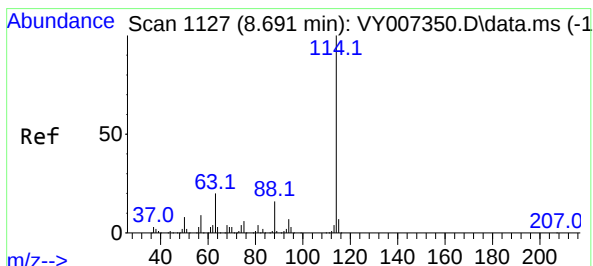
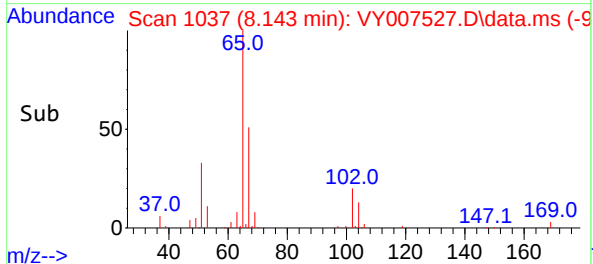
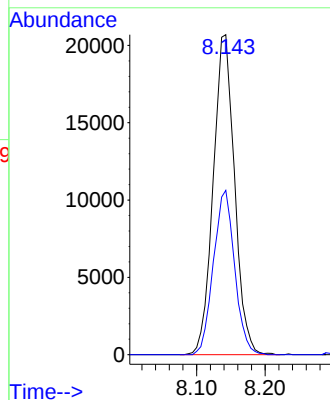
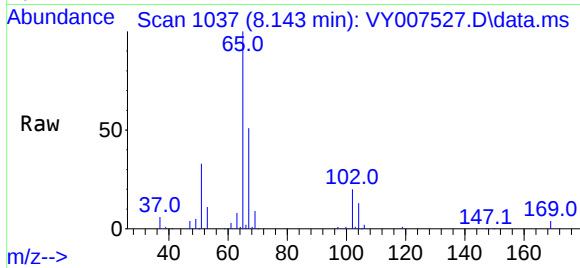




#33
1,2-Dichloroethane-d4
Concen: 51.673 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

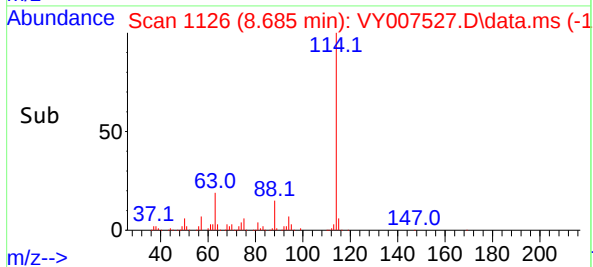
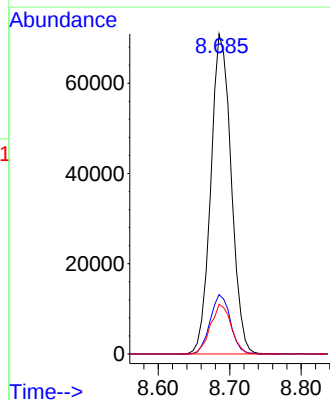
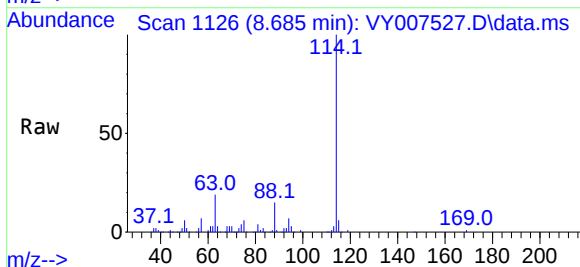
Instrument :
MSVOA_Y
ClientSampleId :
D-2

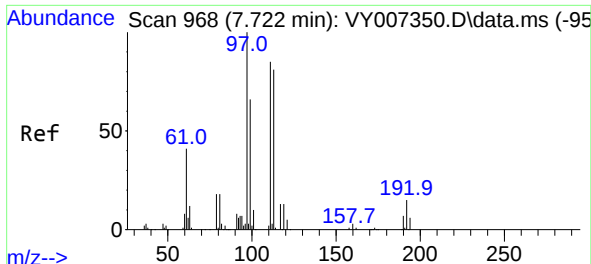
Tgt Ion: 65 Resp: 44701
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion:114 Resp: 140162
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.2
88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.548 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY007527.D

Acq: 17 Feb 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :

D-2

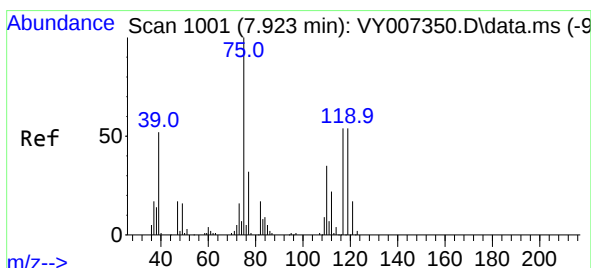
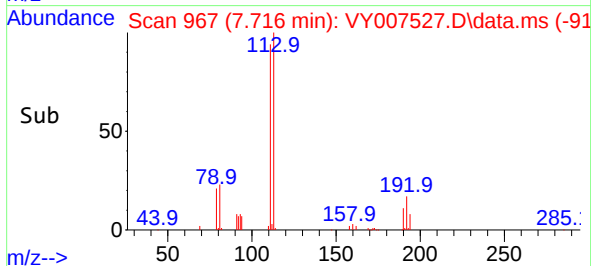
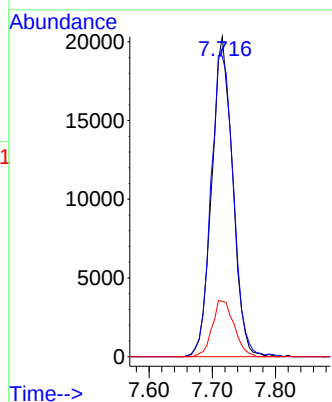
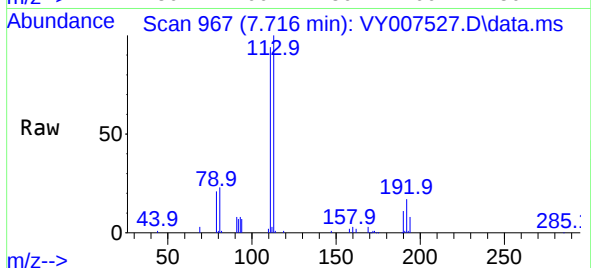
Tgt Ion:113 Resp: 46447

Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 18.4 17.6 26.4



#36

1,1-Dichloropropene

Concen: 3.973 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY007527.D

Acq: 17 Feb 2022 17:01

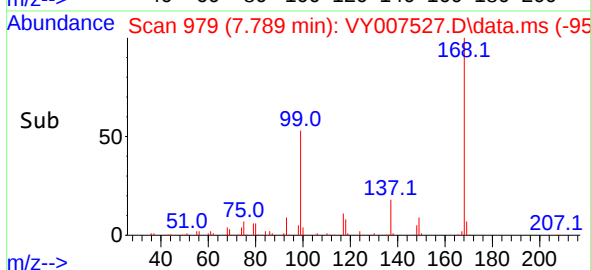
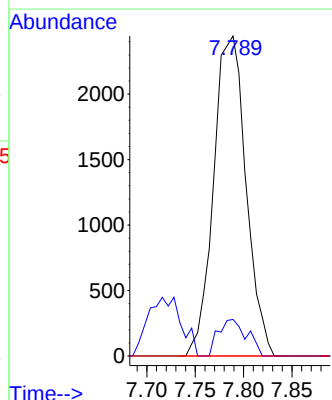
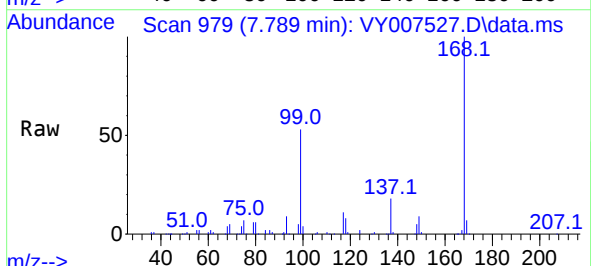
Tgt Ion: 75 Resp: 5690

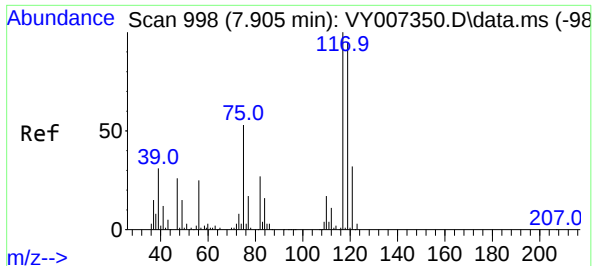
Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#

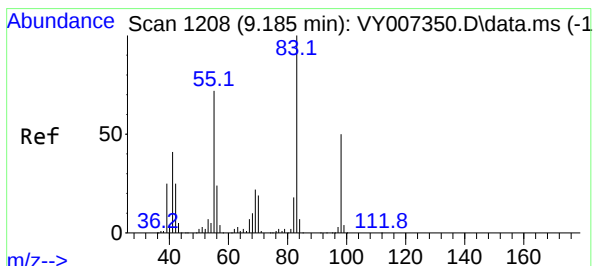
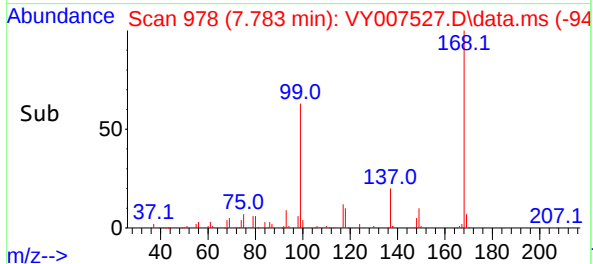
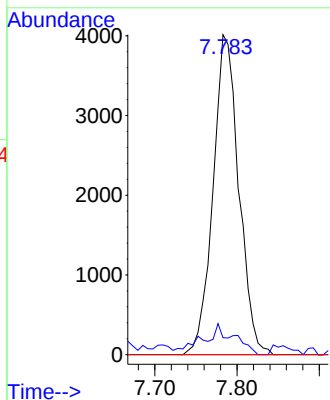
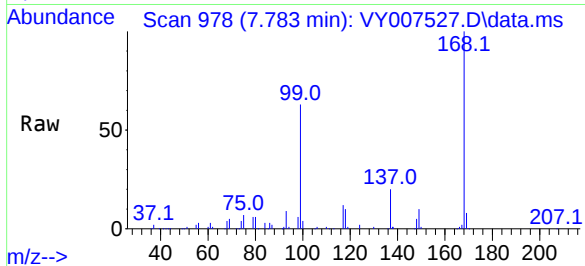




#38
Carbon Tetrachloride
Concen: 5.364 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

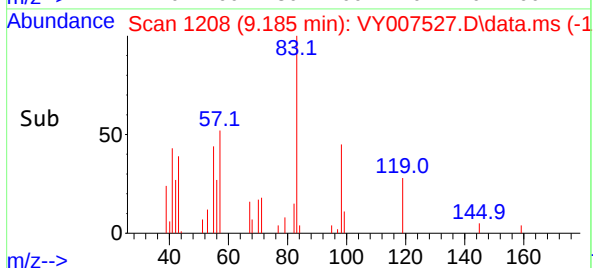
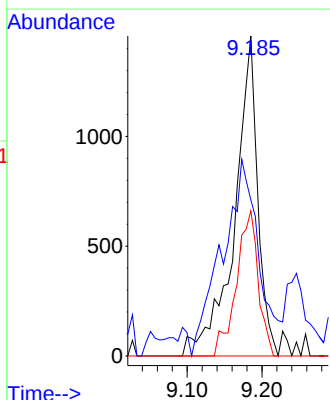
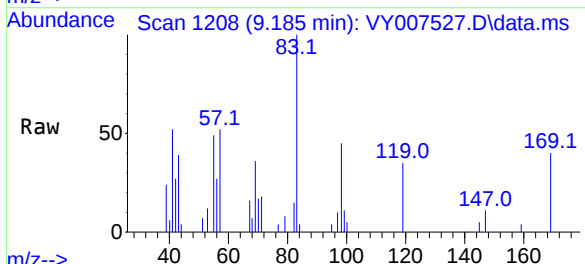
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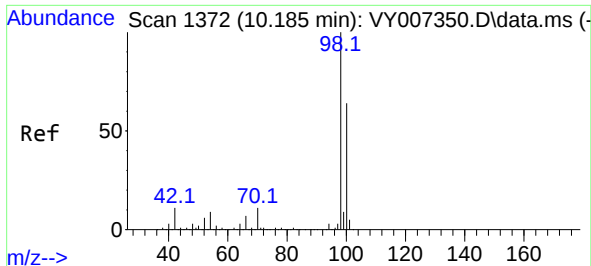
Tgt Ion:117 Resp: 8729
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.695 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 83 Resp: 3152
Ion Ratio Lower Upper
83 100
55 44.2 66.5 99.7#
98 45.3 37.9 56.9

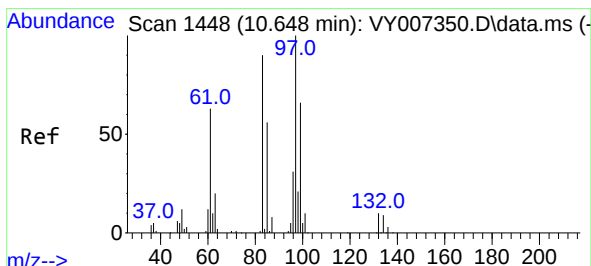
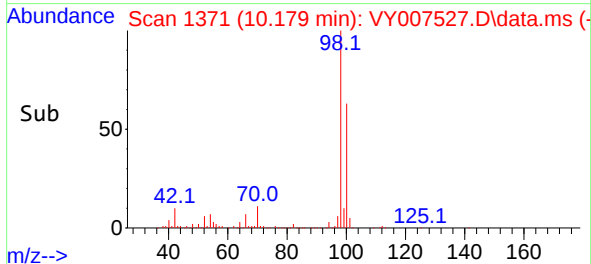
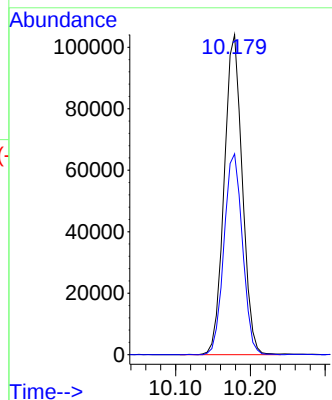
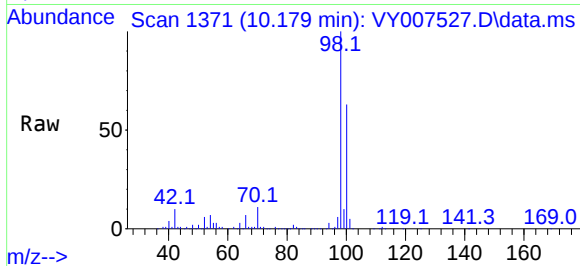




#50
Toluene-d8
Concen: 52.293 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

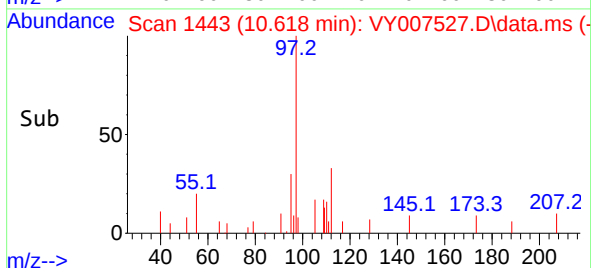
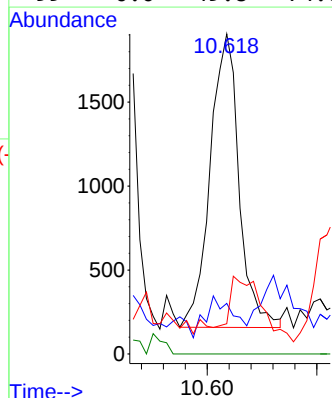
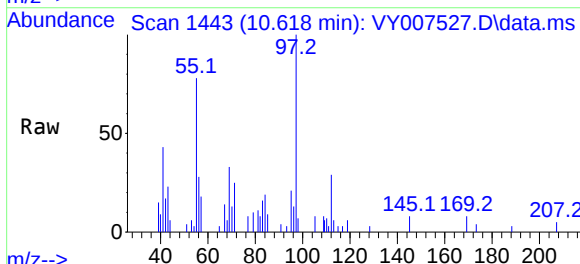
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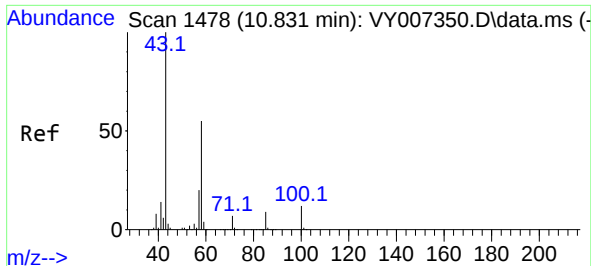
Tgt Ion: 98 Resp: 175556
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#55
1,1,2-Trichloroethane
Concen: 4.151 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 97 Resp: 3201
Ion Ratio Lower Upper
97 100
83 4.6 69.8 104.8#
85 1.9 44.3 66.5#
99 0.0 49.8 74.6#

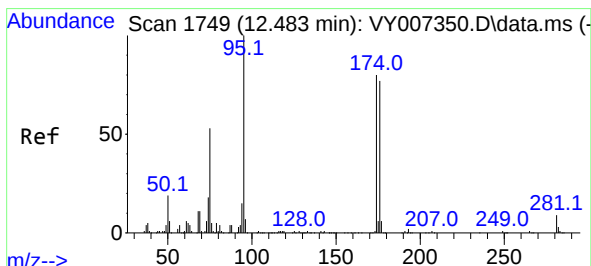
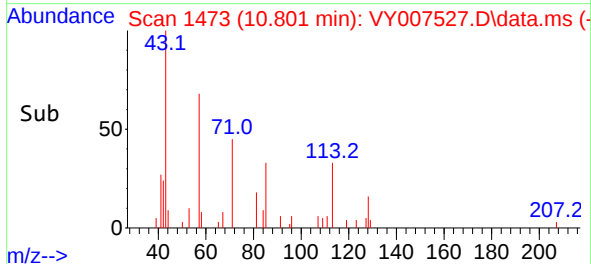
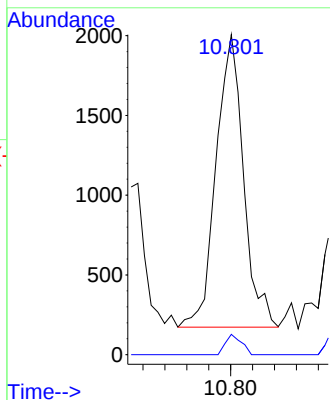
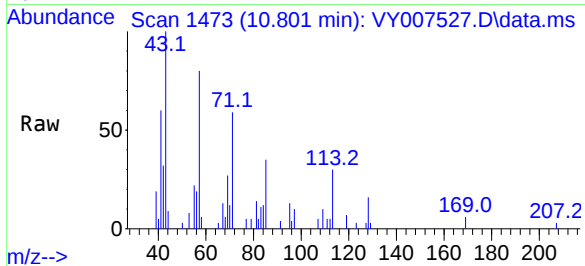




#59
2-Hexanone
Concen: 6.774 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

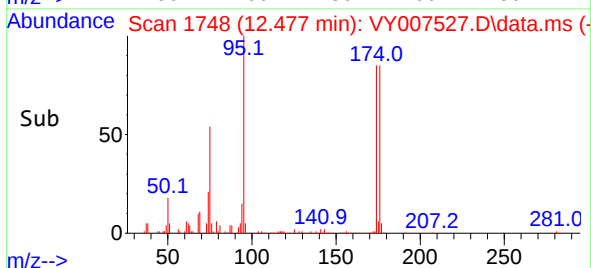
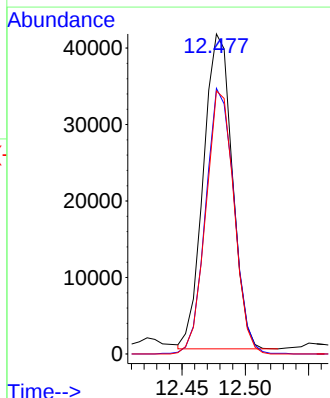
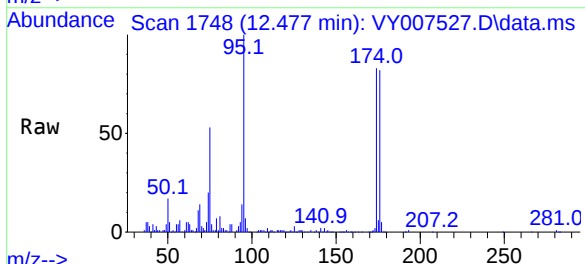
Instrument :
MSVOA_Y
ClientSampleId :
D-2

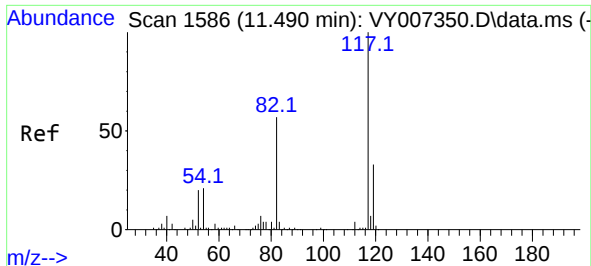
Tgt Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
58 4.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 57.384 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 95 Resp: 65322
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.0
176 81.6 0.0 175.8

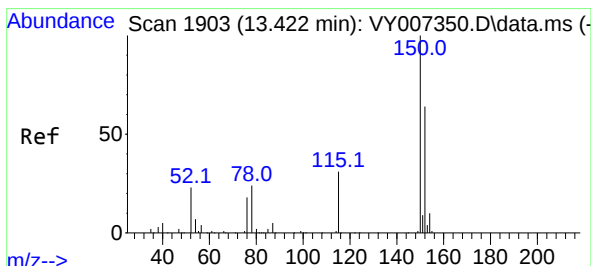
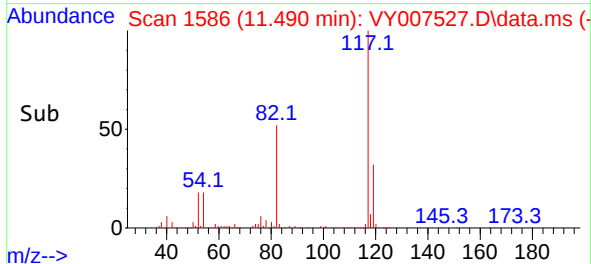
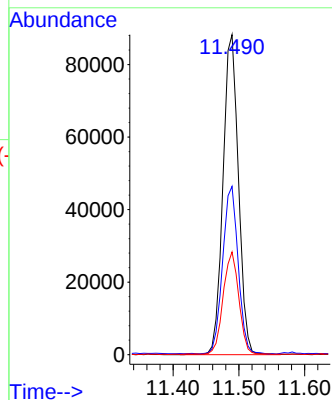
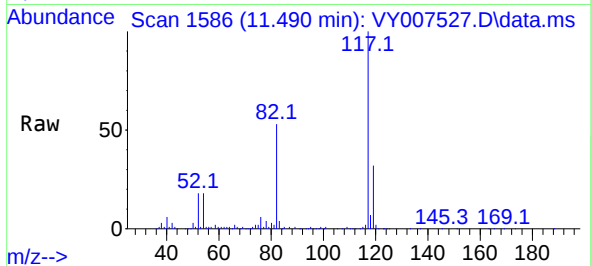




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

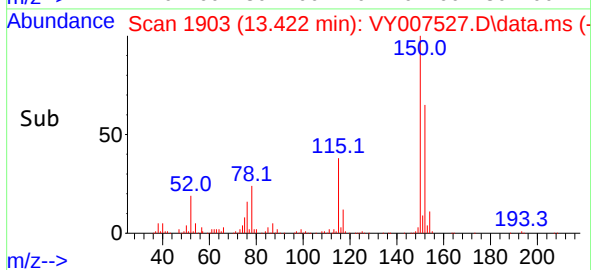
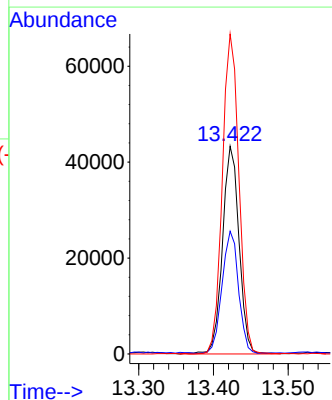
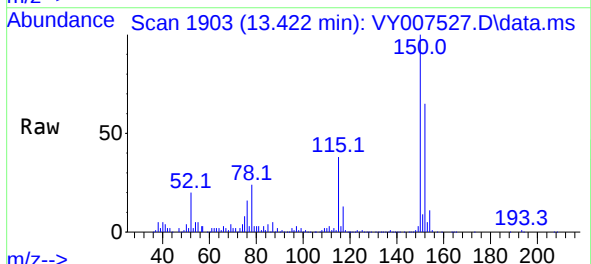
Instrument :
MSVOA_Y
ClientSampleId :
D-2

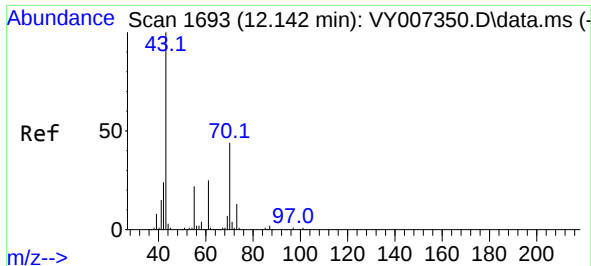
Tgt Ion:117 Resp: 144199
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion:152 Resp: 66844
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 153.8 0.0 347.6

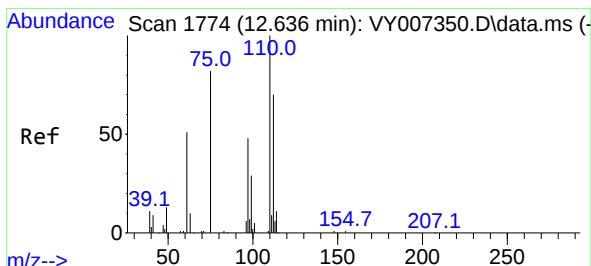
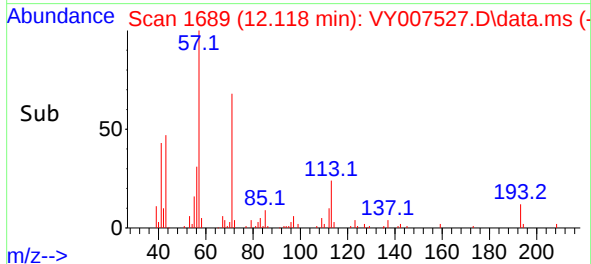
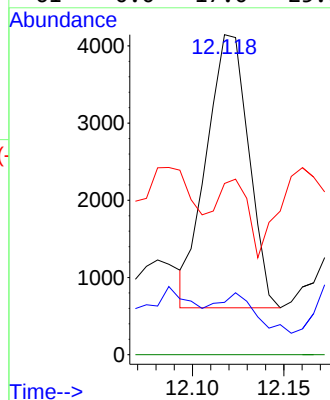
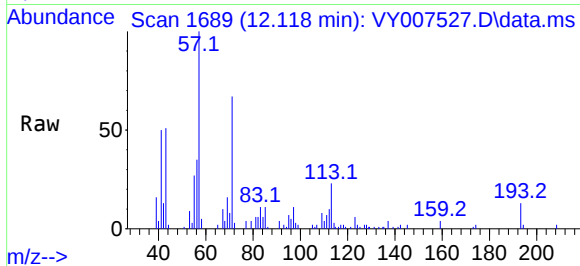




#74
N-amy1 acetate
Concen: 4.240 ug/l
RT: 12.118 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

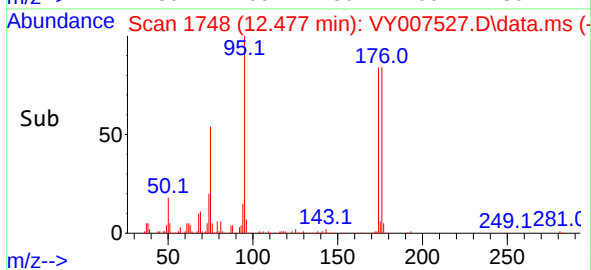
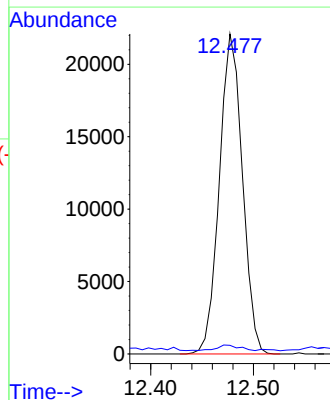
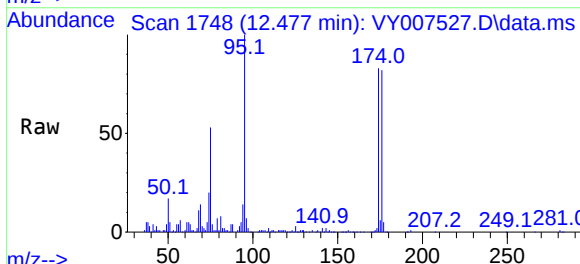
Instrument :
MSVOA_Y
ClientSampleId :
D-2

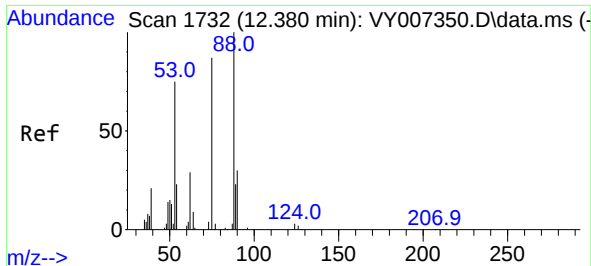
Tgt Ion:	43	Resp:	5685
Ion	Ratio	Lower	Upper
43	100		
70	11.1	28.7	43.1#
55	17.7	17.3	25.9
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 44.509 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion:	75	Resp:	34376
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#

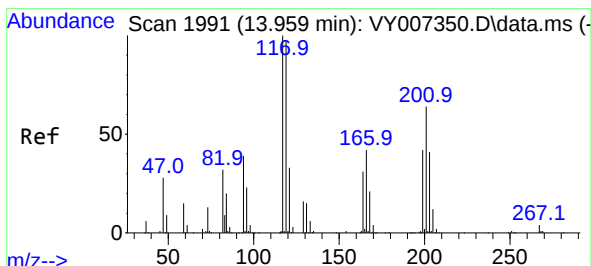
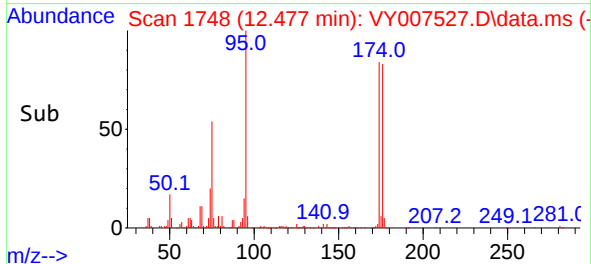
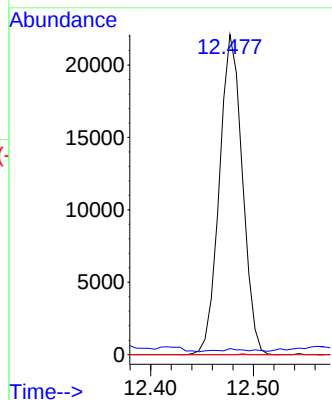
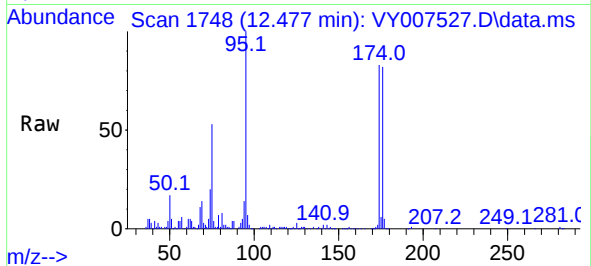




#81
trans-1,4-Dichloro-2-butene
Concen: 92.508 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :
D-2

Tgt Ion: 75 Resp: 34376
Ion Ratio Lower Upper
75 100
53 1.2 85.3 127.9#
89 0.1 37.0 55.4#



#90
Hexachloroethane
Concen: 2.732 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007527.D
Acq: 17 Feb 2022 17:01

Tgt Ion: 117 Resp: 2717
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#

