

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080621\
 Data File : VY005569.D
 Acq On : 06 Aug 2021 14:40
 Operator : SY/MD
 Sample : M3294-01RE
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 07 06:18:37 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)

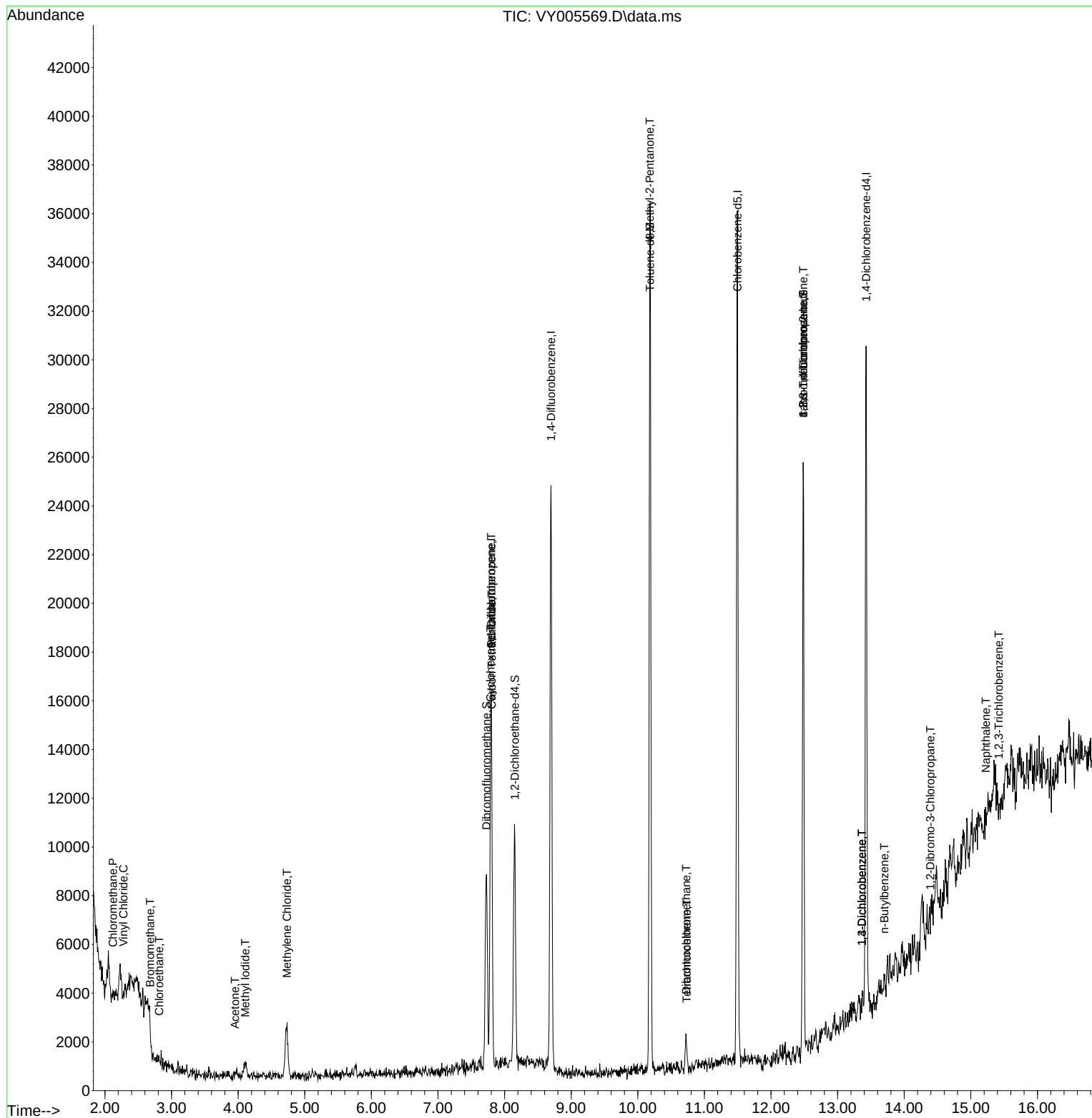
Internal Standards						
1) Pentafluorobenzene	7.801	168	12802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	20214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	18587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	7752	59.820	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.640%			
35) Dibromofluoromethane	7.728	113	5718	50.524	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.040%			
50) Toluene-d8	10.185	98	23917	50.390	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.483	95	7391	47.023	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.040%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	130	1.035	ug/l #	82
4) Vinyl Chloride	2.278	62	367	2.439	ug/l #	42
5) Bromomethane	2.680	94	237	2.393	ug/l	89
6) Chloroethane	2.814	64	153	1.685	ug/l #	42
10) Methyl Iodide	4.107	142	1158	8.507	ug/l #	89
16) Acetone	3.954	43	103	3.153	ug/l #	45
20) Methylene Chloride	4.735	84	1834	9.215	ug/l #	66
31) Cyclohexane	7.789	56	282	1.269	ug/l #	67
36) 1,1-Dichloropropene	7.801	75	911	4.805	ug/l #	41
38) Carbon Tetrachloride	7.807	117	1164	5.649	ug/l #	13
51) 4-Methyl-2-Pentanone	10.179	43	119	1.039	ug/l #	27
60) Dibromochloromethane	10.727	129	206	1.532	ug/l #	11
64) Tetrachloroethene	10.734	164	292	2.064	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	4053	53.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4053	108.673	ug/l #	11
87) 1,3-Dichlorobenzene	13.367	146	249	1.026	ug/l	88
88) 1,4-Dichlorobenzene	13.367	146	249	1.034	ug/l	88
89) n-Butylbenzene	13.703	91	501	1.184	ug/l #	59
92) 1,2-Dibromo-3-Chloropr...	14.391	75	19	1.029	ug/l #	1
95) Naphthalene	15.227	128	378	1.302	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	135	1.034	ug/l #	58

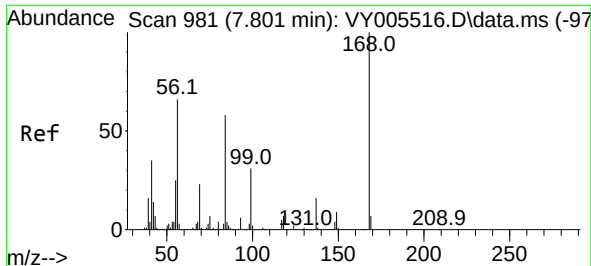
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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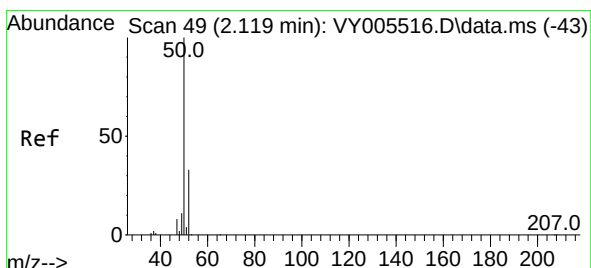
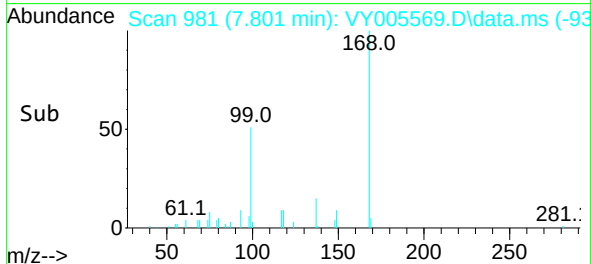
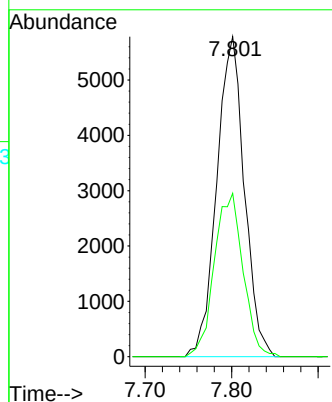
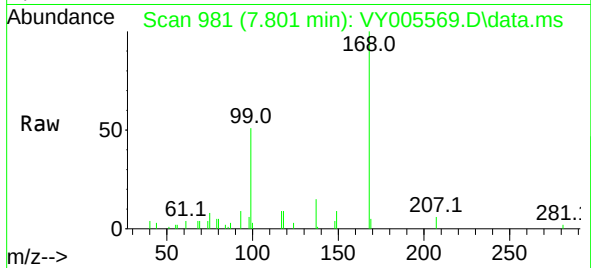




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

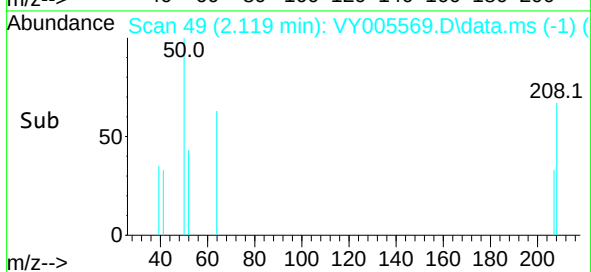
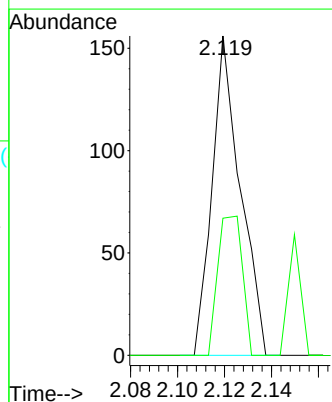
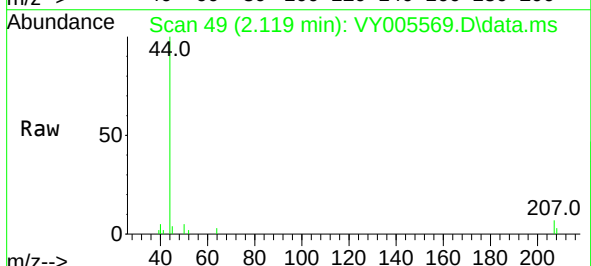
Instrument :
MSVOA_Y
ClientSampled :

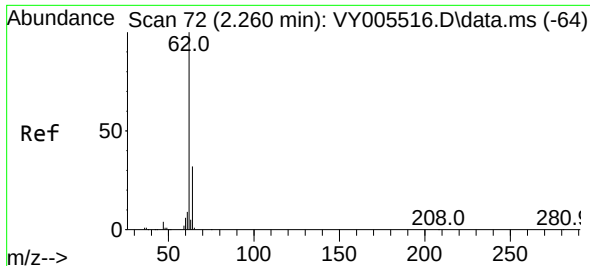
Tgt Ion:168 Resp: 12802
Ion Ratio Lower Upper
168 100
99 51.1 38.9 58.3



#3
Chloromethane
Concen: 1.035 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 42.9 26.4 39.6#

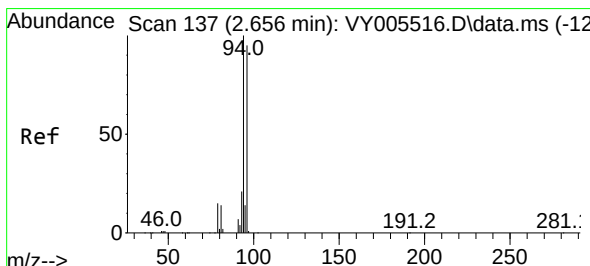
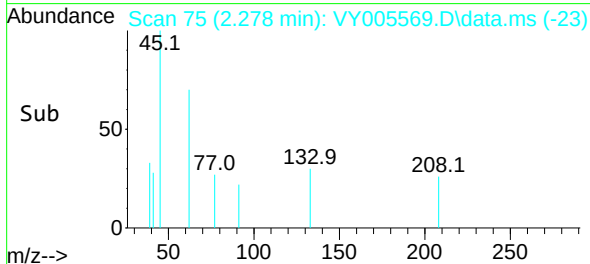
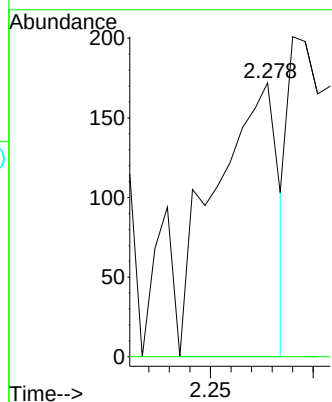
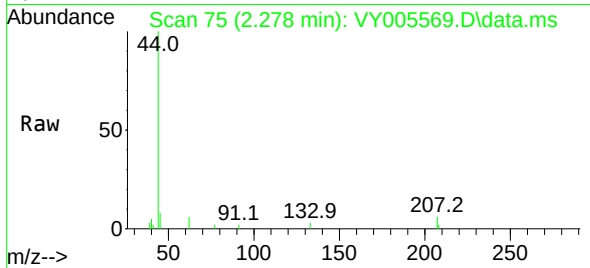




#4
 Vinyl Chloride
 Concen: 2.439 ug/l
 RT: 2.278 min Scan# 75
 Delta R.T. 0.018 min
 Lab File: VY005569.D
 Acq: 06 Aug 2021 14:40

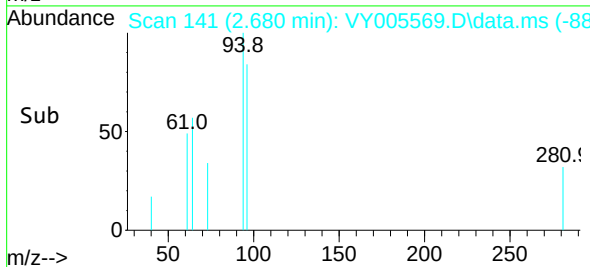
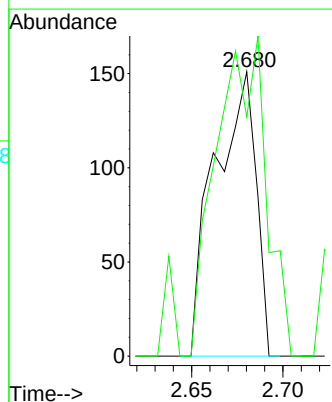
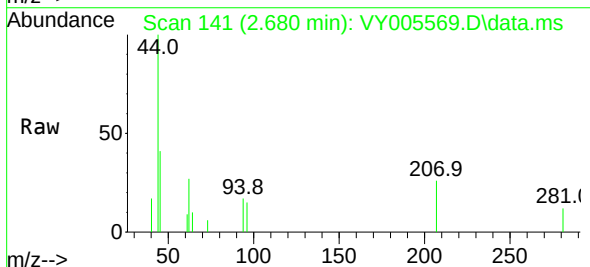
Instrument :
 MSVOA_Y
 ClientSampled :

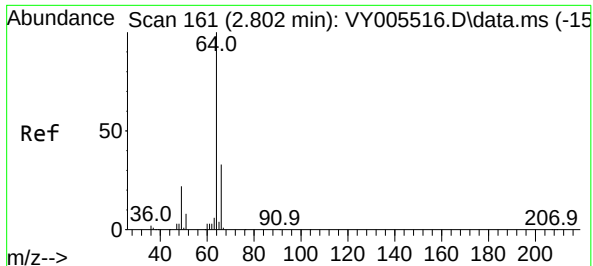
Tgt Ion: 62 Resp: 367
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.9 38.9#



#5
 Bromomethane
 Concen: 2.393 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY005569.D
 Acq: 06 Aug 2021 14:40

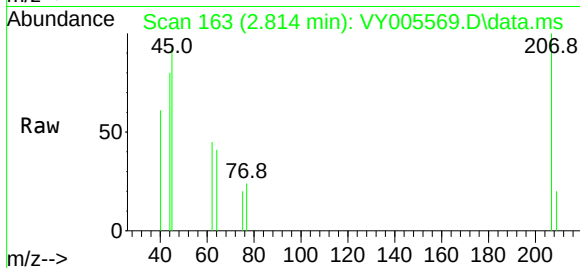
Tgt Ion: 94 Resp: 237
 Ion Ratio Lower Upper
 94 100
 96 84.1 75.7 113.5



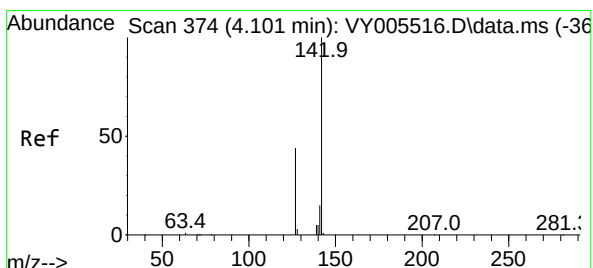
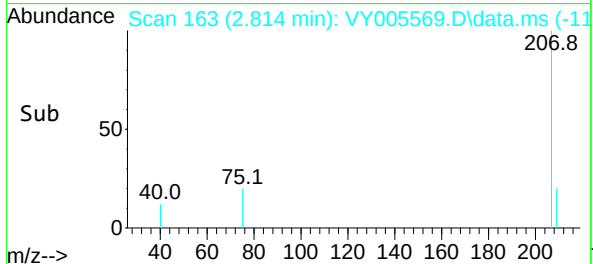
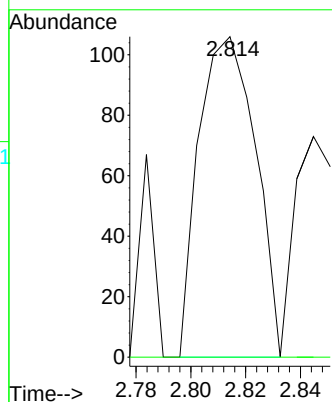


#6
Chloroethane
Concen: 1.685 ug/l
RT: 2.814 min Scan# 163
Delta R.T. 0.012 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

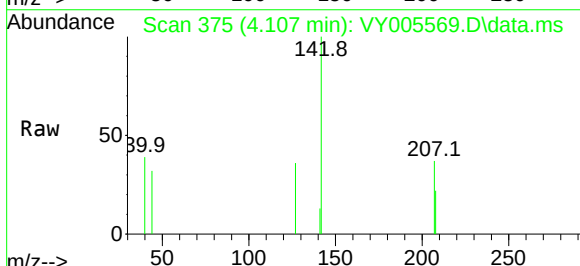
Instrument :
MSVOA_Y
ClientSampled :



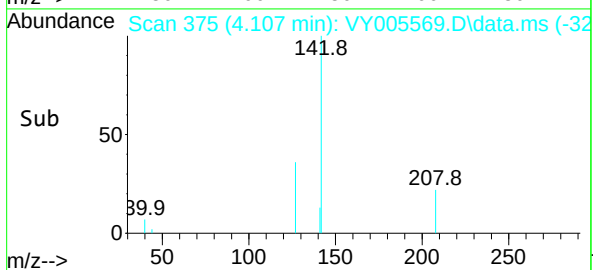
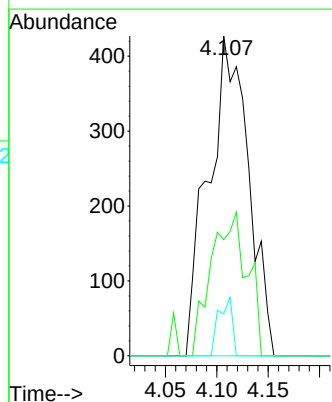
Tgt Ion: 64 Resp: 153
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

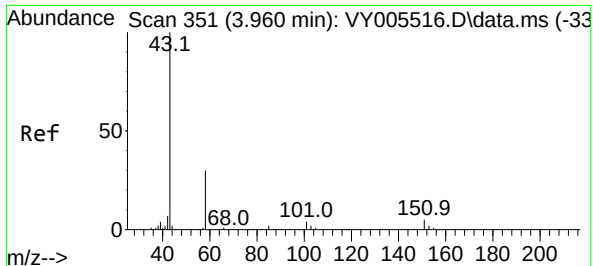


#10
Methyl Iodide
Concen: 8.507 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40



Tgt Ion: 142 Resp: 1158
Ion Ratio Lower Upper
142 100
127 40.5 36.6 54.8
141 6.1 12.2 18.4#

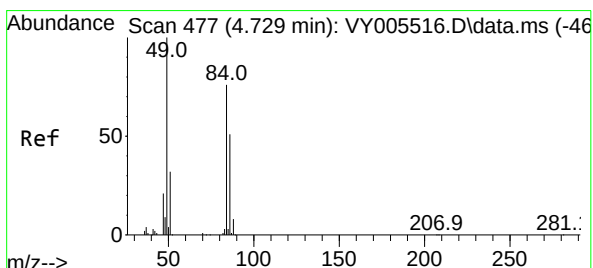
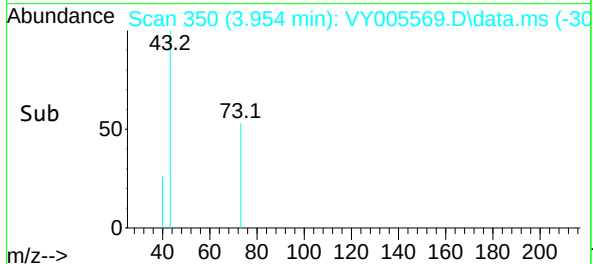
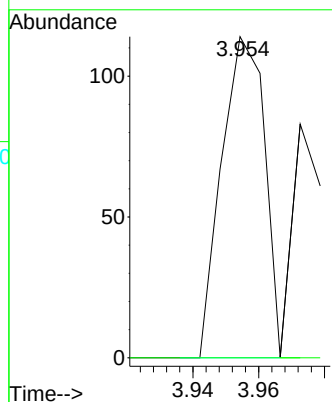
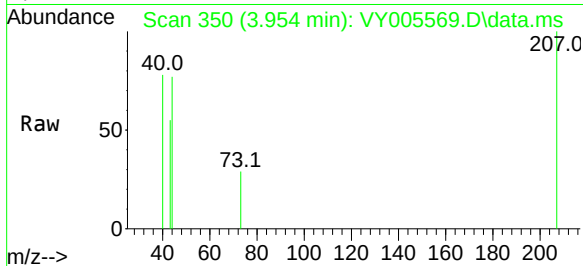




#16
Acetone
Concen: 3.153 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

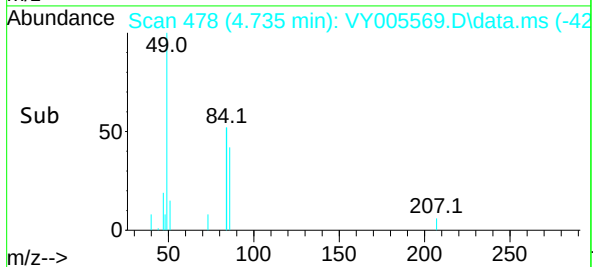
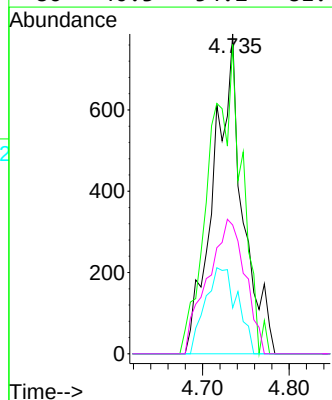
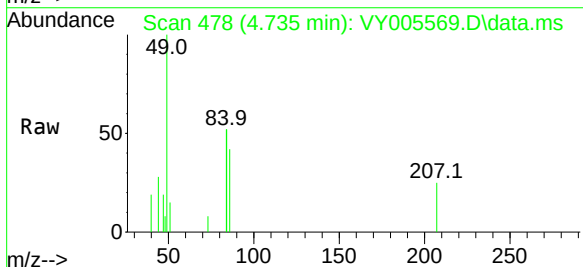
Instrument :
MSVOA_Y
ClientSampled :

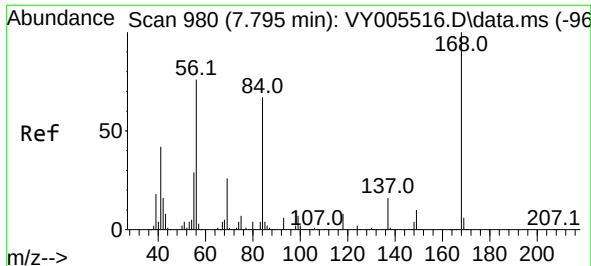
Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: 9.215 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

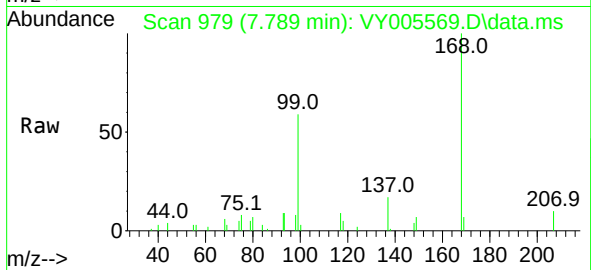
Tgt Ion: 84 Resp: 1834
Ion Ratio Lower Upper
84 100
49 96.7 105.8 158.6#
51 14.4 33.4 50.2#
86 40.3 54.2 81.4#



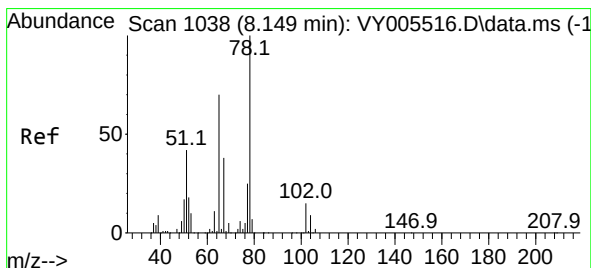
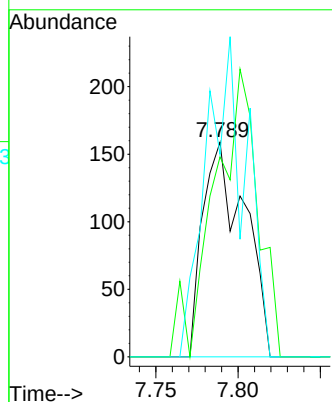
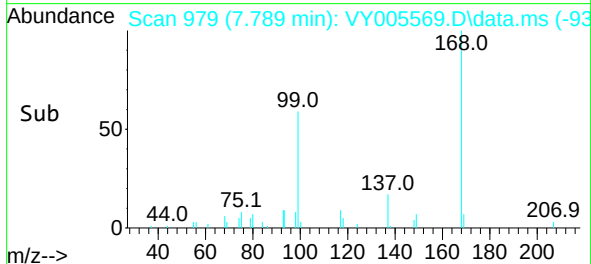


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

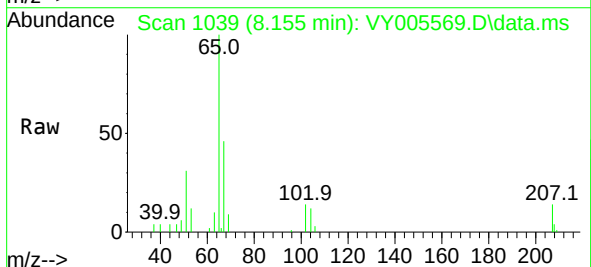
Instrument :
MSVOA_Y
ClientSampleId :



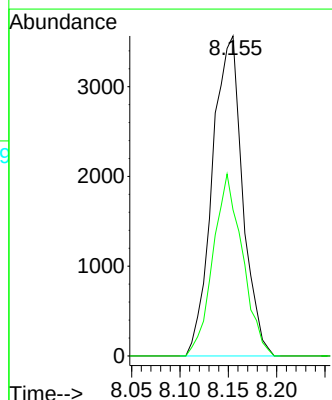
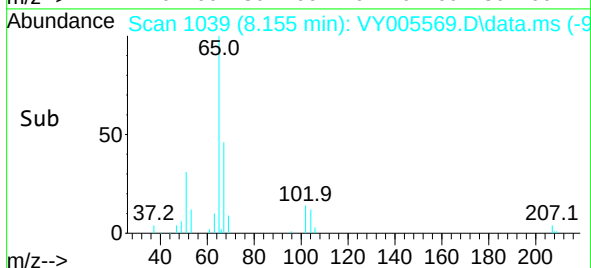
Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
69 93.1 27.7 41.5#
84 94.3 70.9 106.3

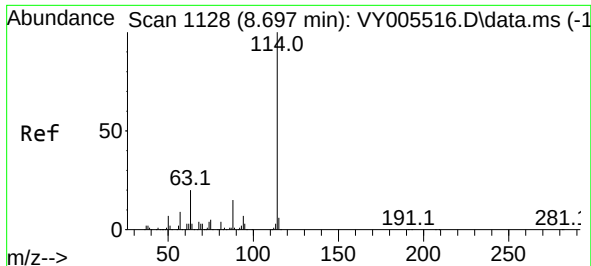


#33
1,2-Dichloroethane-d4
Concen: 59.820 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40



Tgt Ion: 65 Resp: 7752
Ion Ratio Lower Upper
65 100
67 55.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

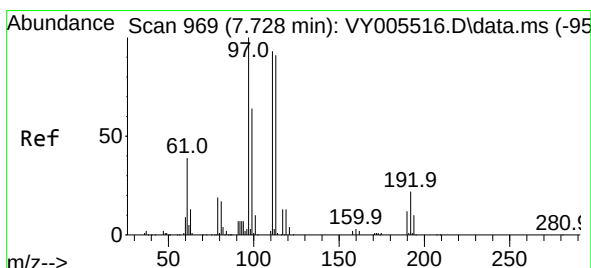
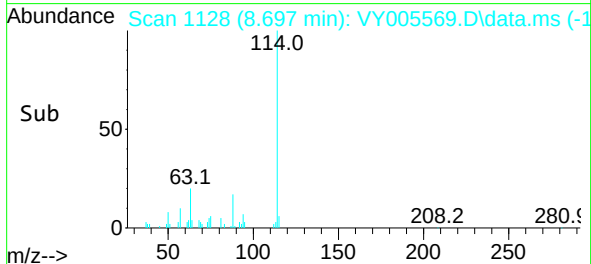
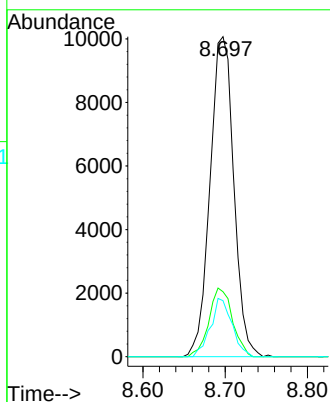
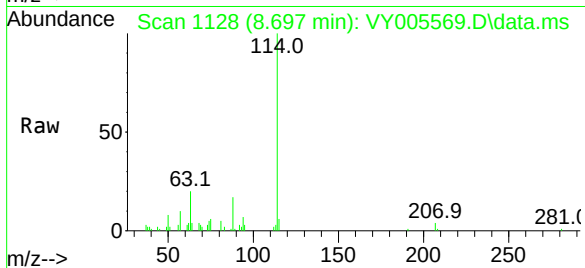
Delta R.T. 0.000 min

Lab File: VY005569.D

Acq: 06 Aug 2021 14:40

Tgt Ion:	114	Resp:	20214
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	39.2
88	17.5	0.0	30.8

Instrument :
MSVOA_Y
ClientSampled :



#35

Dibromofluoromethane

Concen: 50.524 ug/l

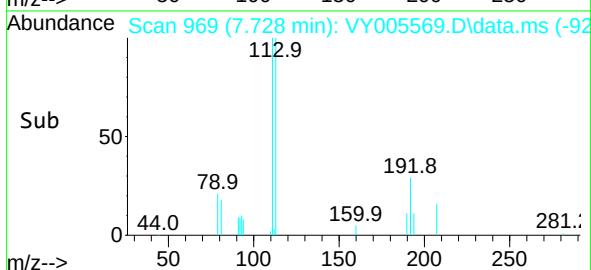
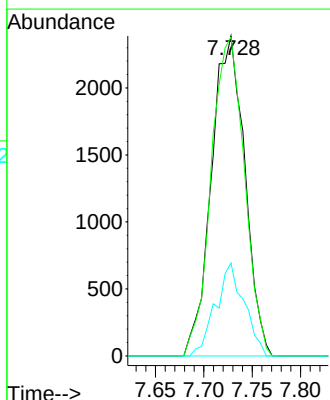
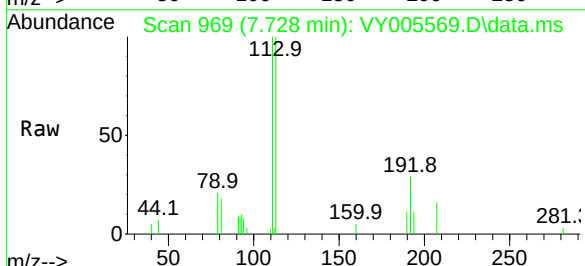
RT: 7.728 min Scan# 969

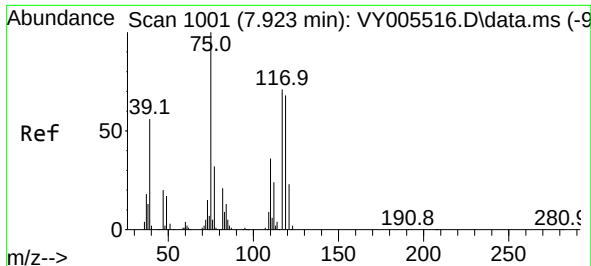
Delta R.T. 0.000 min

Lab File: VY005569.D

Acq: 06 Aug 2021 14:40

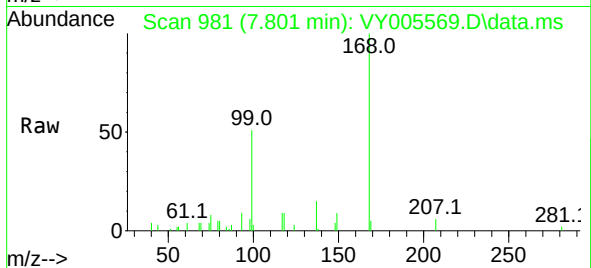
Tgt Ion:	113	Resp:	5718
Ion Ratio	Lower	Upper	
113	100		
111	99.2	81.9	122.9
192	24.9	19.2	28.8



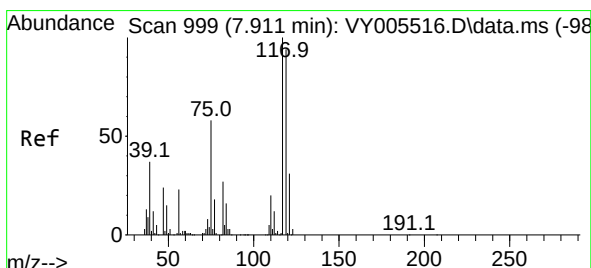
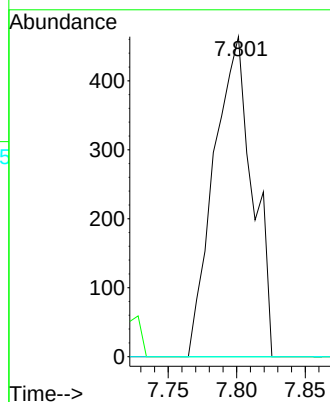
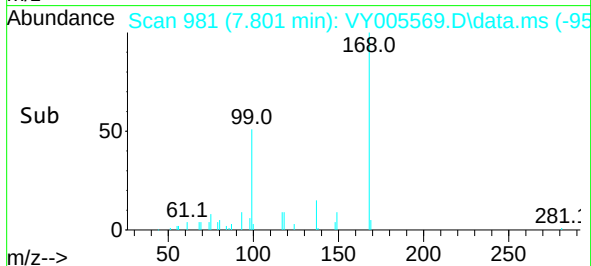


#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

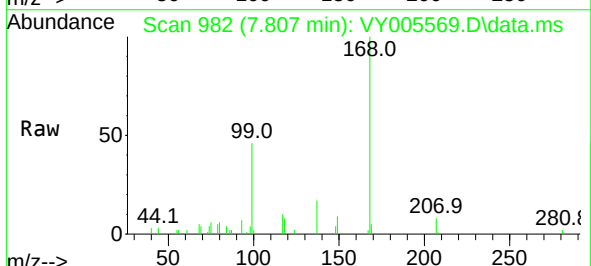
Instrument :
MSVOA_Y
ClientSampleId :



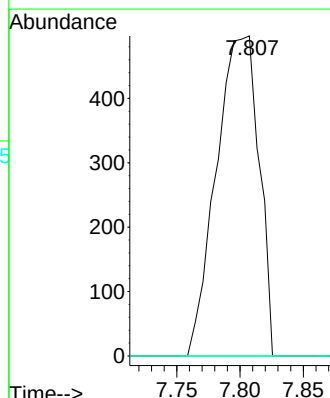
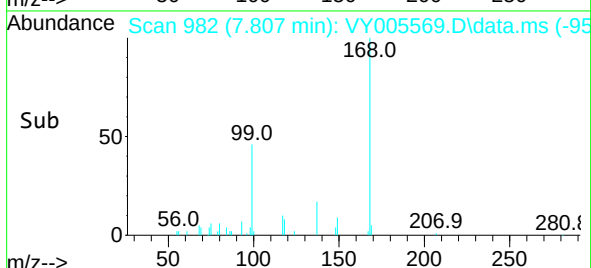
Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

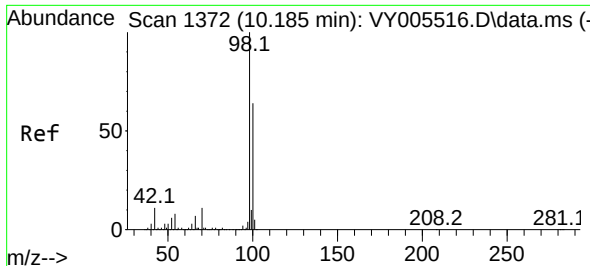


#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40



Tgt Ion: 117 Resp: 1164
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.1 37.7#

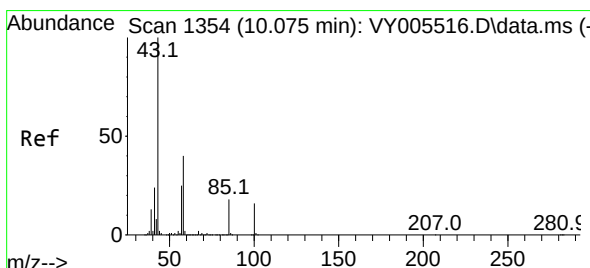
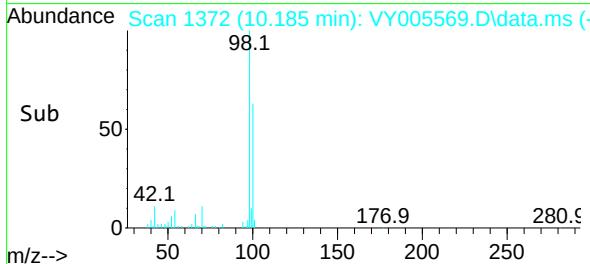
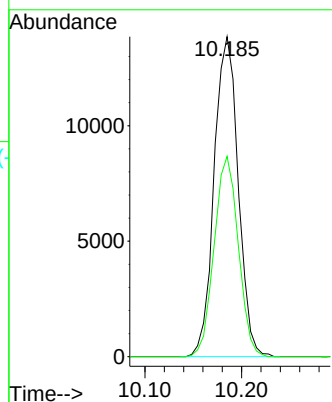
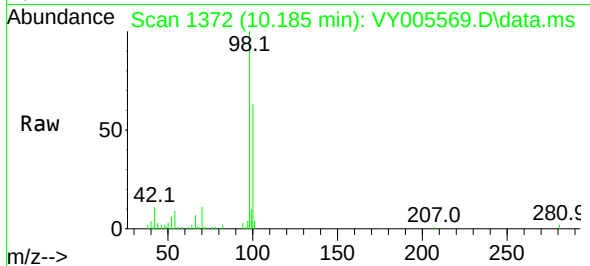




#50
Toluene-d8
Concen: 50.390 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

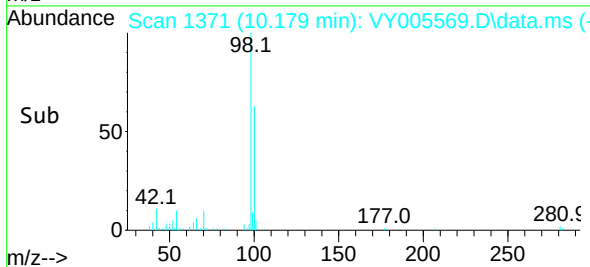
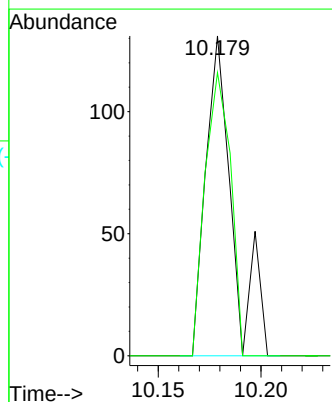
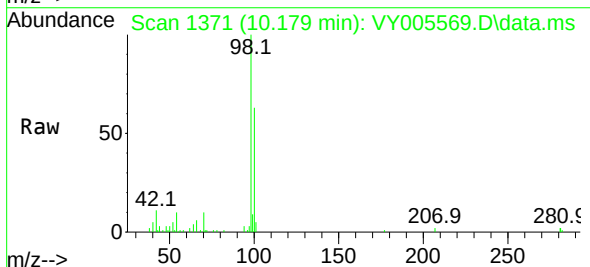
Instrument :
MSVOA_Y
ClientSampled :

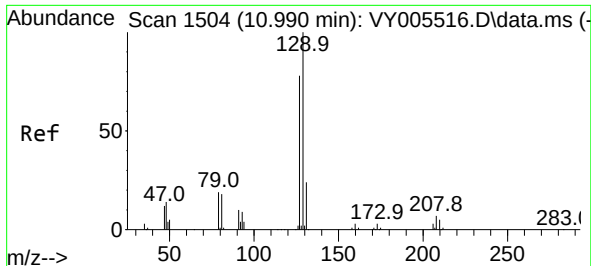
Tgt Ion: 98 Resp: 23917
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.039 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 84.0 31.4 47.2#

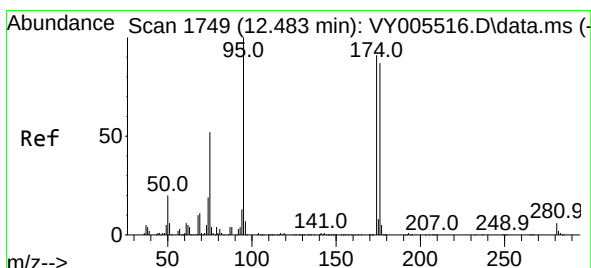
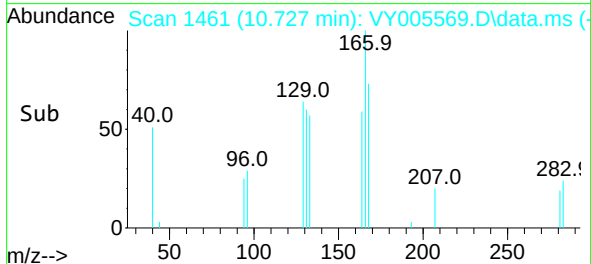
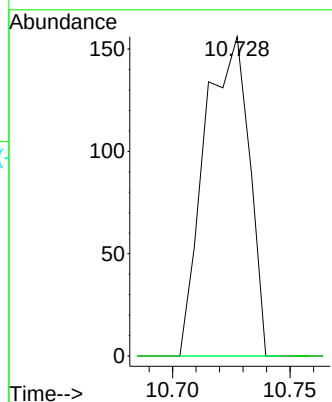
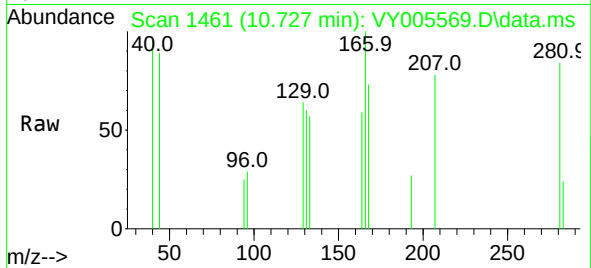




#60
Dibromochloromethane
Concen: 1.532 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.262 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

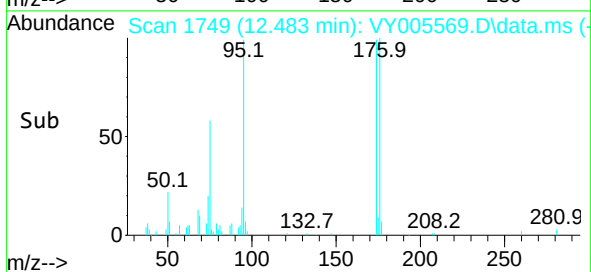
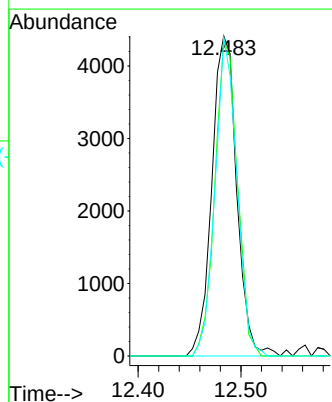
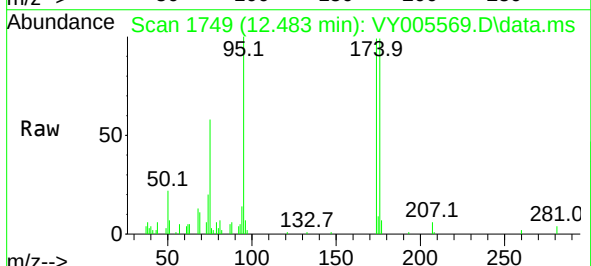
Instrument :
MSVOA_Y
ClientSampleId :

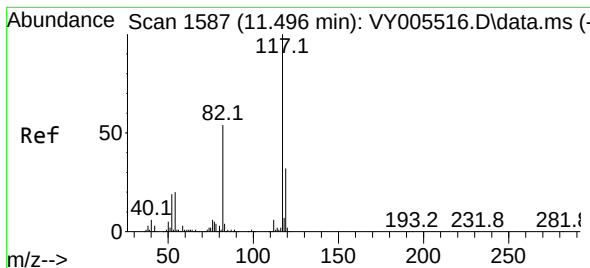
Tgt Ion:129 Resp: 206
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#



#62
4-Bromofluorobenzene
Concen: 47.023 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion: 95 Resp: 7391
Ion Ratio Lower Upper
95 100
174 89.6 0.0 191.4
176 87.4 0.0 183.6

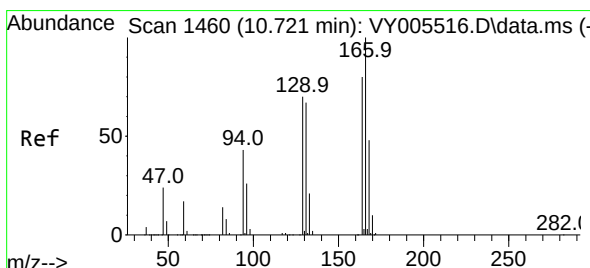
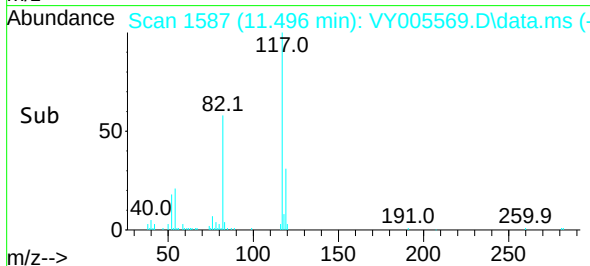
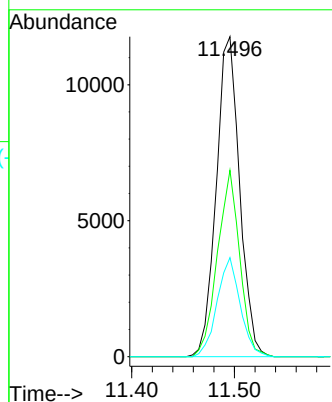
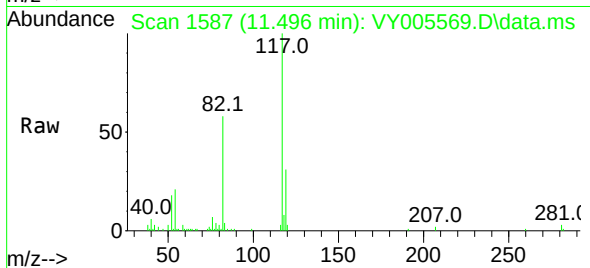




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

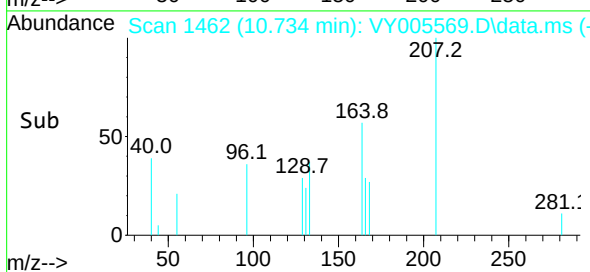
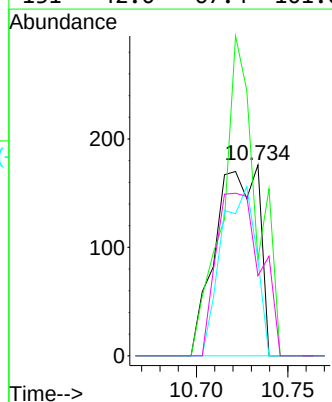
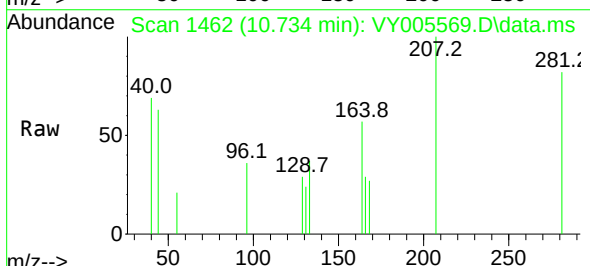
Instrument :
MSVOA_Y
ClientSampled :

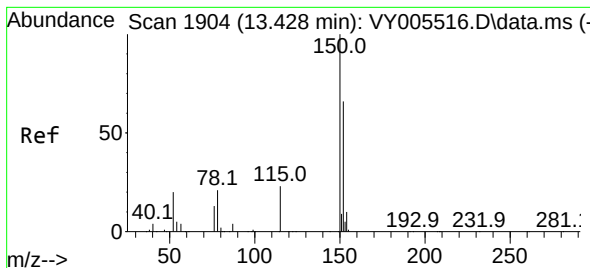
Tgt Ion:	117	Resp:	18587
Ion	Ratio	Lower	Upper
117	100		
82	58.2	43.5	65.3
119	31.0	25.5	38.3



#64
Tetrachloroethene
Concen: 2.064 ug/l
RT: 10.734 min Scan# 1462
Delta R.T. 0.012 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion:	164	Resp:	292
Ion	Ratio	Lower	Upper
164	100		
166	50.6	99.8	149.8#
129	50.6	70.1	105.1#
131	42.0	67.4	101.0#

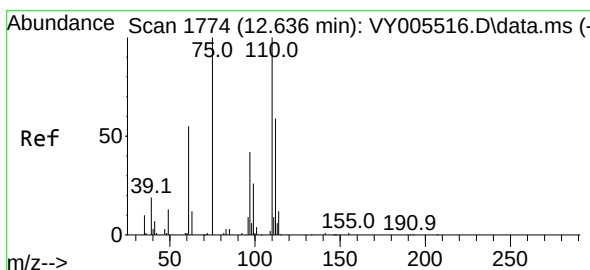
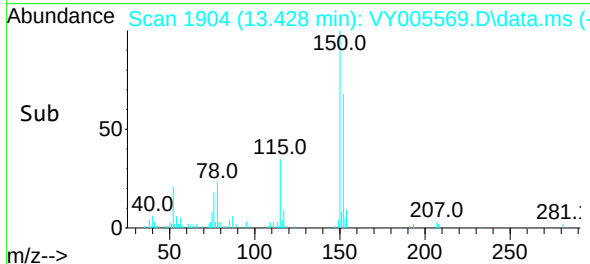
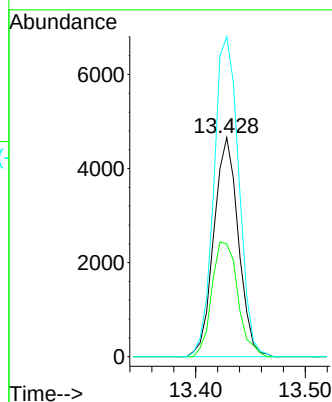
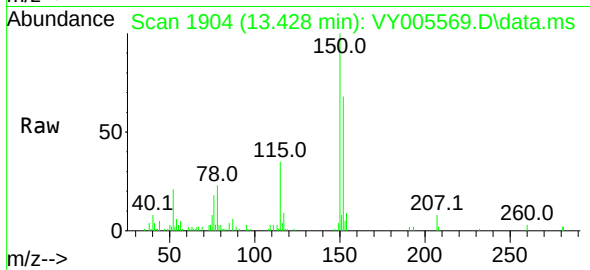




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY005569.D
 Acq: 06 Aug 2021 14:40

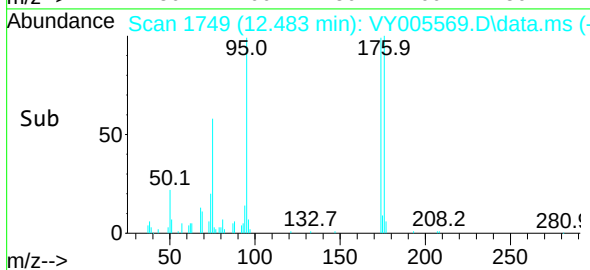
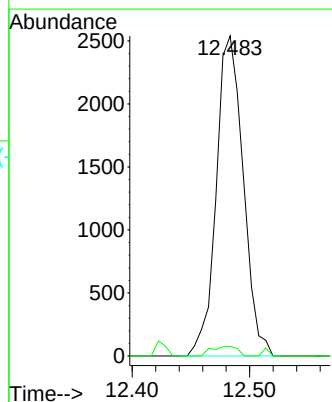
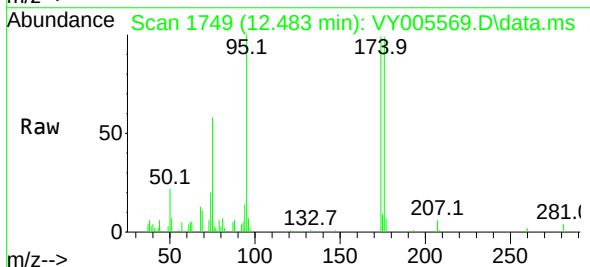
Instrument :
 MSVOA_Y
 ClientSampled :

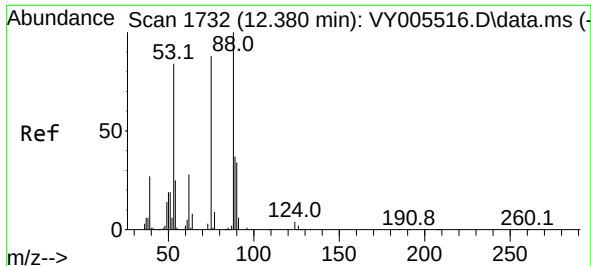
Tgt Ion:152 Resp: 7255
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.3 81.9
 150 148.3 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 53.909 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY005569.D
 Acq: 06 Aug 2021 14:40

Tgt Ion: 75 Resp: 4053
 Ion Ratio Lower Upper
 75 100
 77 2.9 0.0 0.0#

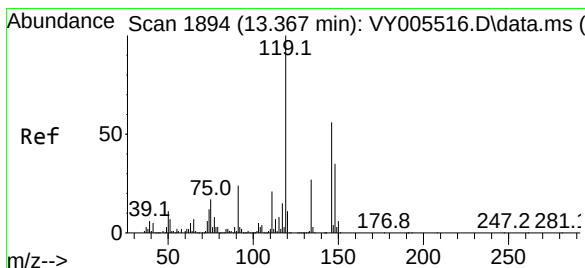
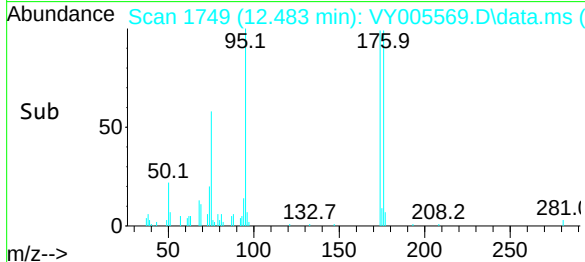
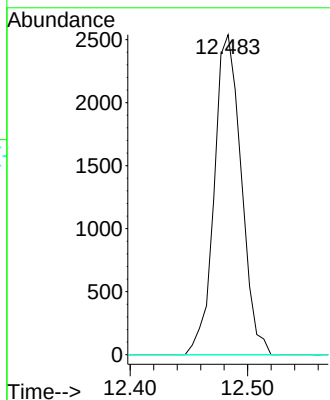
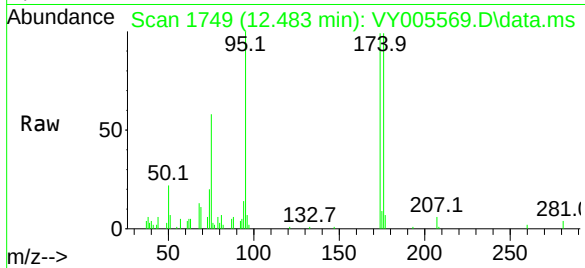




#81
trans-1,4-Dichloro-2-butene
Concen: 108.673 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

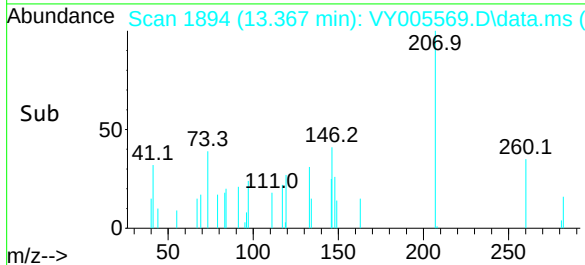
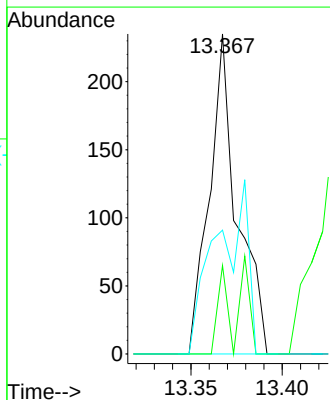
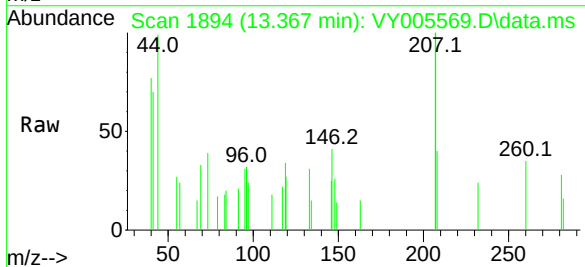
Instrument :
MSVOA_Y
ClientSampleId :

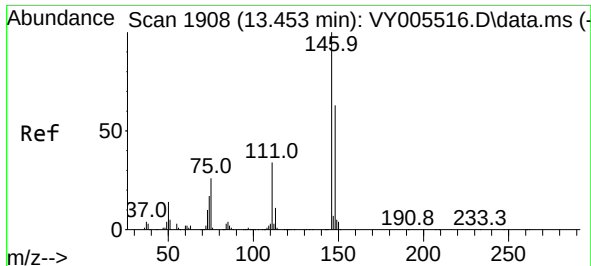
Tgt Ion: 75 Resp: 4053
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#87
1,3-Dichlorobenzene
Concen: 1.026 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion:146 Resp: 249
Ion Ratio Lower Upper
146 100
111 20.1 18.6 56.0
148 61.4 31.7 95.1

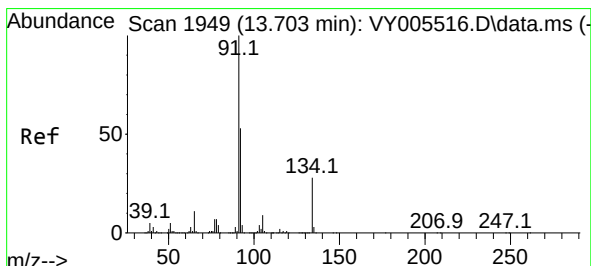
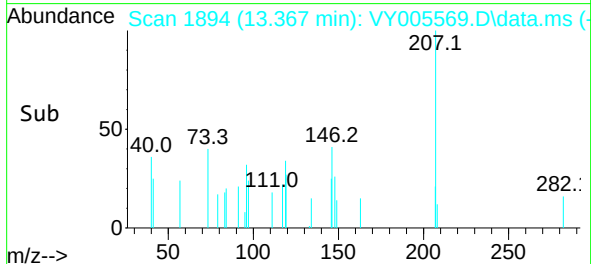
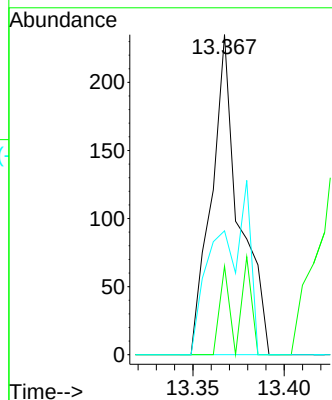
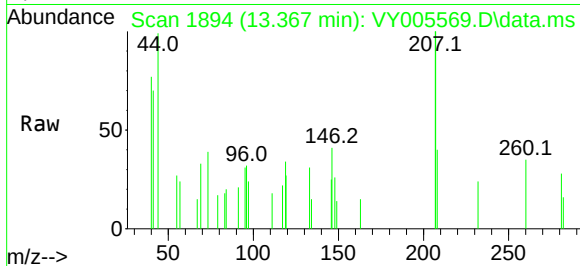




#88
1,4-Dichlorobenzene
Concen: 1.034 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.085 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

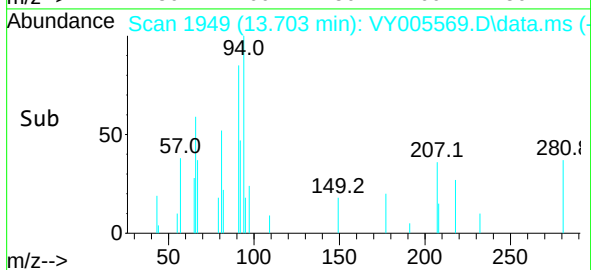
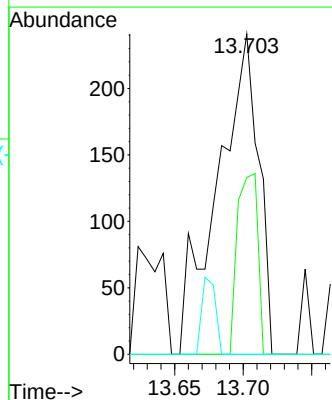
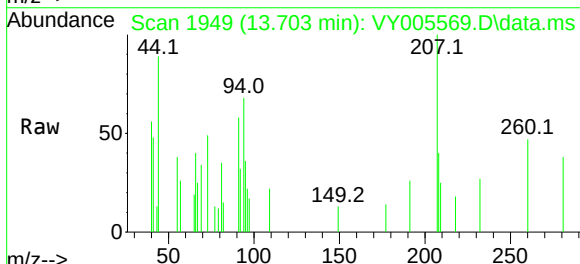
Instrument :
MSVOA_Y
ClientSampleId :

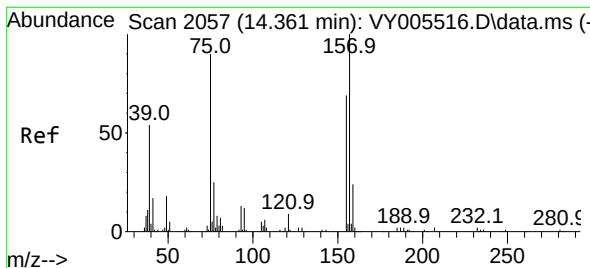
Tgt Ion:146	Resp:	249
Ion Ratio	Lower	Upper
146	100	
111	20.1	18.1 54.3
148	61.4	31.8 95.3



#89
n-Butylbenzene
Concen: 1.184 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

Tgt Ion: 91	Resp:	501
Ion Ratio	Lower	Upper
91	100	
92	28.1	26.7 80.1
134	0.0	13.8 41.4#

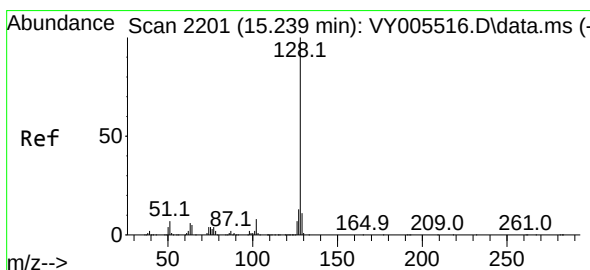
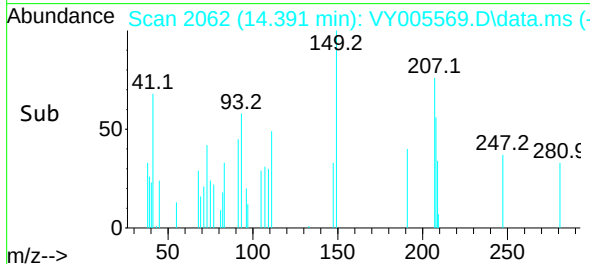
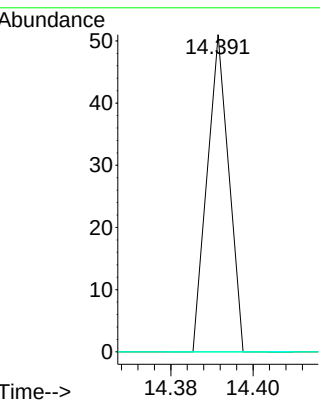
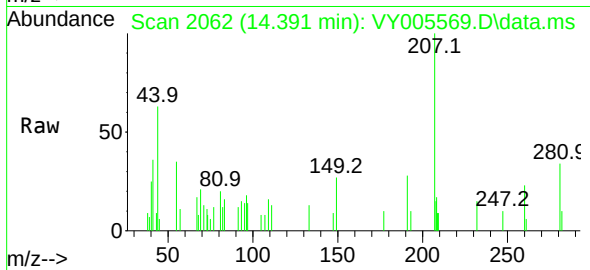




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.029 ug/l
RT: 14.391 min Scan# 2062
Delta R.T. 0.030 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

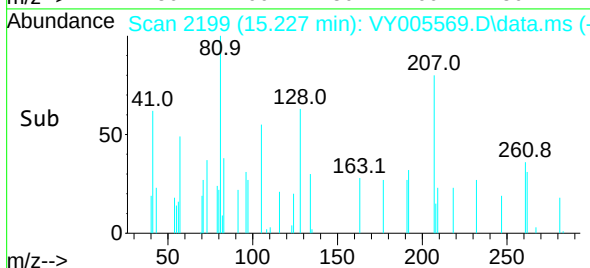
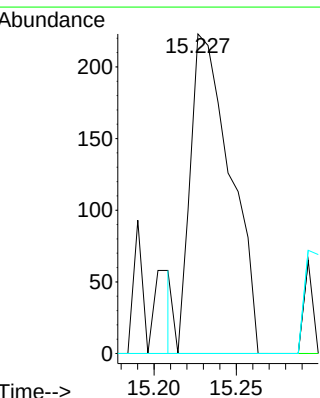
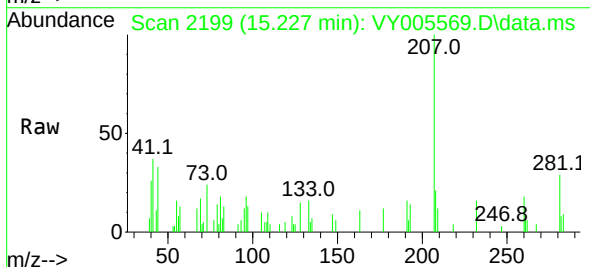
Instrument :
MSVOA_Y
ClientSampleId :

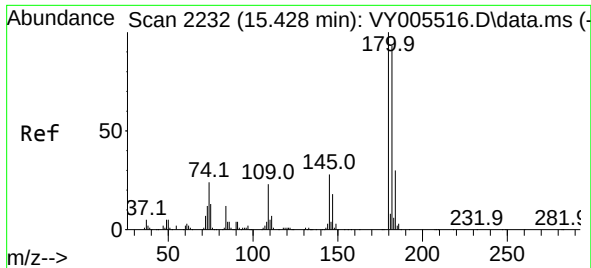
Tgt Ion: 75	Resp:	19
Ion Ratio	Lower	Upper
75	100	
155	0.0	42.4 127.1#
157	0.0	56.0 168.2#



#95
Naphthalene
Concen: 1.302 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.012 min
Lab File: VY005569.D
Acq: 06 Aug 2021 14:40

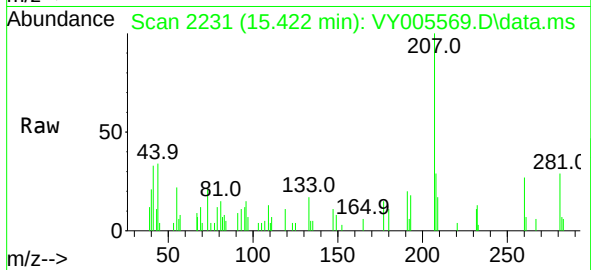
Tgt Ion: 128	Resp:	378
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.034 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. -0.006 min
 Lab File: VY005569.D
 Acq: 06 Aug 2021 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	135
Ion	Ratio	Lower	Upper
180	100		
182	58.5	47.9	143.6
145	0.0	14.6	44.0#

