

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007625.D
 Acq On : 24 Feb 2022 18:14
 Operator : SY/MD
 Sample : N1584-14
 Misc : 6.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D16-12.5

Quant Time: Feb 25 05:43:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

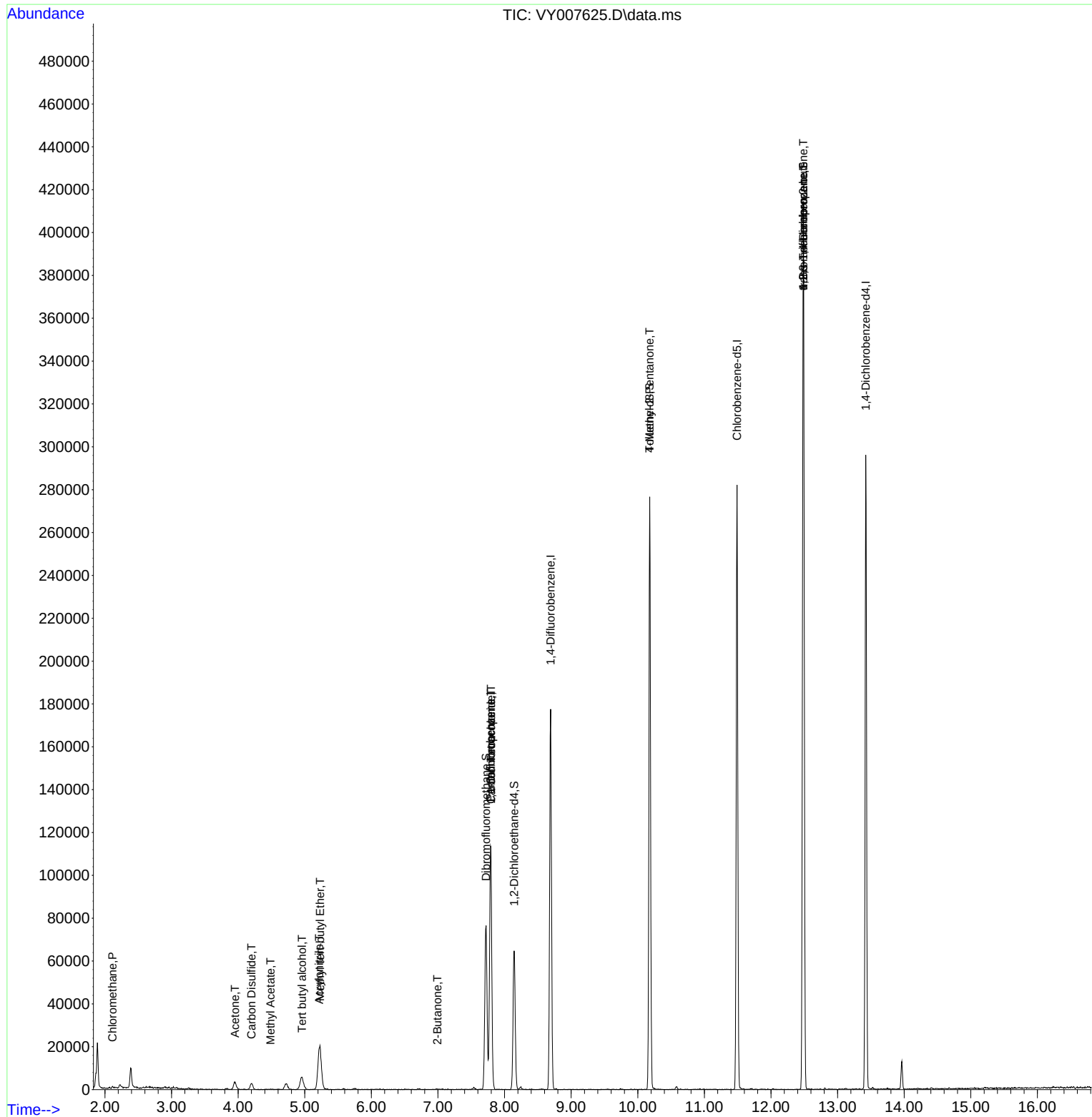
Internal Standards						
1) Pentafluorobenzene	7.789	168	89597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	153683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	152288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	72989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52799	52.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.940%	
35) Dibromofluoromethane	7.722	113	50023	51.585	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.160%	
50) Toluene-d8	10.179	98	181141	50.452	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.900%	
62) 4-Bromofluorobenzene	12.483	95	65360	53.304	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	463	1.170	ug/l #	85
5) Bromomethane	2.656	94	138	Below Cal	#	77
11) Tert butyl alcohol	4.960	59	12371	123.232	ug/l #	95
15) Acrylonitrile	5.216	53	250	1.121	ug/l #	28
16) Acetone	3.954	43	6337	27.917	ug/l	99
17) Carbon Disulfide	4.198	76	5885	2.340	ug/l	96
18) Methyl Acetate	4.485	43	222	1.685	ug/l #	83
19) Methyl tert-butyl Ether	5.229	73	39129	14.386	ug/l #	85
20) Methylene Chloride	4.723	84	2498	Below Cal	#	66
25) 2-Butanone	6.990	43	319	1.240	ug/l #	54
31) Cyclohexane	7.795	56	1810	Below Cal	#	19
36) 1,1-Dichloropropene	7.795	75	6521	4.667	ug/l #	52
38) Carbon Tetrachloride	7.795	117	8811	4.306	ug/l #	14
51) 4-Methyl-2-Pentanone	10.179	43	798	1.234	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	40137	54.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40137	118.221	ug/l #	8

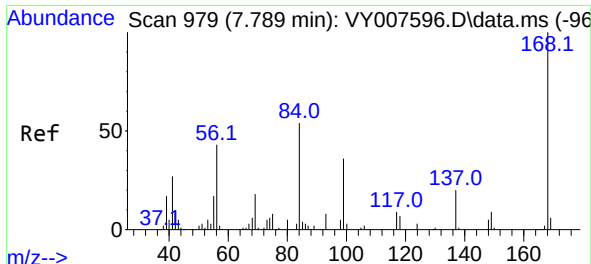
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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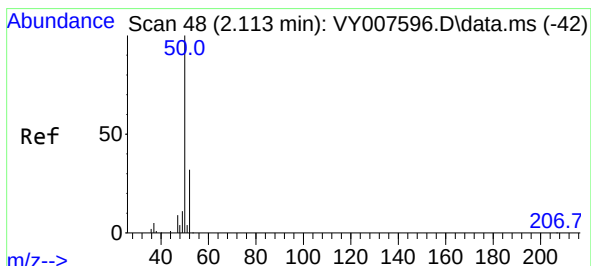
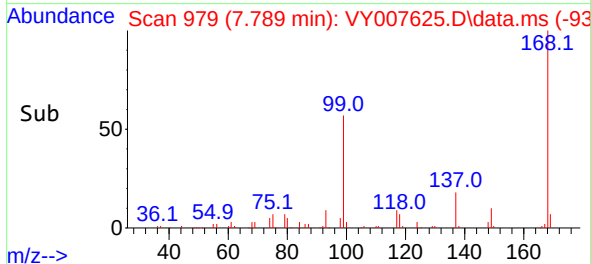
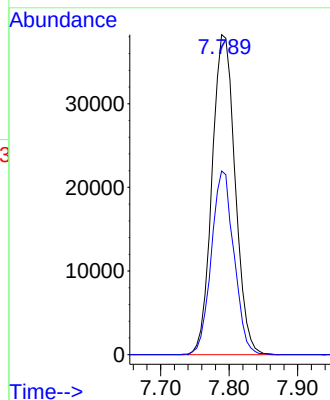
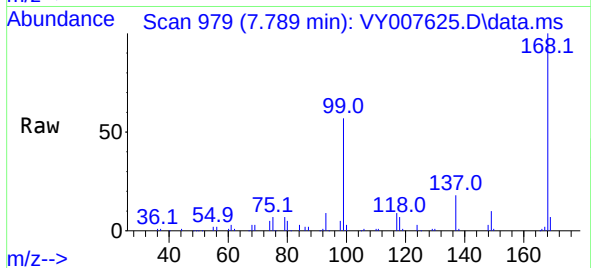




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

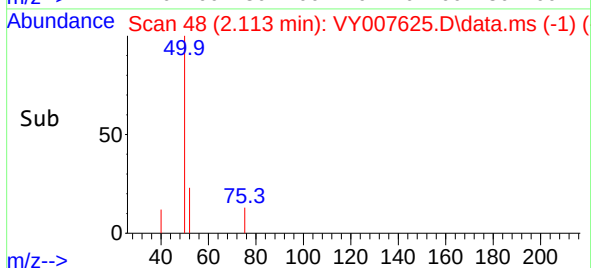
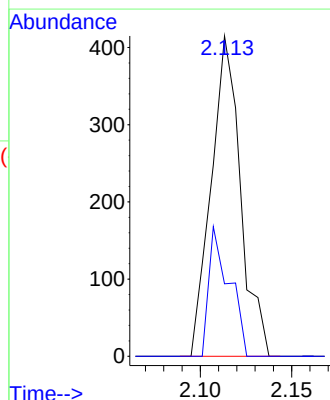
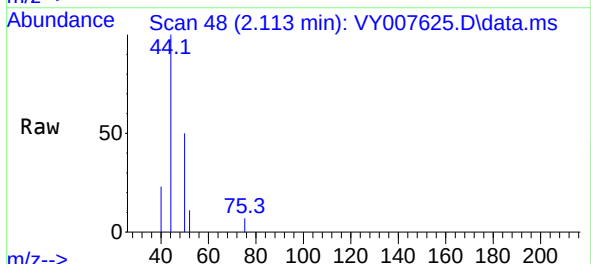
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

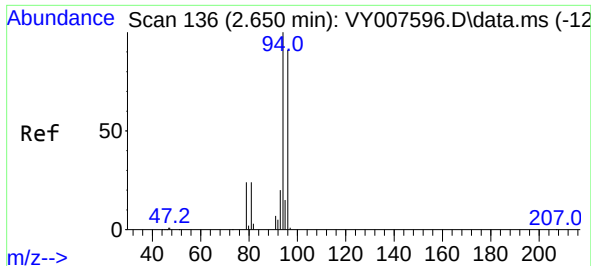
Tgt Ion:168 Resp: 89597
Ion Ratio Lower Upper
168 100
99 57.4 46.9 70.3



#3
Chloromethane
Concen: 1.170 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 22.7 24.6 37.0#

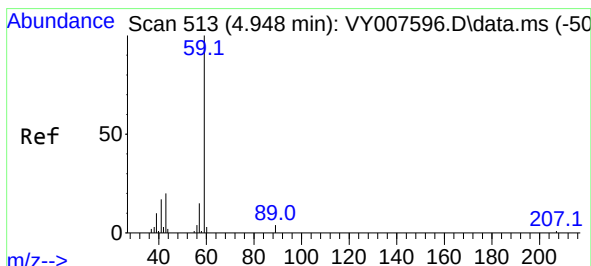
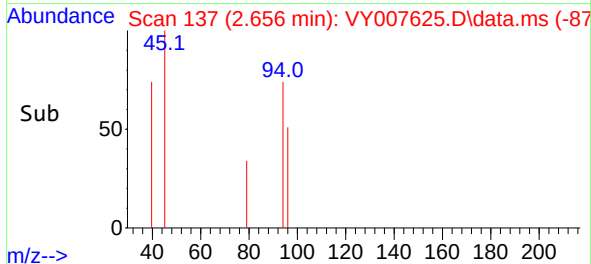
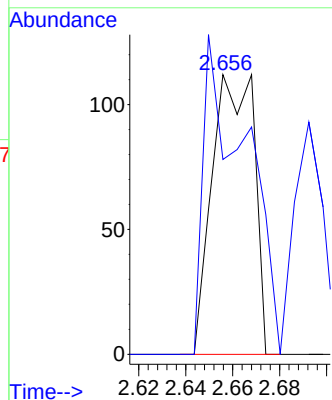
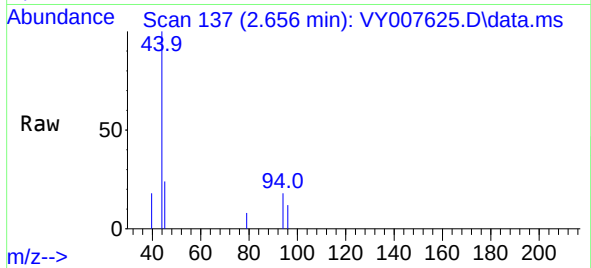




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

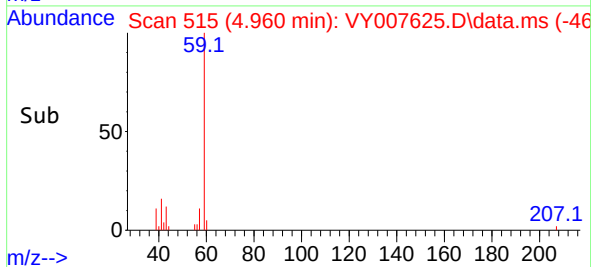
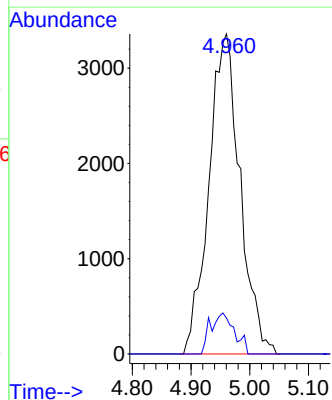
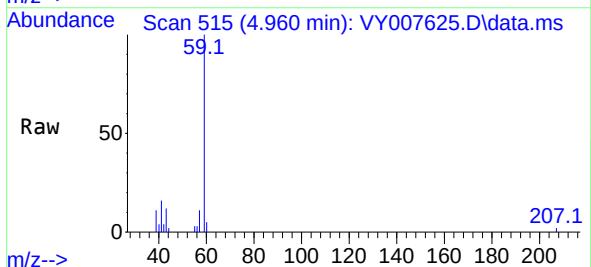
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

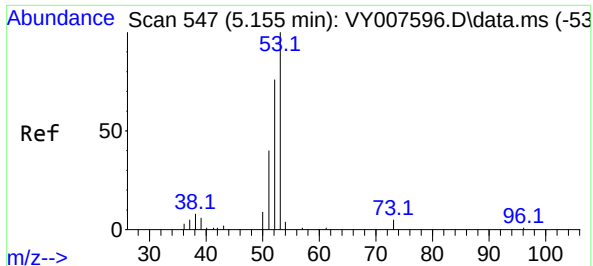
Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 69.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: 123.232 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 59 Resp: 12371
Ion Ratio Lower Upper
59 100
57 9.8 6.4 9.6#

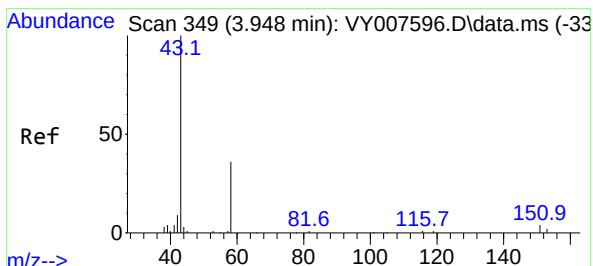
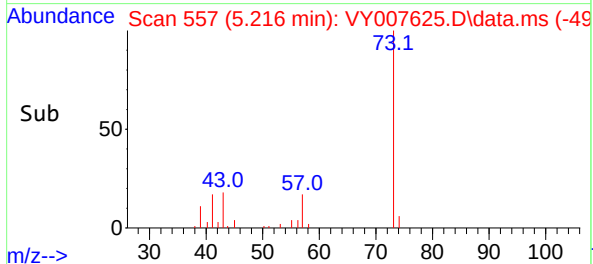
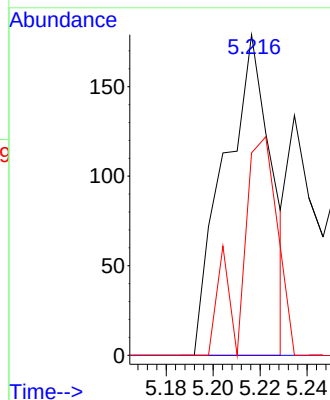
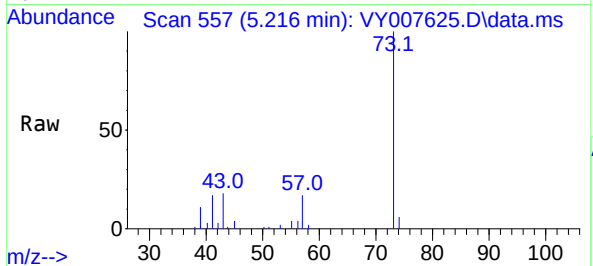




#15
Acrylonitrile
Concen: 1.121 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.061 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

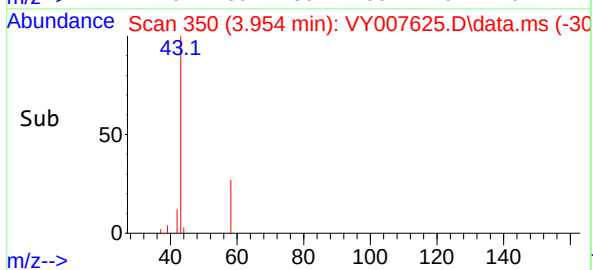
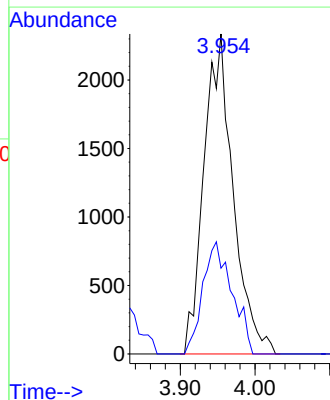
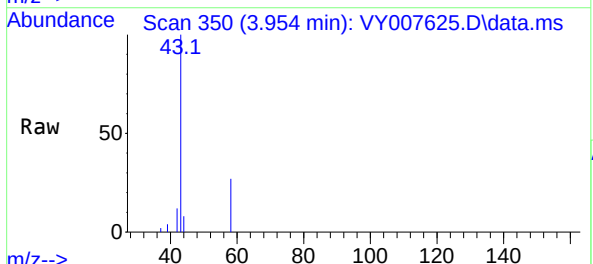
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

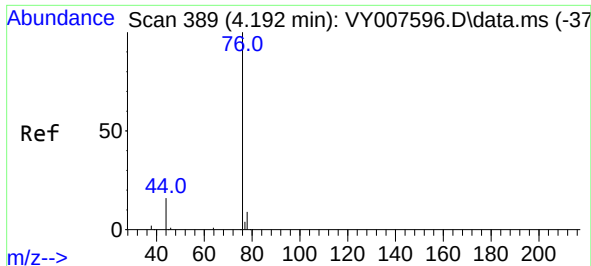
Tgt Ion: 53 Resp: 250
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 52.4 29.8 44.6#



#16
Acetone
Concen: 27.917 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 43 Resp: 6337
Ion Ratio Lower Upper
43 100
58 26.8 22.0 33.0

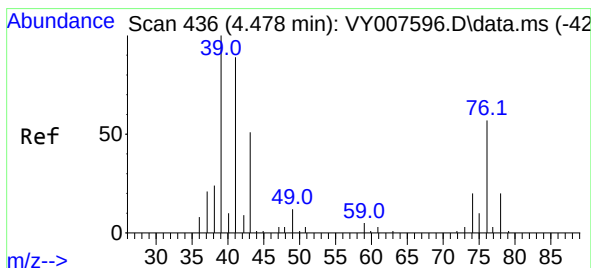
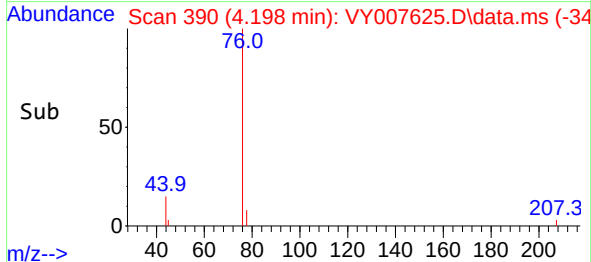
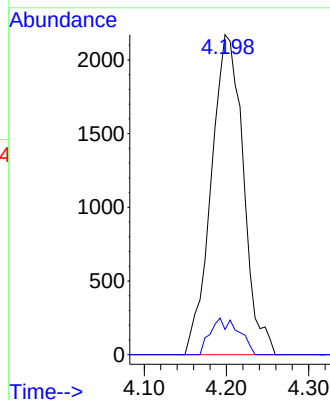
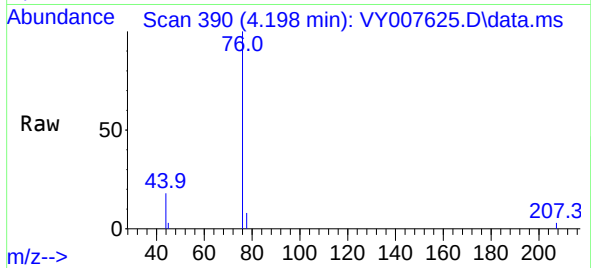




#17
Carbon Disulfide
Concen: 2.340 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

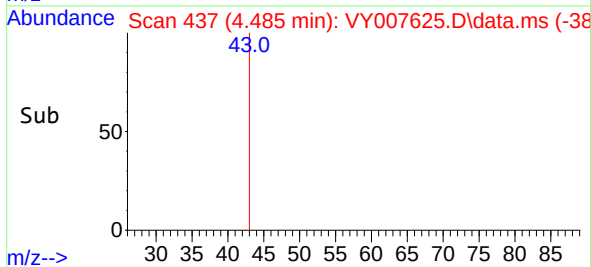
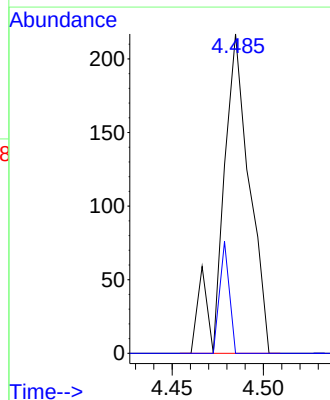
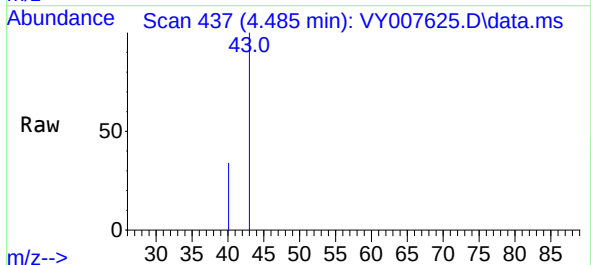
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

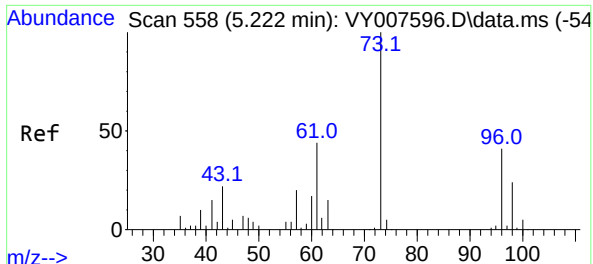
Tgt Ion: 76 Resp: 5885
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0



#18
Methyl Acetate
Concen: 1.685 ug/l
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
74 12.6 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 14.386 ug/l

RT: 5.229 min Scan# 51

Delta R.T. 0.007 min

Lab File: VY007625.D

Acq: 24 Feb 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

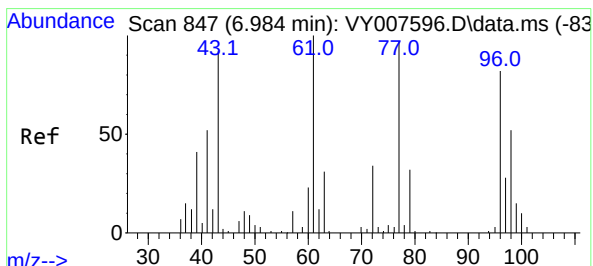
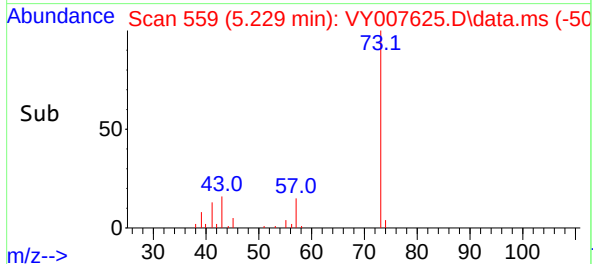
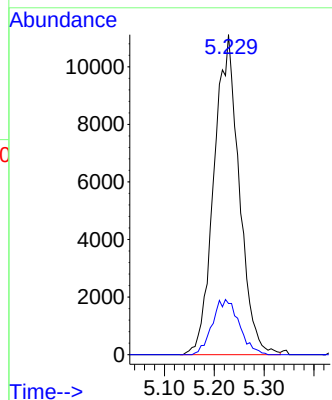
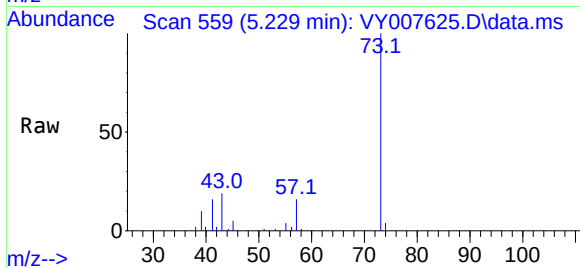
D16-12.5

Tgt Ion: 73 Resp: 39129

Ion Ratio Lower Upper

73 100

57 16.0 18.6 27.8#



#25

2-Butanone

Concen: 1.240 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY007625.D

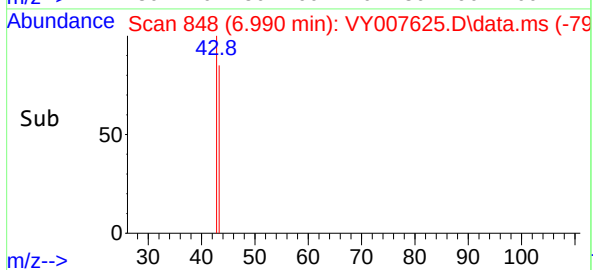
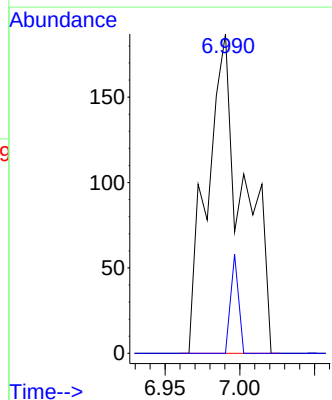
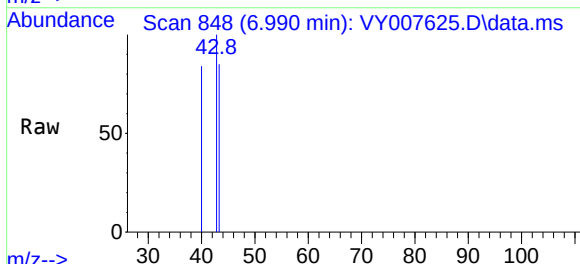
Acq: 24 Feb 2022 18:14

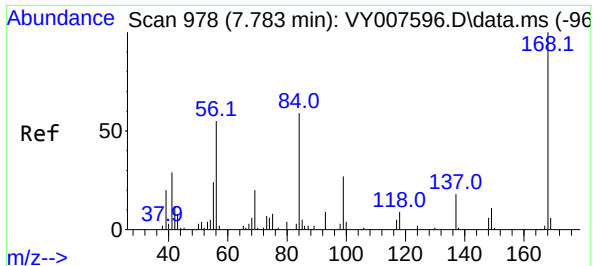
Tgt Ion: 43 Resp: 319

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

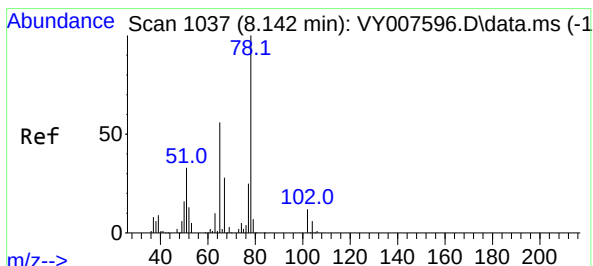
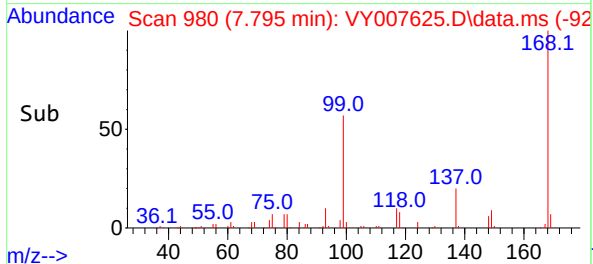
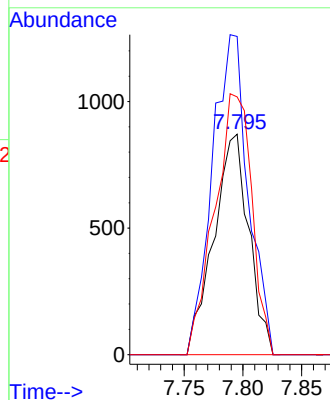
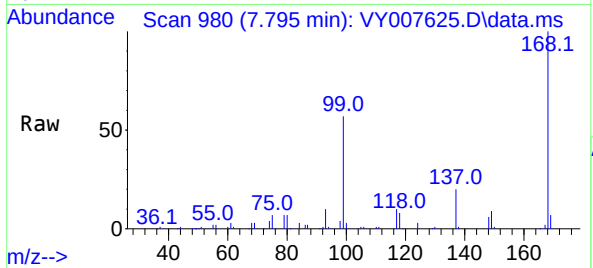




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

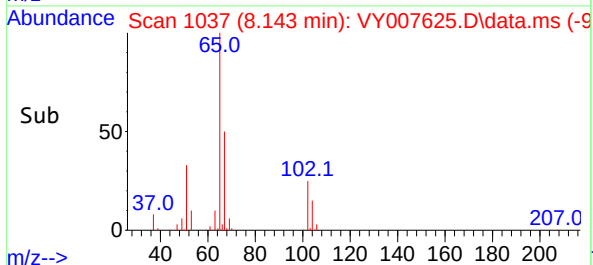
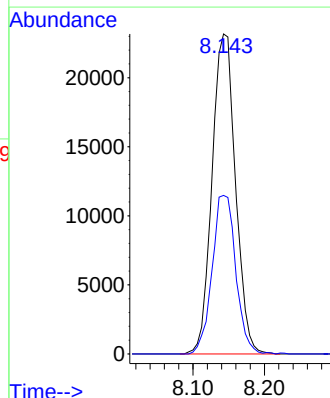
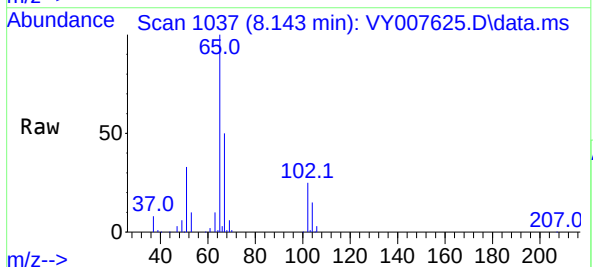
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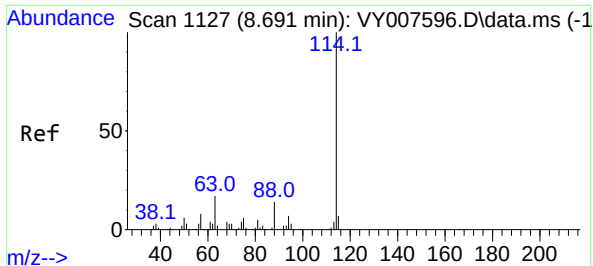
Tgt Ion: 56 Resp: 1810
Ion Ratio Lower Upper
56 100
69 144.3 26.7 40.1#
84 116.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.972 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 65 Resp: 52799
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007625.D

Acq: 24 Feb 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

D16-12.5

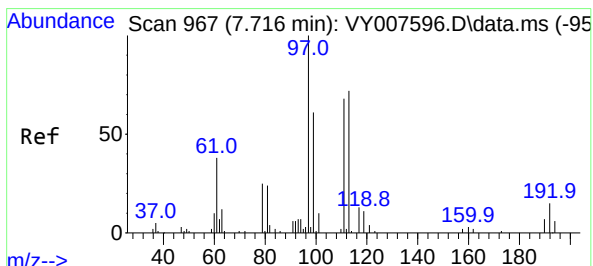
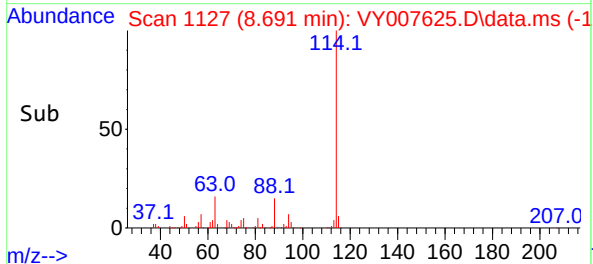
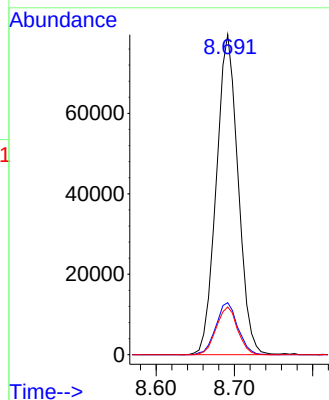
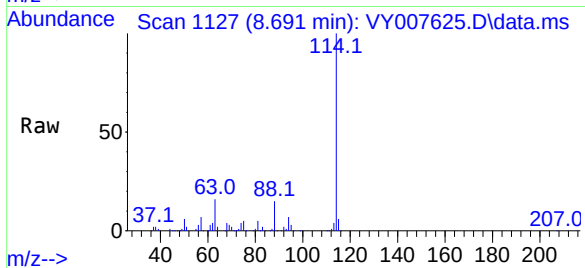
Tgt Ion:114 Resp: 153683

Ion Ratio Lower Upper

114 100

63 16.3 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.585 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007625.D

Acq: 24 Feb 2022 18:14

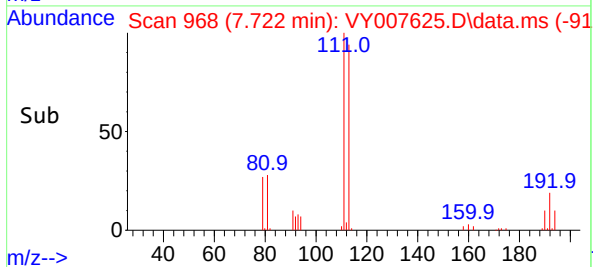
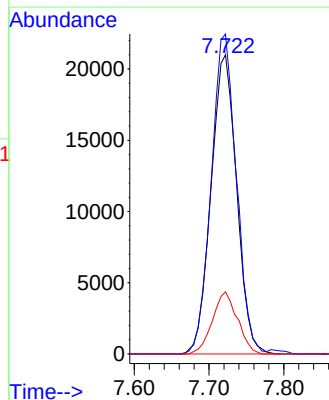
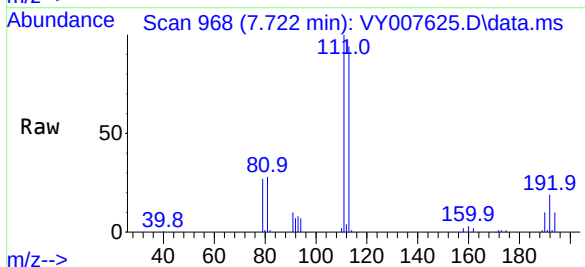
Tgt Ion:113 Resp: 50023

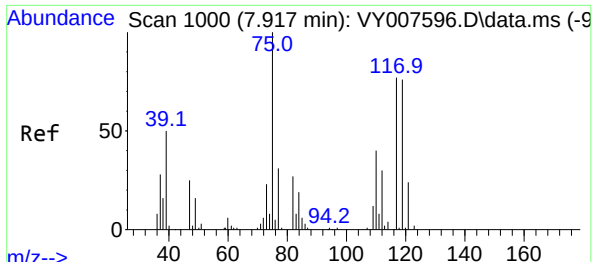
Ion Ratio Lower Upper

113 100

111 104.9 82.6 124.0

192 20.3 17.6 26.4

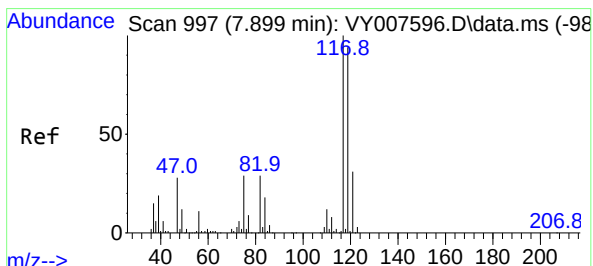
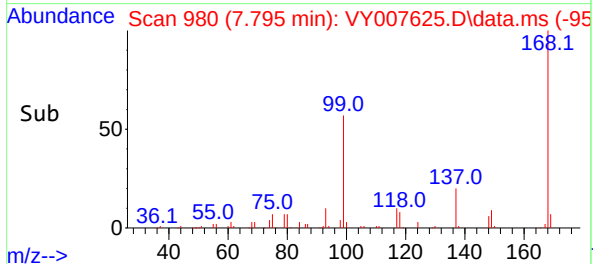
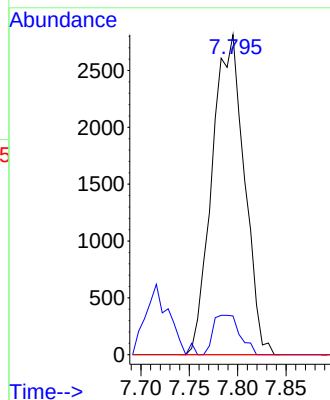
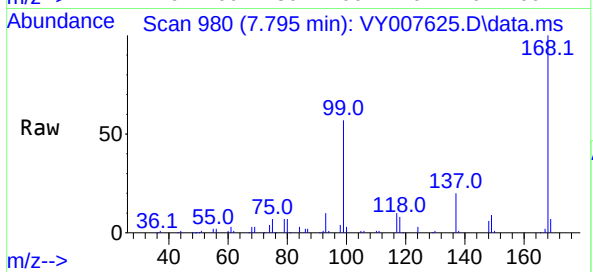




#36
1,1-Dichloropropene
Concen: 4.667 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

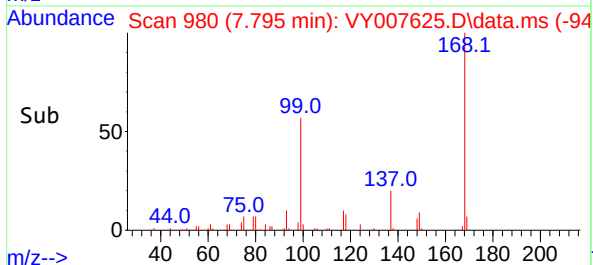
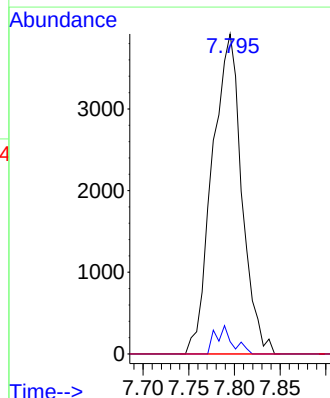
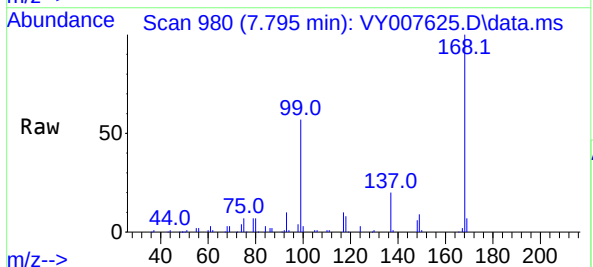
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

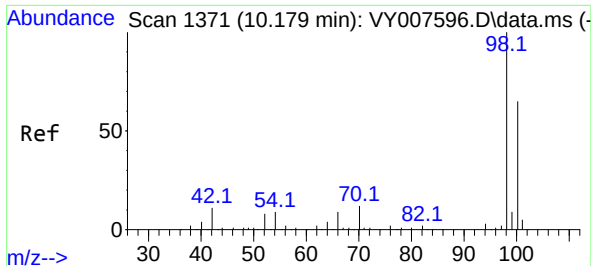
Tgt Ion: 75 Resp: 6521
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.306 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 117 Resp: 8811
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#

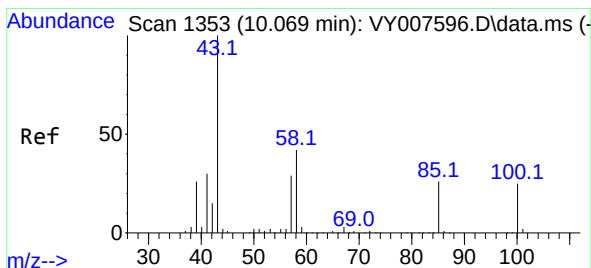
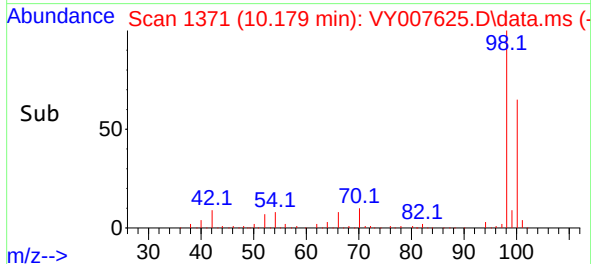
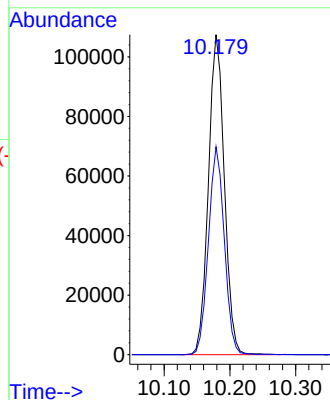
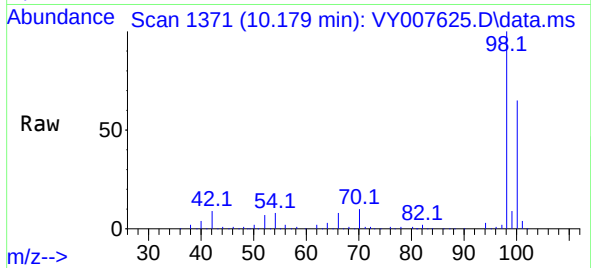




#50
Toluene-d8
Concen: 50.452 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

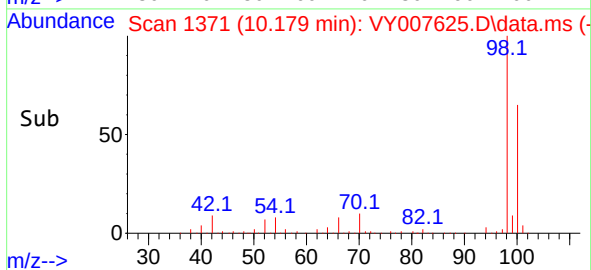
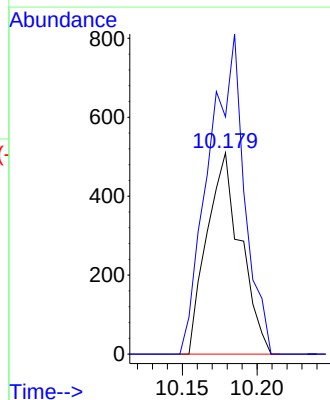
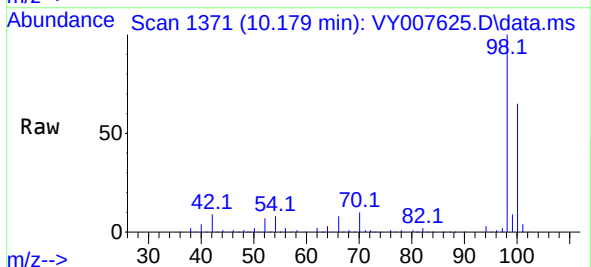
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

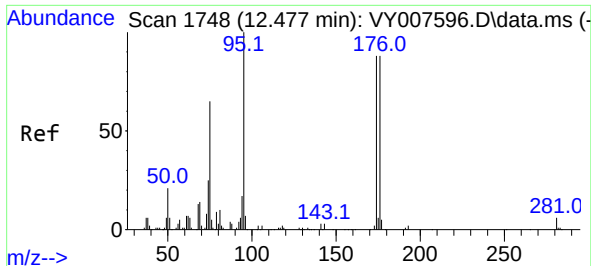
Tgt Ion: 98 Resp: 181141
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.234 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 168.4 28.1 42.1#

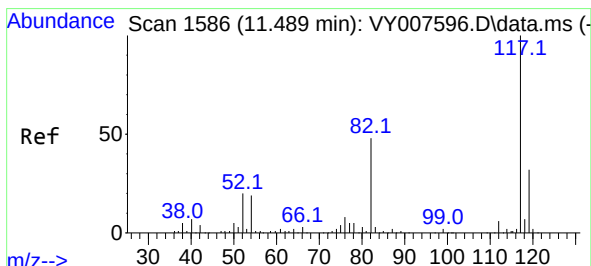
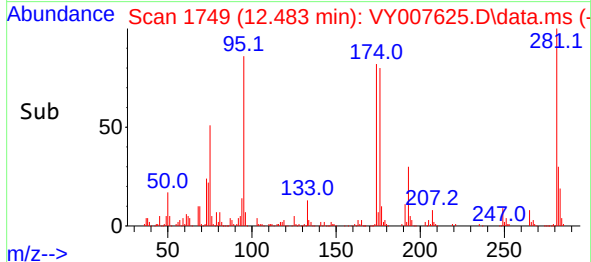
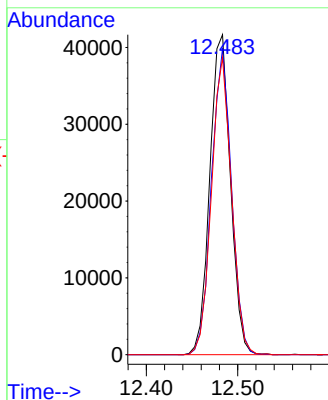
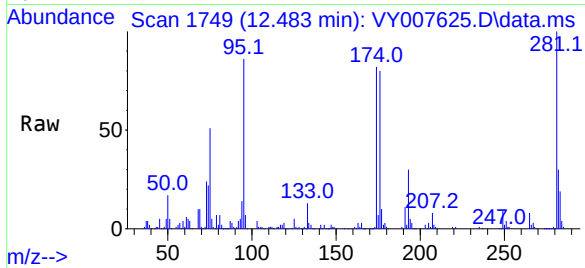




#62
4-Bromofluorobenzene
Concen: 53.304 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

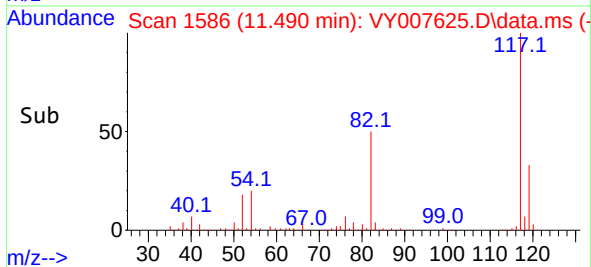
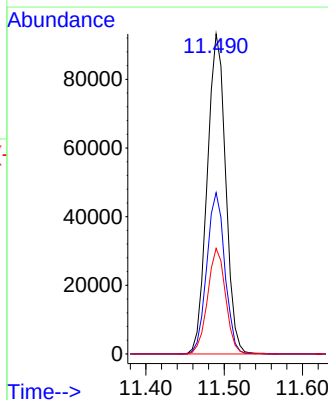
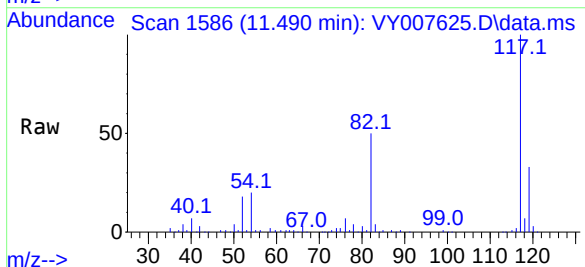
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

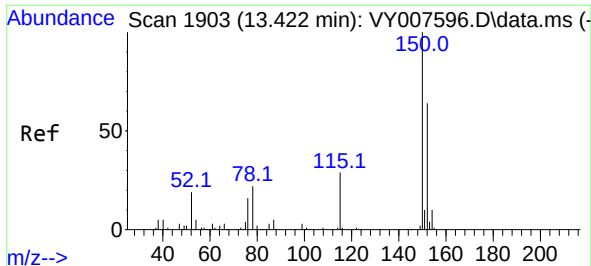
Tgt Ion: 95 Resp: 65360
Ion Ratio Lower Upper
95 100
174 92.8 0.0 177.0
176 90.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

Tgt Ion: 117 Resp: 152288
Ion Ratio Lower Upper
117 100
82 50.4 43.0 64.4
119 33.0 25.4 38.0

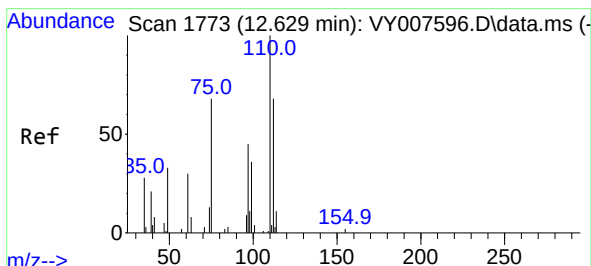
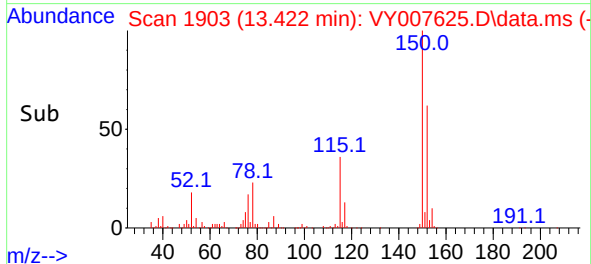
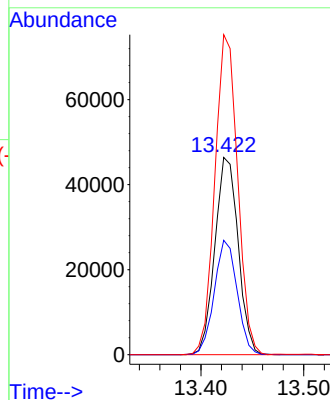
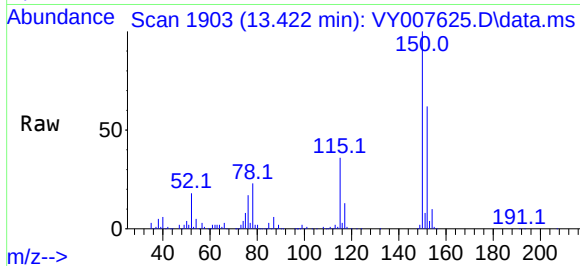




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

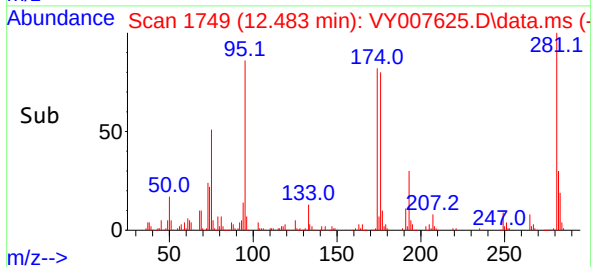
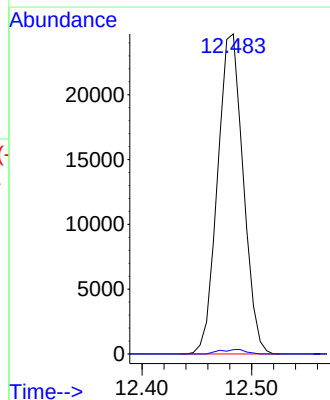
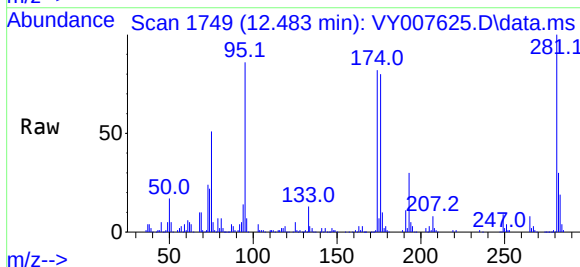
Instrument :
MSVOA_Y
ClientSampleId :
D16-12.5

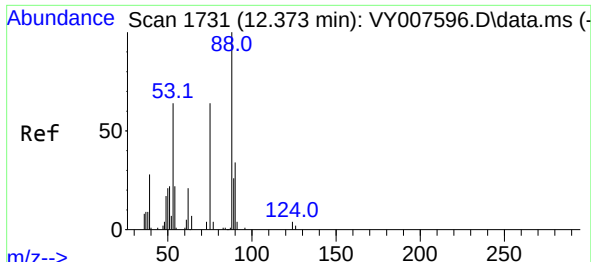
Tgt Ion:152 Resp: 72989
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 54.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY007625.D
Acq: 24 Feb 2022 18:14

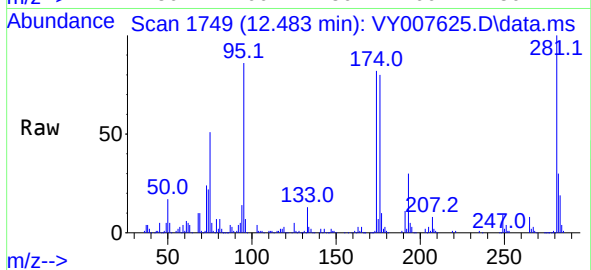
Tgt Ion: 75 Resp: 40137
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.221 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY007625.D
 Acq: 24 Feb 2022 18:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 D16-12.5



Tgt Ion:	75	Resp:	40137
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	1.5	37.0	55.4#

