

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005576.D
 Acq On : 06 Aug 2021 17:21
 Operator : SY/MD
 Sample : M3308-04
 Misc : 1.19G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 07 06:20:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

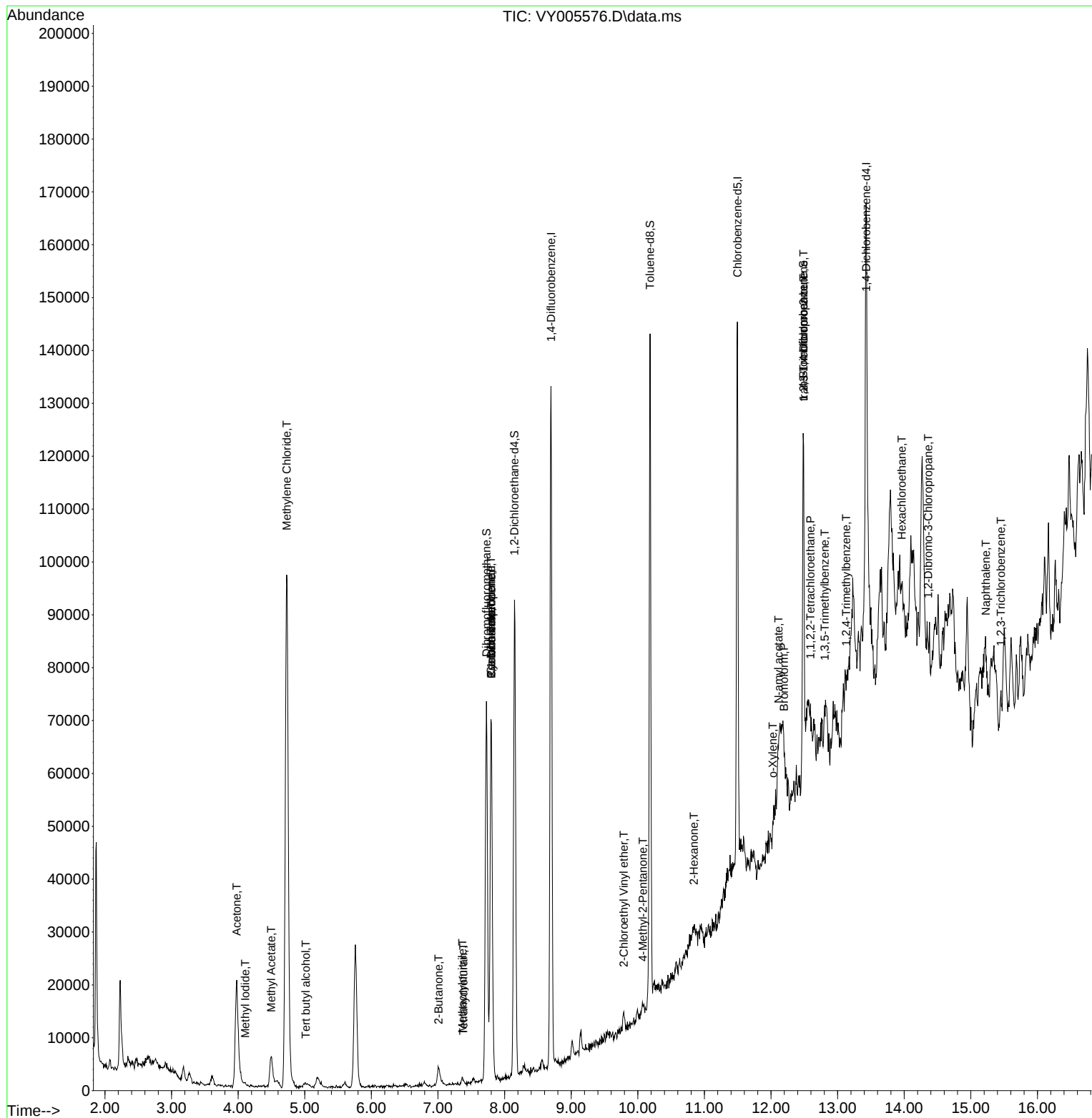
Internal Standards						
1) Pentafluorobenzene	7.801	168	54097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	107888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	52656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	73512	134.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 268.480%#			
35) Dibromofluoromethane	7.728	113	48382	80.097	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 160.200%#			
50) Toluene-d8	10.185	98	80514	31.782	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 63.560%			
62) 4-Bromofluorobenzene	12.483	95	19151	22.829	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 45.660%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.107	142	775	1.347	ug/l #	74
11) Tert butyl alcohol	5.015	59	1585	29.279	ug/l #	73
16) Acetone	3.979	43	43784	317.132	ug/l	94
18) Methyl Acetate	4.497	43	13515	37.429	ug/l	92
20) Methylene Chloride	4.728	84	74257	147.524	ug/l	95
25) 2-Butanone	7.008	43	5781	28.327	ug/l	94
29) Tetrahydrofuran	7.380	42	376	2.786	ug/l #	41
31) Cyclohexane	7.801	56	1425	1.517	ug/l #	54
36) 1,1-Dichloropropene	7.801	75	4227	4.177	ug/l #	51
38) Carbon Tetrachloride	7.795	117	5090	4.628	ug/l #	16
41) Methacrylonitrile	7.368	41	549	1.651	ug/l #	100
51) 4-Methyl-2-Pentanone	10.075	43	1270	2.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	734	1.769	ug/l #	85
59) 2-Hexanone	10.843	43	1648	3.815	ug/l	90
69) o-Xylene	12.026	106	853	1.189	ug/l	34
71) Bromoform	12.197	173	260	1.005	ug/l #	80
74) N-amyl acetate	12.111	43	1659	4.944	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.593	83	458	2.136	ug/l #	92
76) 1,2,3-Trichloropropane	12.489	75	10247	61.925	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	966	1.044	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.489	75	10247	124.833	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.129	105	1987	2.177	ug/l	98
90) Hexachloroethane	13.965	117	221	1.196	ug/l	81
92) 1,2-Dibromo-3-Chloropr...	14.361	75	110	2.707	ug/l #	43
95) Naphthalene	15.227	128	645	1.009	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.452	180	554	1.929	ug/l #	35

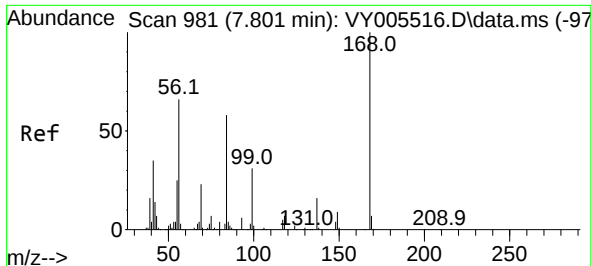
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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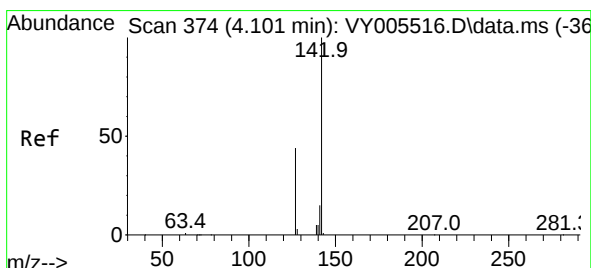
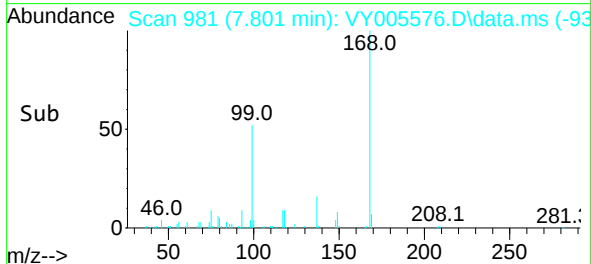
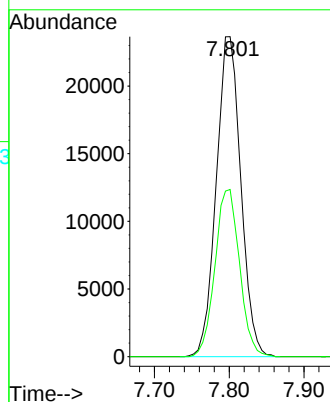
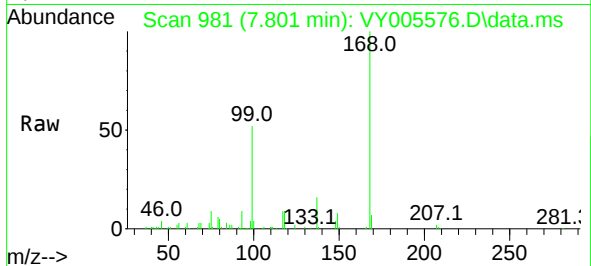




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

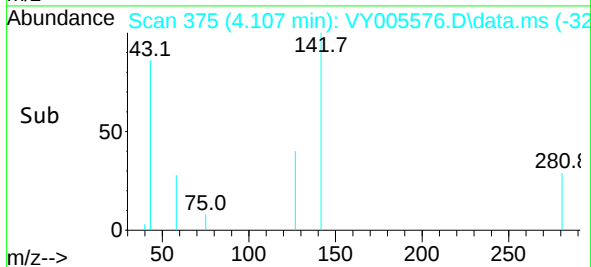
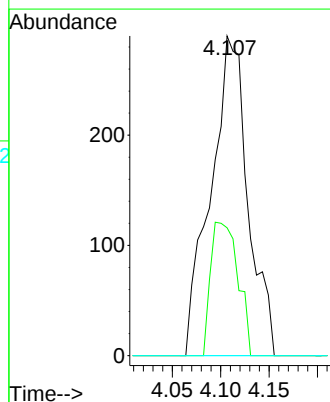
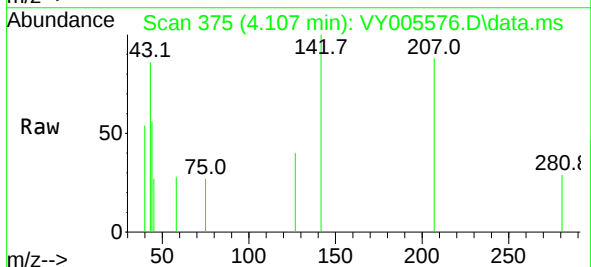
Instrument :
MSVOA_Y
ClientSampleId :

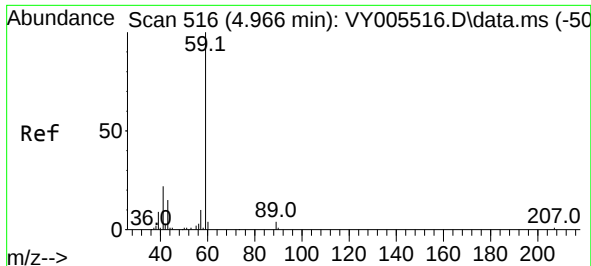
Tgt Ion:168 Resp: 54097
Ion Ratio Lower Upper
168 100
99 52.2 38.9 58.3



#10
Methyl Iodide
Concen: 1.347 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:142 Resp: 775
Ion Ratio Lower Upper
142 100
127 30.6 36.6 54.8#
141 0.0 12.2 18.4#

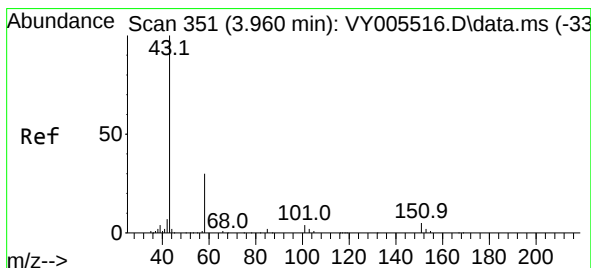
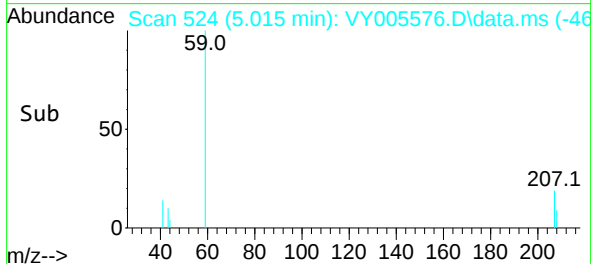
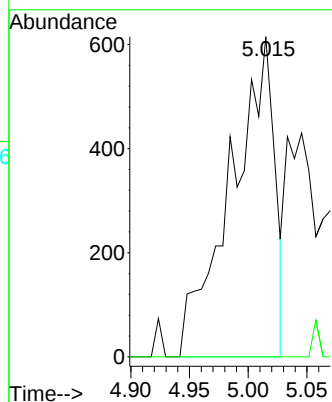
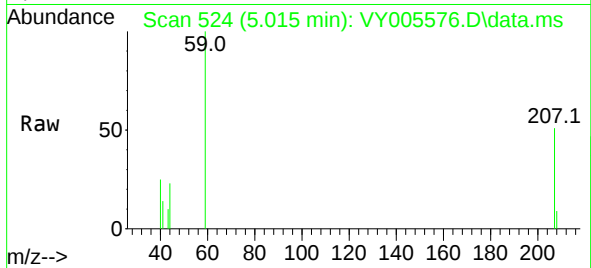




#11
Tert butyl alcohol
Concen: 29.279 ug/l
RT: 5.015 min Scan# 524
Delta R.T. 0.049 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

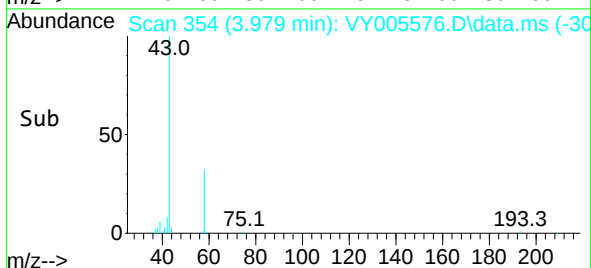
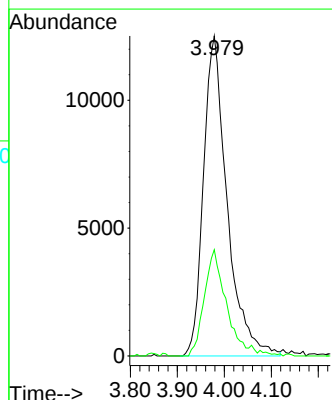
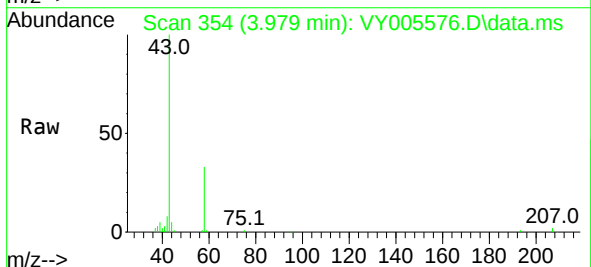
Instrument :
MSVOA_Y
ClientSampleId :

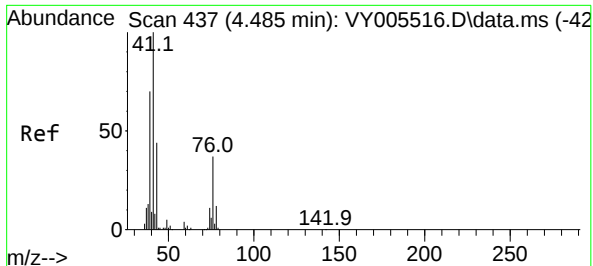
Tgt Ion: 59 Resp: 1585
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 317.132 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 43 Resp: 43784
Ion Ratio Lower Upper
43 100
58 33.2 23.8 35.6





#18

Methyl Acetate

Concen: 37.429 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY005576.D

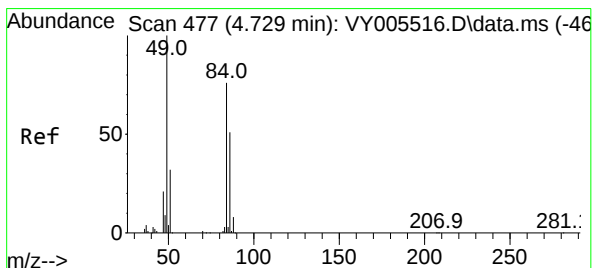
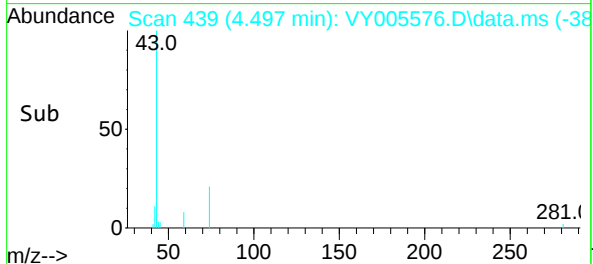
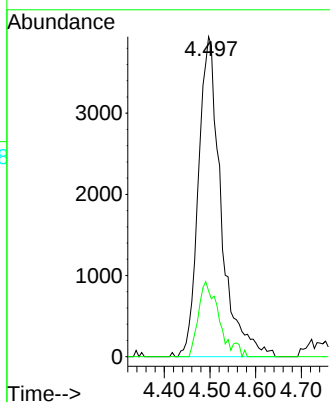
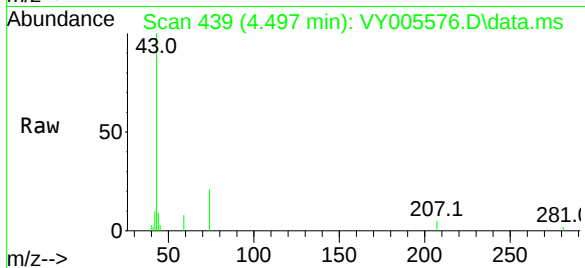
Acq: 06 Aug 2021 17:21

Tgt Ion: 43 Resp: 13515

Ion Ratio Lower Upper

43 100

74 20.0 19.0 28.6



#20

Methylene Chloride

Concen: 147.524 ug/l

RT: 4.728 min Scan# 477

Delta R.T. -0.001 min

Lab File: VY005576.D

Acq: 06 Aug 2021 17:21

Tgt Ion: 84 Resp: 74257

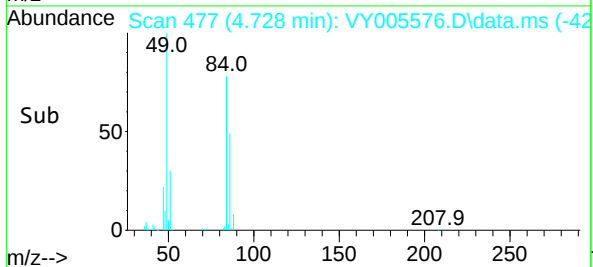
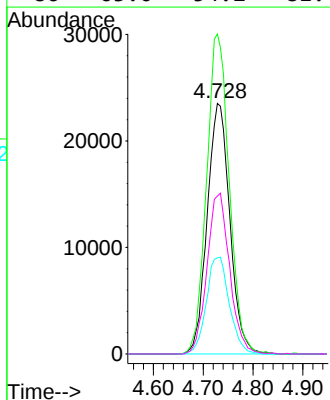
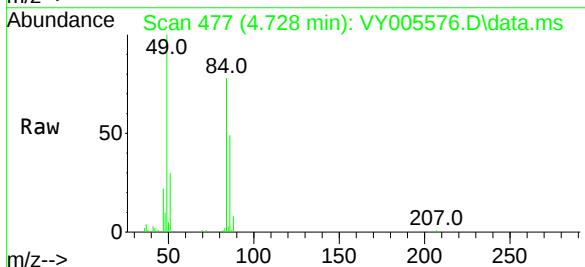
Ion Ratio Lower Upper

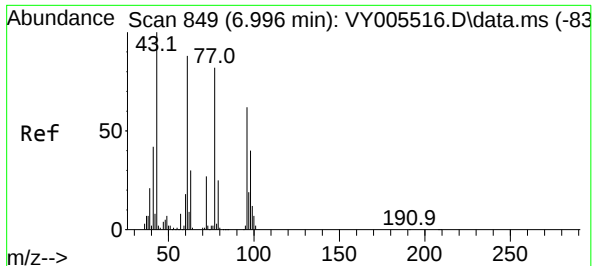
84 100

49 127.7 105.8 158.6

51 38.4 33.4 50.2

86 63.0 54.2 81.4





#25

2-Butanone

Concen: 28.327 ug/l

RT: 7.008 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY005576.D

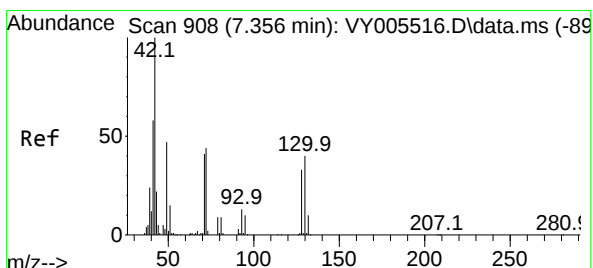
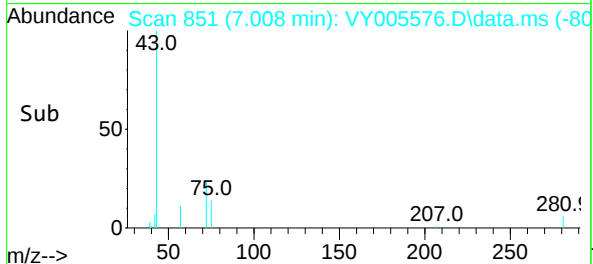
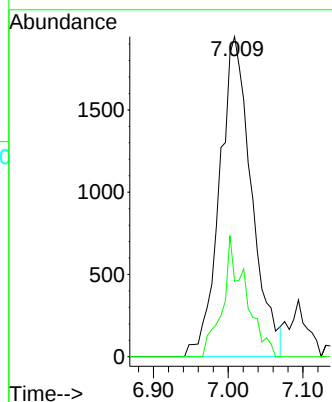
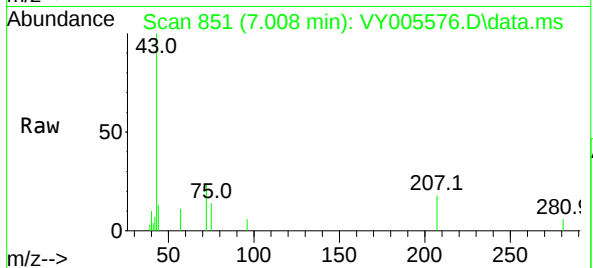
Acq: 06 Aug 2021 17:21

Tgt Ion: 43 Resp: 5781

Ion Ratio Lower Upper

43 100

72 23.5 21.4 32.2



#29

Tetrahydrofuran

Concen: 2.786 ug/l

RT: 7.380 min Scan# 912

Delta R.T. 0.024 min

Lab File: VY005576.D

Acq: 06 Aug 2021 17:21

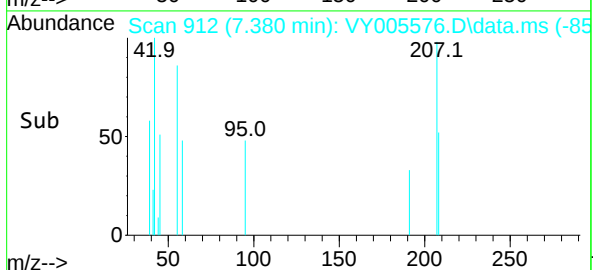
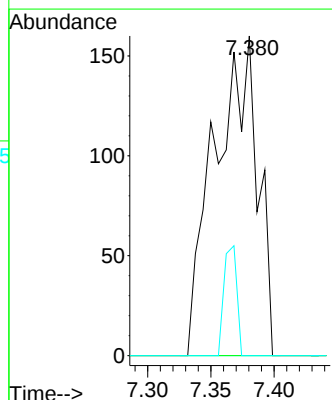
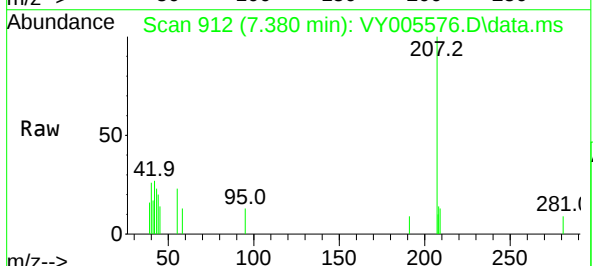
Tgt Ion: 42 Resp: 376

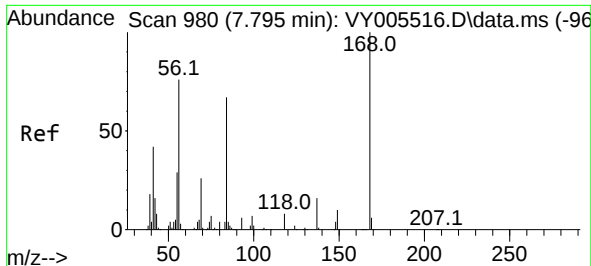
Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

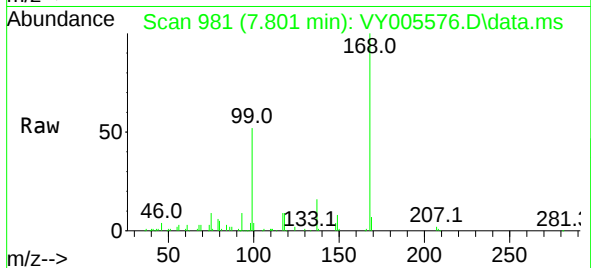
71 10.4 33.3 49.9#



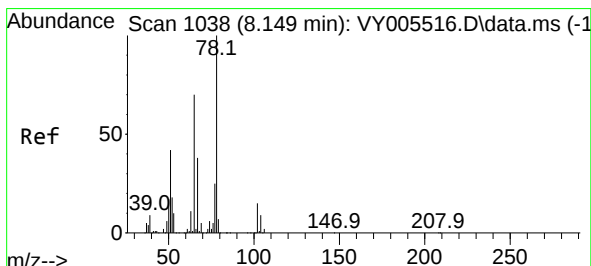
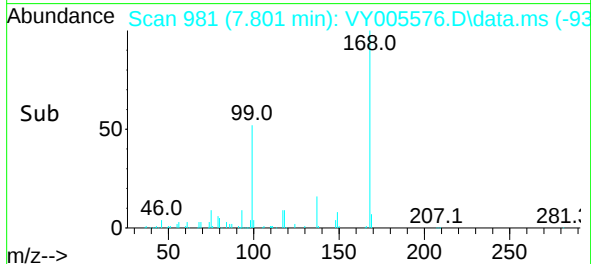
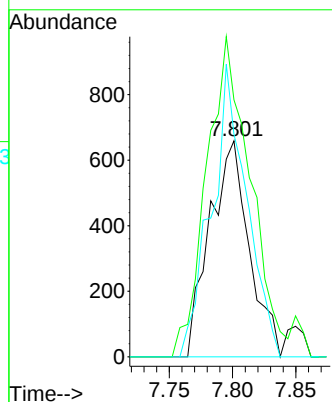


#31
Cyclohexane
Concen: 1.517 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Instrument :
MSVOA_Y
ClientSampled :

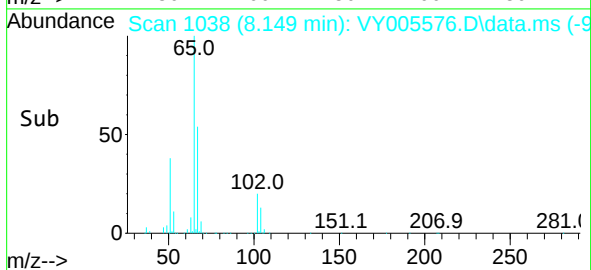
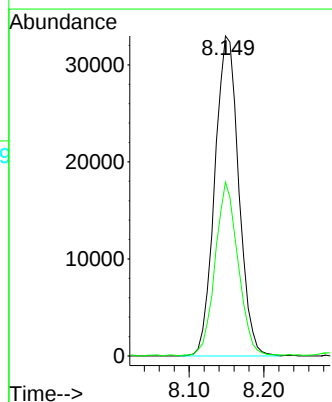
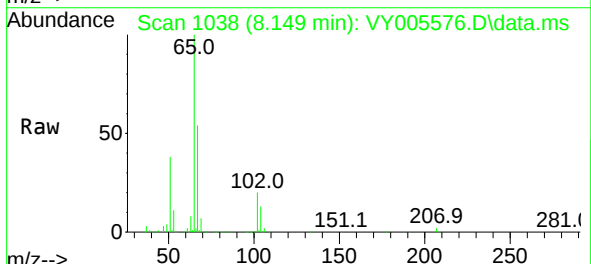


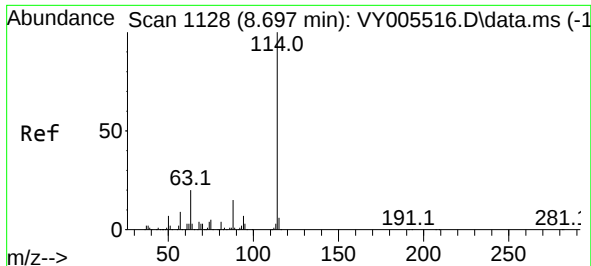
Tgt Ion: 56 Resp: 1425
Ion Ratio Lower Upper
56 100
69 107.3 27.7 41.5#
84 103.0 70.9 106.3



#33
1,2-Dichloroethane-d4
Concen: 134.245 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 65 Resp: 73512
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

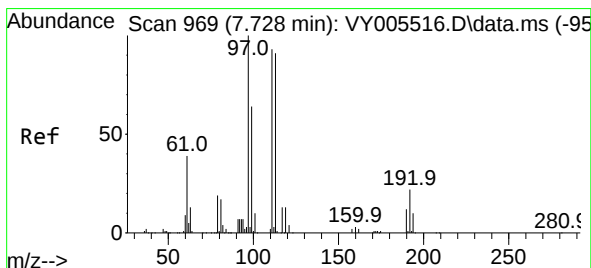
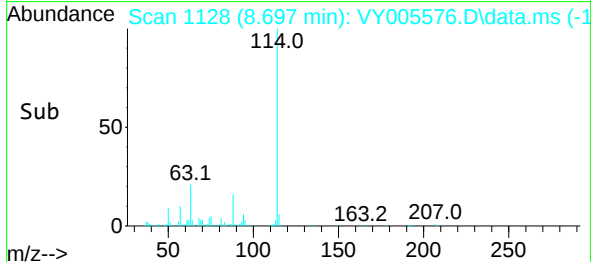
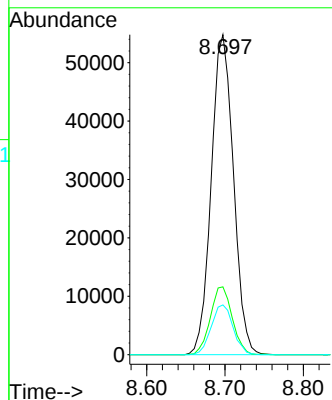
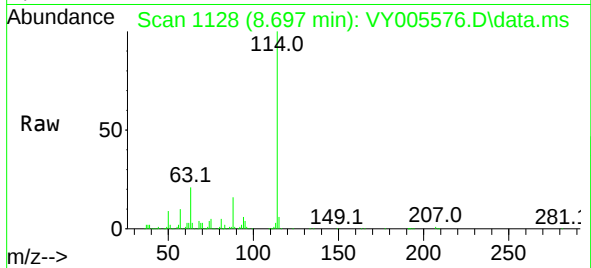




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

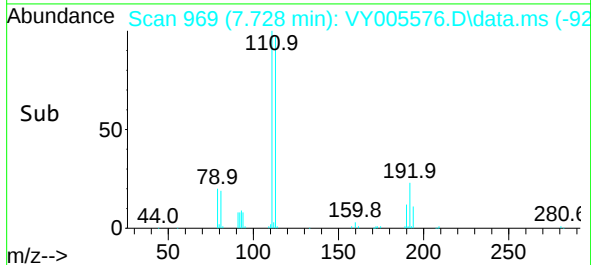
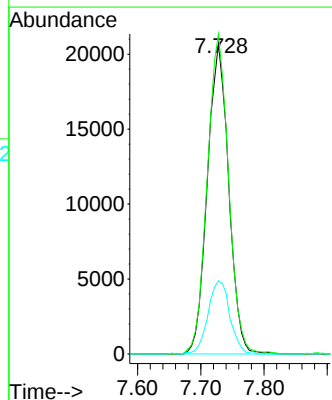
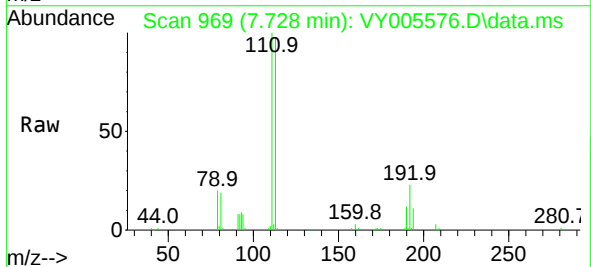
Instrument :
MSVOA_Y
ClientSampleId :

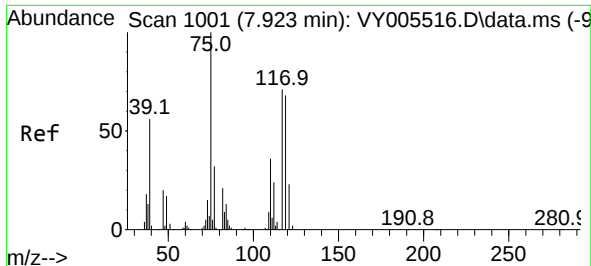
Tgt Ion:114 Resp: 107888
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.2
88 15.6 0.0 30.8



#35
Dibromofluoromethane
Concen: 80.097 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

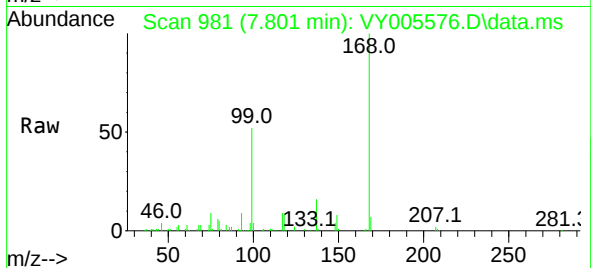
Tgt Ion:113 Resp: 48382
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 24.2 19.2 28.8



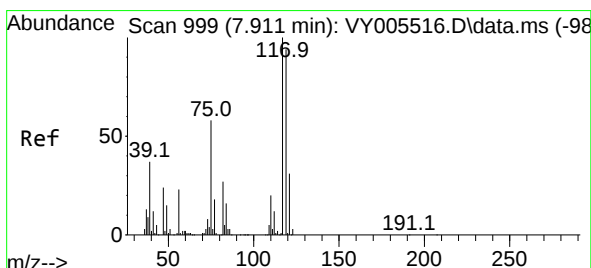
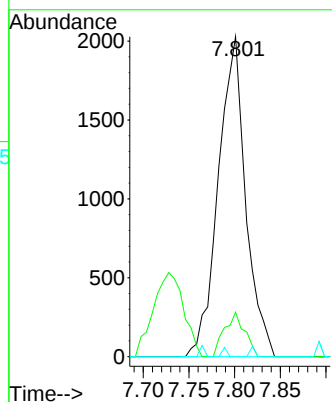
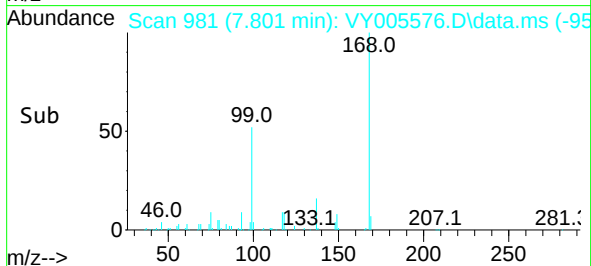


#36
1,1-Dichloropropene
Concen: 4.177 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

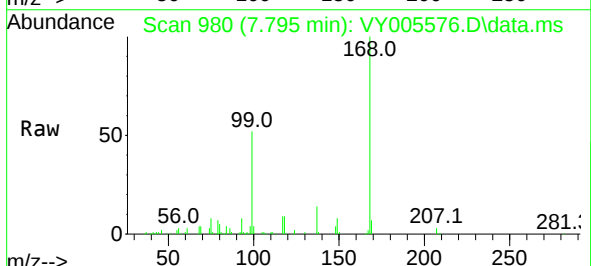
Instrument :
MSVOA_Y
ClientSampleId :



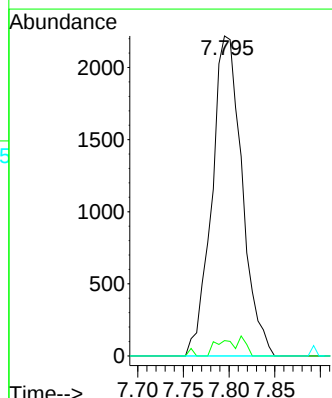
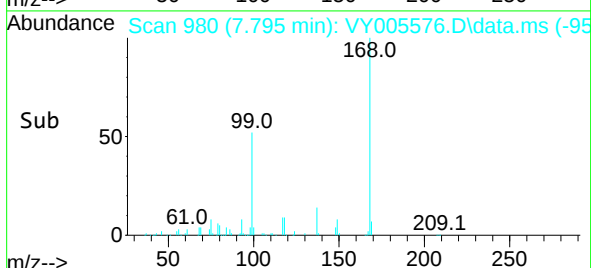
Tgt Ion: 75 Resp: 4227
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.1#
77 0.5 25.1 37.7#

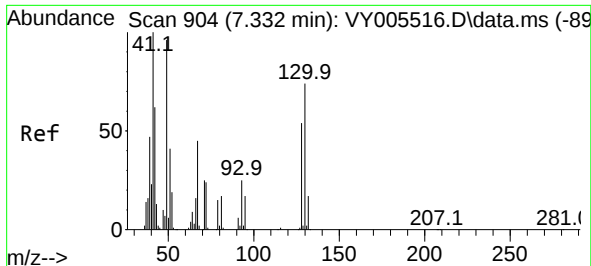


#38
Carbon Tetrachloride
Concen: 4.628 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21



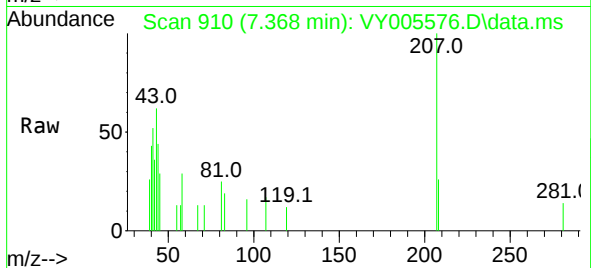
Tgt Ion: 117 Resp: 5090
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.0#
121 0.0 25.1 37.7#



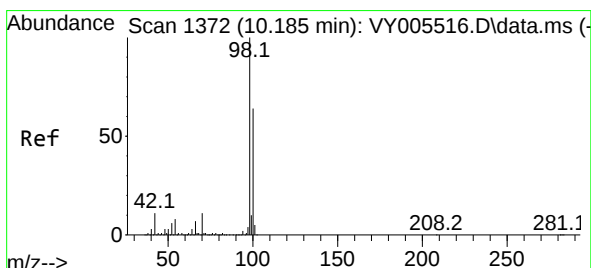
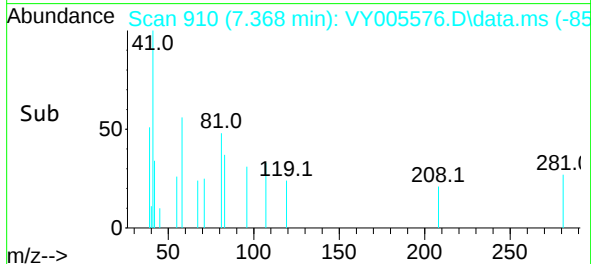
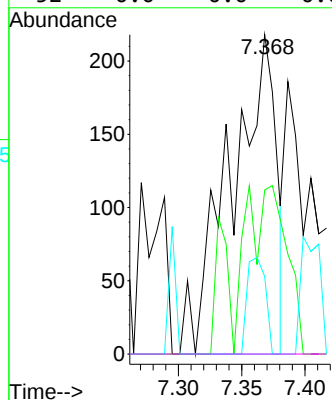


#41
Methacrylonitrile
Concen: 1.651 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.036 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Instrument :
MSVOA_Y
ClientSampled :

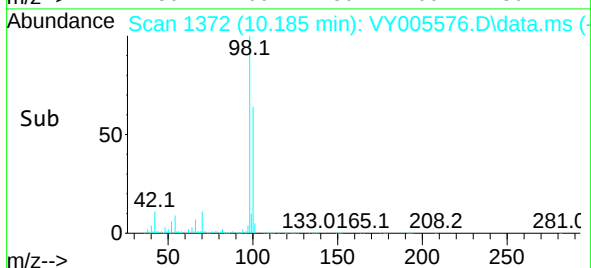
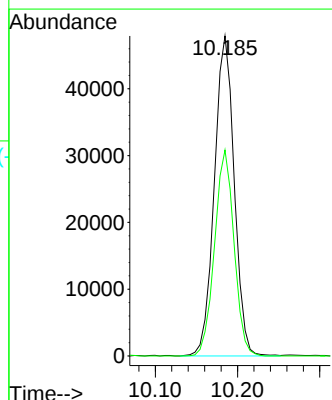
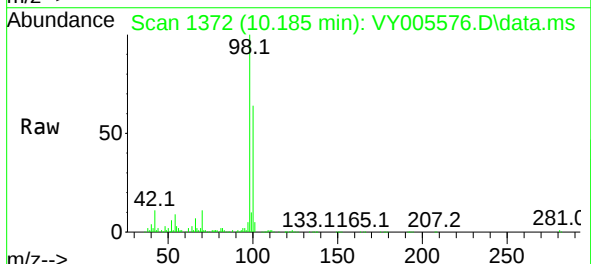


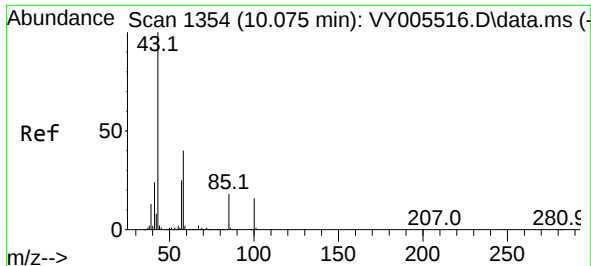
Tgt Ion:	41	Resp:	549
Ion Ratio	Lower	Upper	
41	100		
39	29.3	0.0	0.0#
67	12.2	0.0	0.0#
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 31.782 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:	98	Resp:	80514
Ion Ratio	Lower	Upper	
98	100		
100	62.9	51.3	76.9

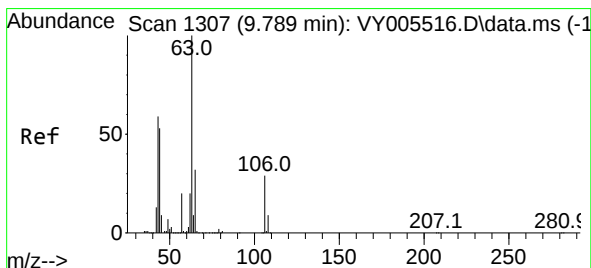
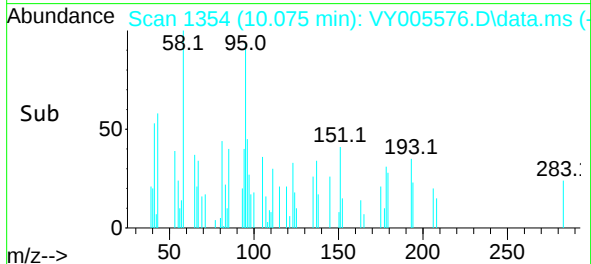
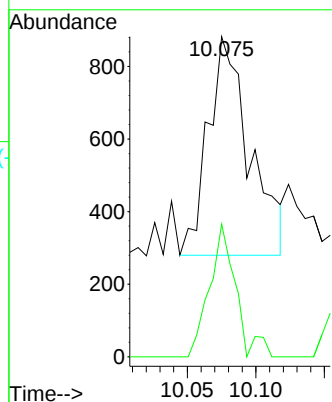
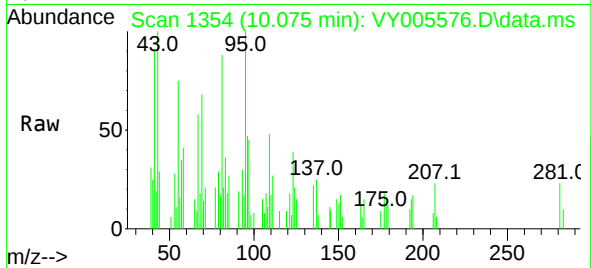




#51
4-Methyl-2-Pentanone
Concen: 2.078 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

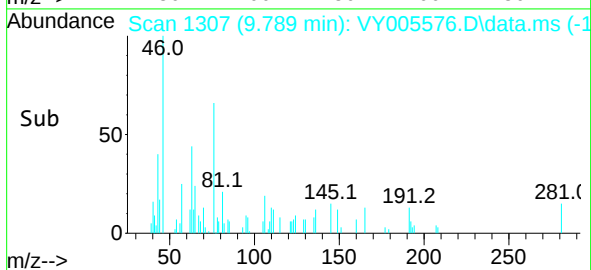
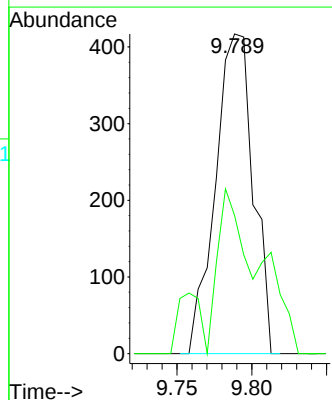
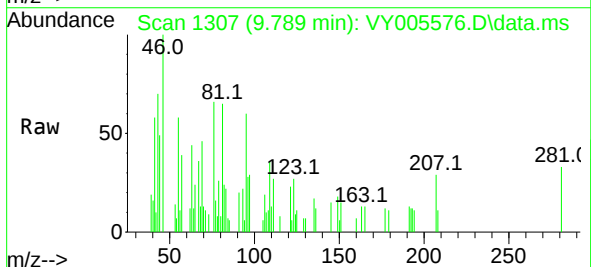
Instrument :
MSVOA_Y
ClientSampleId :

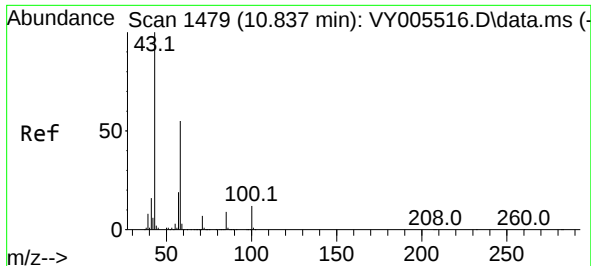
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
58 38.6 31.4 47.2



#58
2-Chloroethyl Vinyl ether
Concen: 1.769 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 63 Resp: 734
Ion Ratio Lower Upper
63 100
106 36.9 23.1 34.7#

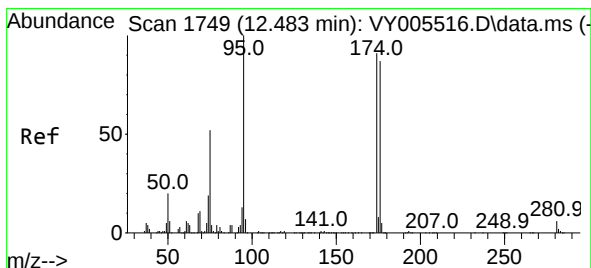
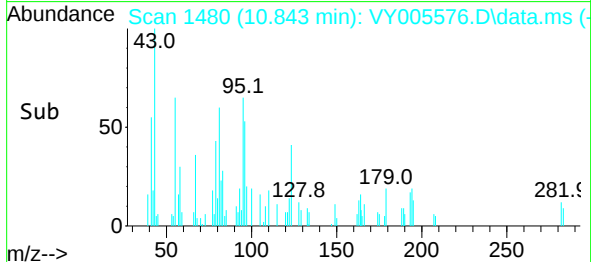
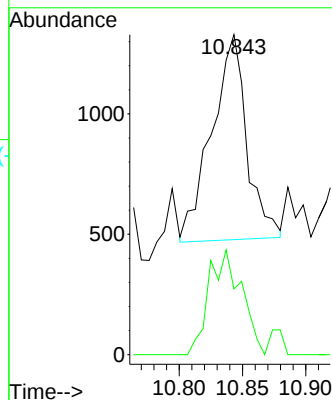
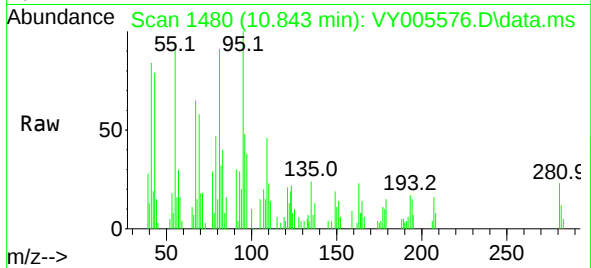




#59
2-Hexanone
Concen: 3.815 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

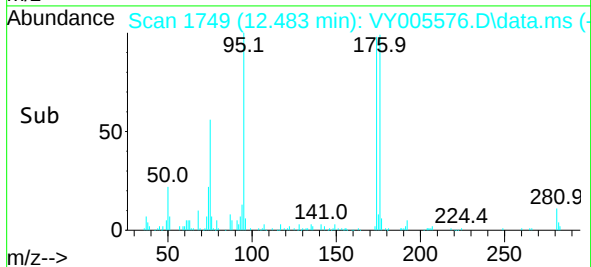
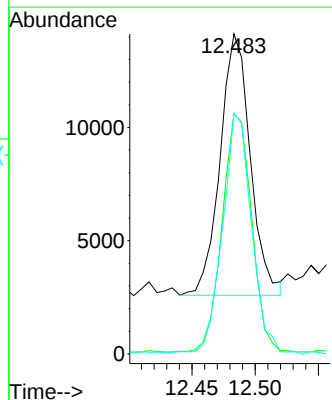
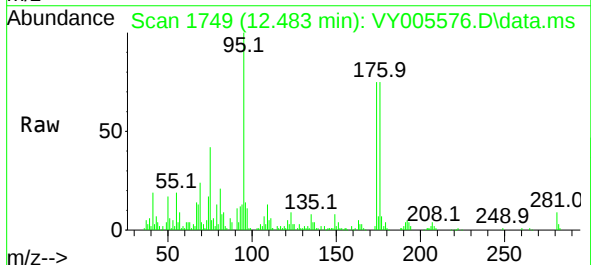
Instrument :
MSVOA_Y
ClientSampled :

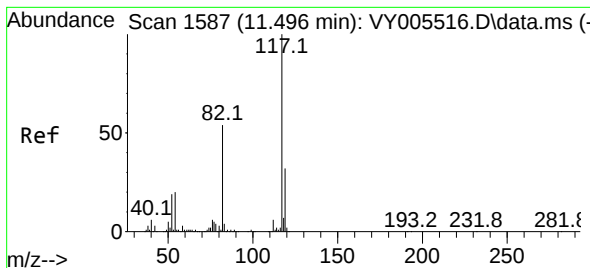
Tgt Ion: 43 Resp: 1648
Ion Ratio Lower Upper
43 100
58 47.1 27.1 81.2



#62
4-Bromofluorobenzene
Concen: 22.829 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 95 Resp: 19151
Ion Ratio Lower Upper
95 100
174 88.7 0.0 191.4
176 88.6 0.0 183.6

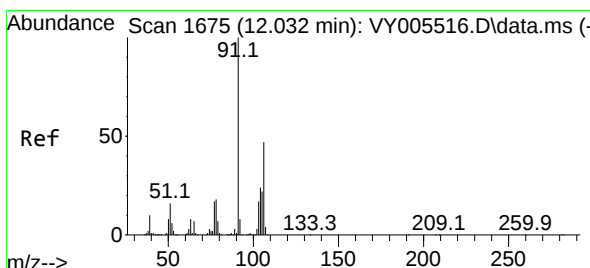
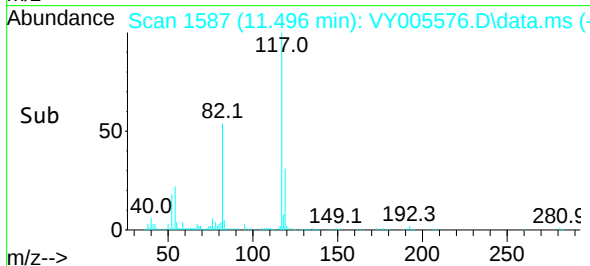
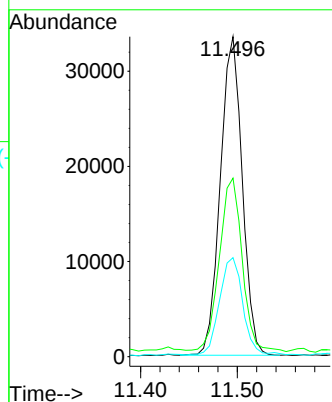
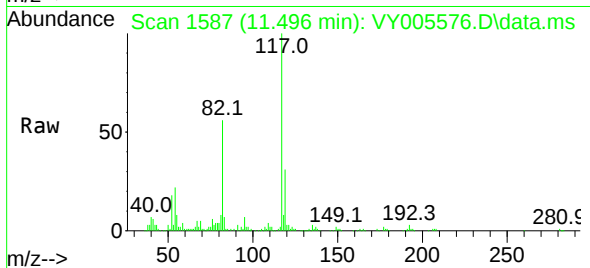




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

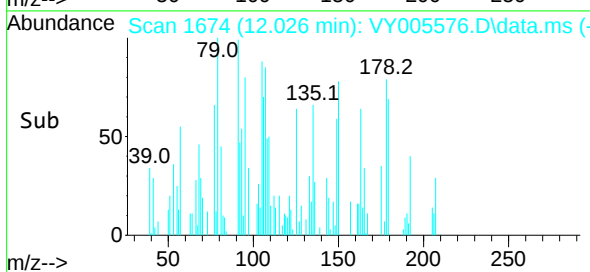
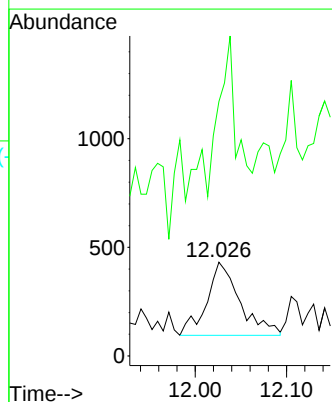
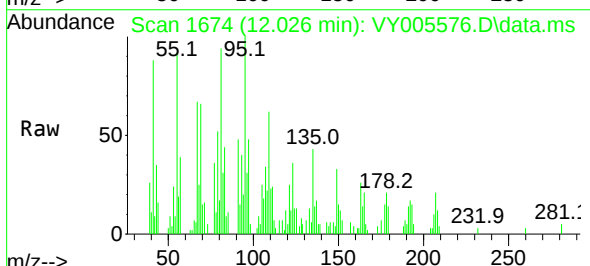
Instrument :
MSVOA_Y
ClientSampleId :

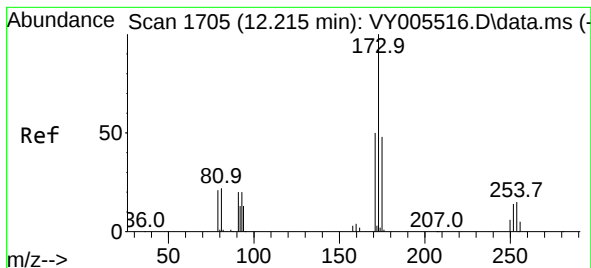
Tgt Ion:	117	Resp:	52656
Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.5	65.3
119	30.3	25.5	38.3



#69
o-Xylene
Concen: 1.189 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:	106	Resp:	853
Ion	Ratio	Lower	Upper
106	100		
91	108.3	106.2	318.6





#71

Bromoform

Concen: 1.005 ug/l

RT: 12.197 min Scan# 1702

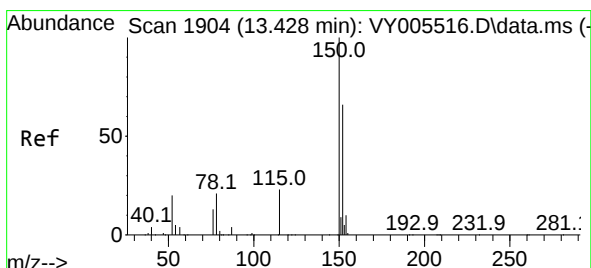
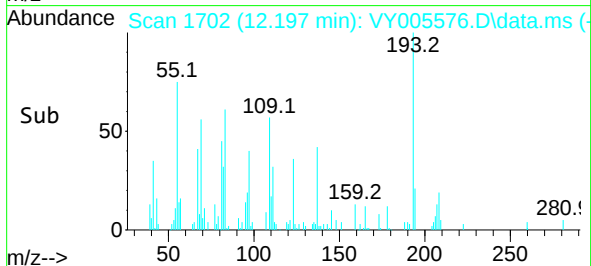
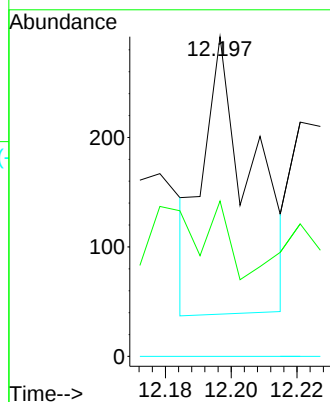
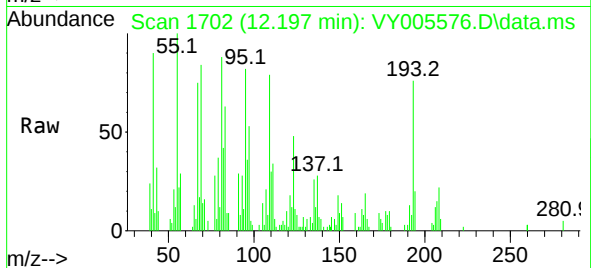
Delta R.T. -0.018 min

Lab File: VY005576.D

Acq: 06 Aug 2021 17:21

Tgt Ion:	173	Resp:	260
Ion Ratio	Lower	Upper	
173	100		
175	35.0	24.3	72.9
254	0.0	0.2	0.2#

Instrument :
MSVOA_Y
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

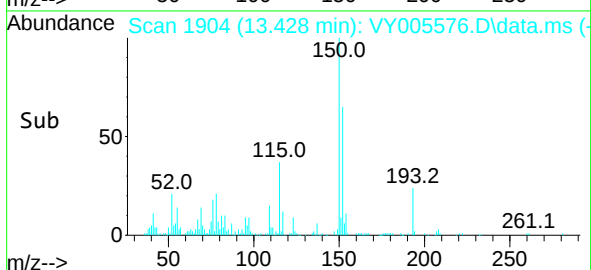
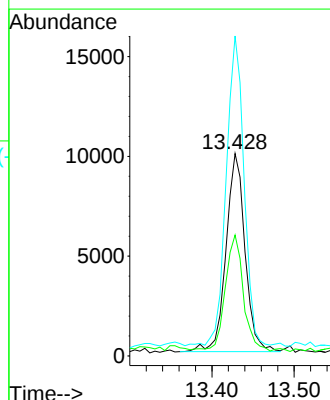
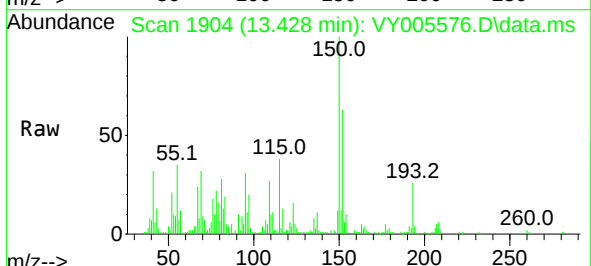
RT: 13.428 min Scan# 1904

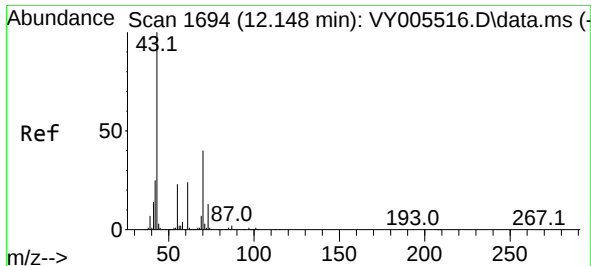
Delta R.T. -0.000 min

Lab File: VY005576.D

Acq: 06 Aug 2021 17:21

Tgt Ion:	152	Resp:	15968
Ion Ratio	Lower	Upper	
152	100		
115	55.7	27.3	81.9
150	144.8	0.0	350.2

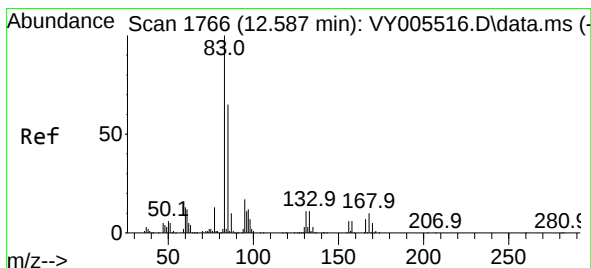
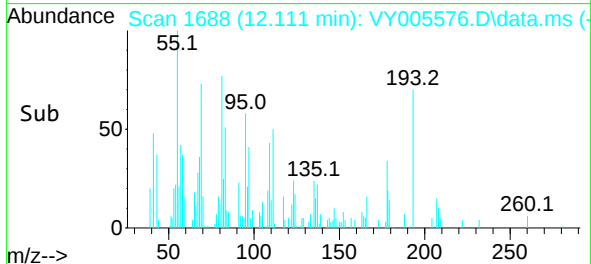
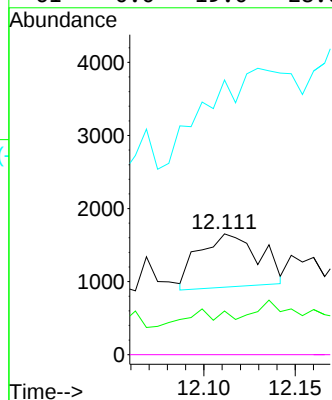
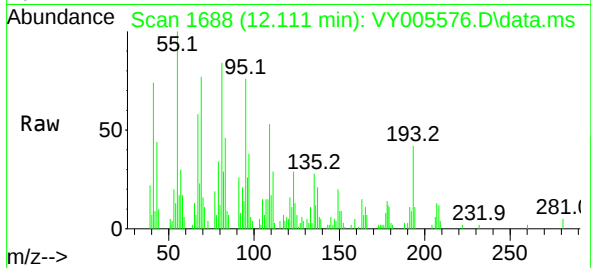




#74
N-amy1 acetate
Concen: 4.944 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

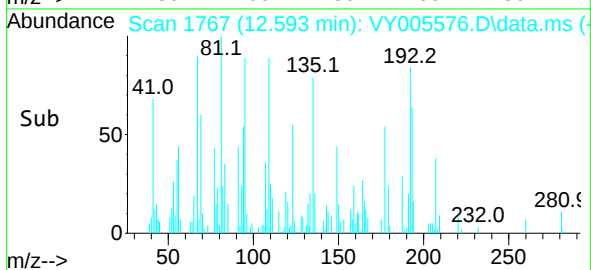
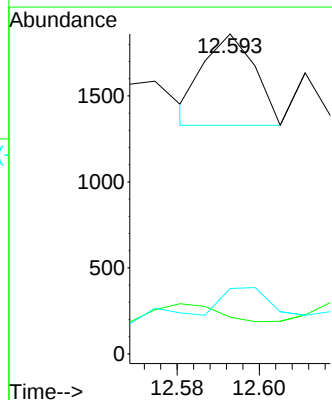
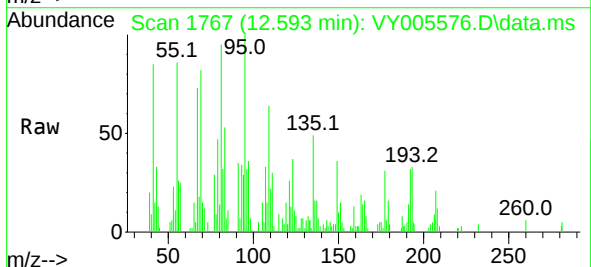
Instrument :
MSVOA_Y
ClientSampleId :

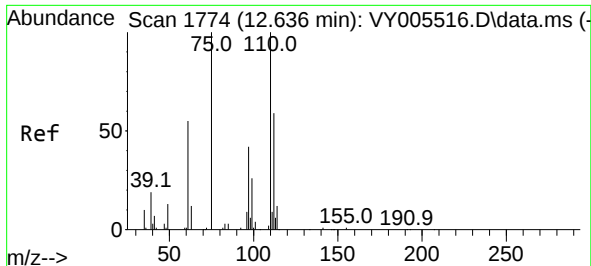
Tgt Ion:	43	Resp:	1659
Ion	Ratio	Lower	Upper
43	100		
70	15.6	32.9	49.3#
55	0.0	18.9	28.3#
61	0.0	19.0	28.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.136 ug/l
RT: 12.593 min Scan# 1767
Delta R.T. 0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:	83	Resp:	458
Ion	Ratio	Lower	Upper
83	100		
131	23.8	5.6	16.8#
85	67.2	32.0	96.2

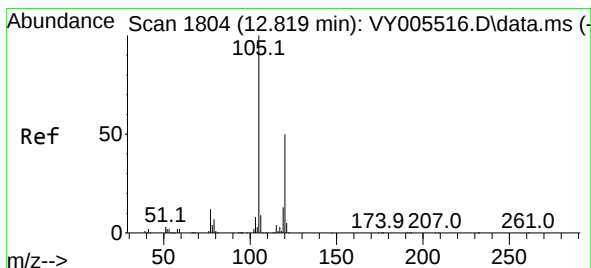
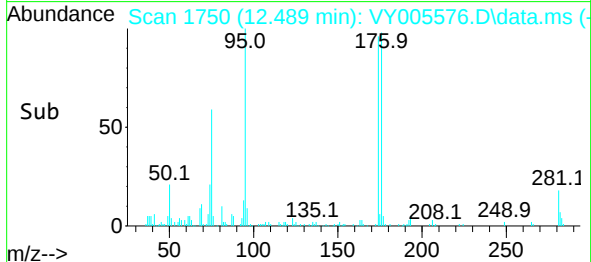
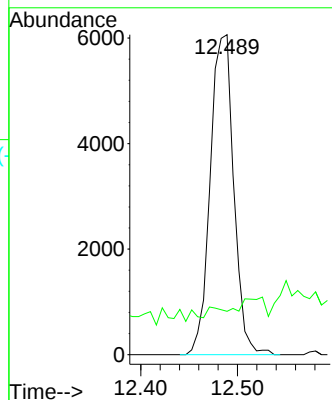
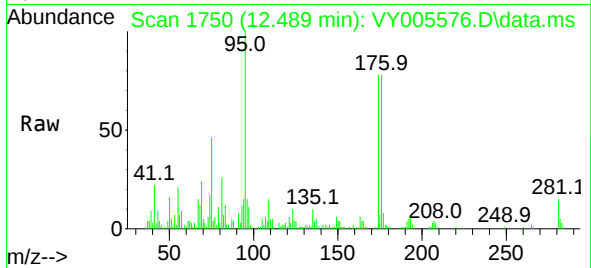




#76
1,2,3-Trichloropropane
Concen: 61.925 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

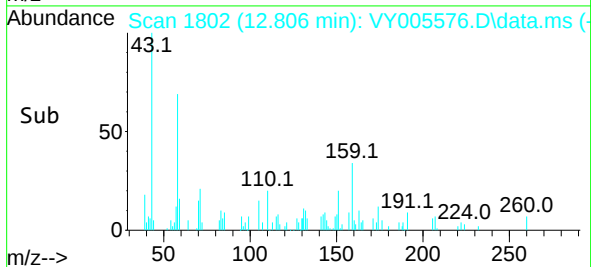
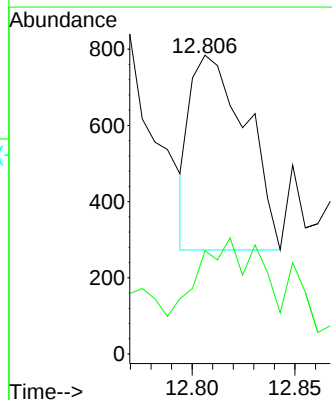
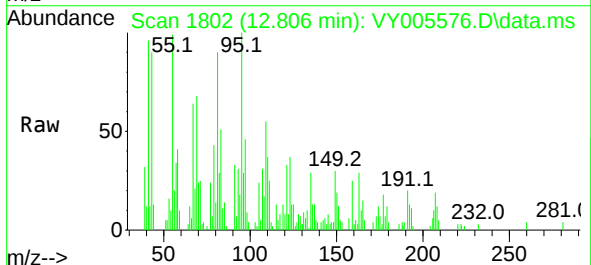
Instrument :
MSVOA_Y
ClientSampleId :

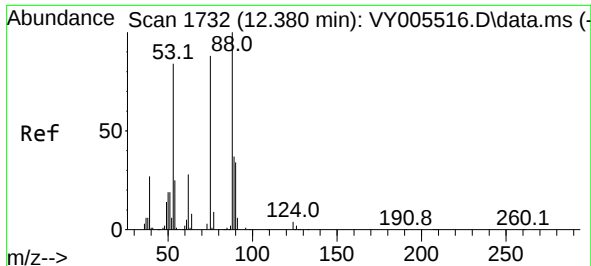
Tgt Ion: 75 Resp: 10247
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.044 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.012 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 105 Resp: 966
Ion Ratio Lower Upper
105 100
120 40.3 25.0 75.0

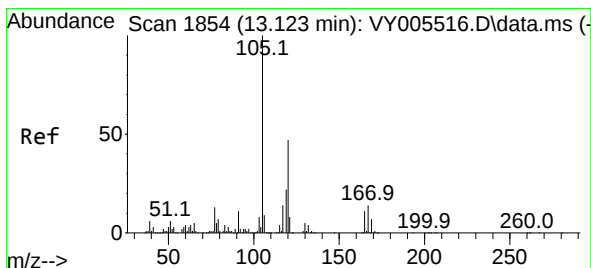
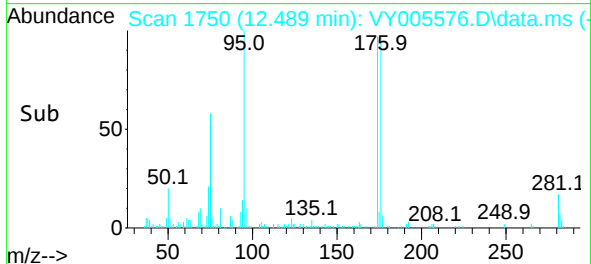
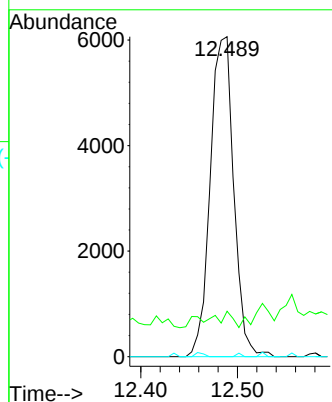
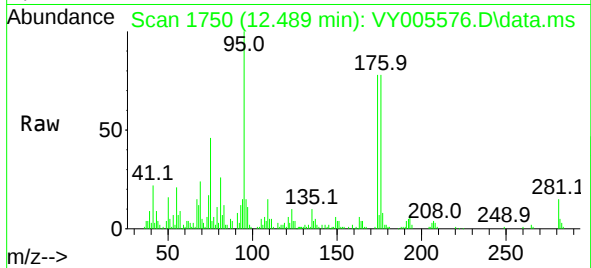




#81
trans-1,4-Dichloro-2-butene
Concen: 124.833 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

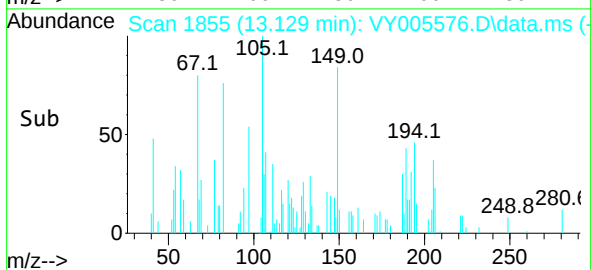
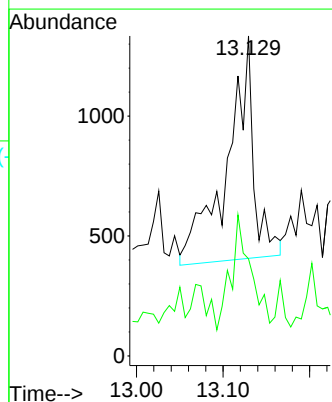
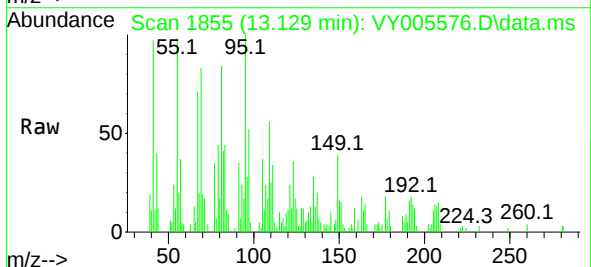
Instrument :
MSVOA_Y
ClientSampleId :

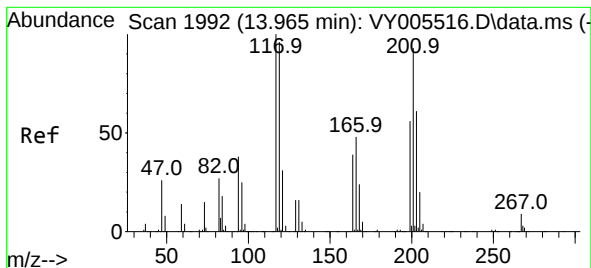
Tgt Ion: 75 Resp: 10247
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.2 38.4 57.6#



#84
1,2,4-Trimethylbenzene
Concen: 2.177 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:105 Resp: 1987
Ion Ratio Lower Upper
105 100
120 47.0 22.9 68.5

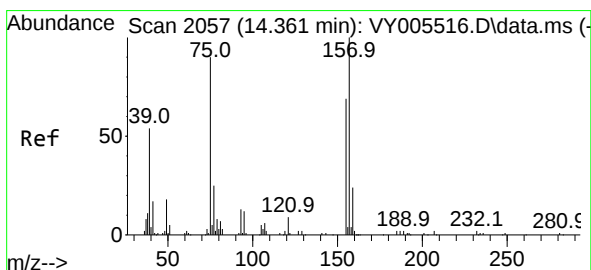
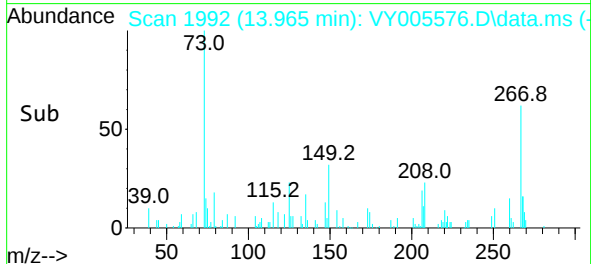
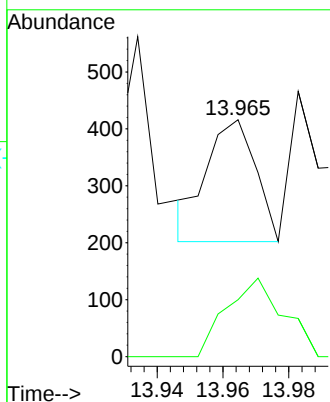
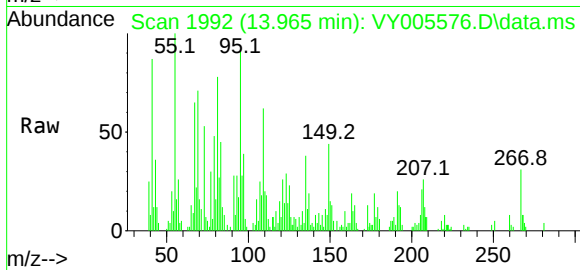




#90
Hexachloroethane
Concen: 1.196 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

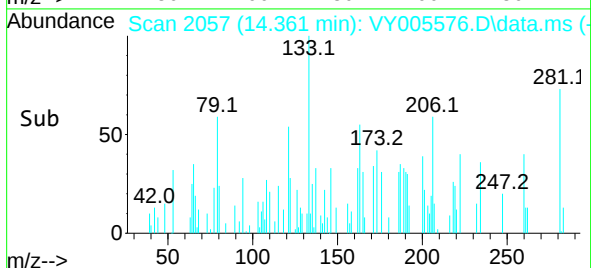
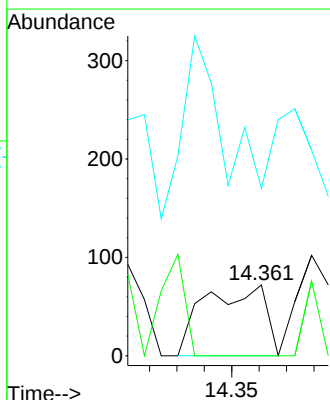
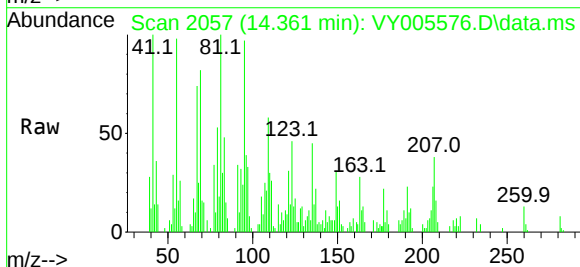
Instrument :
MSVOA_Y
ClientSampleId :

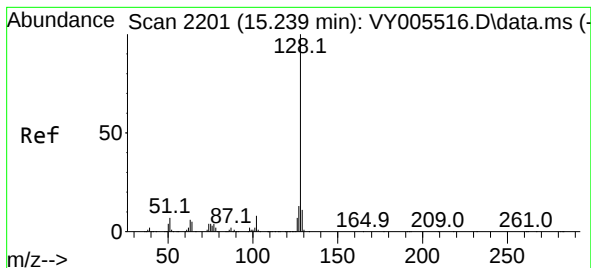
Tgt Ion:117 Resp: 221
Ion Ratio Lower Upper
117 100
201 75.1 46.7 140.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.707 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion: 75 Resp: 110
Ion Ratio Lower Upper
75 100
155 25.5 42.4 127.1#
157 166.4 56.0 168.2

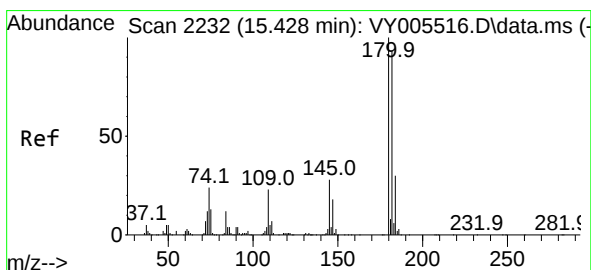
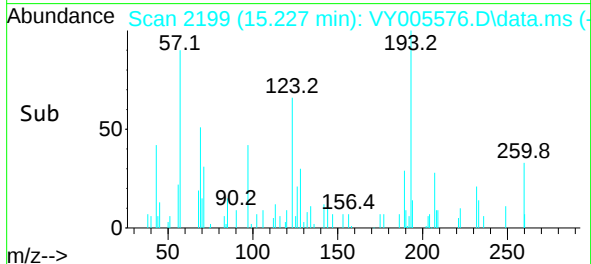
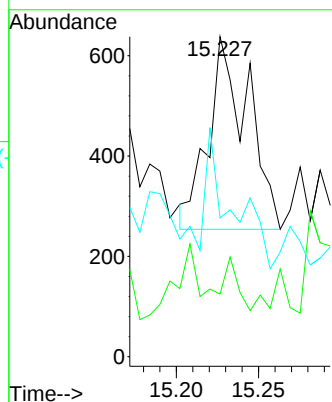
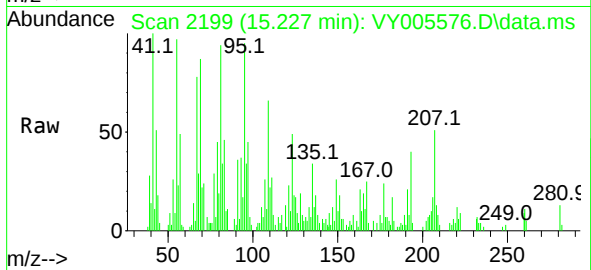




#95
Naphthalene
Concen: 1.009 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 645
Ion Ratio Lower Upper
128 100
127 8.1 10.6 15.8#
129 20.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.929 ug/l
RT: 15.452 min Scan# 2236
Delta R.T. 0.024 min
Lab File: VY005576.D
Acq: 06 Aug 2021 17:21

Tgt Ion:180 Resp: 554
Ion Ratio Lower Upper
180 100
182 29.2 47.9 143.6#
145 0.0 14.6 44.0#

