

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092921\
 Data File : VY006208.D
 Acq On : 29 Sep 2021 13:23
 Operator : SY/MD
 Sample : M3938-06RE
 Misc : 6.39G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 07:00:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

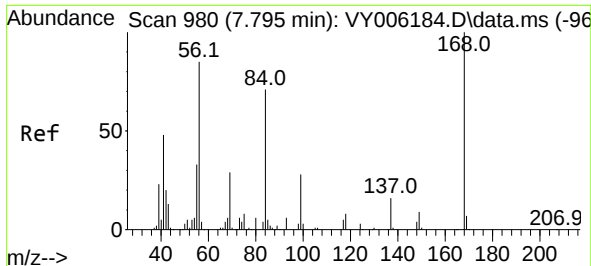
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.801	168	138912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	229022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	215933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	92572	62.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.520%	
35) Dibromofluoromethane	7.728	113	68049	55.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.240%	
50) Toluene-d8	10.185	98	283942	55.448	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.900%	
62) 4-Bromofluorobenzene	12.483	95	129178	74.256	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 148.520%#	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.259	62	3497	1.923	ug/l #	87
11) Tert butyl alcohol	4.966	59	362	2.783	ug/l #	77
13) Acrolein	3.735	56	46	18.943	ug/l #	1
16) Acetone	3.954	43	16454	39.624	ug/l	98
20) Methylene Chloride	4.741	84	2937	Below Cal	#	65
25) 2-Butanone	6.990	43	2540	4.391	ug/l #	6
27) cis-1,2-Dichloroethene	6.996	96	113649	70.351	ug/l	86
31) Cyclohexane	7.789	56	3070	1.090	ug/l #	15
36) 1,1-Dichloropropene	7.795	75	10421	4.573	ug/l #	50
37) Ethyl Acetate	6.990	43	2540	1.913	ug/l #	1
38) Carbon Tetrachloride	7.795	117	13455	5.592	ug/l #	15
44) Trichloroethene	8.947	130	169372	101.441	ug/l	96
49) 1,4-Dioxane	9.325	88	22	1.990	ug/l #	20
55) 1,1,2-Trichloroethane	10.624	97	1641	1.376	ug/l #	24
59) 2-Hexanone	10.807	43	12894	13.695	ug/l #	34
60) Dibromochloromethane	10.721	129	252757	174.468	ug/l #	11
64) Tetrachloroethene	10.721	164	301850	173.574	ug/l	98
73) Isopropylbenzene	12.331	105	20913	2.673	ug/l	100
74) N-amyl acetate	12.124	43	322989	132.997	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.544	83	16707	11.823	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	56578	53.292	ug/l #	100
79) 2-Chlorotoluene	12.806	91	10618	1.992	ug/l	82
81) trans-1,4-Dichloro-2-b...	12.483	75	56578	104.726	ug/l #	22
83) tert-Butylbenzene	13.075	119	19579	3.500	ug/l	89
85) sec-Butylbenzene	13.258	105	69697	8.245	ug/l	78

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

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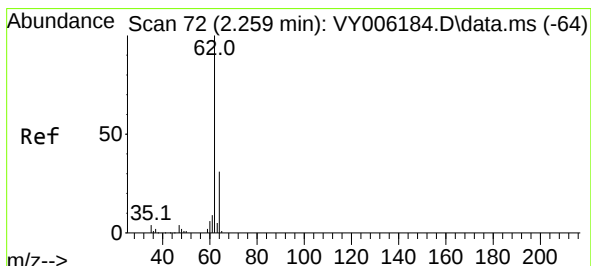
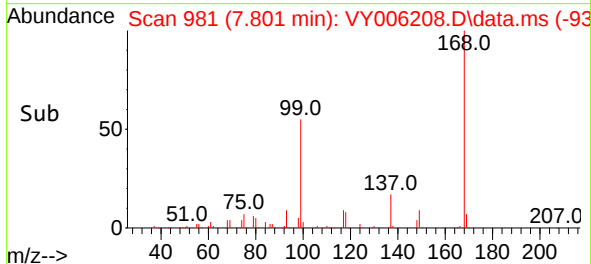
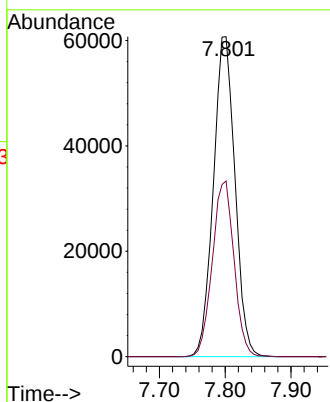
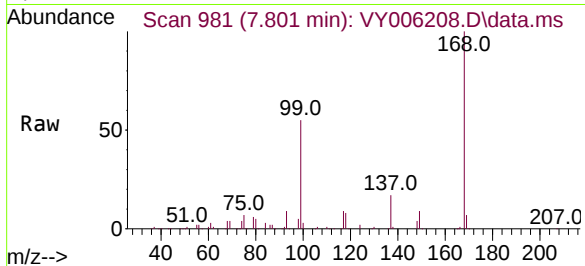




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

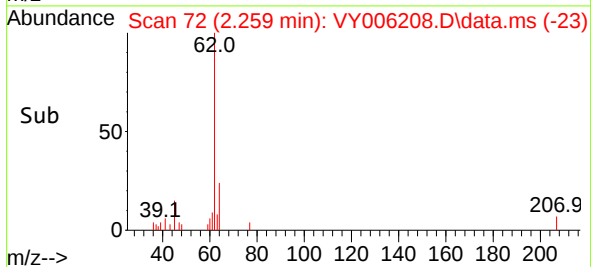
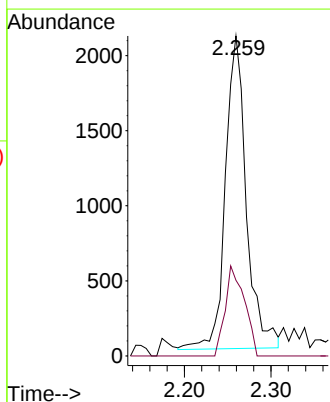
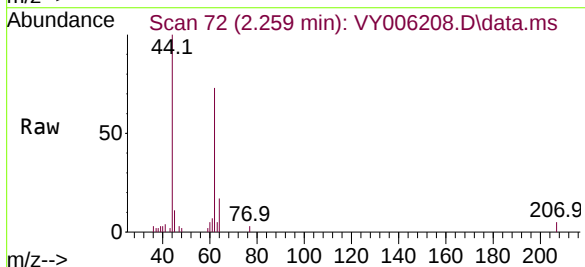
Instrument :
MSVOA_Y
ClientSampled :

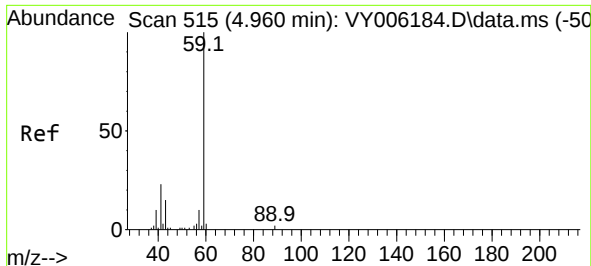
Tgt Ion:168 Resp: 138912
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#4
Vinyl Chloride
Concen: 1.923 ug/l
RT: 2.259 min Scan# 72
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 62 Resp: 3497
Ion Ratio Lower Upper
62 100
64 24.3 25.0 37.6#



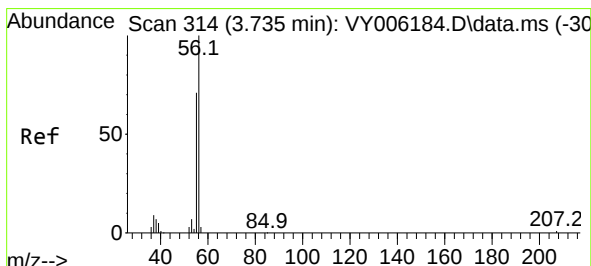
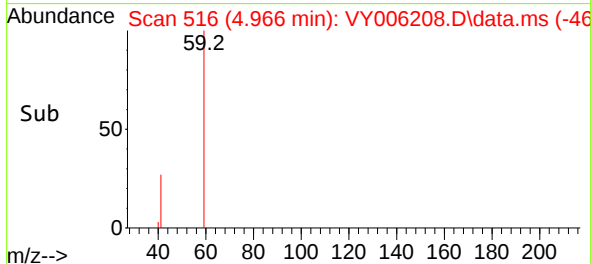
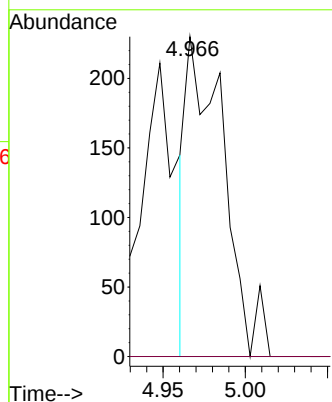
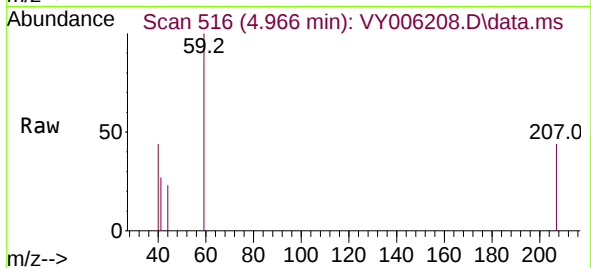


#11

Tert butyl alcohol
Concen: 2.783 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Instrument :
MSVOA_Y
ClientSampled :

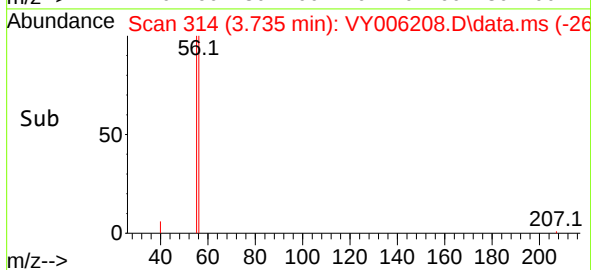
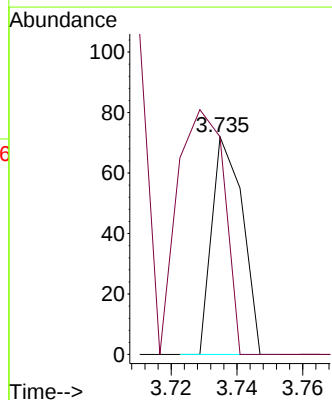
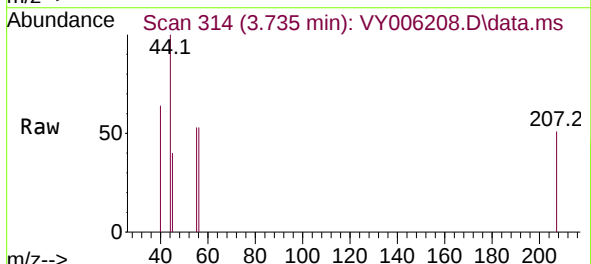
Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

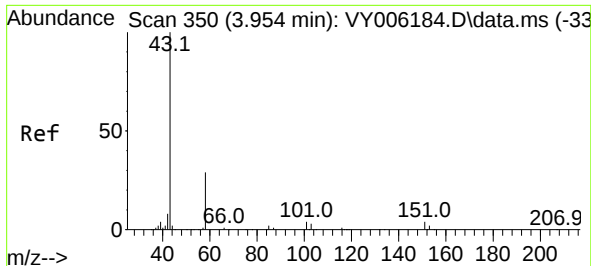


#13

Acrolein
Concen: 18.943 ug/l
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 173.9 57.6 86.4#

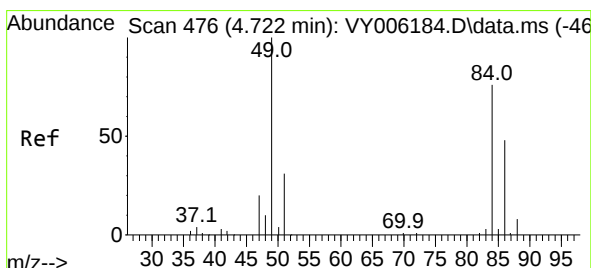
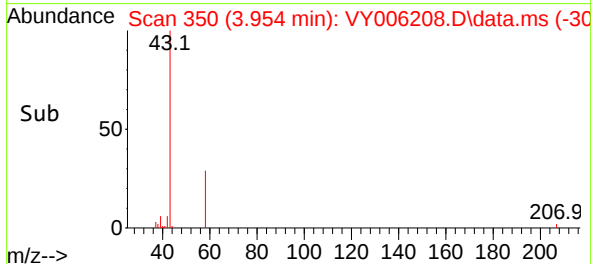
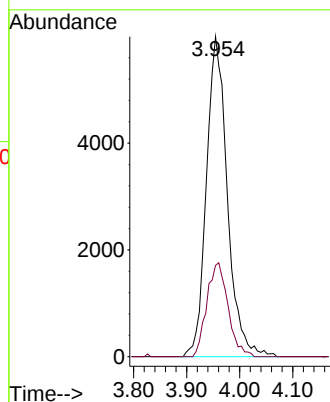
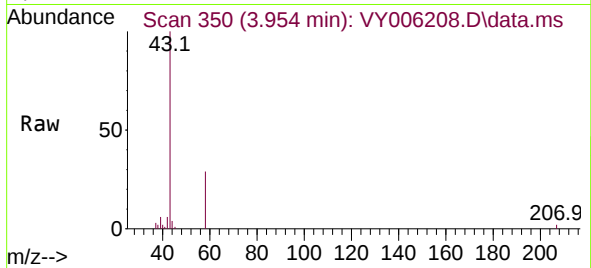




#16
Acetone
Concen: 39.624 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

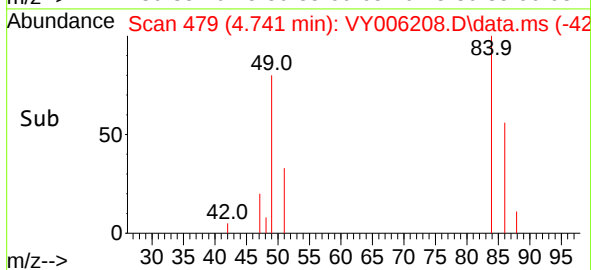
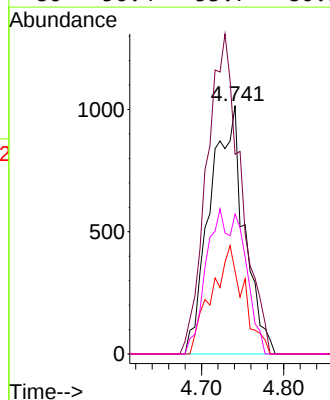
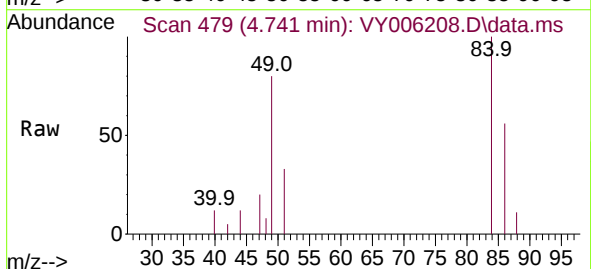
Instrument :
MSVOA_Y
ClientSampled :

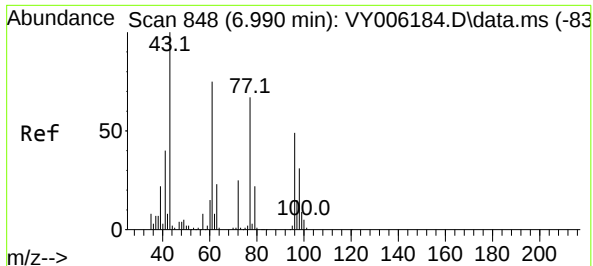
Tgt Ion: 43 Resp: 16454
Ion Ratio Lower Upper
43 100
58 28.5 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.019 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 84 Resp: 2937
Ion Ratio Lower Upper
84 100
49 80.4 114.4 171.6#
51 33.2 35.3 52.9#
86 56.4 53.7 80.5





#25

2-Butanone

Concen: 4.391 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY006208.D

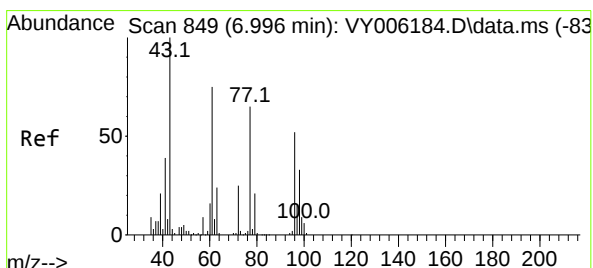
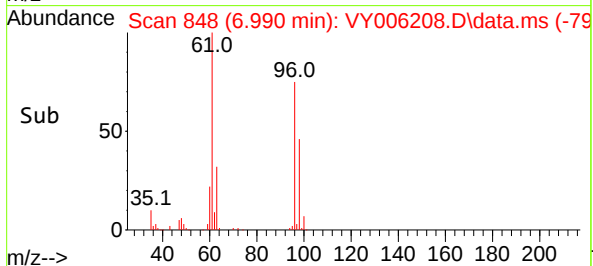
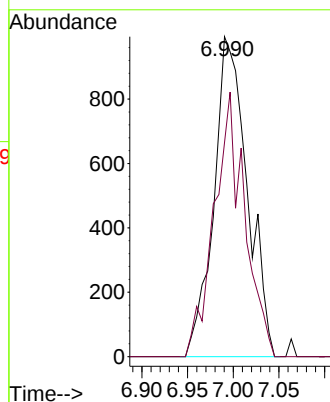
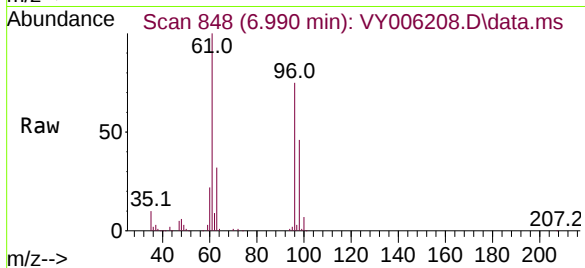
Acq: 29 Sep 2021 13:23

Tgt Ion: 43 Resp: 2540

Ion Ratio Lower Upper

43 100

72 66.9 17.7 26.5#



#27

cis-1,2-Dichloroethene

Concen: 70.351 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY006208.D

Acq: 29 Sep 2021 13:23

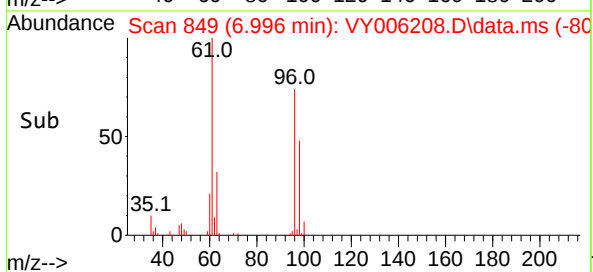
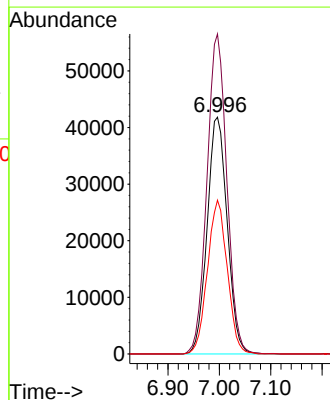
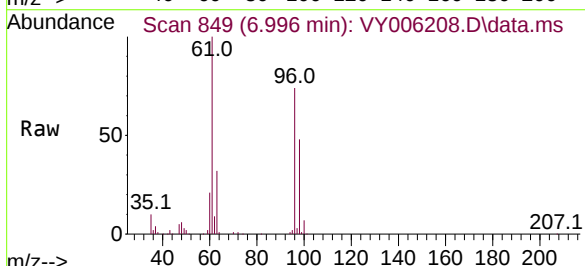
Tgt Ion: 96 Resp: 113649

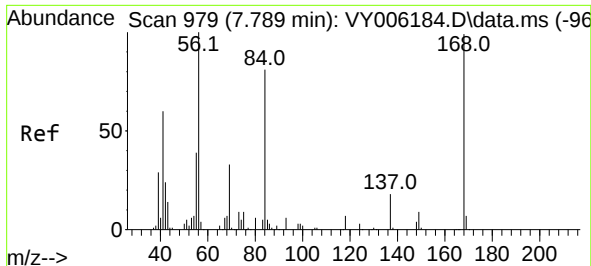
Ion Ratio Lower Upper

96 100

61 133.6 0.0 319.8

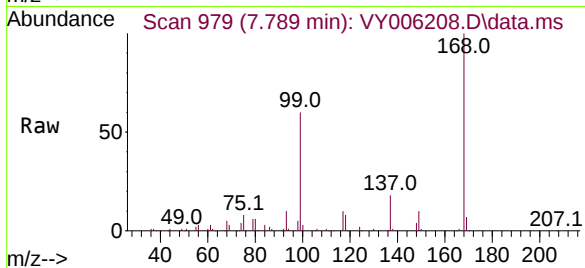
98 64.0 0.0 127.0



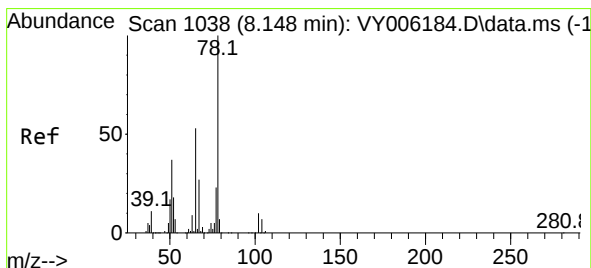
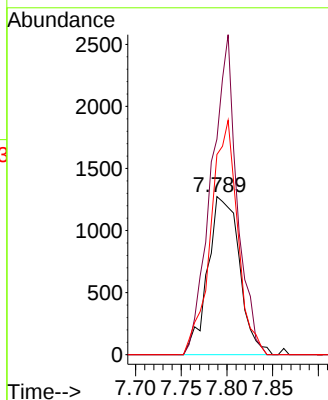
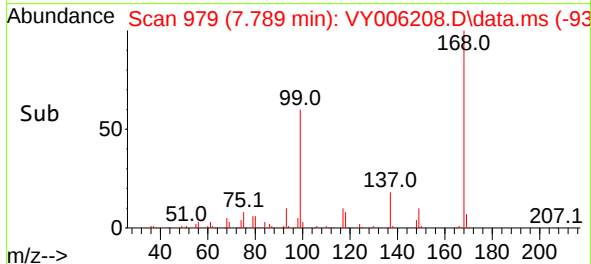


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

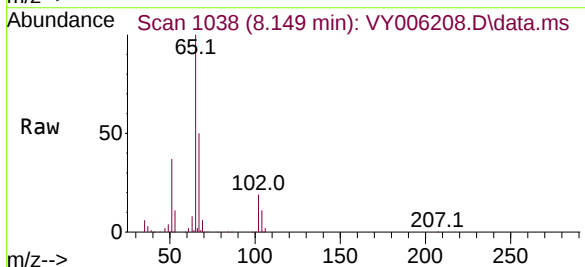
Instrument :
MSVOA_Y
ClientSampled :



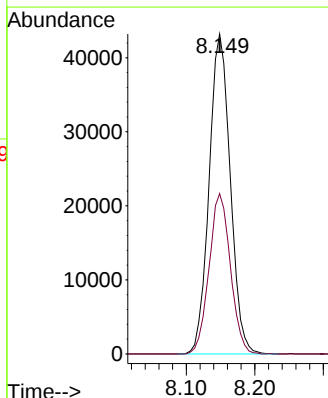
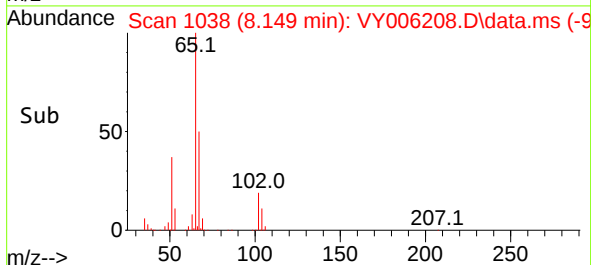
Tgt Ion: 56 Resp: 3070
Ion Ratio Lower Upper
56 100
69 136.3 26.7 40.1#
84 126.6 67.2 100.8#

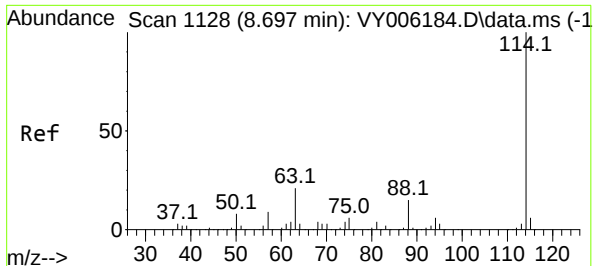


#33
1,2-Dichloroethane-d4
Concen: 62.264 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23



Tgt Ion: 65 Resp: 92572
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

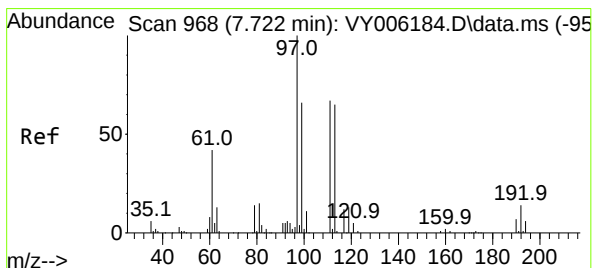
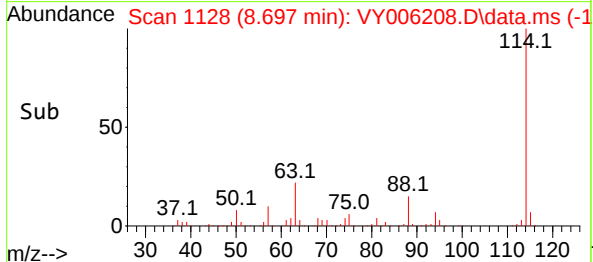
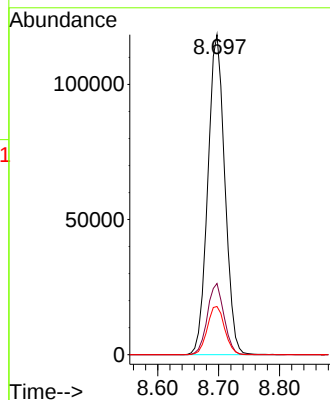
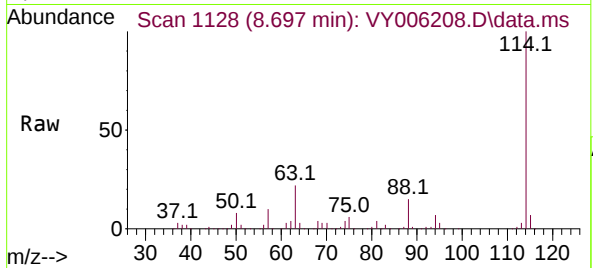




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

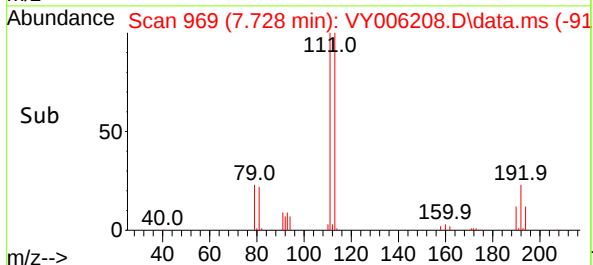
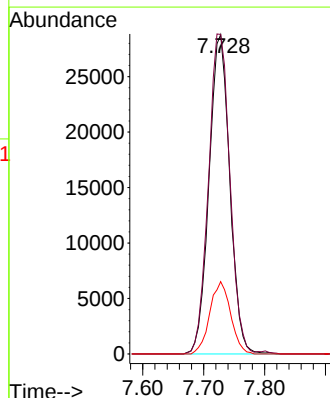
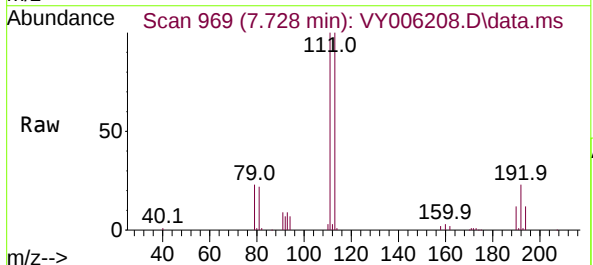
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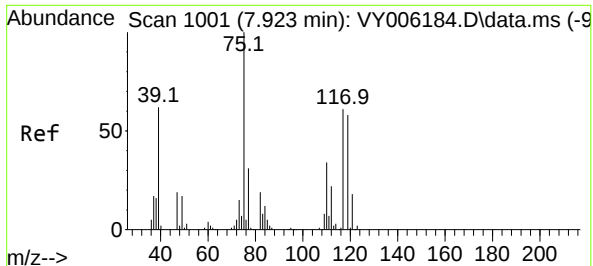
Tgt Ion:114 Resp: 229022
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.615 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion:113 Resp: 68049
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 22.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.573 ug/l

RT: 7.795 min Scan# 980

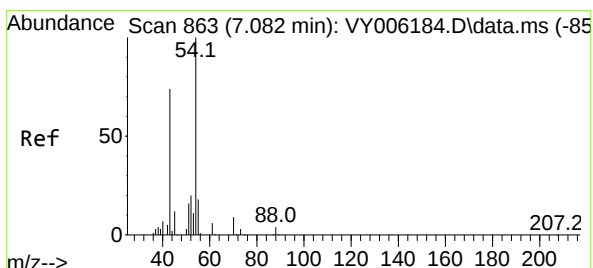
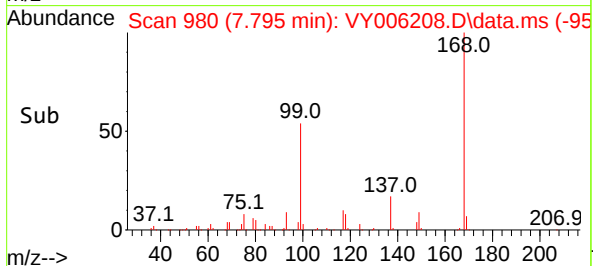
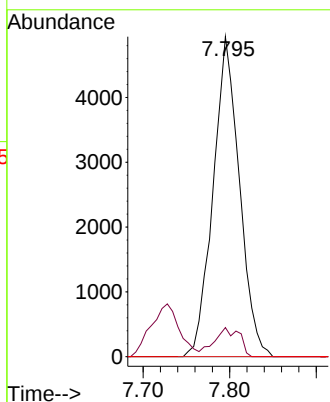
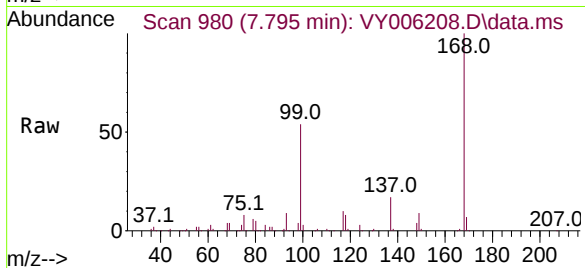
Delta R.T. -0.128 min

Lab File: VY006208.D

Acq: 29 Sep 2021 13:23

Tgt Ion:	75	Resp:	10421
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.4	36.6#

Instrument :
MSVOA_Y
ClientSampled :



#37

Ethyl Acetate

Concen: 1.913 ug/l

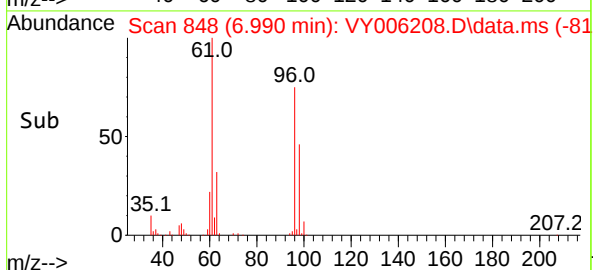
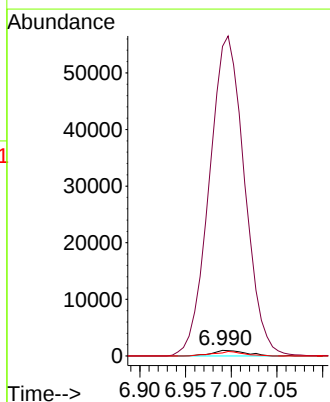
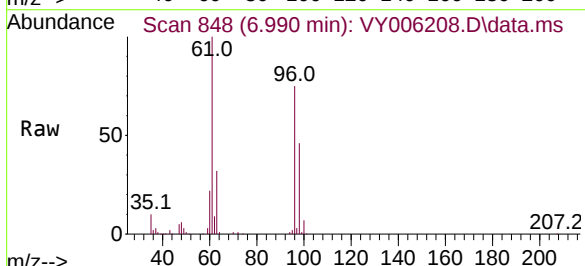
RT: 6.990 min Scan# 848

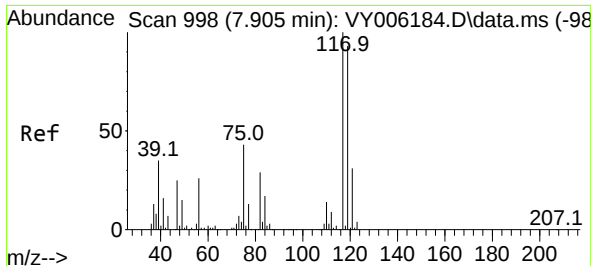
Delta R.T. -0.091 min

Lab File: VY006208.D

Acq: 29 Sep 2021 13:23

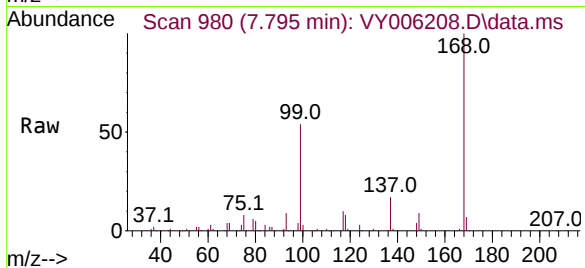
Tgt Ion:	43	Resp:	2540
Ion	Ratio	Lower	Upper
43	100		
61	5979.1	9.7	14.5#
70	70.0	7.1	10.7#



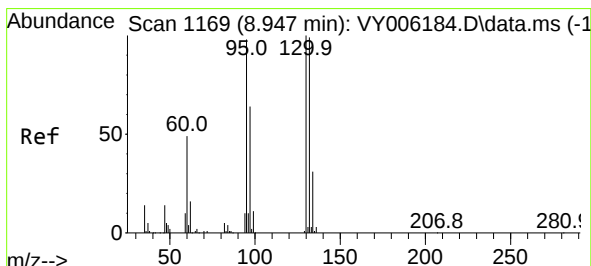
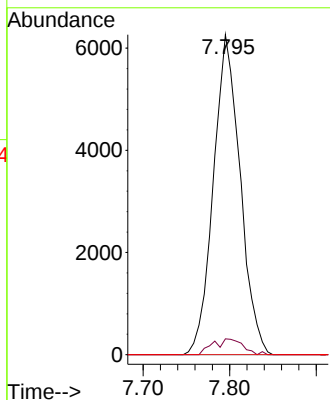
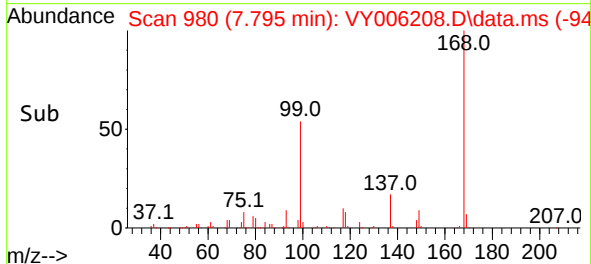


#38
Carbon Tetrachloride
Concen: 5.592 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

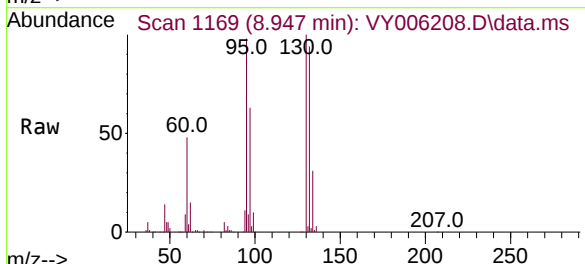
Instrument :
MSVOA_Y
ClientSampleId :



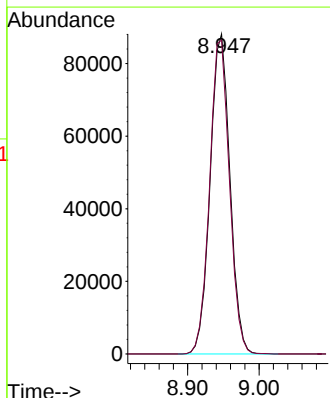
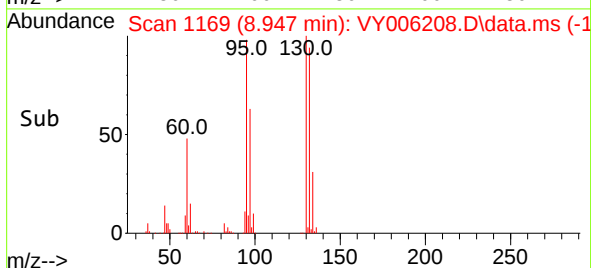
Tgt Ion:117 Resp: 13455
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#

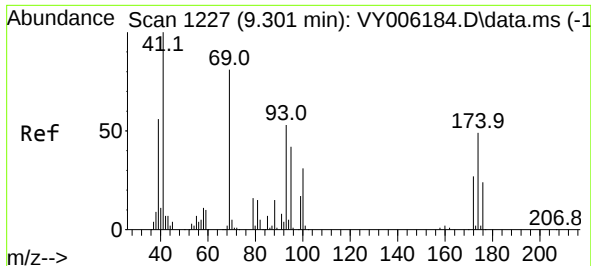


#44
Trichloroethene
Concen: 101.441 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23



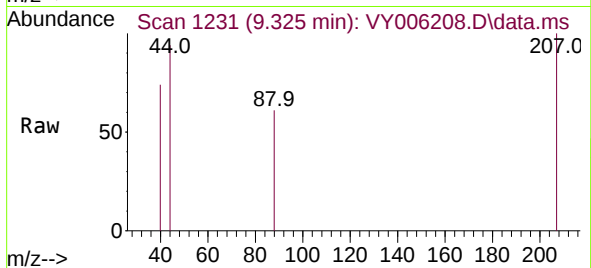
Tgt Ion:130 Resp: 169372
Ion Ratio Lower Upper
130 100
95 98.1 0.0 188.2



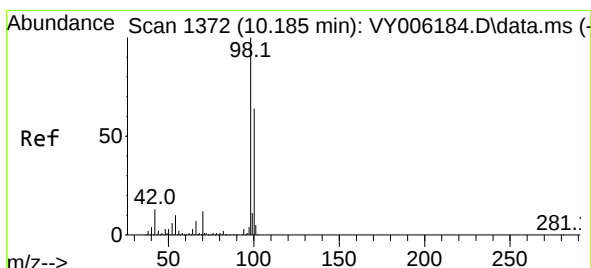
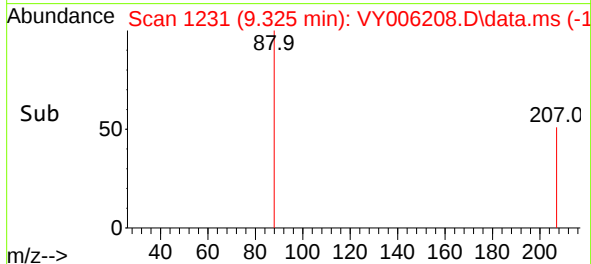
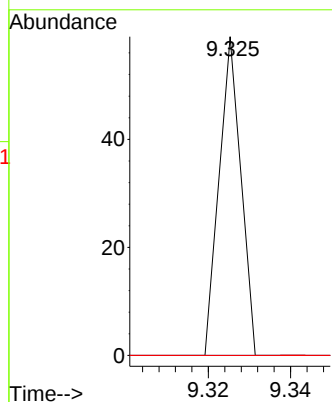


#49
1,4-Dioxane
Concen: 1.990 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.025 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Instrument :
MSVOA_Y
ClientSampled :

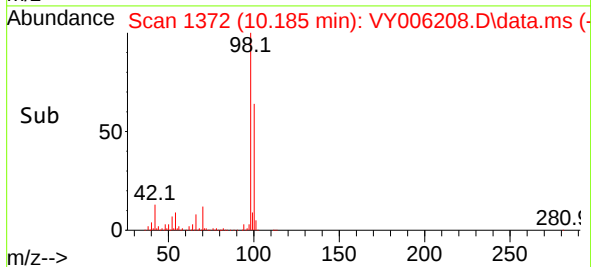
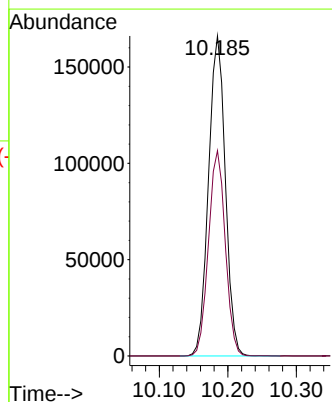
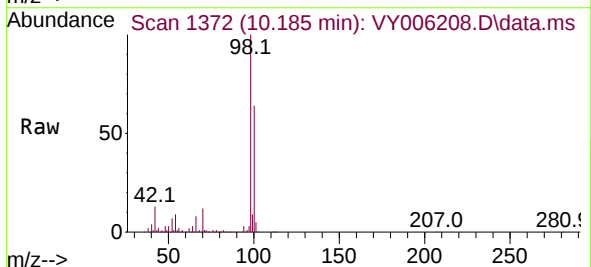


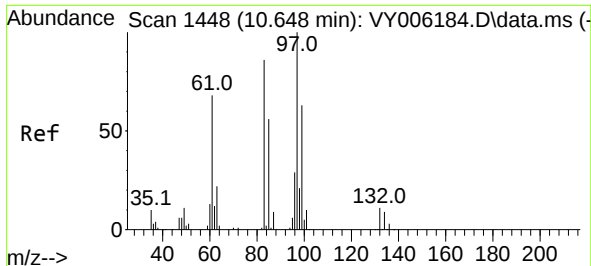
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 55.448 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

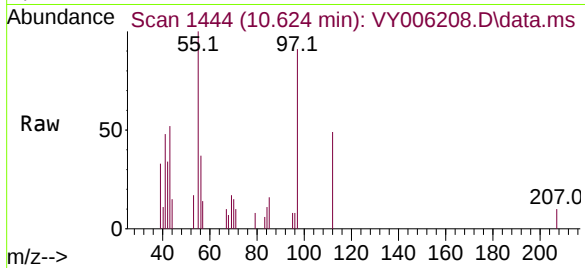
Tgt Ion: 98 Resp: 283942
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



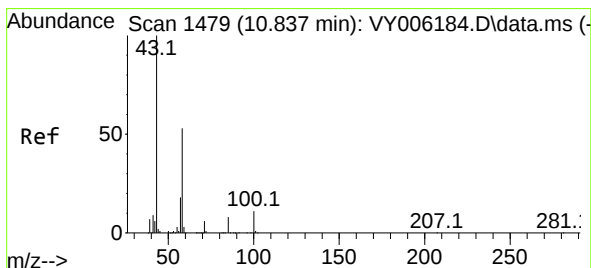
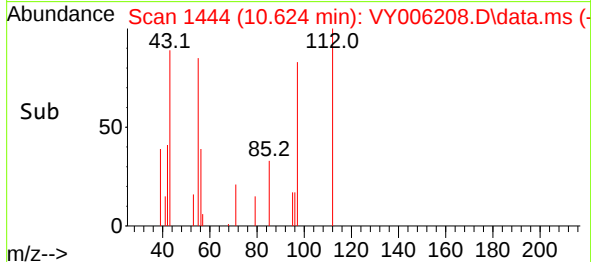
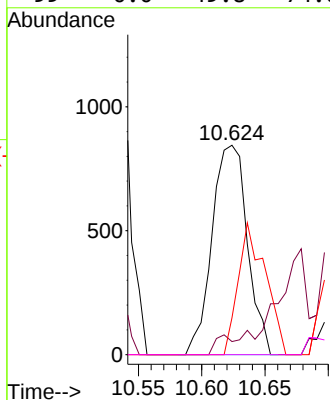


#55
1,1,2-Trichloroethane
Concen: 1.376 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Instrument :
MSVOA_Y
ClientSampled :

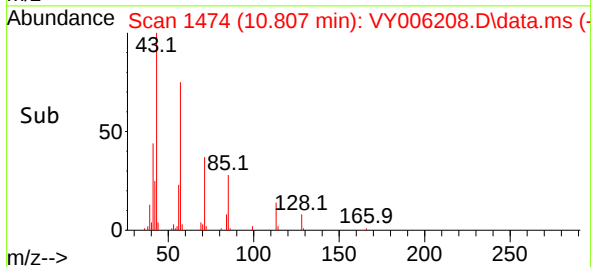
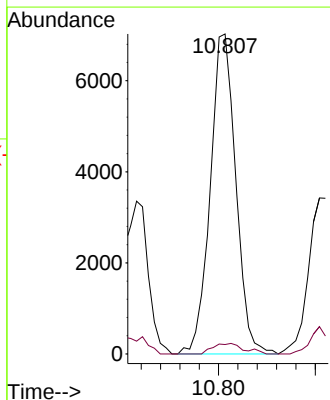
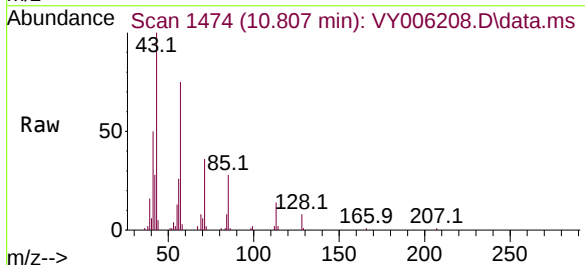


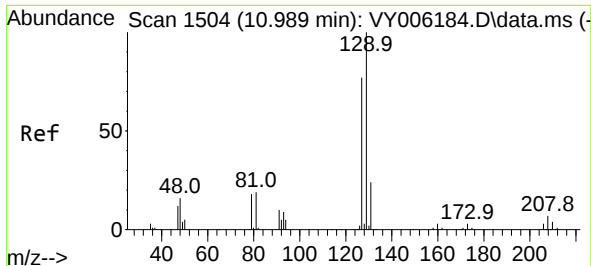
Tgt Ion	Ratio	Lower	Upper
97	100		
83	6.3	69.8	104.8#
85	17.5	44.3	66.5#
99	0.0	49.8	74.6#



#59
2-Hexanone
Concen: 13.695 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

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

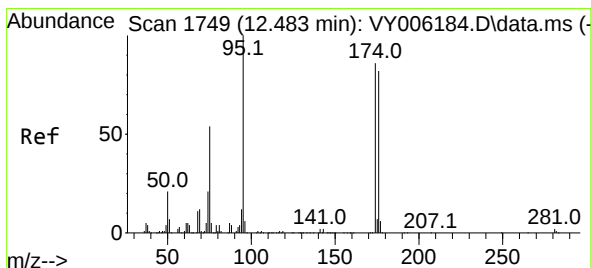
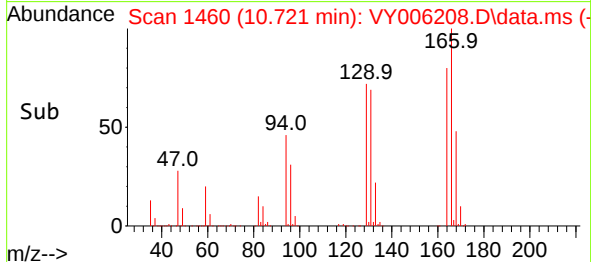
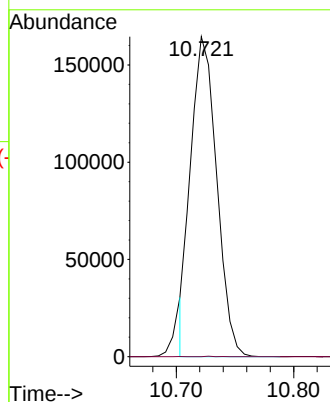
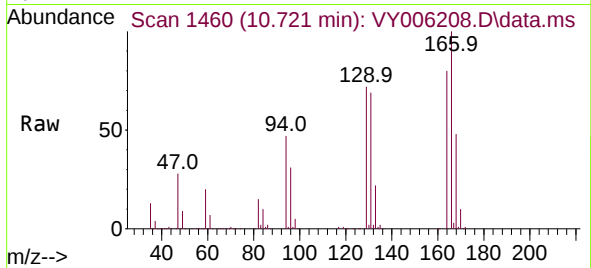




#60
Dibromochloromethane
Concen: 174.468 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

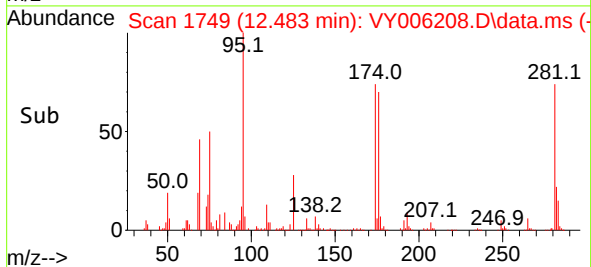
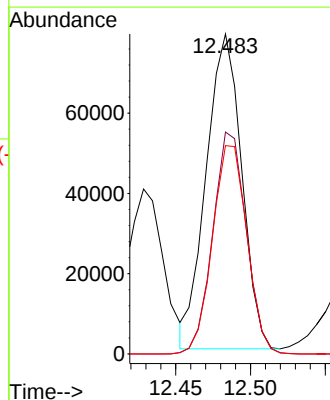
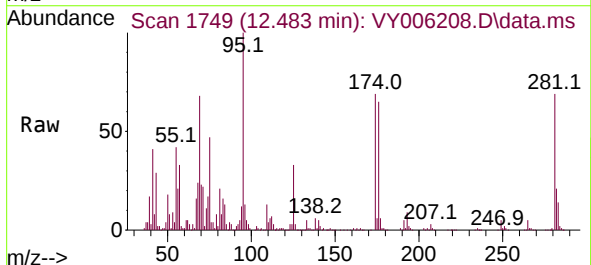
Instrument :
MSVOA_Y
ClientSampled :

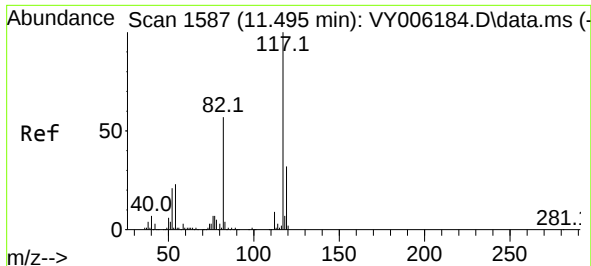
Tgt Ion:129 Resp: 252757
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 74.256 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 95 Resp: 129178
Ion Ratio Lower Upper
95 100
174 66.6 0.0 177.0
176 64.6 0.0 175.8

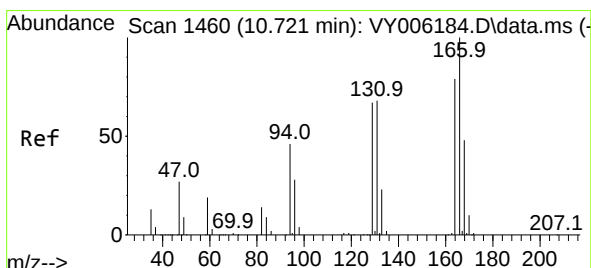
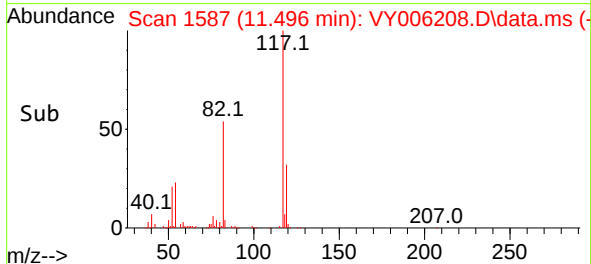
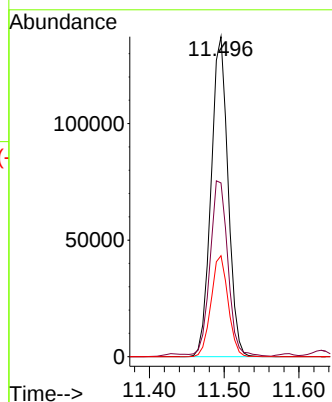
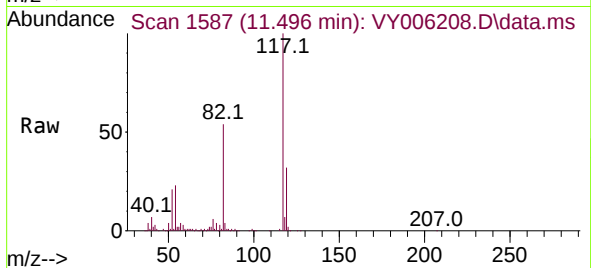




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

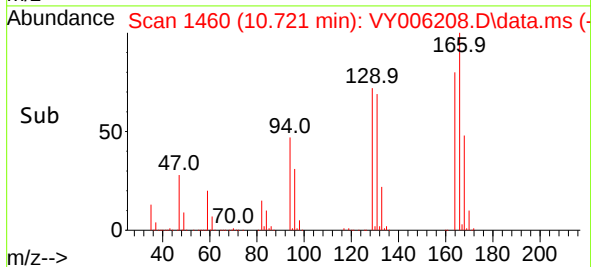
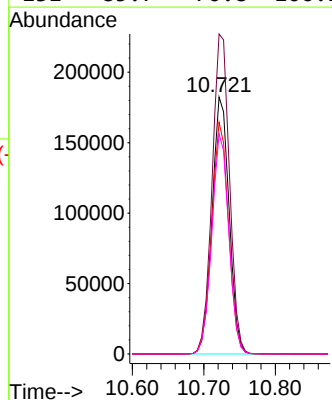
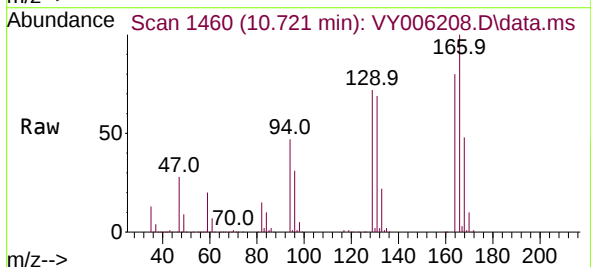
Instrument :
MSVOA_Y
ClientSampled :

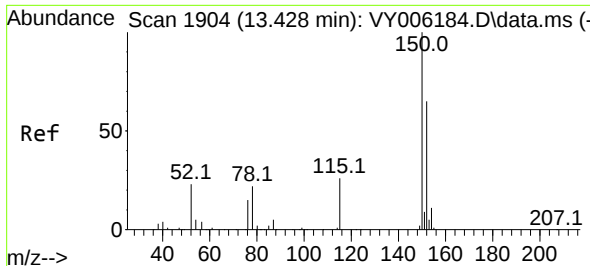
Tgt Ion:117 Resp: 215933
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 173.574 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion:164 Resp: 301850
Ion Ratio Lower Upper
164 100
166 124.5 100.4 150.6
129 90.2 71.4 107.0
131 85.7 70.8 106.2

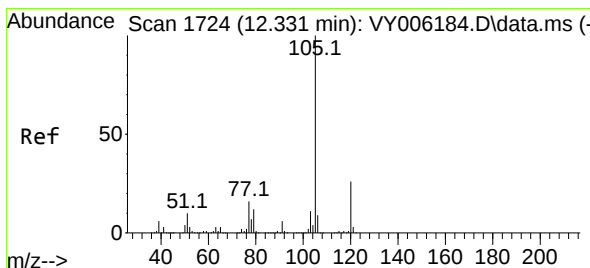
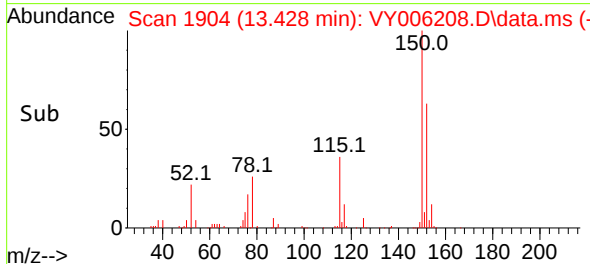
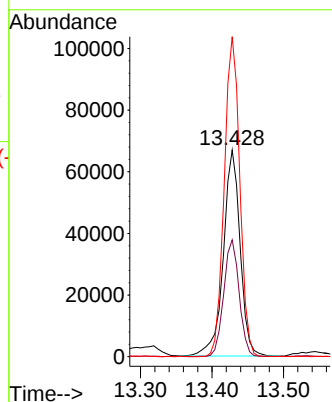
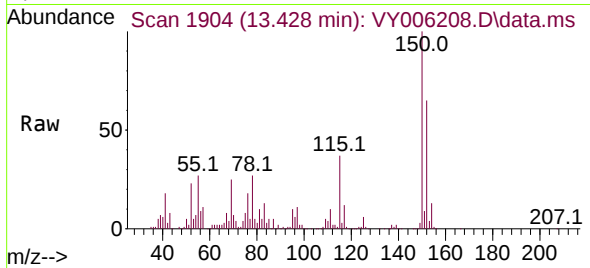




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

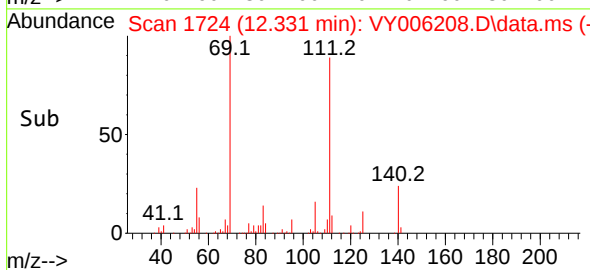
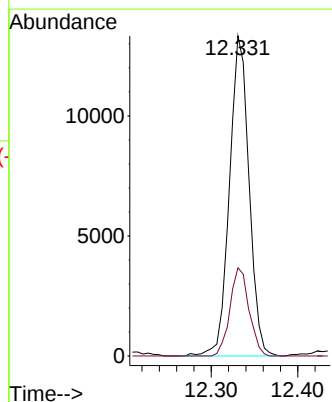
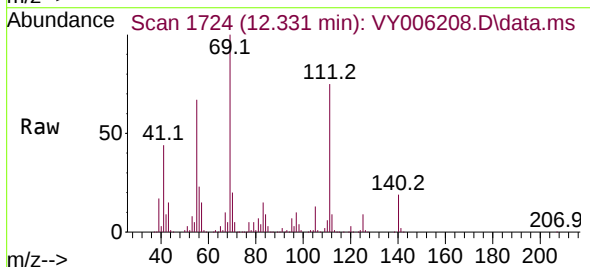
Instrument :
MSVOA_Y
ClientSampled :

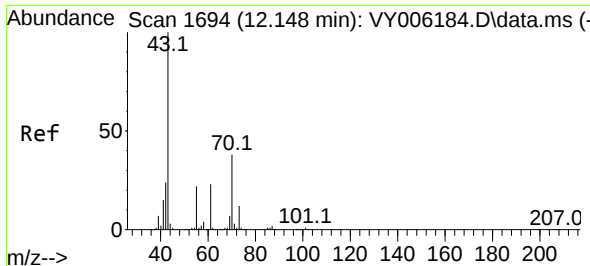
Tgt Ion:152 Resp: 109231
Ion Ratio Lower Upper
152 100
115 52.2 28.2 84.7
150 143.5 0.0 347.6



#73
Isopropylbenzene
Concen: 2.673 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

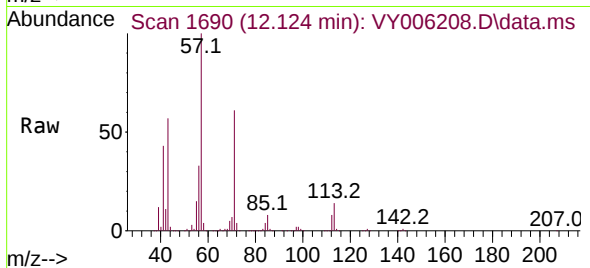
Tgt Ion:105 Resp: 20913
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



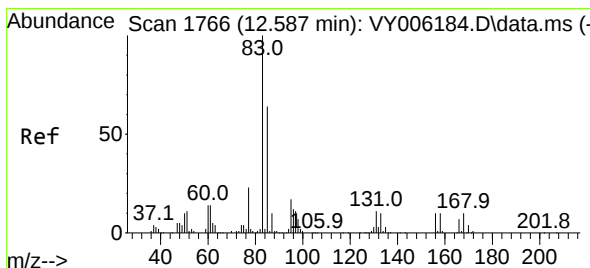
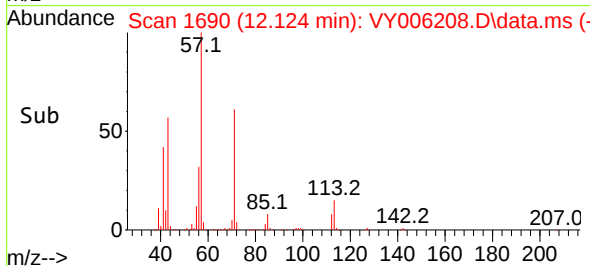
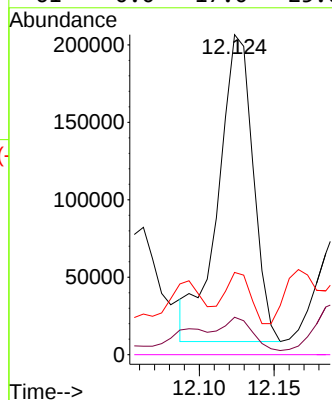


#74
N-amy1 acetate
Concen: 132.997 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Instrument :
MSVOA_Y
ClientSampleId :

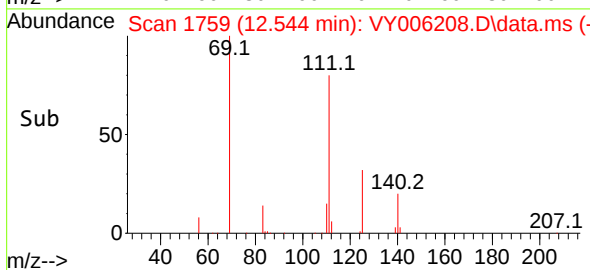
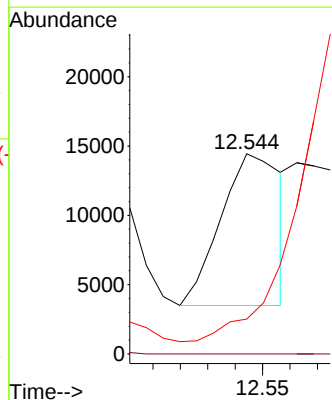
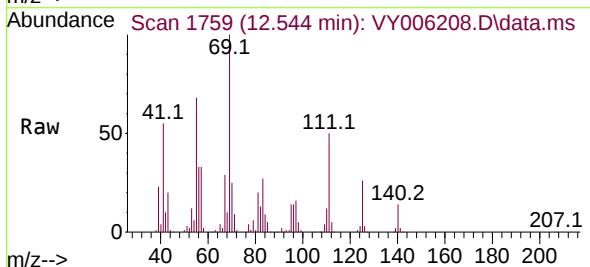


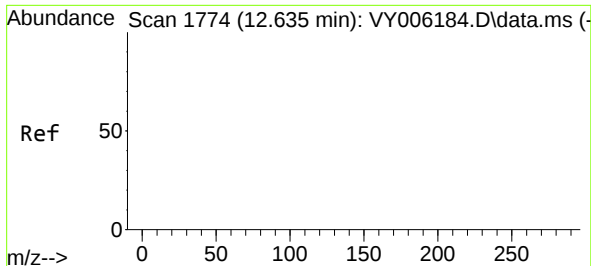
Tgt Ion: 43 Resp: 322989
Ion Ratio Lower Upper
43 100
70 9.8 28.7 43.1#
55 12.6 17.3 25.9#
61 0.0 17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 11.823 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.042 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 83 Resp: 16707
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#

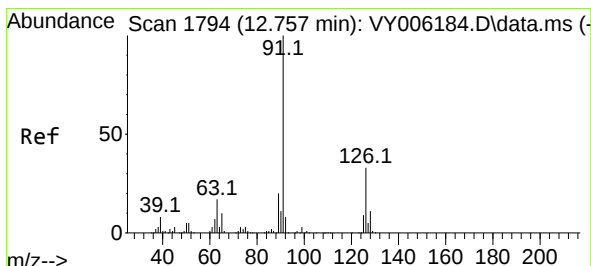
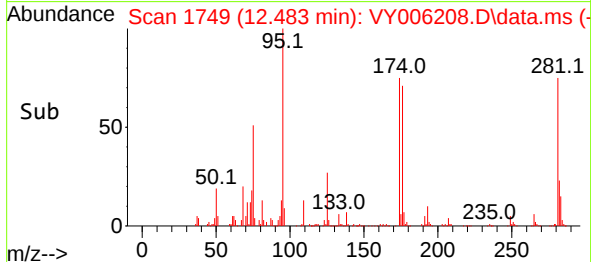
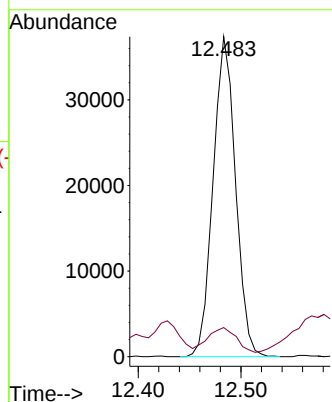
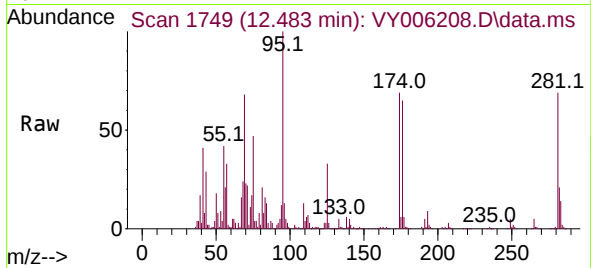




#76
1,2,3-Trichloropropane
Concen: 53.292 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

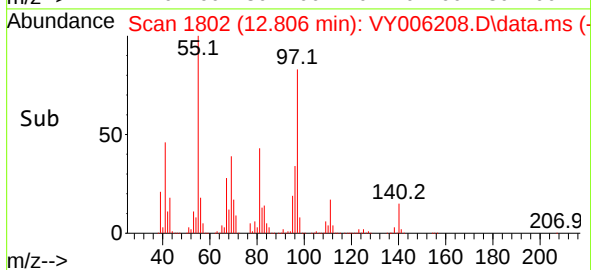
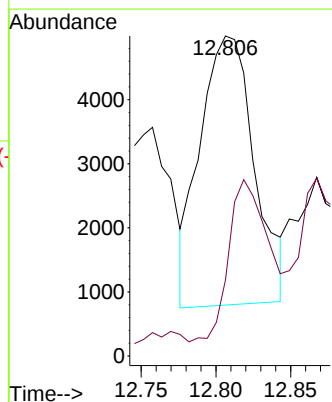
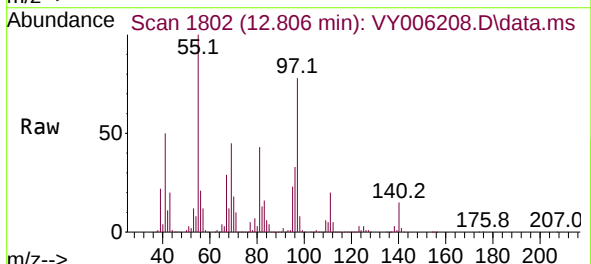
Instrument :
MSVOA_Y
ClientSampleId :

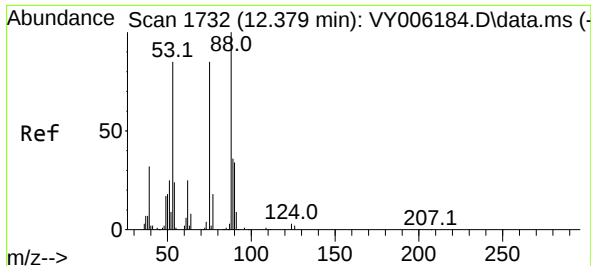
Tgt Ion: 75 Resp: 56578
Ion Ratio Lower Upper
75 100
77 9.7 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.992 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.049 min
Lab File: VY006208.D
Acq: 29 Sep 2021 13:23

Tgt Ion: 91 Resp: 10618
Ion Ratio Lower Upper
91 100
126 44.2 16.9 50.6

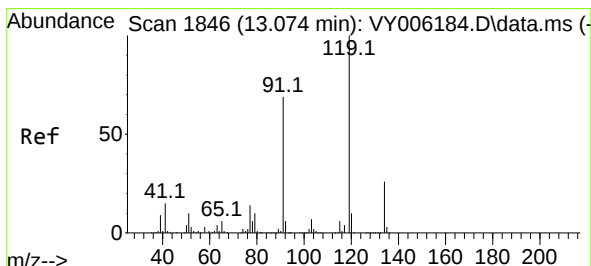
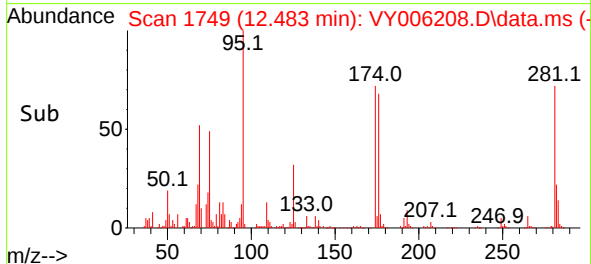
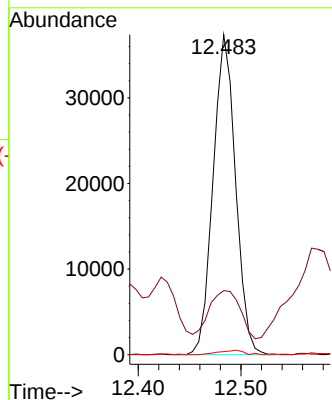
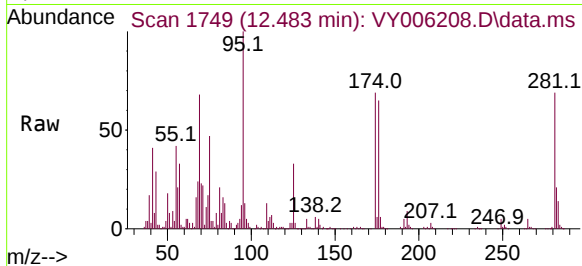




#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.726 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY006208.D
 Acq: 29 Sep 2021 13:23

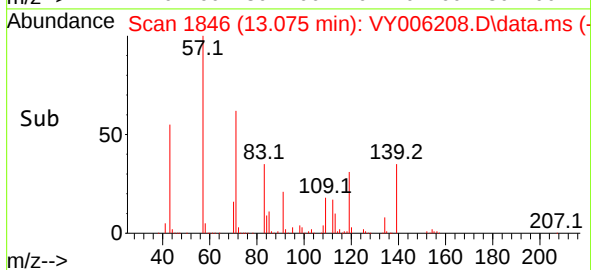
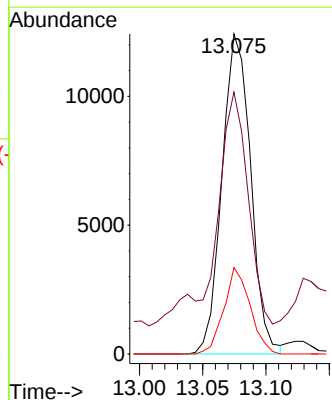
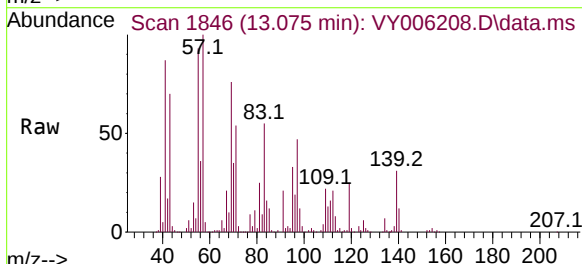
Instrument :
 MSVOA_Y
 ClientSampleId :

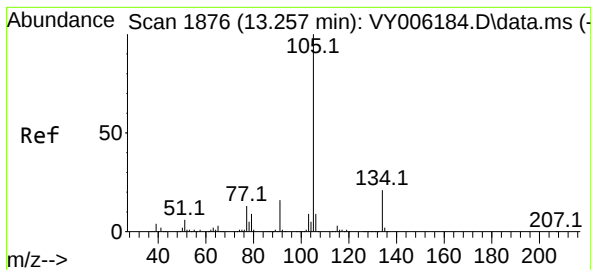
Tgt Ion: 75 Resp: 56578
 Ion Ratio Lower Upper
 75 100
 53 20.4 85.3 127.9#
 89 1.5 37.0 55.4#



#83
 tert-Butylbenzene
 Concen: 3.500 ug/l
 RT: 13.075 min Scan# 1846
 Delta R.T. 0.000 min
 Lab File: VY006208.D
 Acq: 29 Sep 2021 13:23

Tgt Ion: 119 Resp: 19579
 Ion Ratio Lower Upper
 119 100
 91 81.0 34.8 104.4
 134 24.7 13.3 39.9





#85
 sec-Butylbenzene
 Concen: 8.245 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. 0.000 min
 Lab File: VY006208.D
 Acq: 29 Sep 2021 13:23

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 69697
 Ion Ratio Lower Upper
 105 100
 134 30.4 10.2 30.4

