

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009344.D
 Acq On : 27 Jun 2022 15:46
 Operator : KP/MD
 Sample : N3426-02
 Misc : 7.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B2201-35

Quant Time: Jun 28 04:30:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

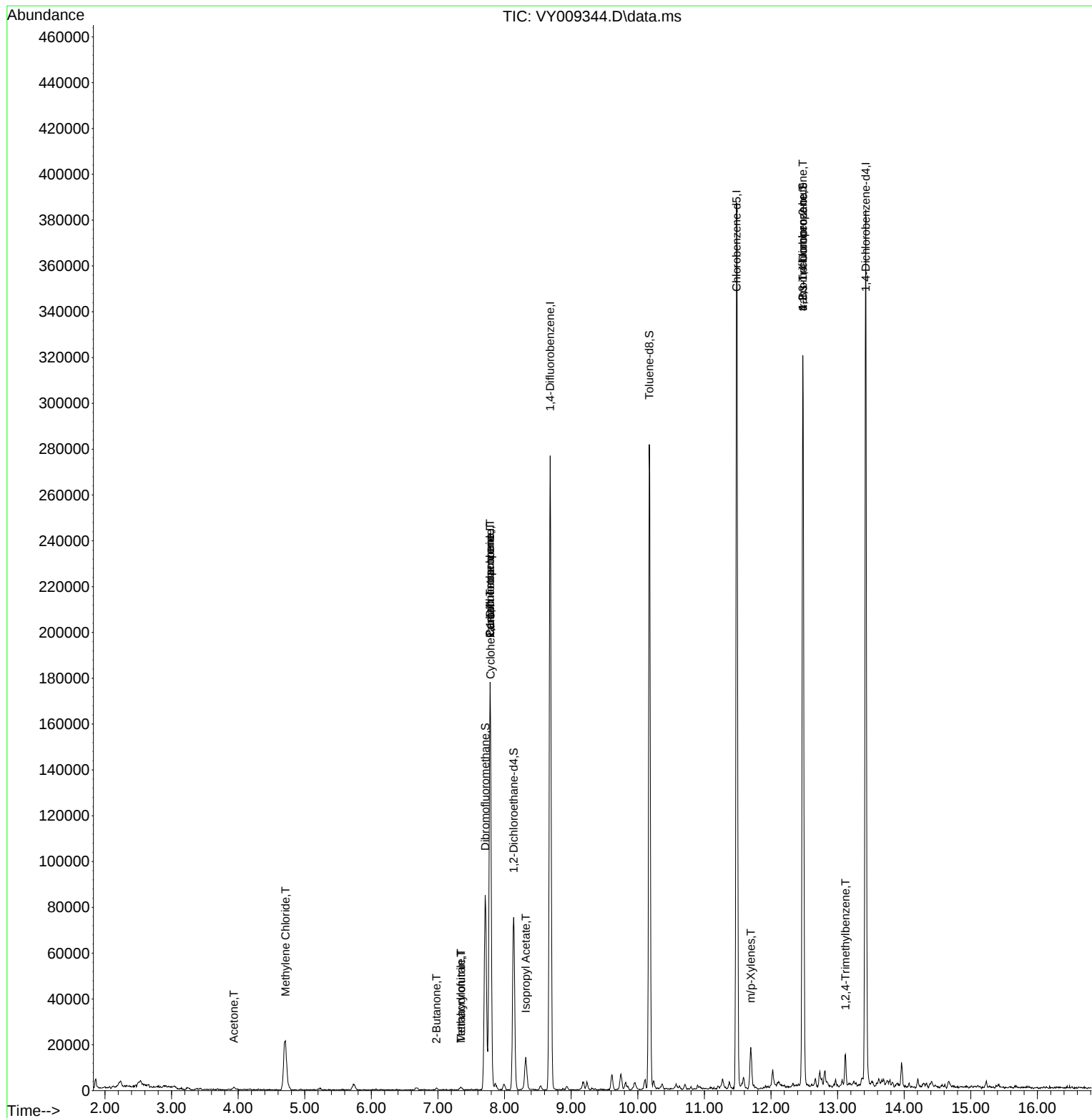
Internal Standards						
1) Pentafluorobenzene	7.783	168	134746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	231709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	207309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	57062	56.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.720%
35) Dibromofluoromethane	7.710	113	59381	47.479	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.960%
50) Toluene-d8	10.173	98	181505	49.619	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.240%
62) 4-Bromofluorobenzene	12.477	95	82943	46.565	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	77	Below Cal	#	78
16) Acetone	3.936	43	1994	5.788	ug/l	100
20) Methylene Chloride	4.710	84	15797	7.774	ug/l	94
25) 2-Butanone	6.978	43	578	1.116	ug/l #	48
29) Tetrahydrofuran	7.344	42	1077	3.239	ug/l #	78
31) Cyclohexane	7.789	56	3754	1.541	ug/l #	56
36) 1,1-Dichloropropene	7.783	75	10143	4.832	ug/l #	49
38) Carbon Tetrachloride	7.783	117	12631	5.852	ug/l #	17
41) Methacrylonitrile	7.344	41	679	1.058	ug/l #	100
43) Isopropyl Acetate	8.319	43	2772	1.259	ug/l #	52
68) m/p-Xylenes	11.697	106	5037	1.765	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	43588	48.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43588	95.647	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.117	105	6933	1.302	ug/l	94

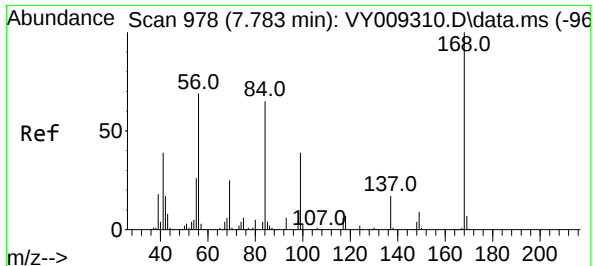
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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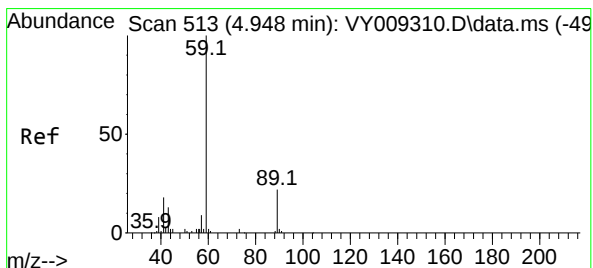
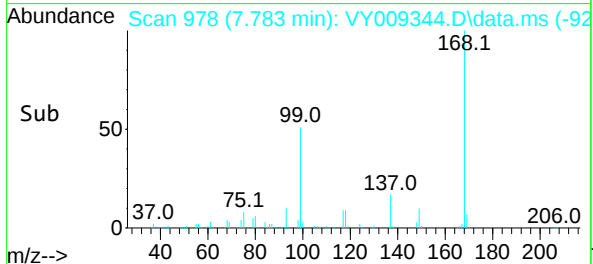
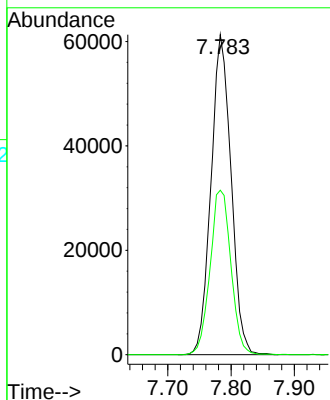
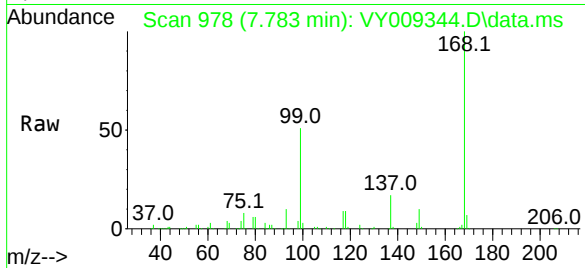




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

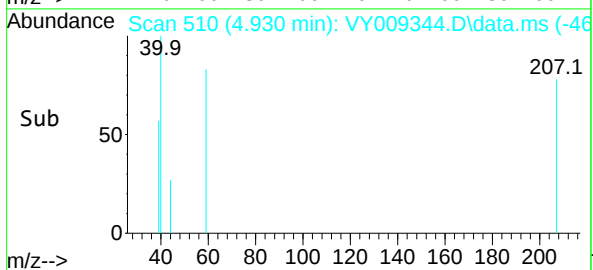
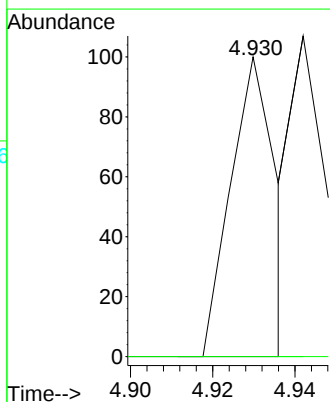
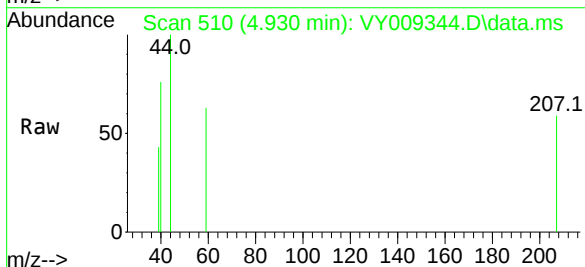
Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

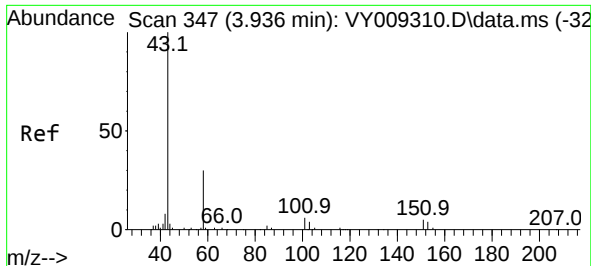
Tgt Ion:168 Resp: 134746
Ion Ratio Lower Upper
168 100
99 51.4 42.1 63.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#

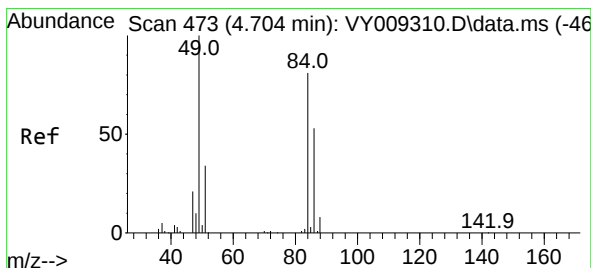
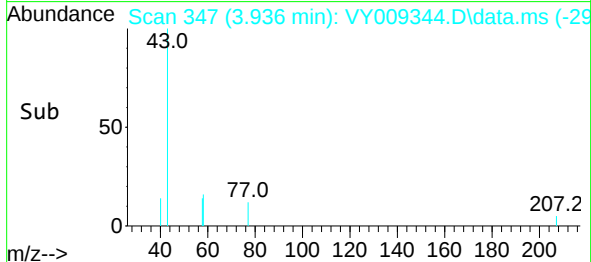
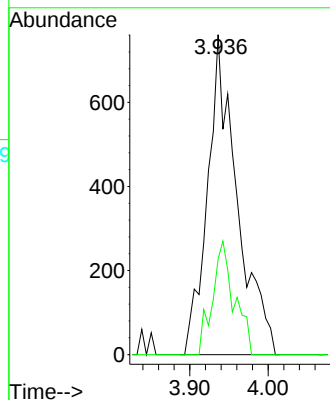
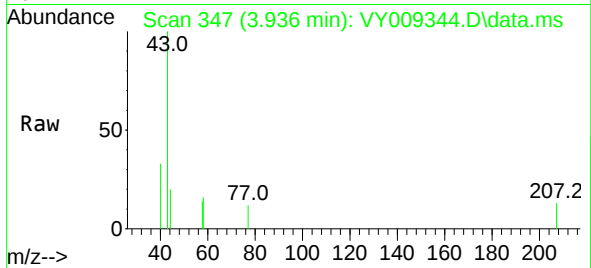




#16
Acetone
Concen: 5.788 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

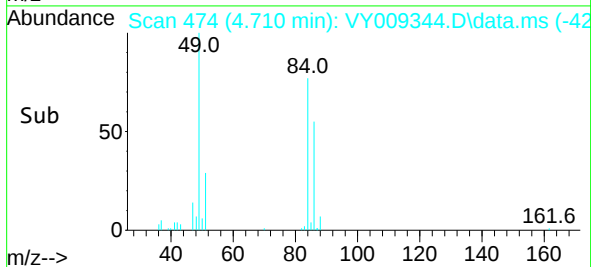
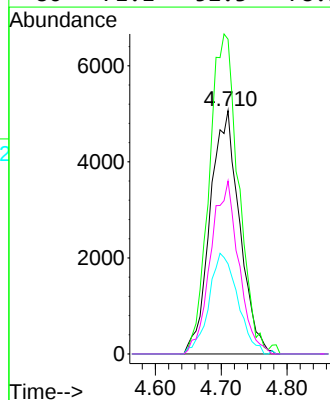
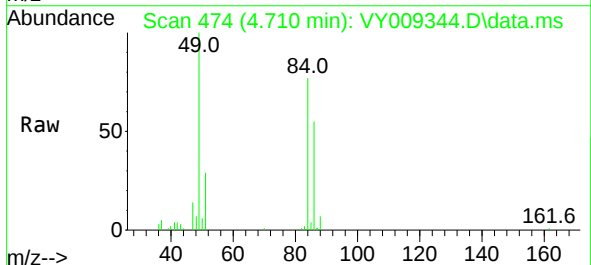
Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

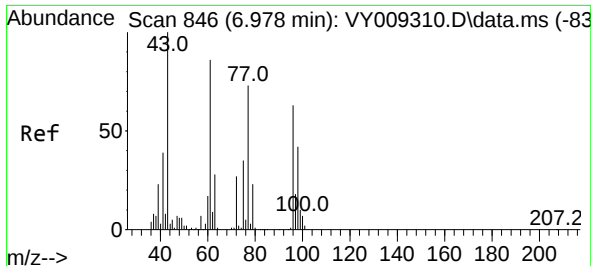
Tgt Ion: 43 Resp: 1994
Ion Ratio Lower Upper
43 100
58 29.8 24.0 36.0



#20
Methylene Chloride
Concen: 7.774 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 84 Resp: 15797
Ion Ratio Lower Upper
84 100
49 129.3 98.2 147.4
51 37.1 33.4 50.0
86 71.1 52.3 78.5

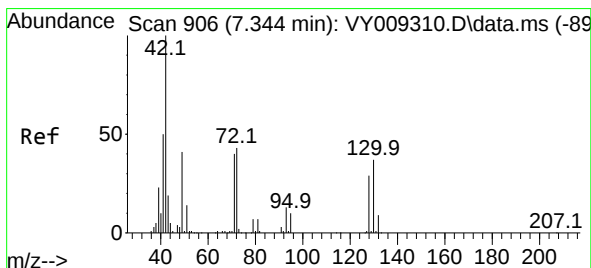
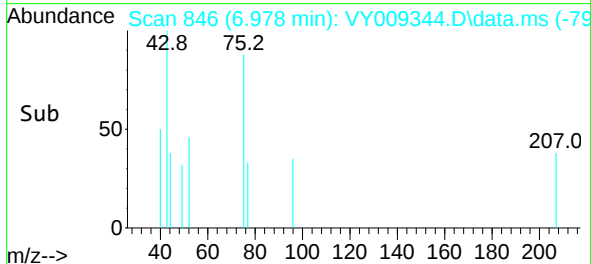
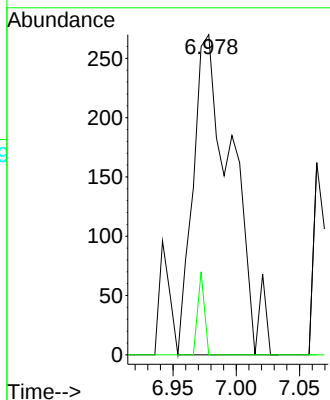
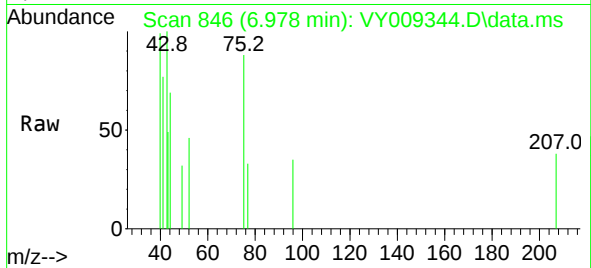




#25
2-Butanone
Concen: 1.116 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

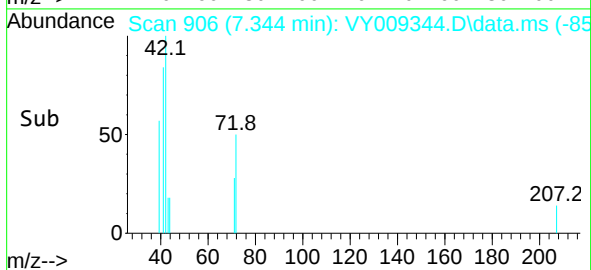
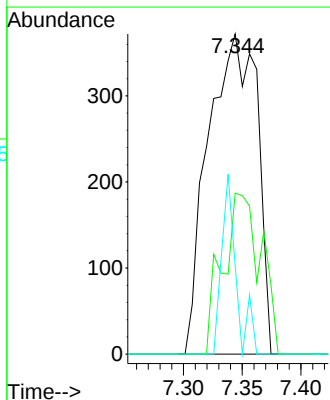
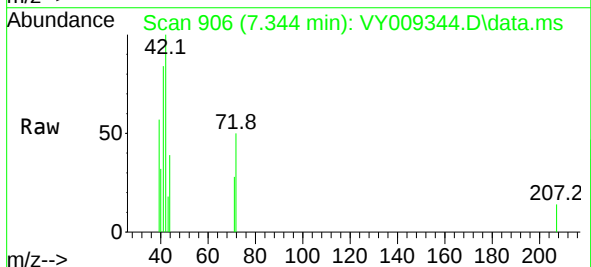
Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

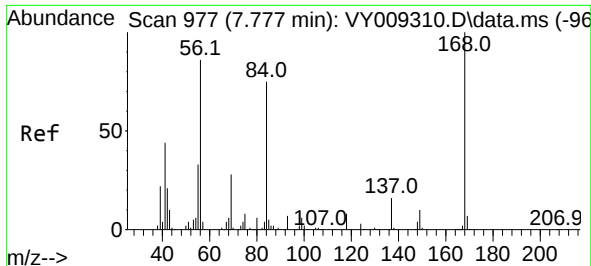
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#29
Tetrahydrofuran
Concen: 3.239 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 42 Resp: 1077
Ion Ratio Lower Upper
42 100
72 39.1 34.6 52.0
71 16.6 32.7 49.1#

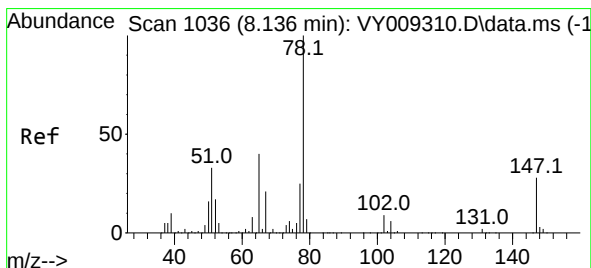
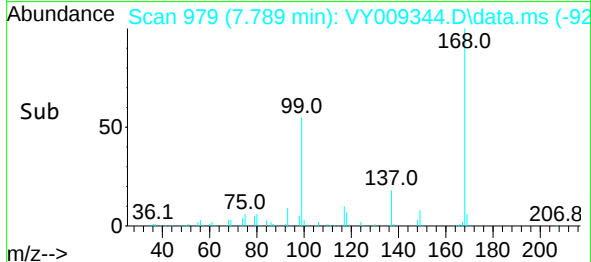
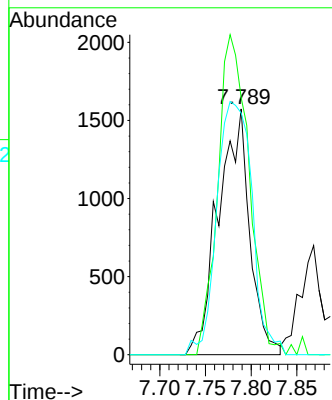
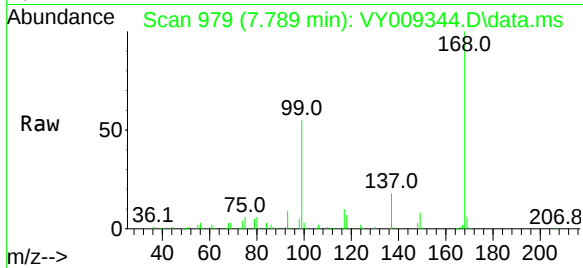




#31
Cyclohexane
Concen: 1.541 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

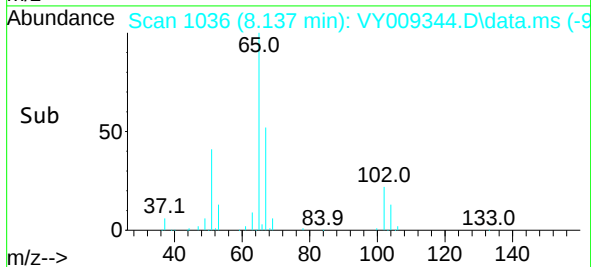
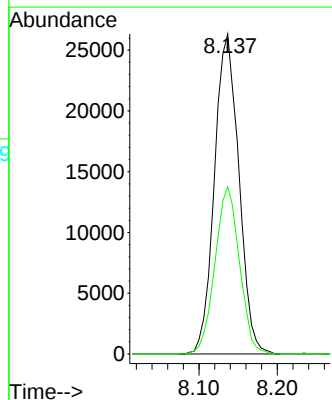
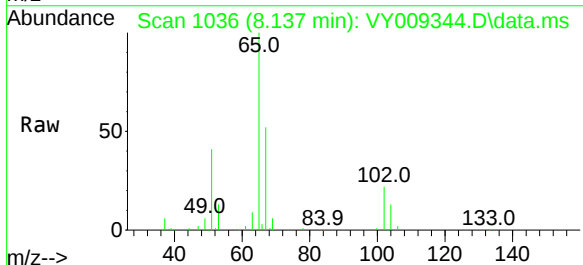
Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

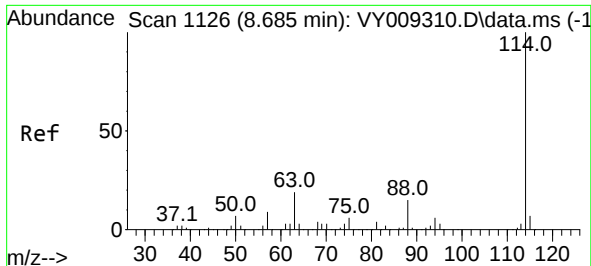
Tgt Ion: 56 Resp: 3754
Ion Ratio Lower Upper
56 100
69 104.6 26.0 39.0#
84 98.3 69.5 104.3



#33
1,2-Dichloroethane-d4
Concen: 56.857 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 65 Resp: 57062
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.4

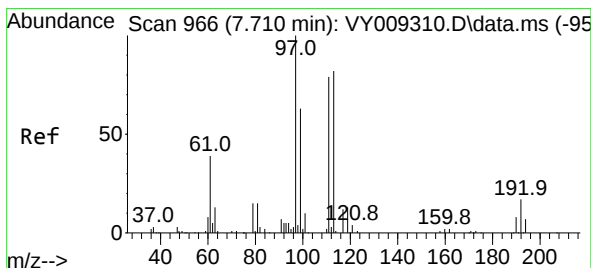
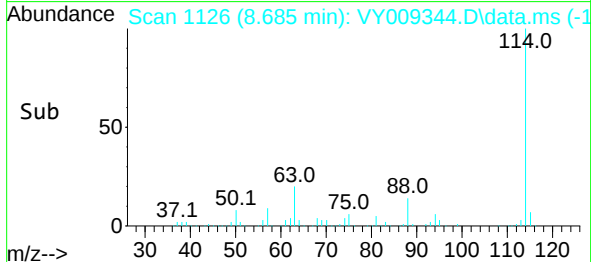
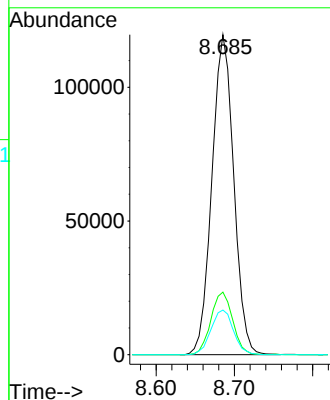
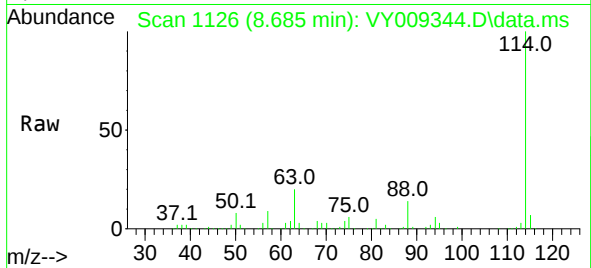




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

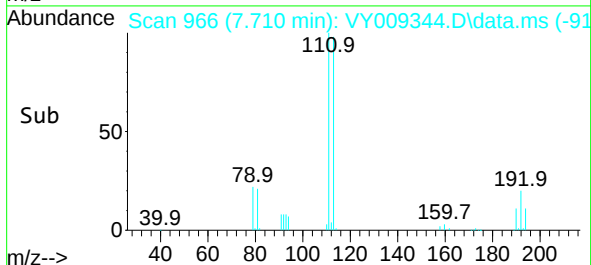
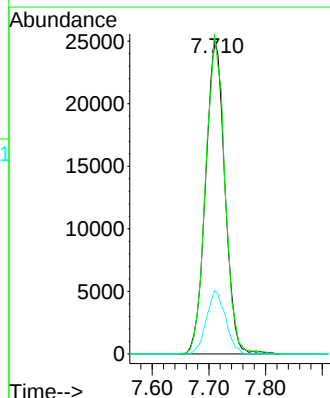
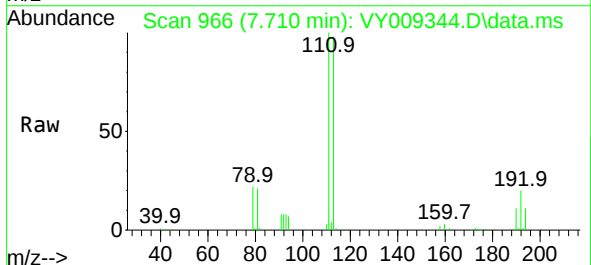
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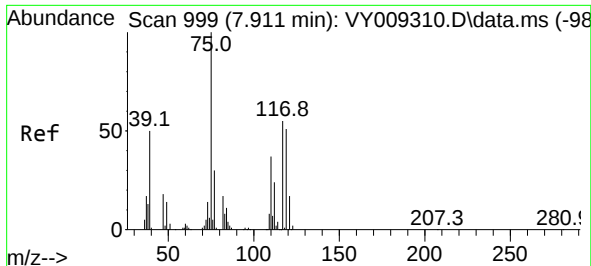
Tgt Ion:114 Resp: 231709
Ion Ratio Lower Upper
114 100
63 19.6 0.0 38.0
88 13.9 0.0 30.0



#35
Dibromofluoromethane
Concen: 47.479 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion:113 Resp: 59381
Ion Ratio Lower Upper
113 100
111 100.7 80.6 120.8
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

B2201-35

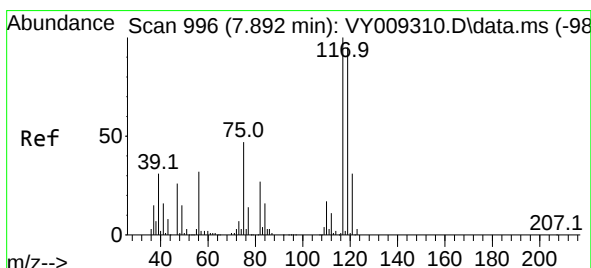
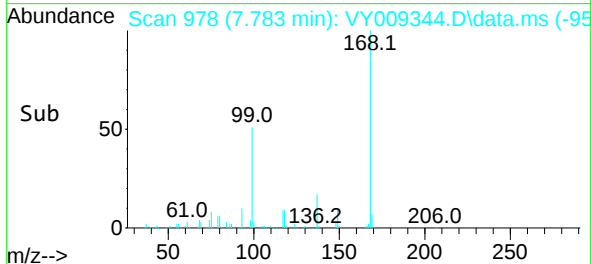
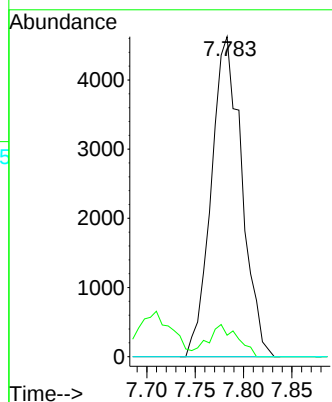
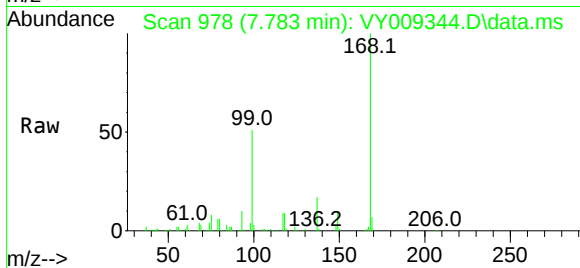
Tgt Ion: 75 Resp: 10143

Ion Ratio Lower Upper

75 100

110 9.6 18.6 56.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.852 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

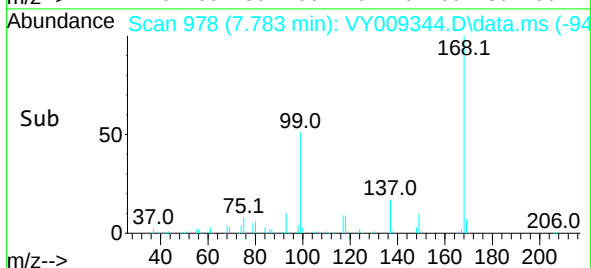
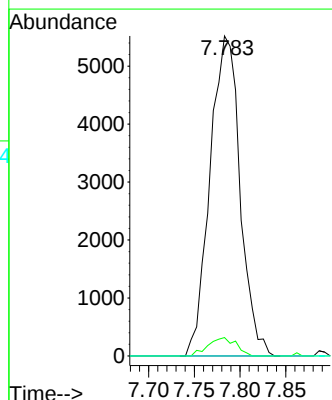
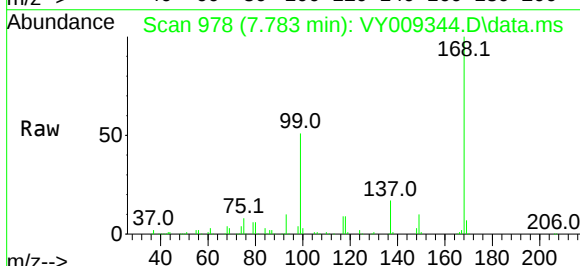
Tgt Ion: 117 Resp: 12631

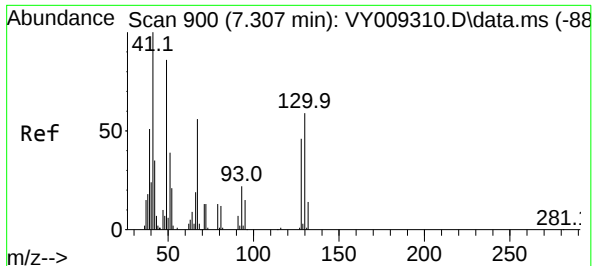
Ion Ratio Lower Upper

117 100

119 5.8 75.9 113.9#

121 0.0 24.9 37.3#

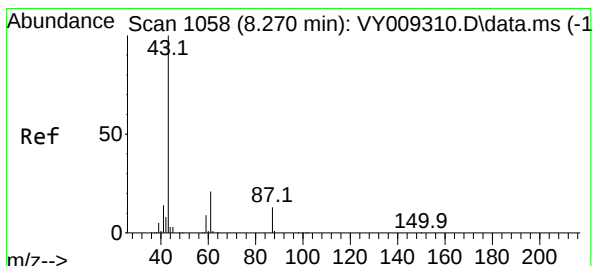
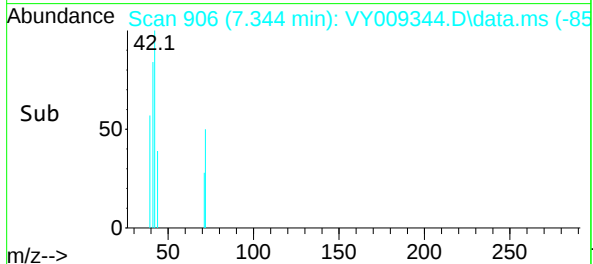
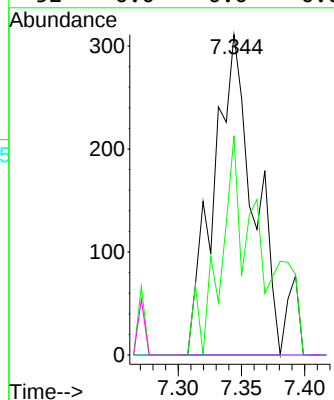
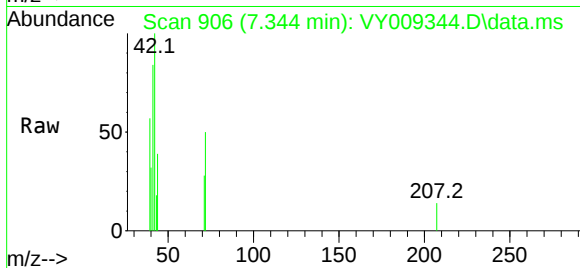




#41
Methacrylonitrile
Concen: 1.058 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

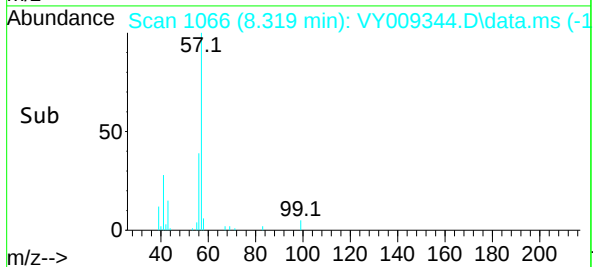
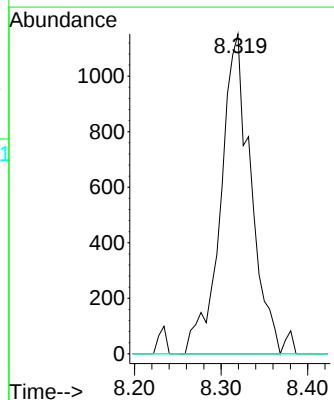
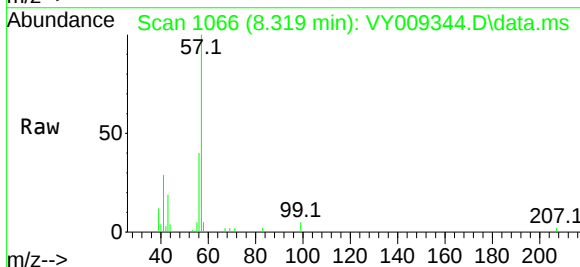
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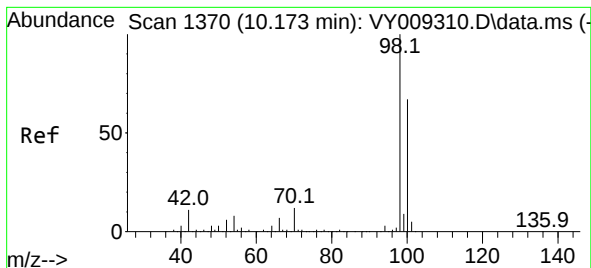
Tgt Ion: 41	Resp: 679
Ion Ratio	Lower Upper
41 100	
39 56.8	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#43
Isopropyl Acetate
Concen: 1.259 ug/l
RT: 8.319 min Scan# 1066
Delta R.T. 0.049 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 43	Resp:	2772	
Ion Ratio	Lower	Upper	
43 100			
61 0.0	23.6	35.4#	
87 0.0	11.3	16.9#	





#50

Toluene-d8

Concen: 49.619 ug/l

RT: 10.173 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

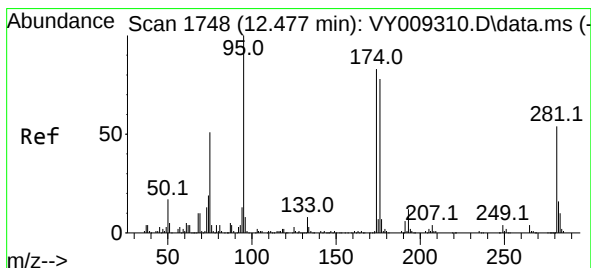
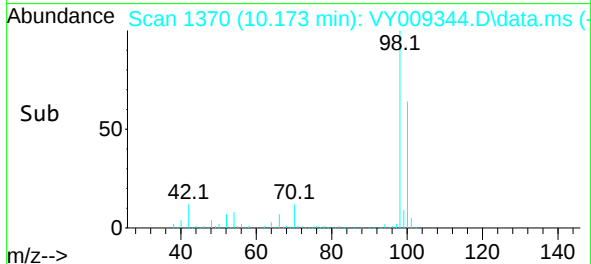
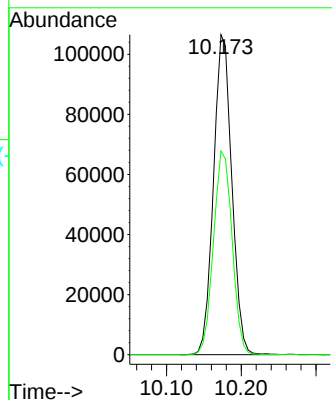
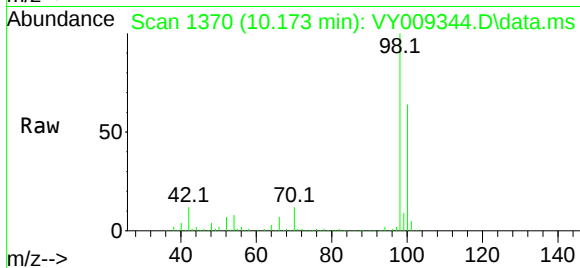
B2201-35

Tgt Ion: 98 Resp: 181505

Ion Ratio Lower Upper

98 100

100 64.8 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.565 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

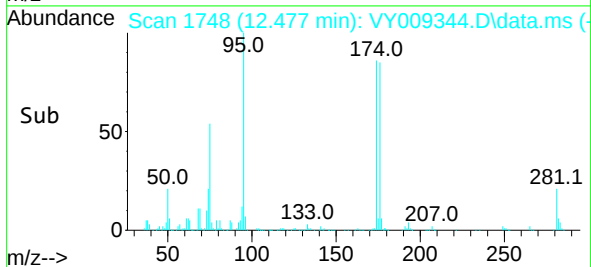
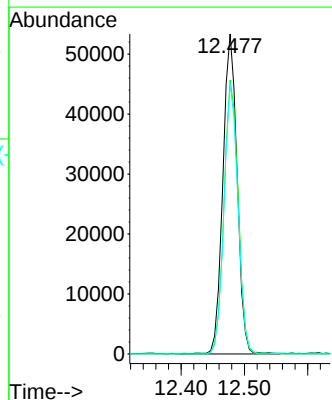
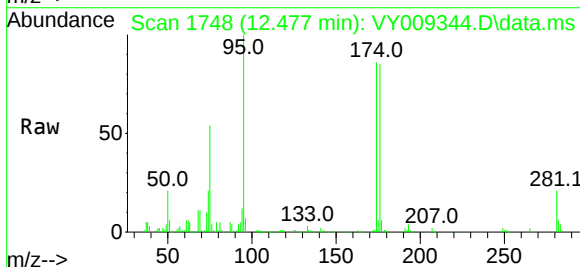
Tgt Ion: 95 Resp: 82943

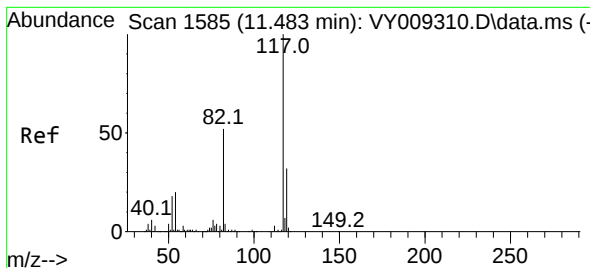
Ion Ratio Lower Upper

95 100

174 85.5 0.0 173.8

176 82.7 0.0 167.0

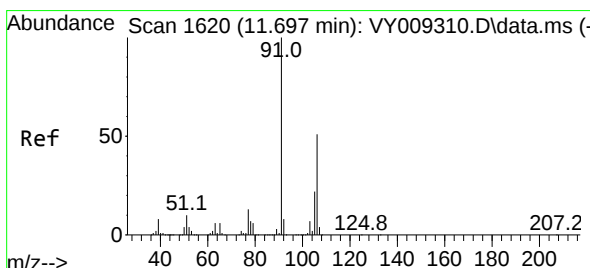
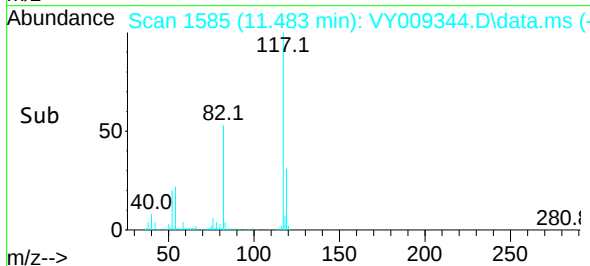
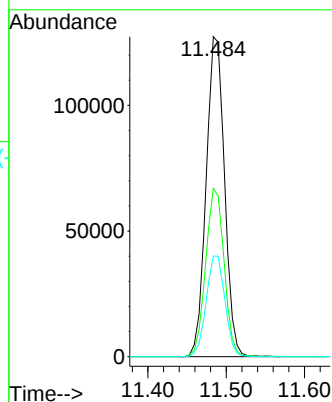
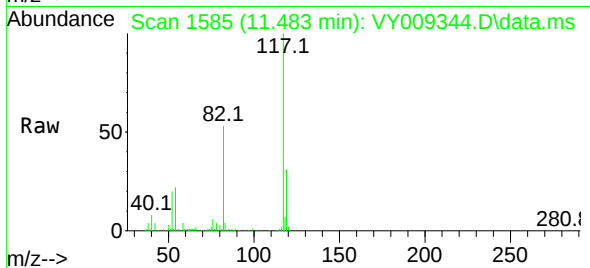




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

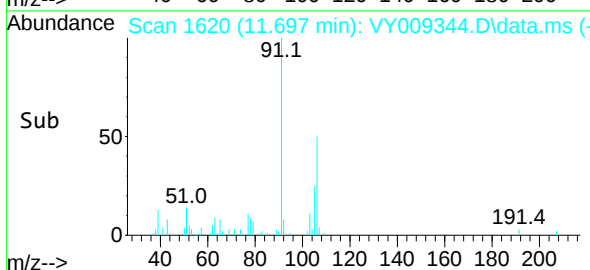
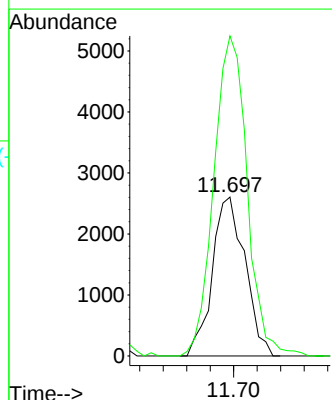
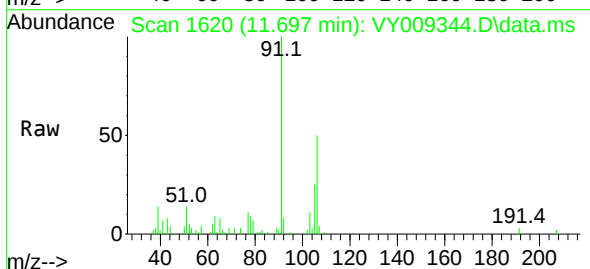
Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

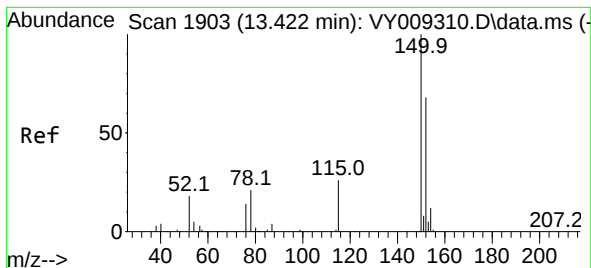
Tgt Ion:117 Resp: 207309
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 31.4 25.6 38.4



#68
m/p-Xylenes
Concen: 1.765 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion:106 Resp: 5037
Ion Ratio Lower Upper
106 100
91 205.4 156.2 234.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

Instrument :

MSVOA_Y

ClientSampleId :

B2201-35

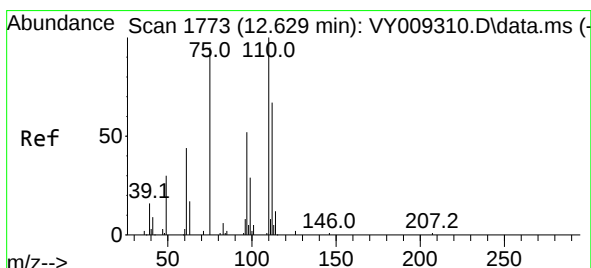
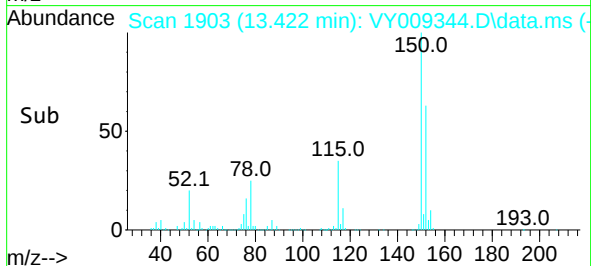
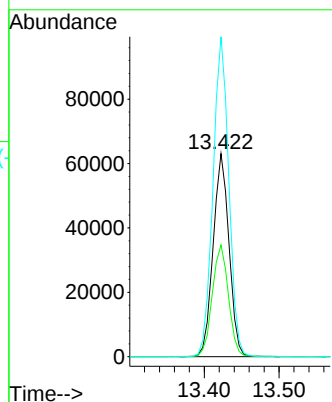
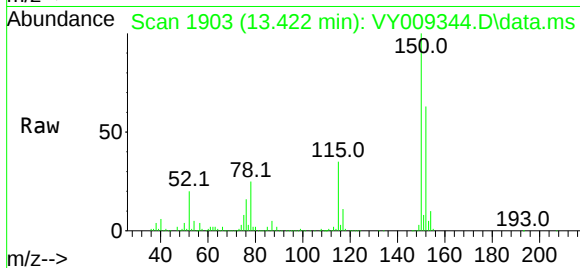
Tgt Ion:152 Resp: 92961

Ion Ratio Lower Upper

152 100

115 56.1 28.6 85.9

150 157.1 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 48.318 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009344.D

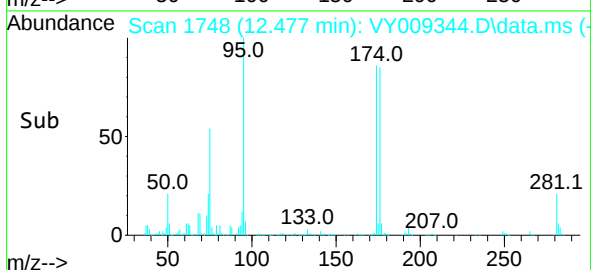
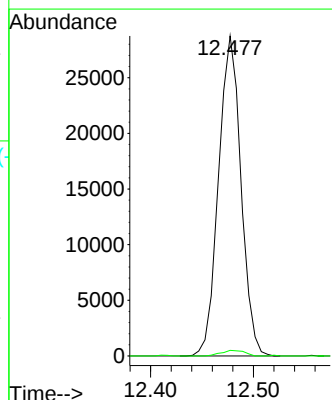
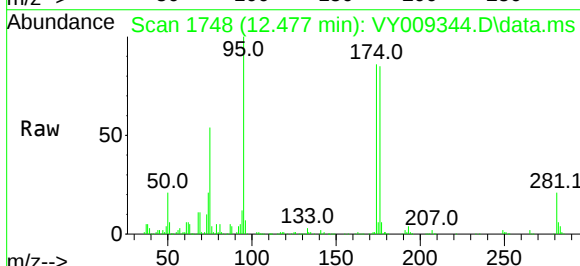
Acq: 27 Jun 2022 15:46

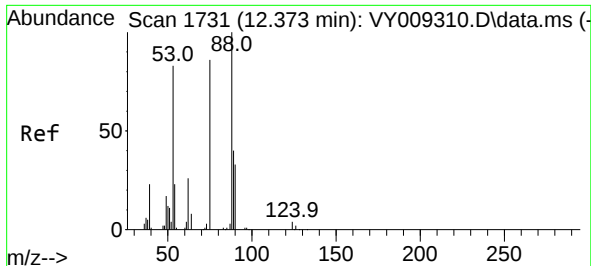
Tgt Ion: 75 Resp: 43588

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

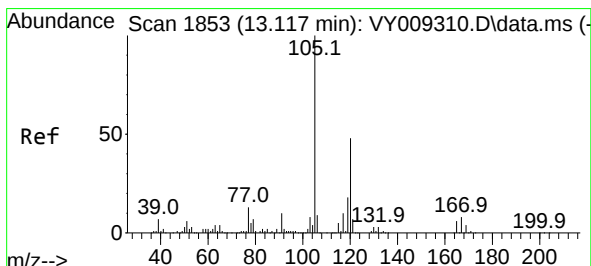
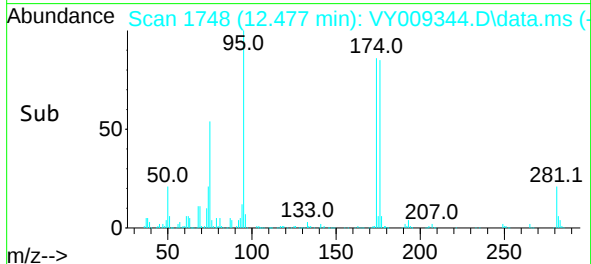
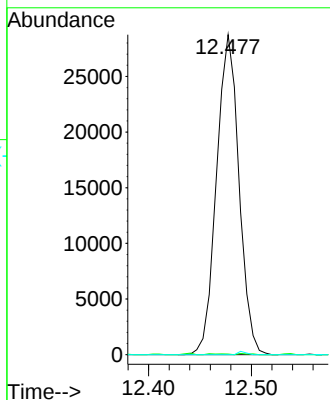
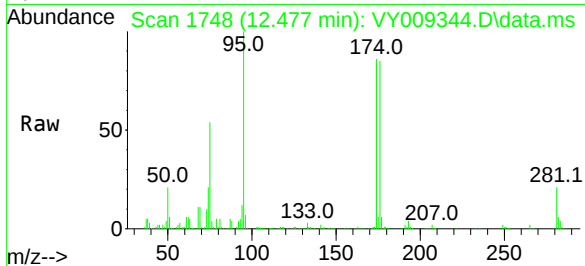




#81
trans-1,4-Dichloro-2-butene
Concen: 95.647 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Instrument :
MSVOA_Y
ClientSampleId :
B2201-35

Tgt Ion: 75 Resp: 43588
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.4 38.1 57.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.302 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009344.D
Acq: 27 Jun 2022 15:46

Tgt Ion: 105 Resp: 6933
Ion Ratio Lower Upper
105 100
120 50.9 23.4 70.3

