

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090721\
 Data File : VY005948.D
 Acq On : 07 Sep 2021 16:48
 Operator : SY/MD
 Sample : M3658-03
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 08 02:14:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

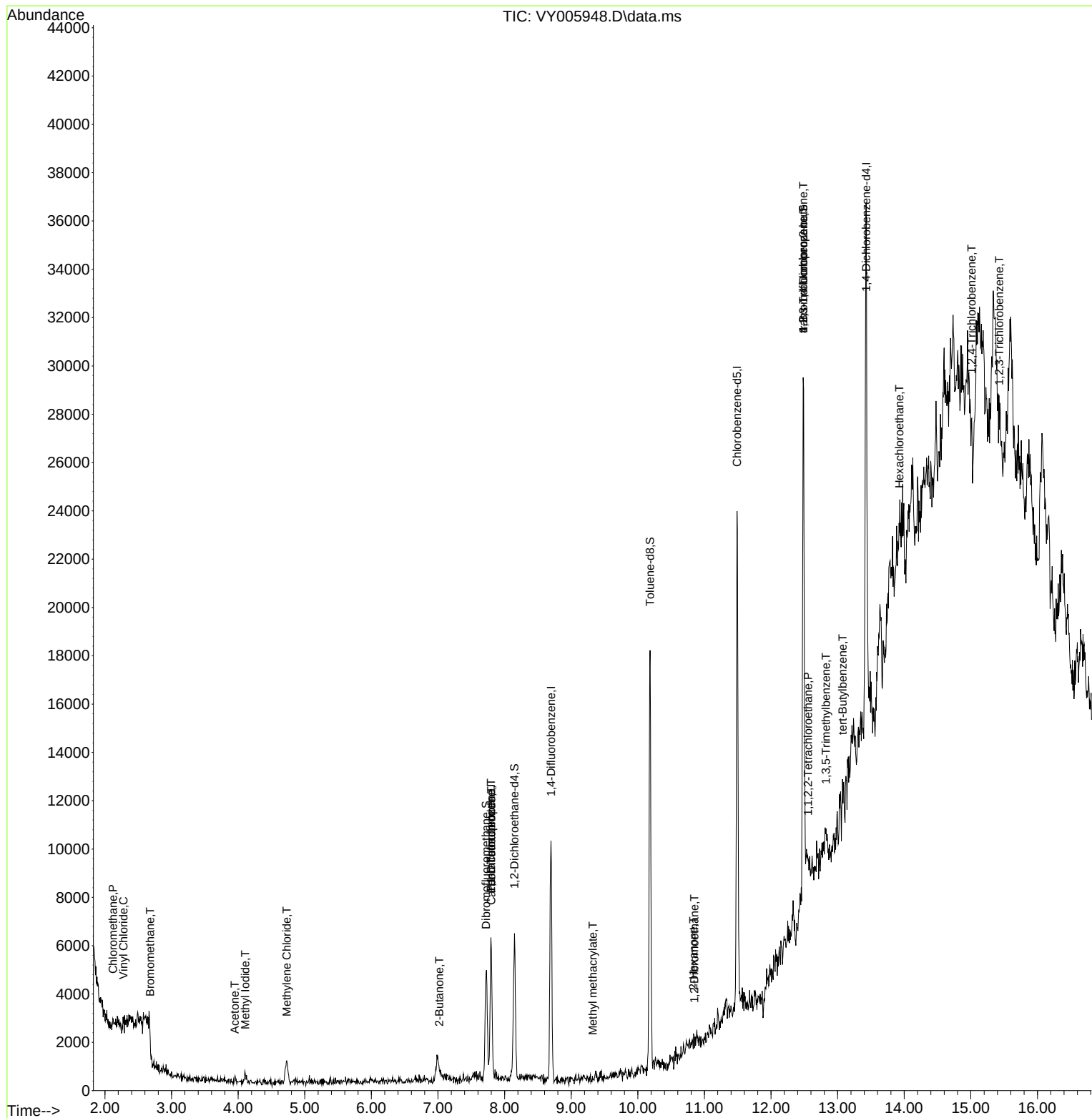
Internal Standards						
1) Pentafluorobenzene	7.795	168	5125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	9055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	11469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	4631	89.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.340%#	
35) Dibromofluoromethane	7.722	113	3218	63.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.560%	
50) Toluene-d8	10.185	98	11618	54.437	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.880%	
62) 4-Bromofluorobenzene	12.483	95	6366	88.833	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 177.660%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	196	4.044	ug/l #	42
4) Vinyl Chloride	2.278	62	169	2.683	ug/l #	43
5) Bromomethane	2.680	94	185	4.353	ug/l #	66
10) Methyl Iodide	4.107	142	638	11.716	ug/l #	79
16) Acetone	3.948	43	226	17.162	ug/l #	43
20) Methylene Chloride	4.729	84	763	11.243	ug/l #	90
25) 2-Butanone	7.021	43	20	1.075	ug/l #	47
36) 1,1-Dichloropropene	7.795	75	315	3.695	ug/l #	41
38) Carbon Tetrachloride	7.801	117	405	4.383	ug/l #	12
48) Methyl methacrylate	9.325	41	68	1.595	ug/l #	13
59) 2-Hexanone	10.837	43	47	1.346	ug/l #	24
61) 1,2-Dibromoethane	10.849	107	68	1.465	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.556	83	103	1.451	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	2688	51.311	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	347	1.110	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.483	75	2688	97.583	ug/l #	15
83) tert-Butylbenzene	13.075	119	298	1.091	ug/l #	83
90) Hexachloroethane	13.928	117	158	2.495	ug/l	86
93) 1,2,4-Trichlorobenzene	15.013	180	150	1.371	ug/l #	2
96) 1,2,3-Trichlorobenzene	15.428	180	304	3.182	ug/l #	1

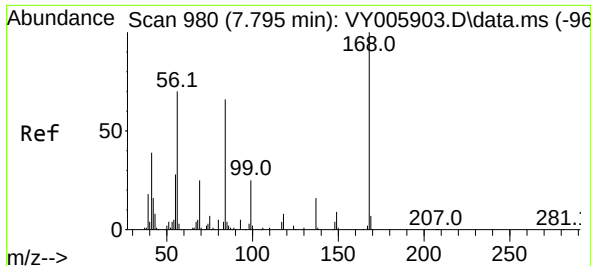
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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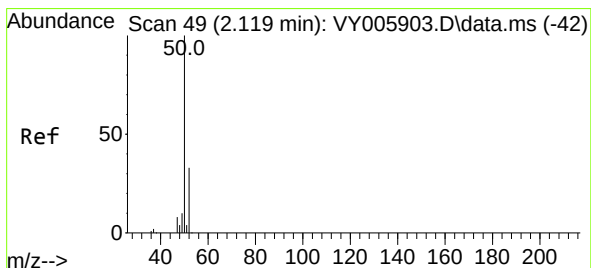
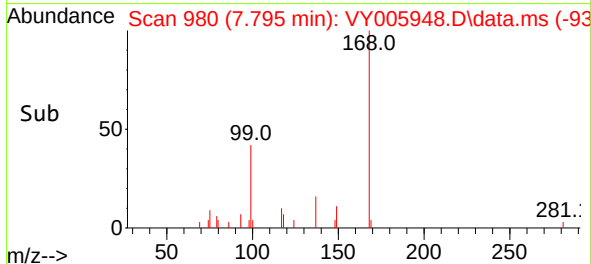
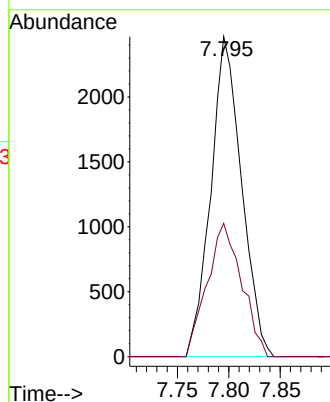
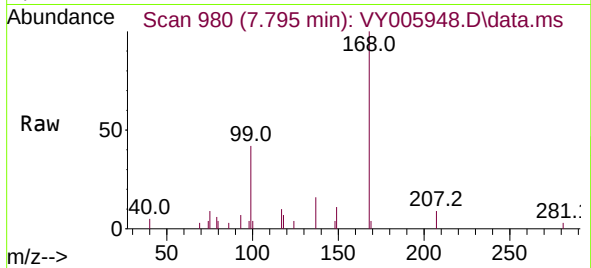




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

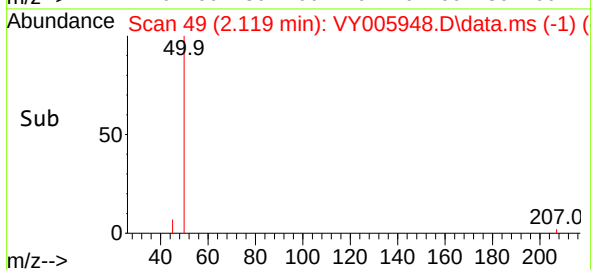
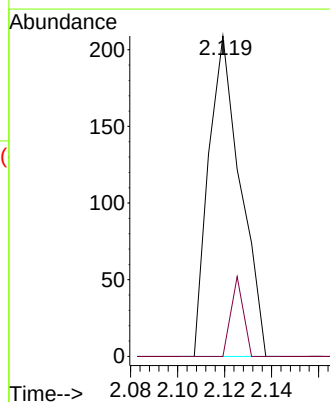
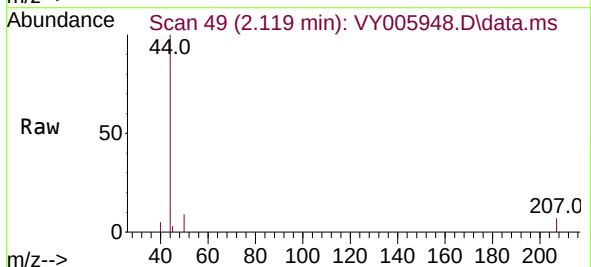
Instrument :
MSVOA_Y
ClientSampled :

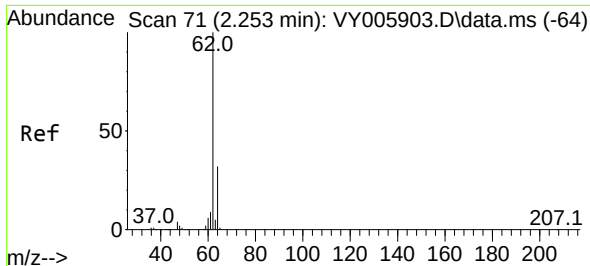
Tgt Ion:168 Resp: 5125
Ion Ratio Lower Upper
168 100
99 41.6 40.6 60.8



#3
Chloromethane
Concen: 4.044 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 50 Resp: 196
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

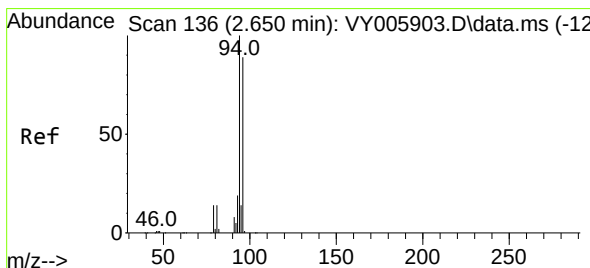
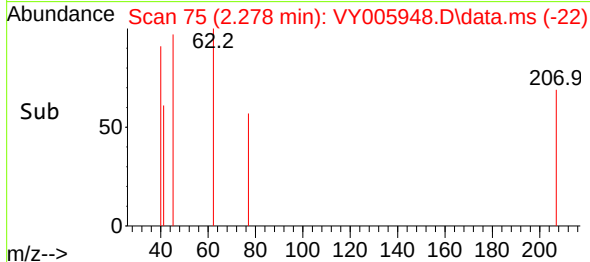
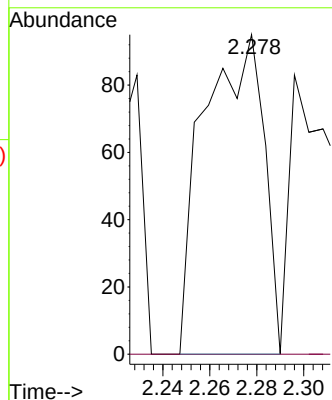
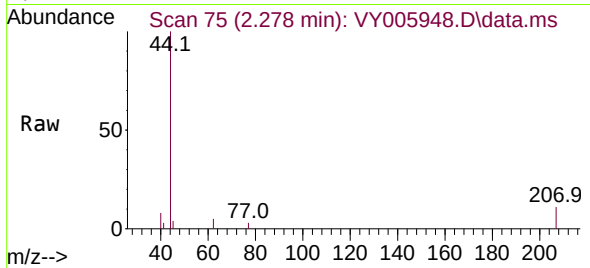




#4
 Vinyl Chloride
 Concen: 2.683 ug/l
 RT: 2.278 min Scan# 75
 Delta R.T. 0.024 min
 Lab File: VY005948.D
 Acq: 07 Sep 2021 16:48

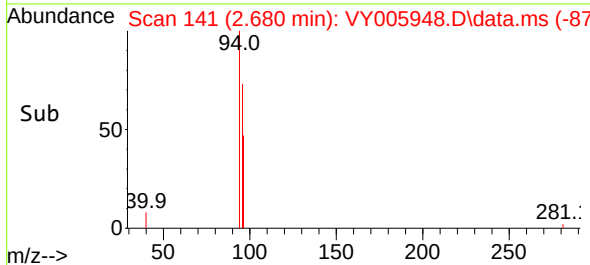
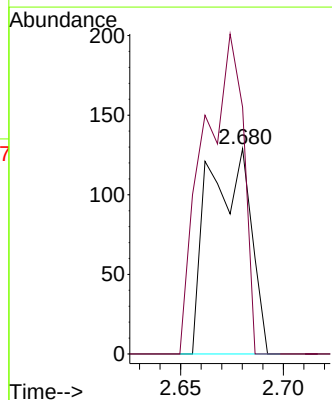
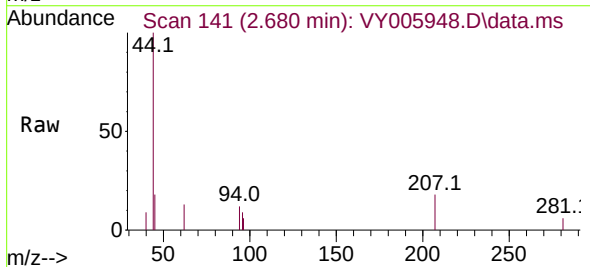
Instrument :
 MSVOA_Y
 ClientSampled :

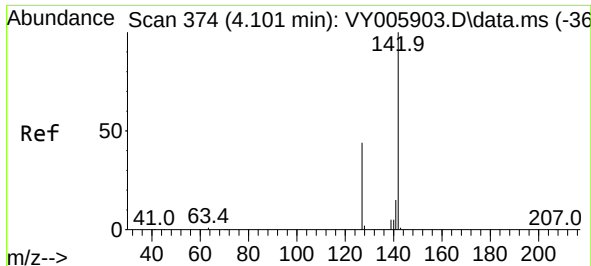
Tgt Ion: 62 Resp: 169
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 4.353 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.030 min
 Lab File: VY005948.D
 Acq: 07 Sep 2021 16:48

Tgt Ion: 94 Resp: 185
 Ion Ratio Lower Upper
 94 100
 96 120.2 70.8 106.2#





#10

Methyl Iodide

Concen: 11.716 ug/l

RT: 4.107 min Scan# 375

Delta R.T. 0.006 min

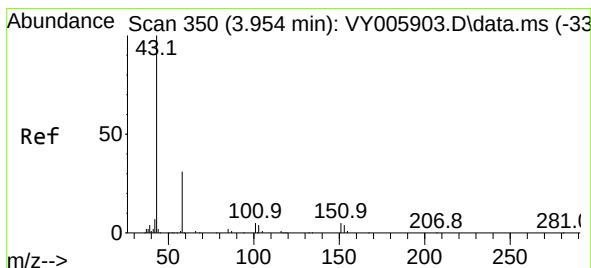
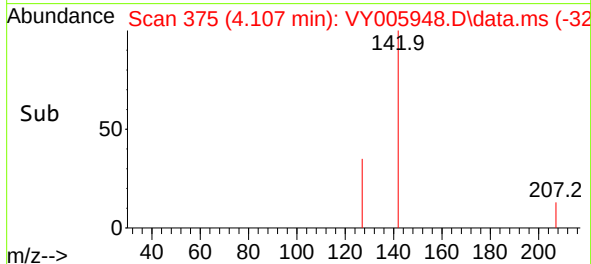
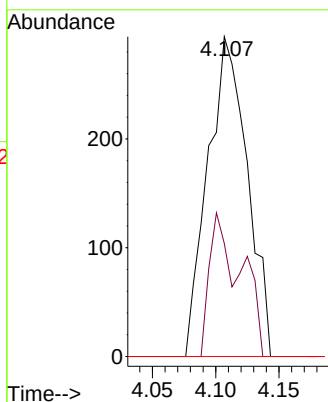
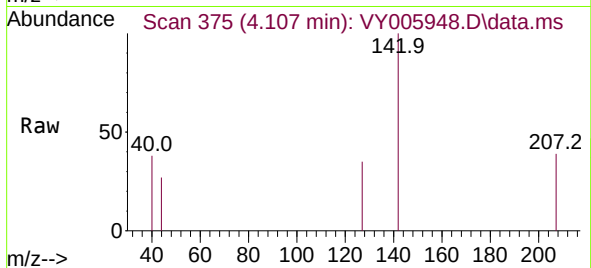
Lab File: VY005948.D

Acq: 07 Sep 2021 16:48

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:142 Resp: 638

Ion	Ratio	Lower	Upper
142	100		
127	35.4	36.7	55.1#
141	0.0	11.8	17.8#



#16

Acetone

Concen: 17.162 ug/l

RT: 3.948 min Scan# 349

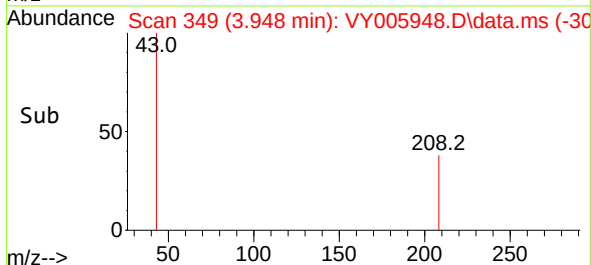
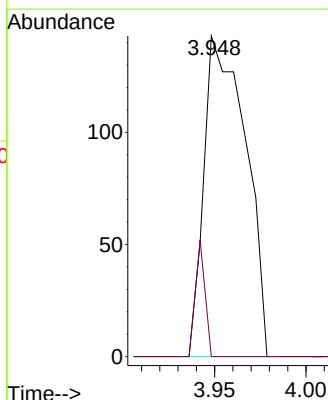
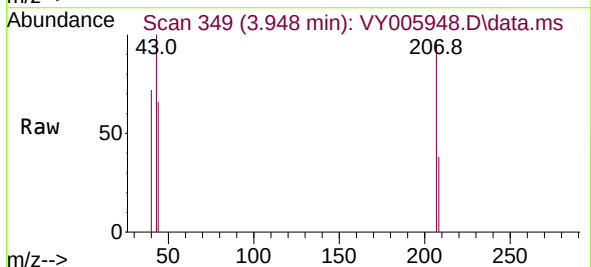
Delta R.T. -0.006 min

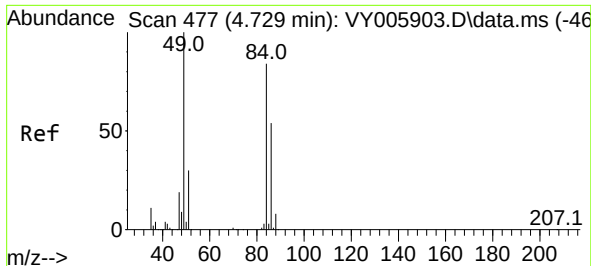
Lab File: VY005948.D

Acq: 07 Sep 2021 16:48

Tgt Ion: 43 Resp: 226

Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	37.7#





#20

Methylene Chloride

Concen: 11.243 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

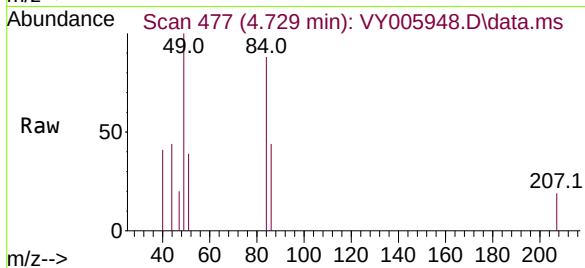
Lab File: VY005948.D

Acq: 07 Sep 2021 16:48

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 763

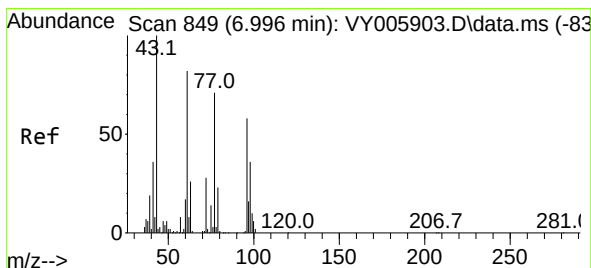
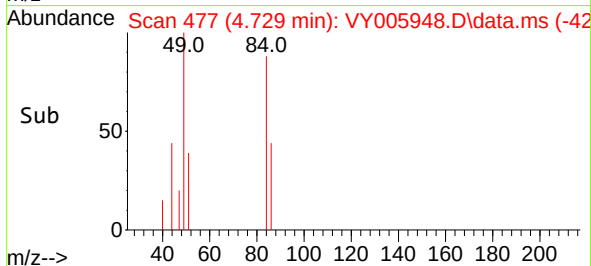
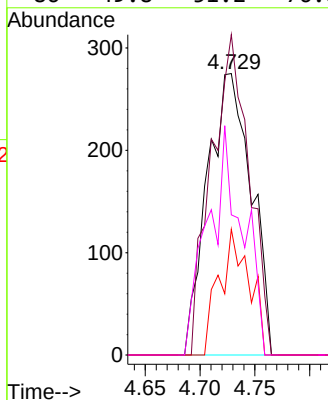
Ion Ratio Lower Upper

84 100

49 113.8 95.7 143.5

51 44.7 29.0 43.6#

86 49.8 51.2 76.8#



#25

2-Butanone

Concen: 1.075 ug/l

RT: 7.021 min Scan# 853

Delta R.T. 0.024 min

Lab File: VY005948.D

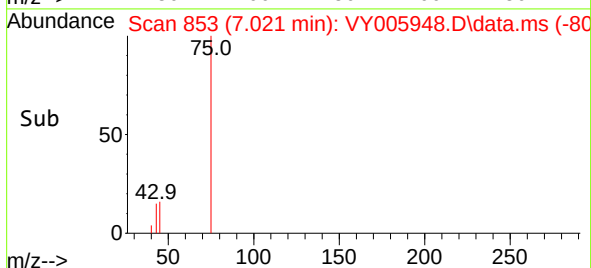
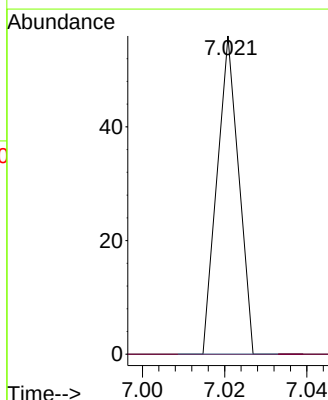
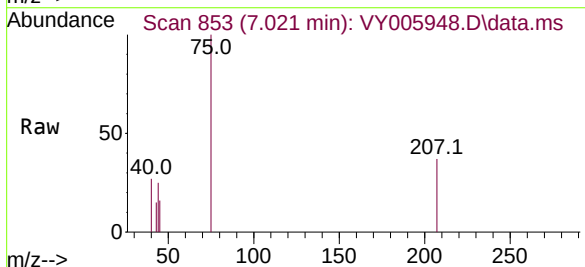
Acq: 07 Sep 2021 16:48

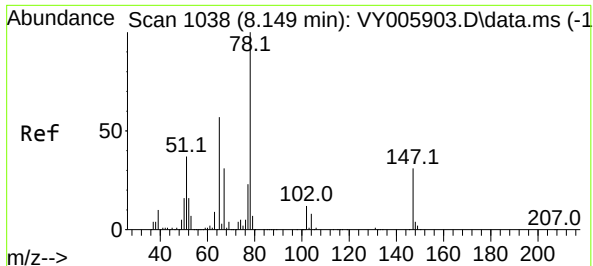
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#

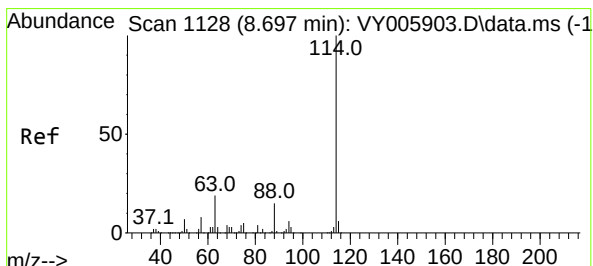
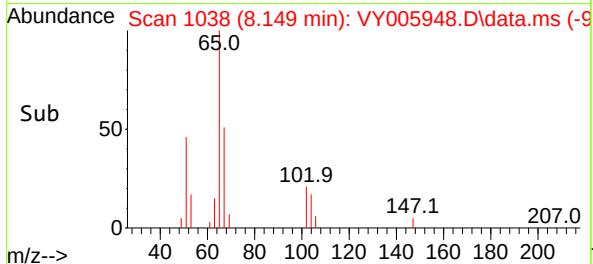
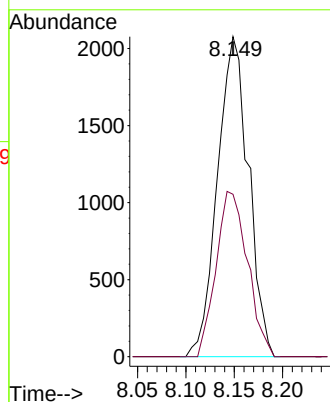
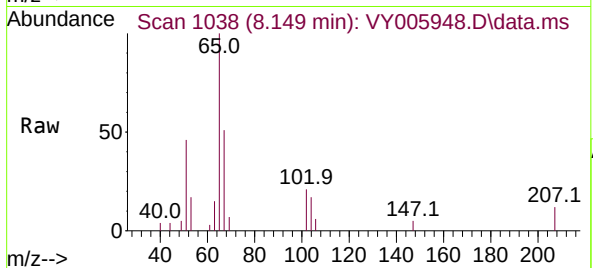




#33
1,2-Dichloroethane-d4
Concen: 89.668 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

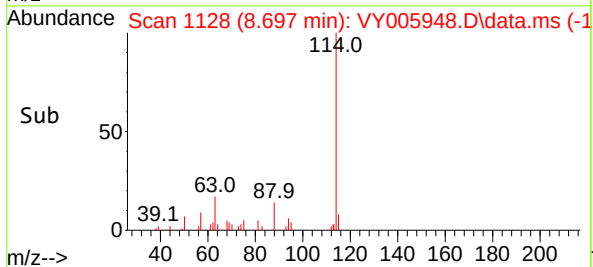
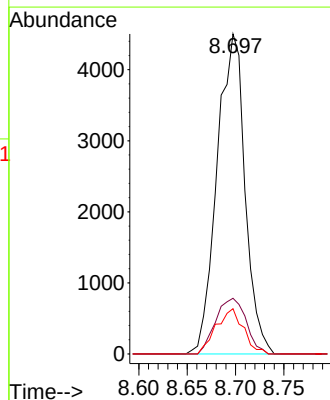
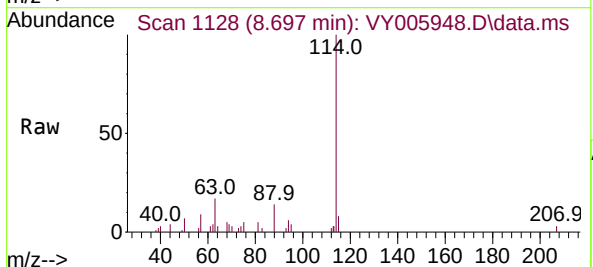
Instrument :
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ClientSampleId :

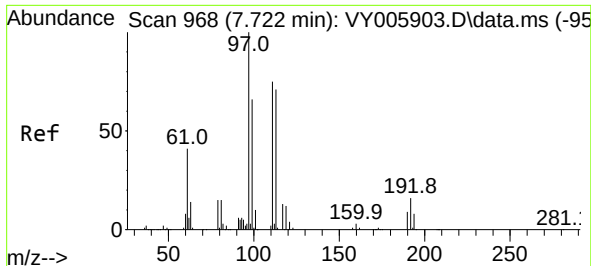
Tgt Ion: 65 Resp: 4631
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 114 Resp: 9055
Ion Ratio Lower Upper
114 100
63 17.4 0.0 38.4
88 14.2 0.0 30.0

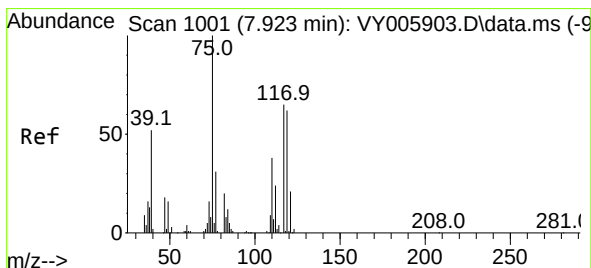
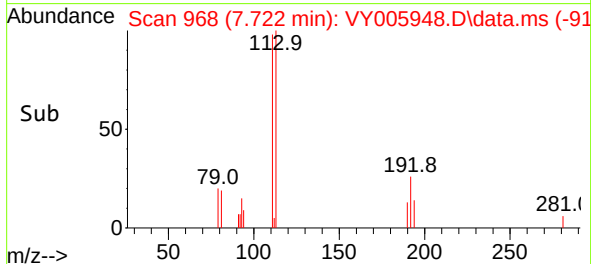
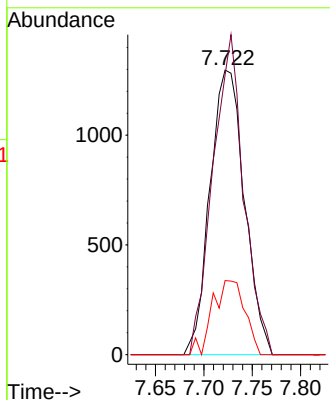
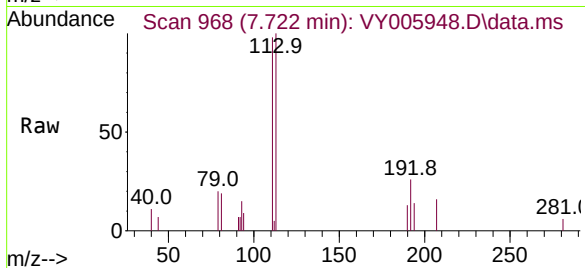




#35
Dibromofluoromethane
Concen: 63.281 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

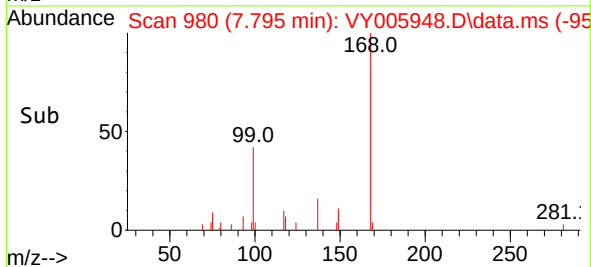
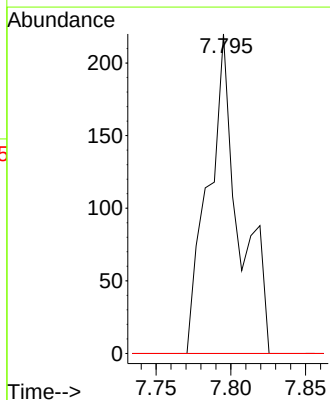
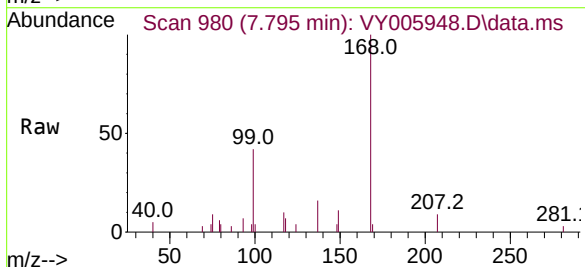
Instrument :
MSVOA_Y
ClientSampleId :

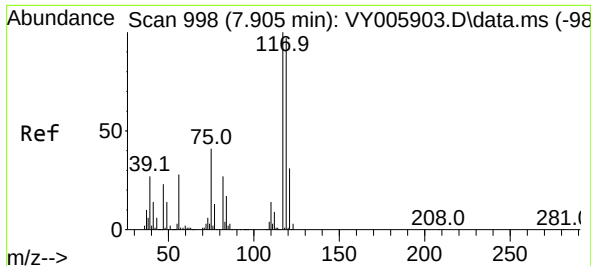
Tgt Ion:113 Resp: 3218
Ion Ratio Lower Upper
113 100
111 100.3 81.9 122.9
192 24.4 19.4 29.0



#36
1,1-Dichloropropene
Concen: 3.695 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 75 Resp: 315
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#

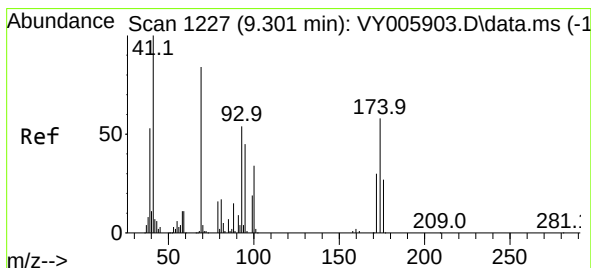
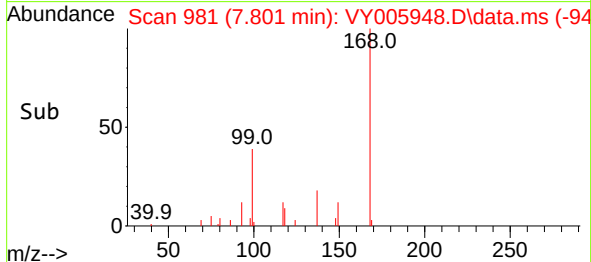
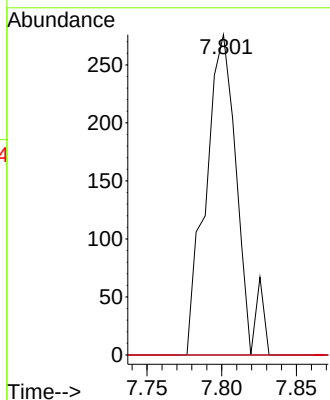
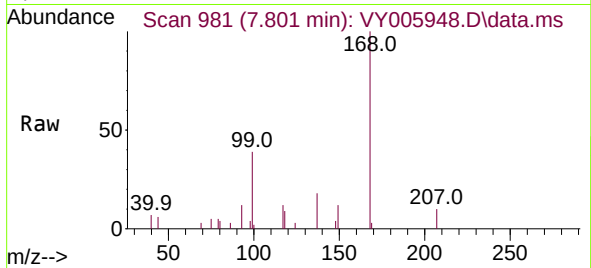




#38
Carbon Tetrachloride
Concen: 4.383 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

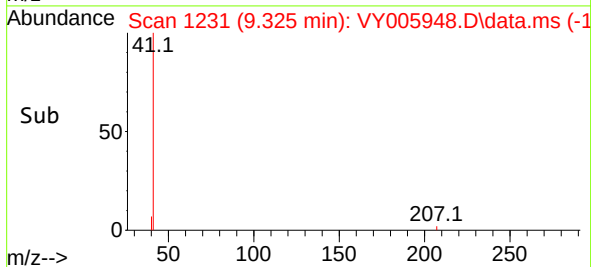
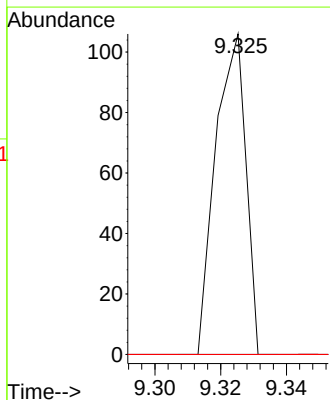
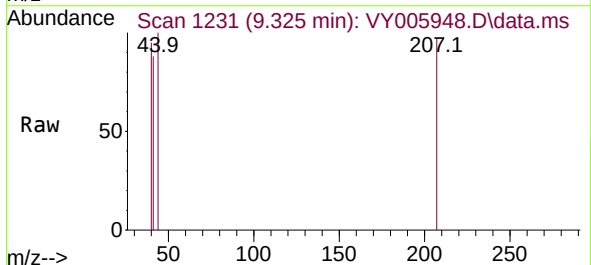
Instrument :
MSVOA_Y
ClientSampleId :

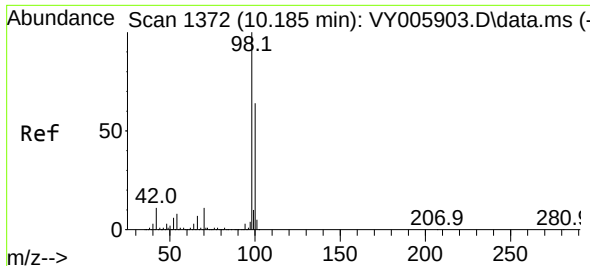
Tgt Ion:117 Resp: 405
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#



#48
Methyl methacrylate
Concen: 1.595 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.024 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 69.3 103.9#
39 0.0 44.2 66.4#

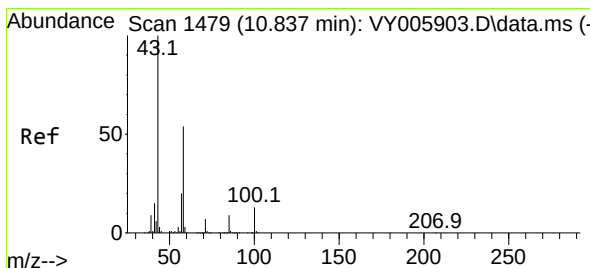
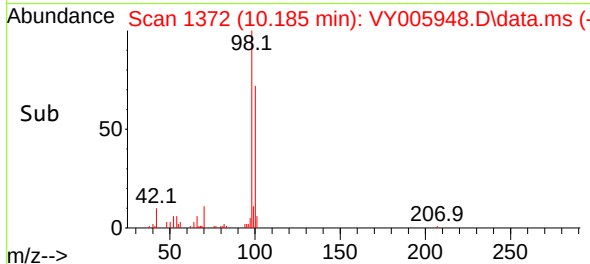
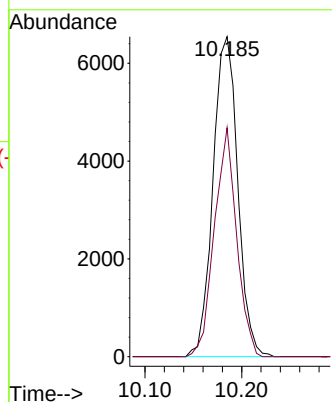
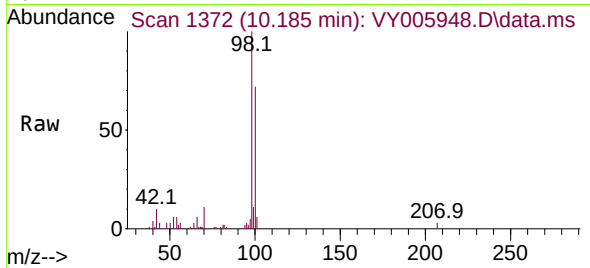




#50
Toluene-d8
Concen: 54.437 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

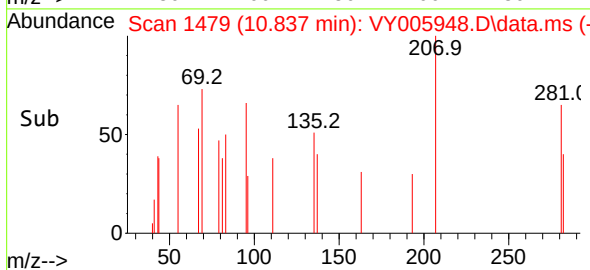
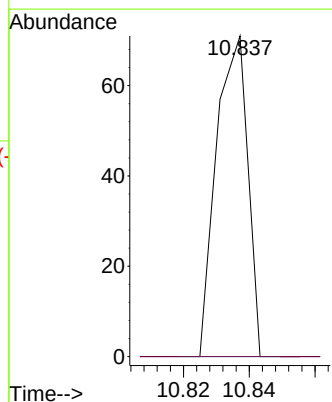
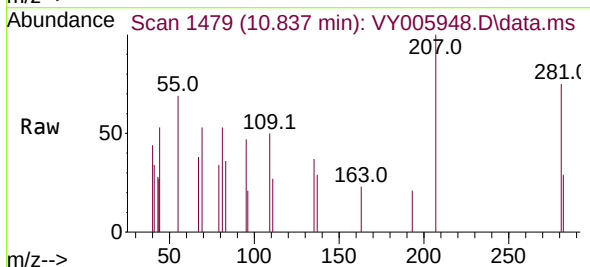
Instrument :
MSVOA_Y
ClientSampled :

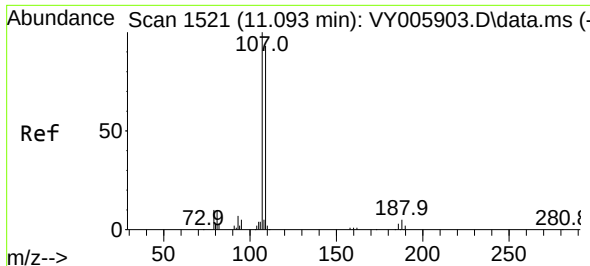
Tgt Ion: 98 Resp: 11618
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



#59
2-Hexanone
Concen: 1.346 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 43 Resp: 47
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#

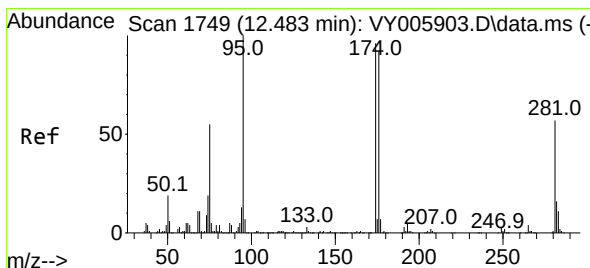
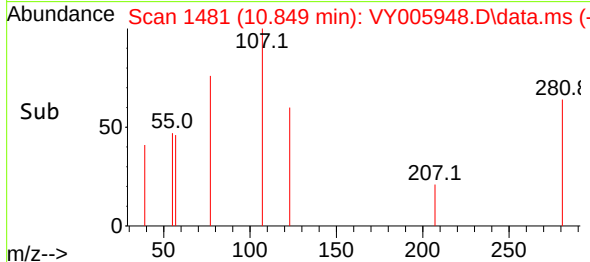
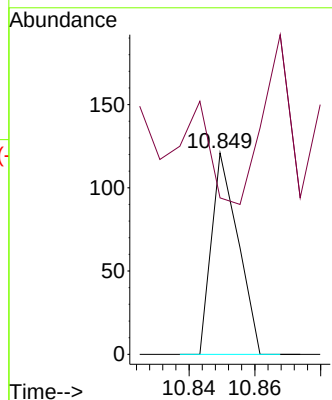
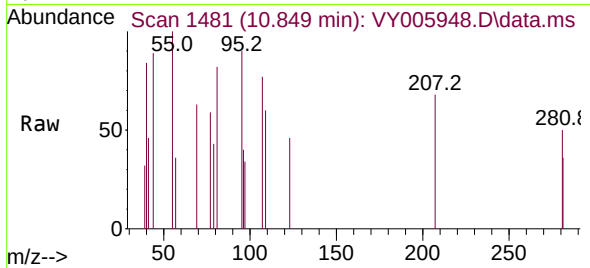




#61
1,2-Dibromoethane
Concen: 1.465 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. -0.244 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

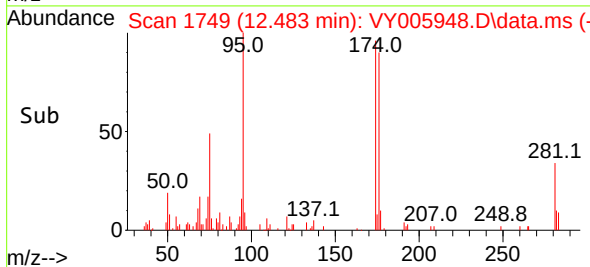
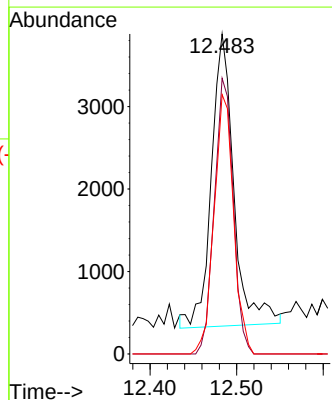
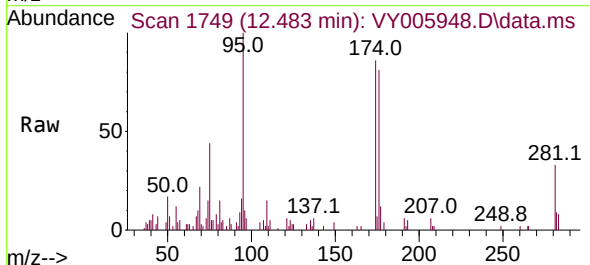
Instrument :
MSVOA_Y
ClientSampleId :

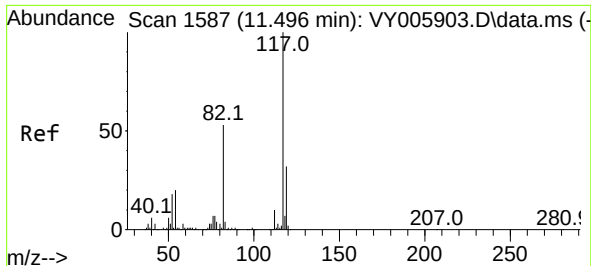
Tgt Ion:107 Resp: 68
Ion Ratio Lower Upper
107 100
109 100.0 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 88.833 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 95 Resp: 6366
Ion Ratio Lower Upper
95 100
174 79.2 0.0 192.4
176 77.1 0.0 186.8

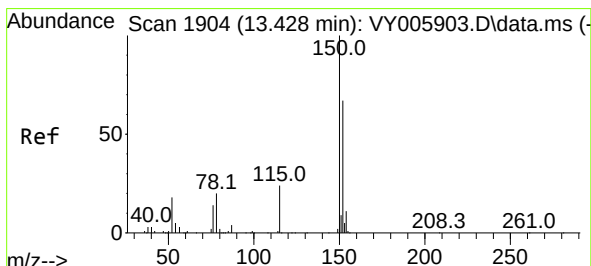
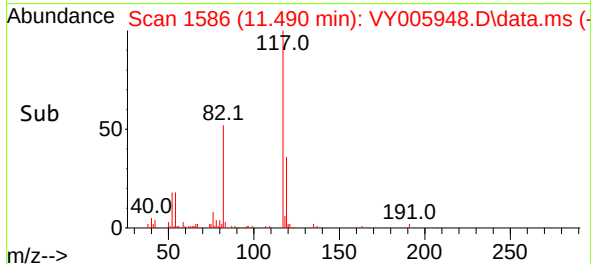
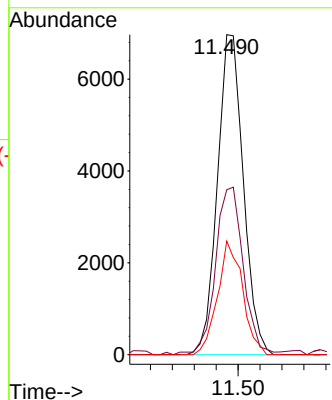
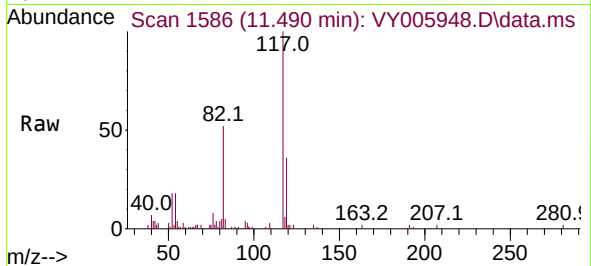




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

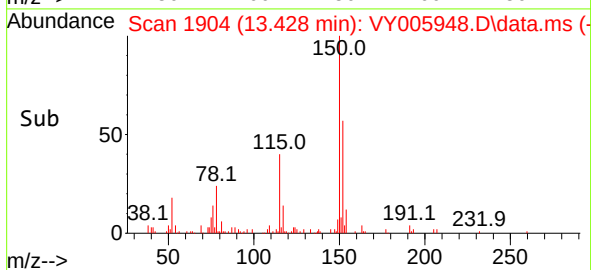
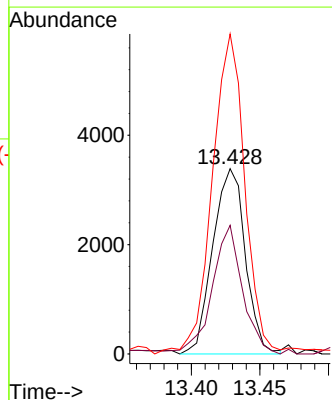
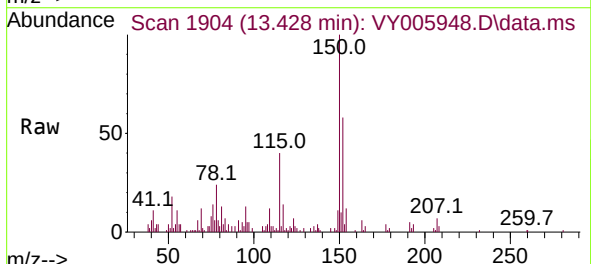
Instrument :
MSVOA_Y
ClientSampleId :

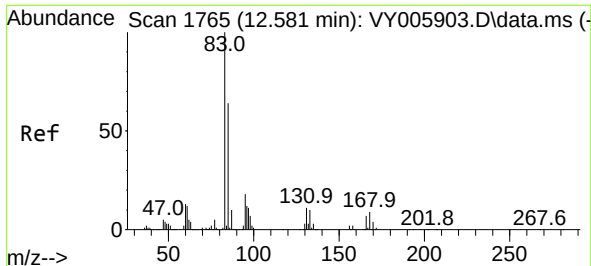
Tgt Ion:117 Resp: 11469
Ion Ratio Lower Upper
117 100
82 50.7 42.4 63.6
119 35.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion:152 Resp: 5597
Ion Ratio Lower Upper
152 100
115 64.8 26.8 80.4
150 175.6 0.0 345.6

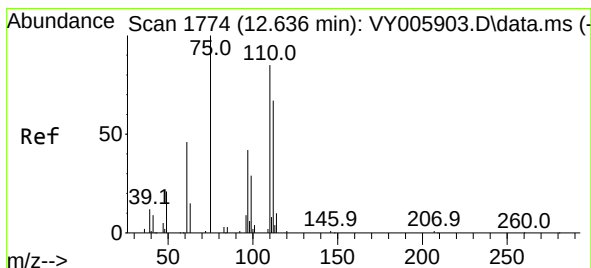
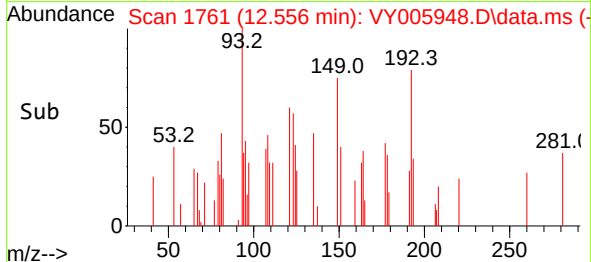
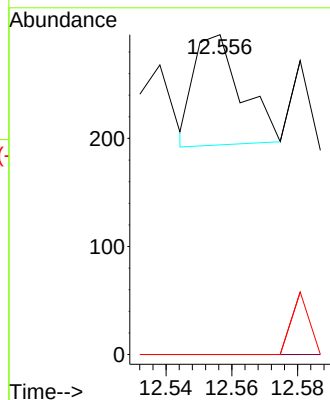
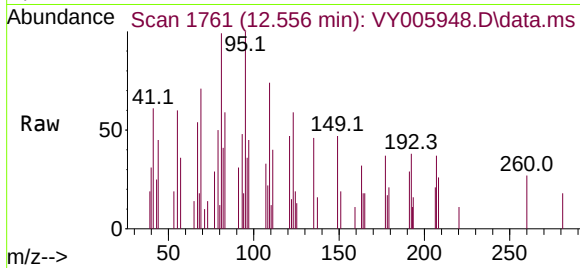




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.451 ug/l
 RT: 12.556 min Scan# 1761
 Delta R.T. -0.024 min
 Lab File: VY005948.D
 Acq: 07 Sep 2021 16:48

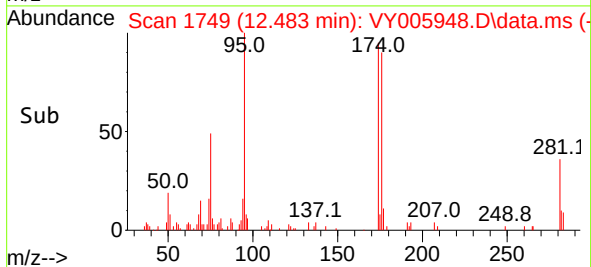
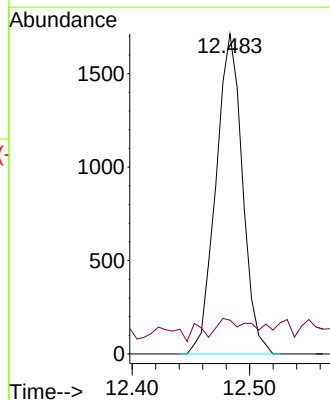
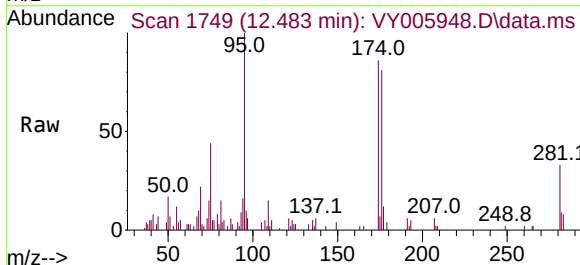
Instrument :
 MSVOA_Y
 ClientSampleId :

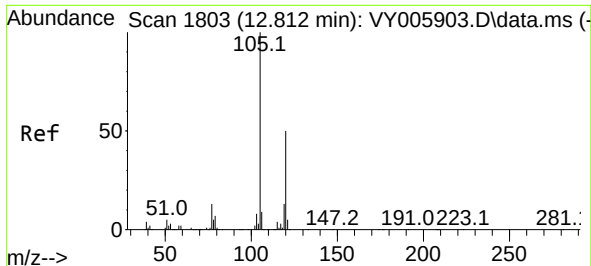
Tgt Ion: 83 Resp: 103
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.7 17.0#
 85 0.0 31.9 95.9#



#76
 1,2,3-Trichloropropane
 Concen: 51.311 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005948.D
 Acq: 07 Sep 2021 16:48

Tgt Ion: 75 Resp: 2688
 Ion Ratio Lower Upper
 75 100
 77 6.5 0.0 0.0#

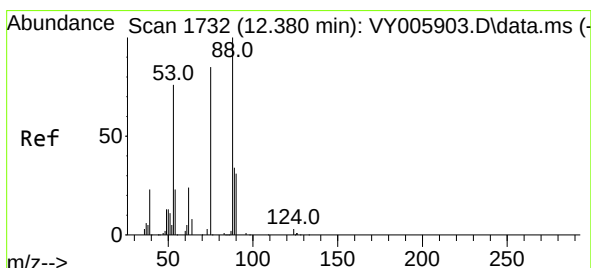
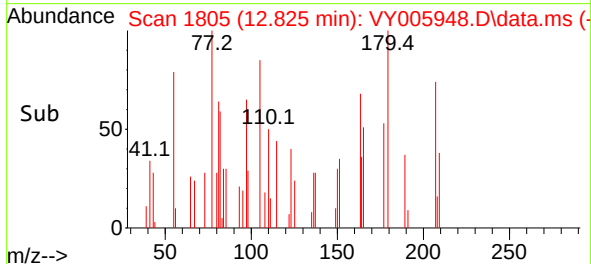
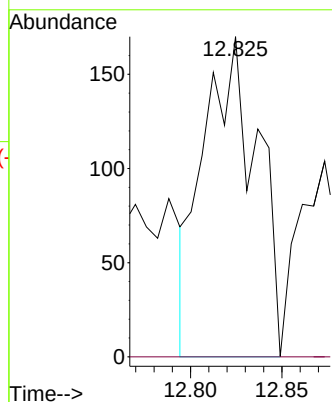
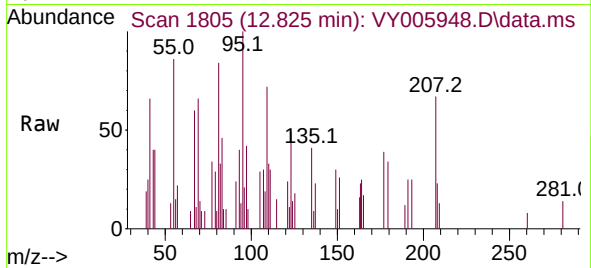




#80
1,3,5-Trimethylbenzene
Concen: 1.110 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.012 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

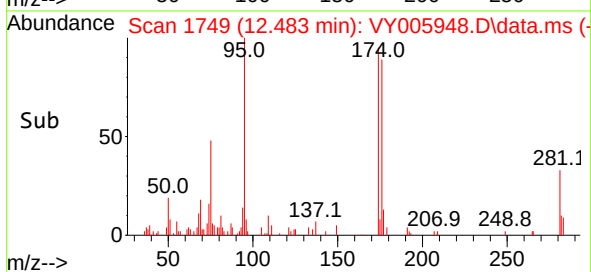
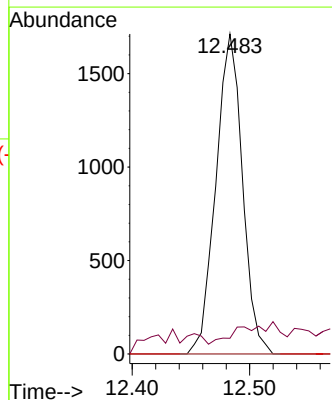
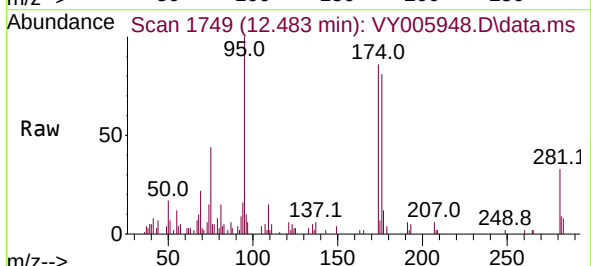
Instrument :
MSVOA_Y
ClientSampled :

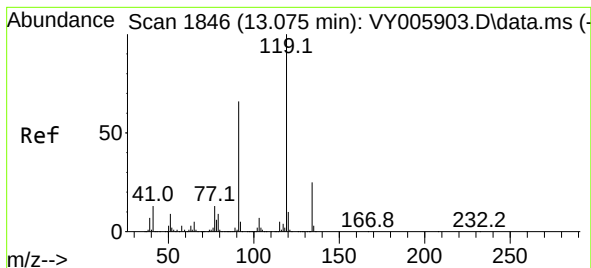
Tgt Ion:105 Resp: 347
Ion Ratio Lower Upper
105 100
120 0.0 25.2 75.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.583 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion: 75 Resp: 2688
Ion Ratio Lower Upper
75 100
53 2.7 71.8 107.8#
89 0.0 35.8 53.6#

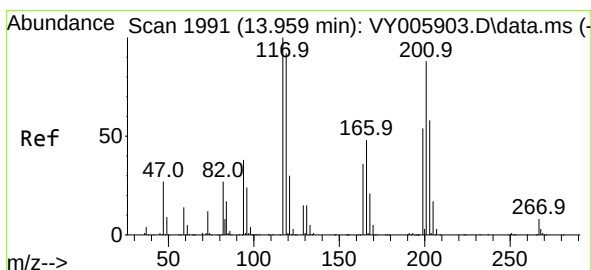
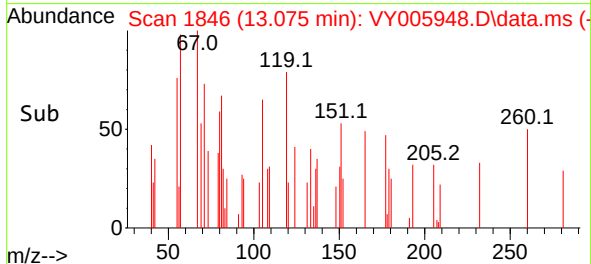
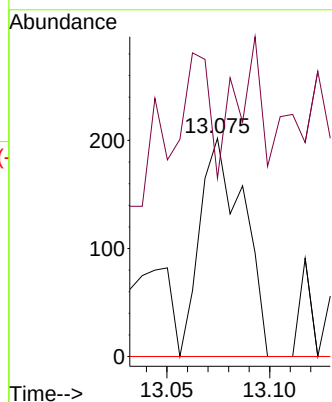
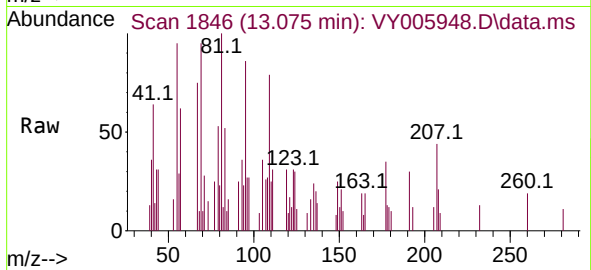




#83
tert-Butylbenzene
Concen: 1.091 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

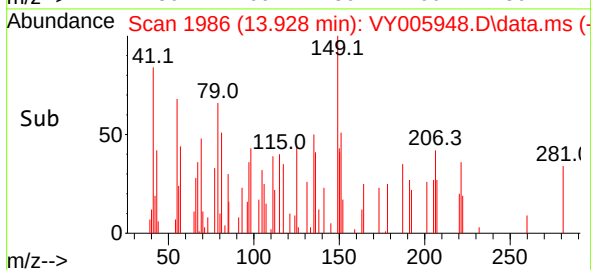
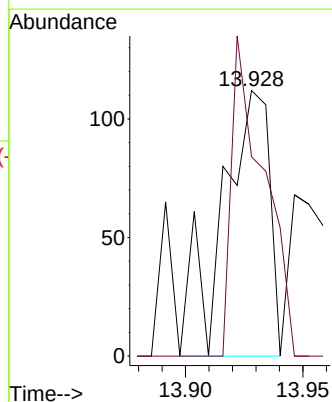
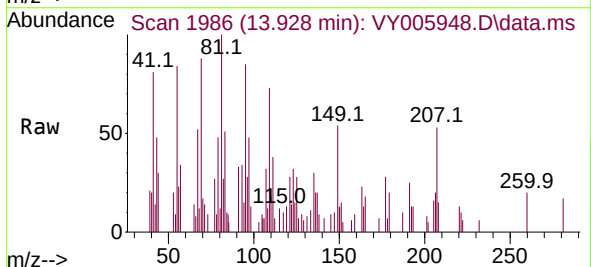
Instrument :
MSVOA_Y
ClientSampleId :

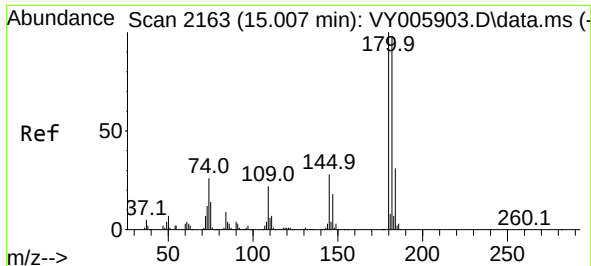
Tgt Ion:119 Resp: 298
Ion Ratio Lower Upper
119 100
91 62.4 32.4 97.0
134 0.0 13.5 40.5#



#90
Hexachloroethane
Concen: 2.495 ug/l
RT: 13.928 min Scan# 1986
Delta R.T. -0.030 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion:117 Resp: 158
Ion Ratio Lower Upper
117 100
201 81.0 47.2 141.6

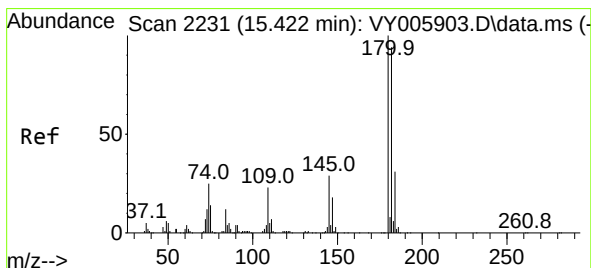
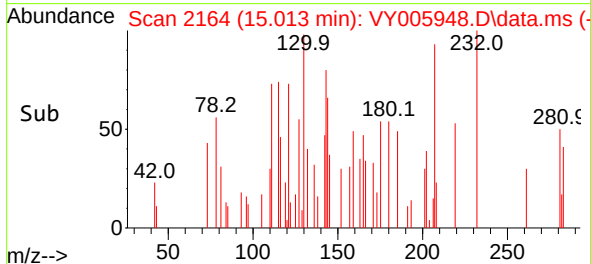
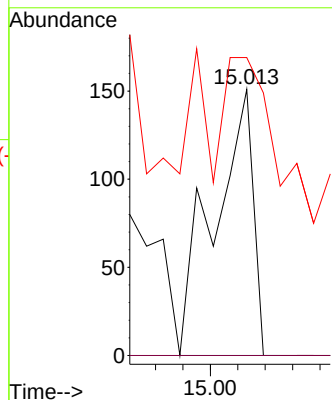
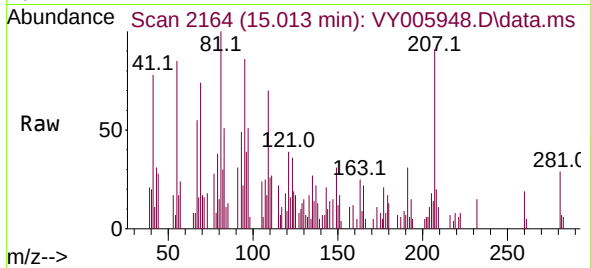




#93
1,2,4-Trichlorobenzene
Concen: 1.371 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion:180 Resp: 150
Ion Ratio Lower Upper
180 100
182 0.0 48.1 144.4#
145 77.3 13.9 41.6#



#96
1,2,3-Trichlorobenzene
Concen: 3.182 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY005948.D
Acq: 07 Sep 2021 16:48

Tgt Ion:180 Resp: 304
Ion Ratio Lower Upper
180 100
182 6.3 47.8 143.3#
145 152.6 14.2 42.8#

