

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081721\
 Data File : VY005719.D
 Acq On : 17 Aug 2021 18:39
 Operator : SY/MD
 Sample : M3430-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1

Quant Time: Aug 18 01:53:12 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)

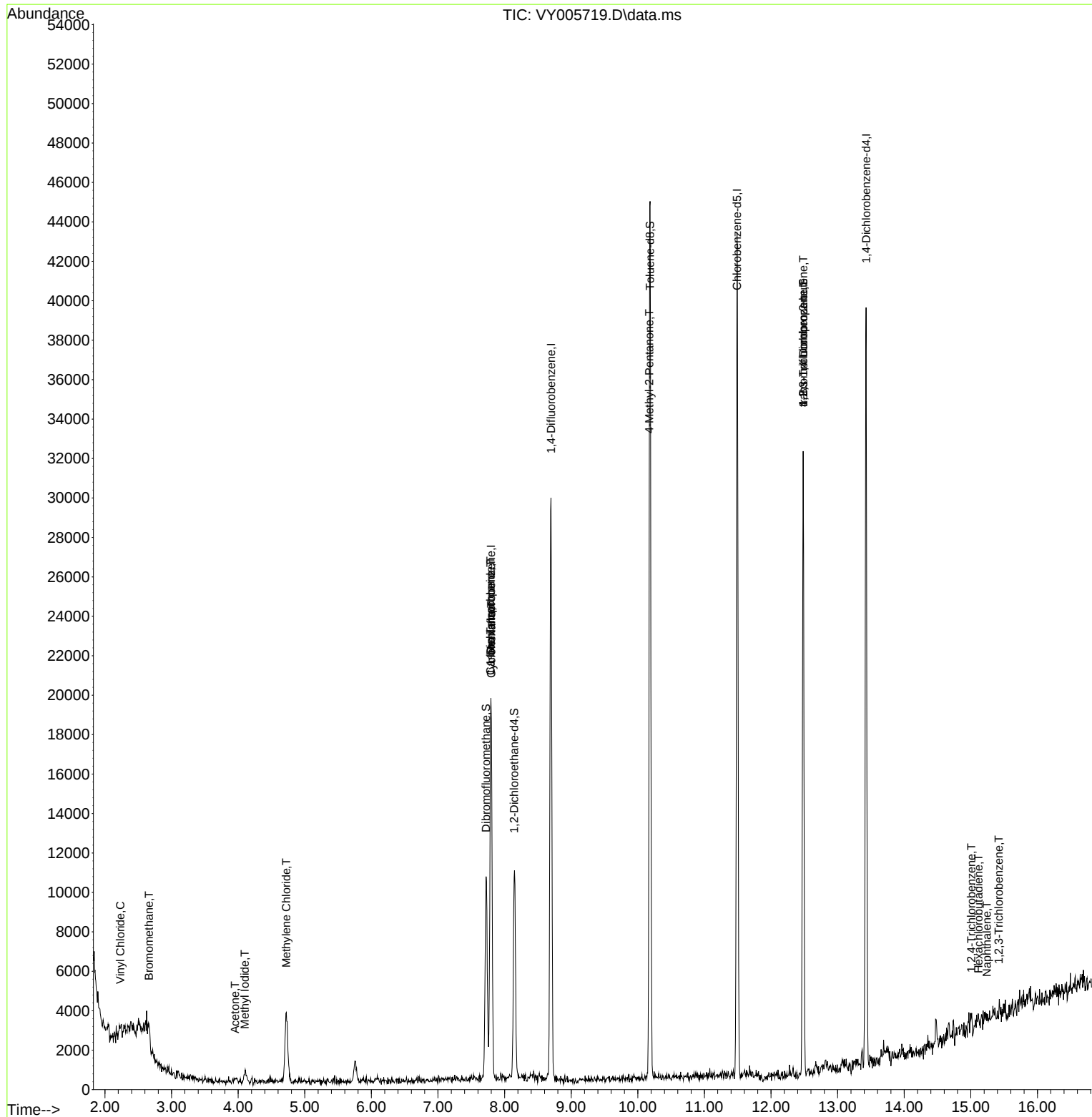
Internal Standards						
1) Pentafluorobenzene	7.795	168	15917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	24575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	22181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	8840	54.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.740%			
35) Dibromofluoromethane	7.722	113	7099	51.596	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.185	98	30175	52.293	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.483	95	8948	46.827	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.660%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	201	1.075	ug/l #	42
5) Bromomethane	2.662	94	154	1.251	ug/l	85
10) Methyl Iodide	4.101	142	610	3.604	ug/l #	94
16) Acetone	3.954	43	311	7.656	ug/l #	45
20) Methylene Chloride	4.722	84	2491	10.704	ug/l #	96
31) Cyclohexane	7.801	56	325	1.176	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	1207	5.237	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1473	5.880	ug/l #	13
51) 4-Methyl-2-Pentanone	10.173	43	166	1.192	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	4710	46.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4710	94.194	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.007	180	242	1.225	ug/l #	59
94) Hexachlorobutadiene	15.117	225	163	1.275	ug/l #	35
95) Naphthalene	15.239	128	536	1.377	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.422	180	205	1.172	ug/l #	74

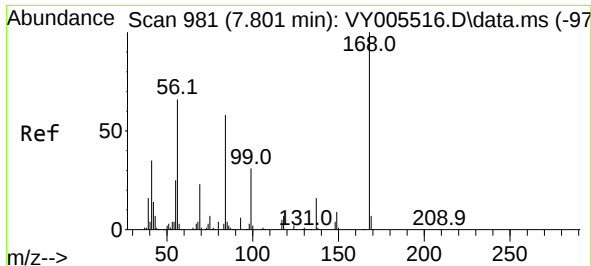
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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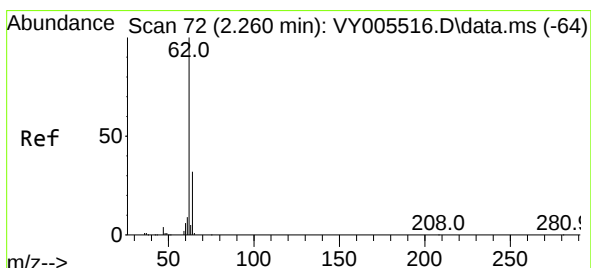
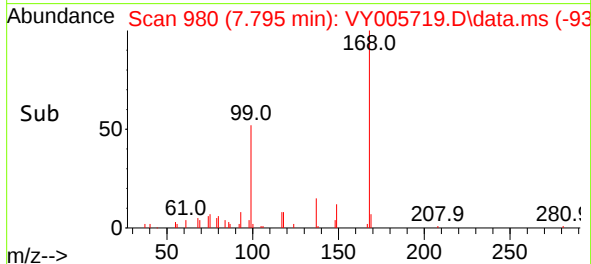
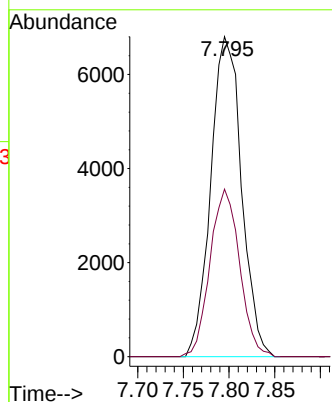
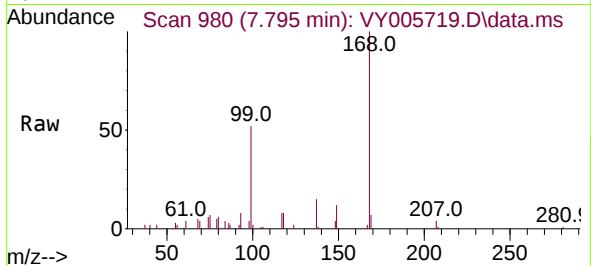




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

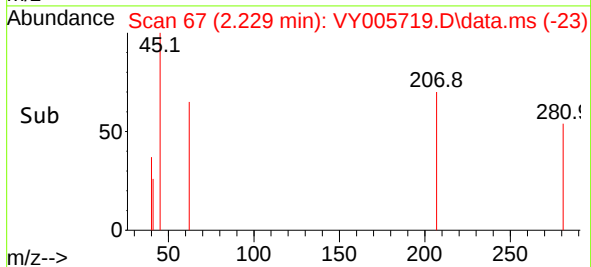
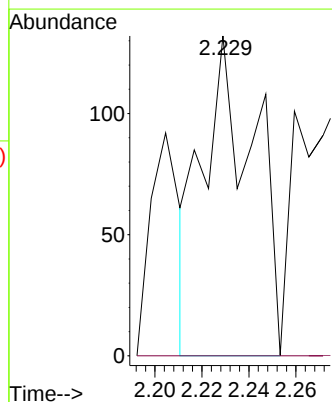
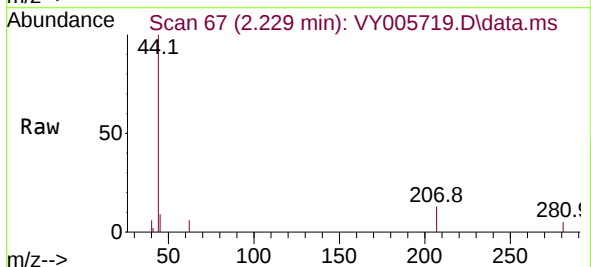
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

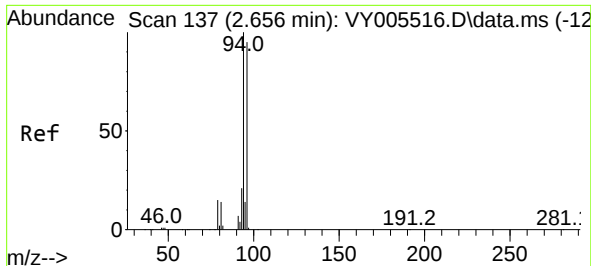
Tgt Ion:168 Resp: 15917
Ion Ratio Lower Upper
168 100
99 52.4 38.9 58.3



#4
Vinyl Chloride
Concen: 1.075 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.031 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion: 62 Resp: 201
Ion Ratio Lower Upper
62 100
64 0.0 25.9 38.9#

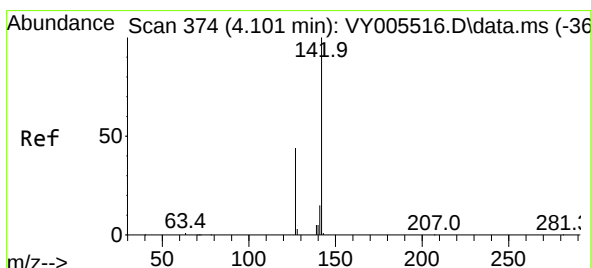
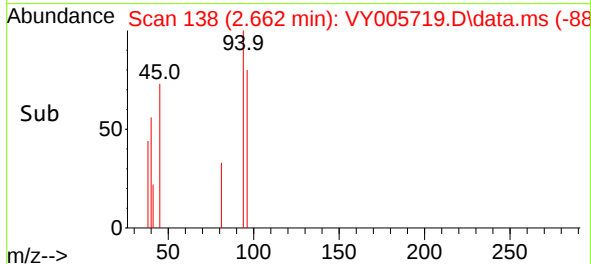
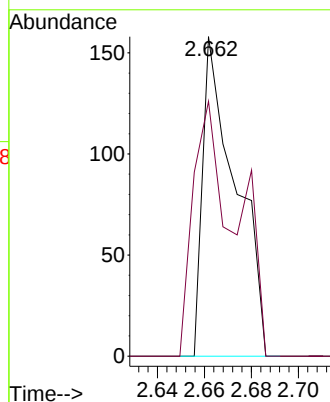
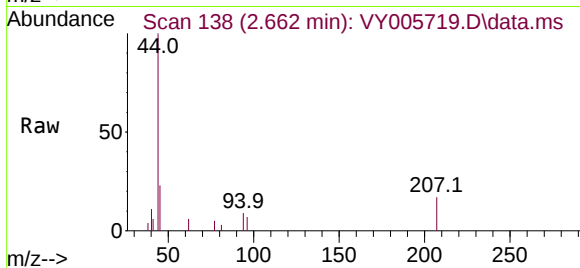




#5
Bromomethane
Concen: 1.251 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

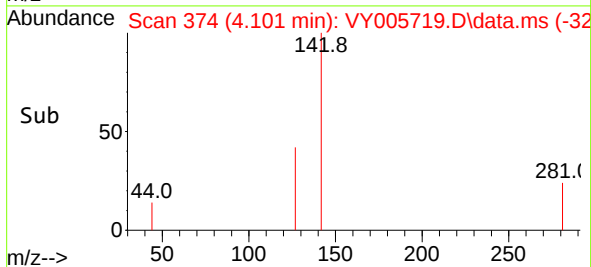
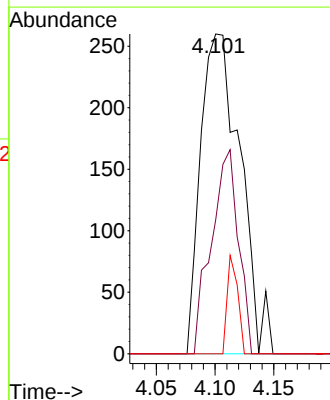
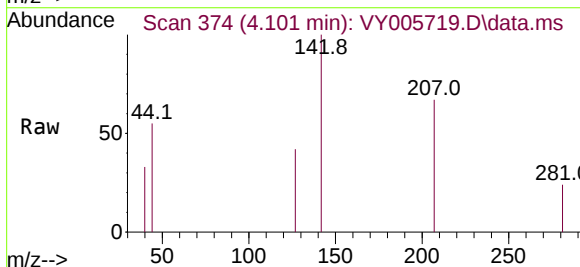
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

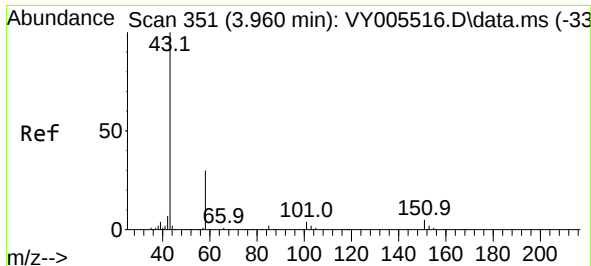
Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 79.7 75.7 113.5



#10
Methyl Iodide
Concen: 3.604 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion: 142 Resp: 610
Ion Ratio Lower Upper
142 100
127 43.8 36.6 54.8
141 8.2 12.2 18.4#

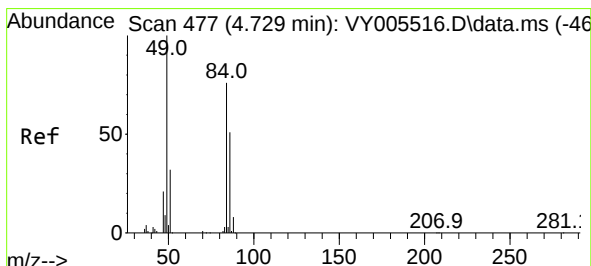
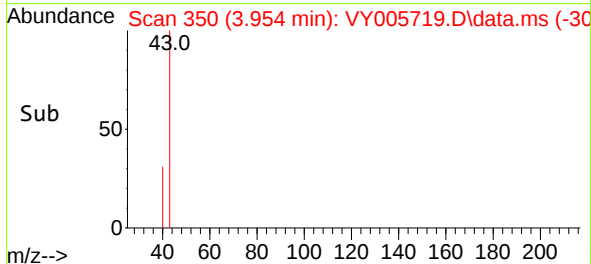
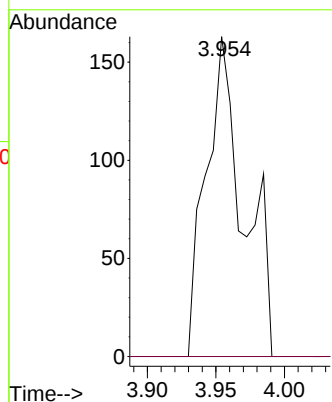
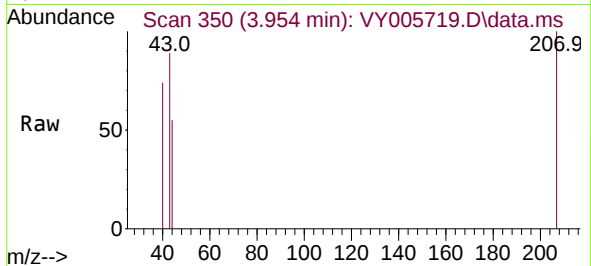




#16
Acetone
Concen: 7.656 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

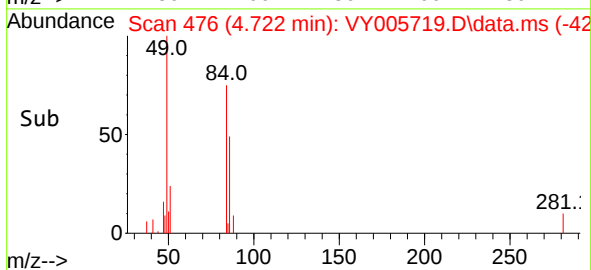
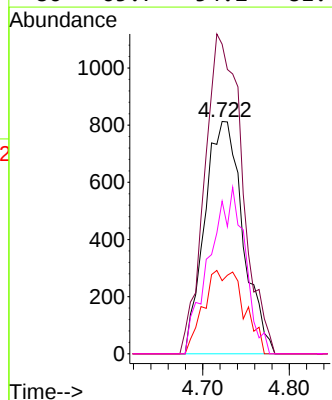
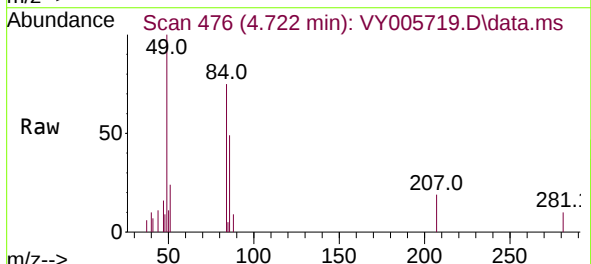
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

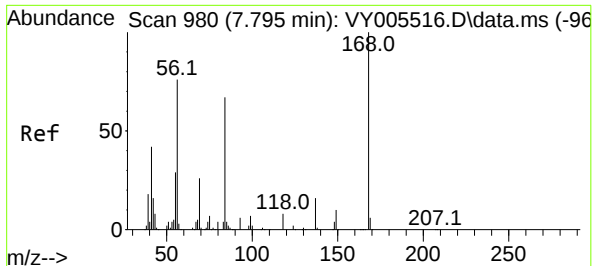
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: 10.704 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion: 84 Resp: 2491
Ion Ratio Lower Upper
84 100
49 133.2 105.8 158.6
51 31.5 33.4 50.2#
86 65.7 54.2 81.4

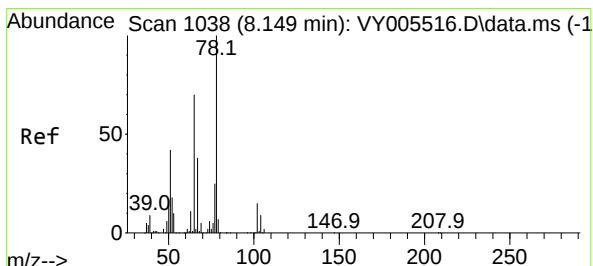
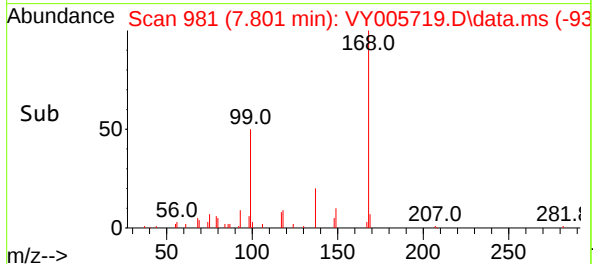
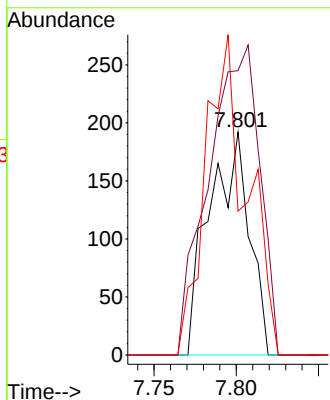
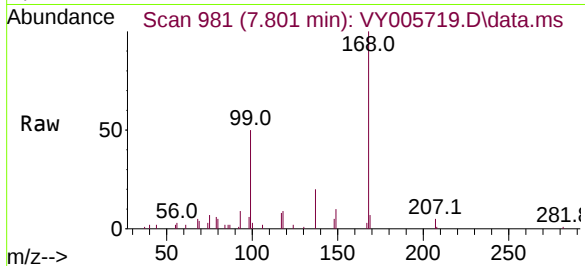




#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

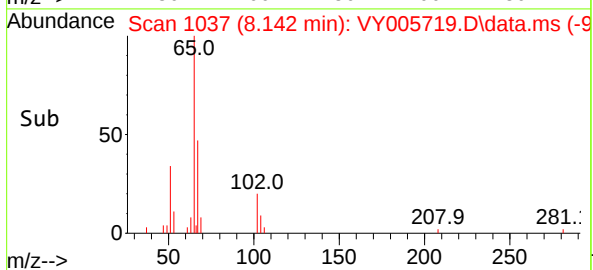
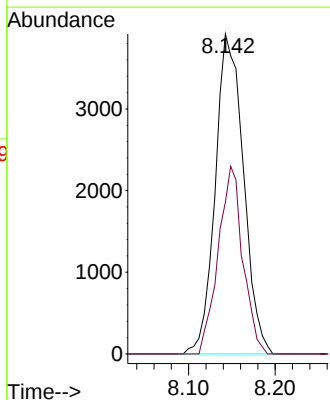
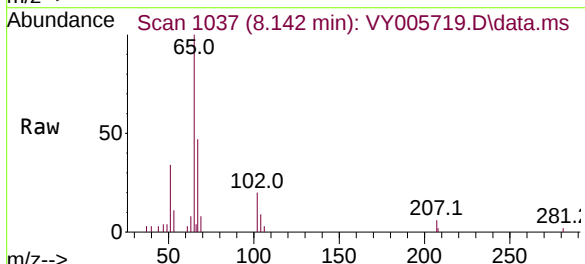
Instrument :
MSVOA_Y
ClientSampled :
PE-1

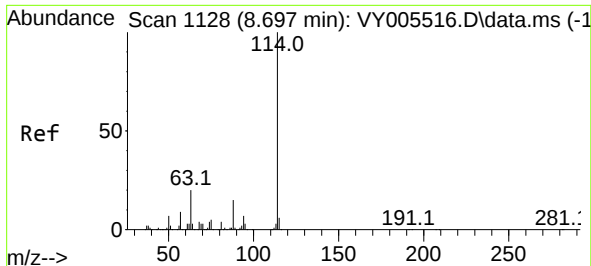
Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
69 127.6 27.7 41.5#
84 64.6 70.9 106.3#



#33
1,2-Dichloroethane-d4
Concen: 54.866 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion: 65 Resp: 8840
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

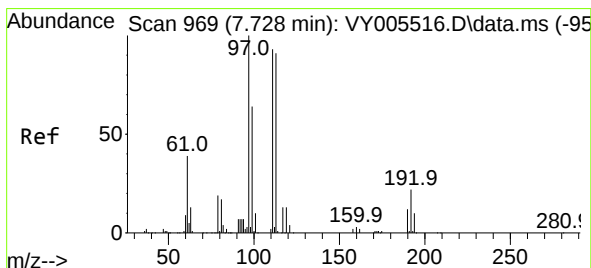
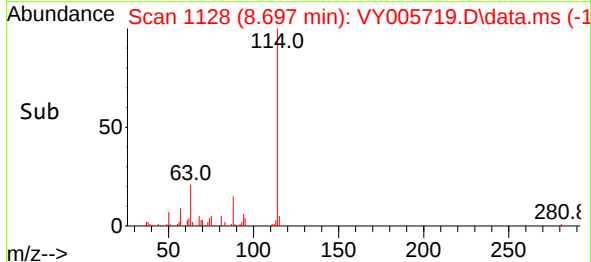
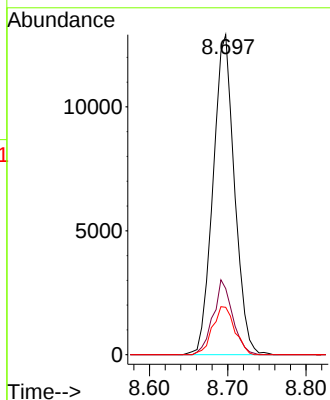
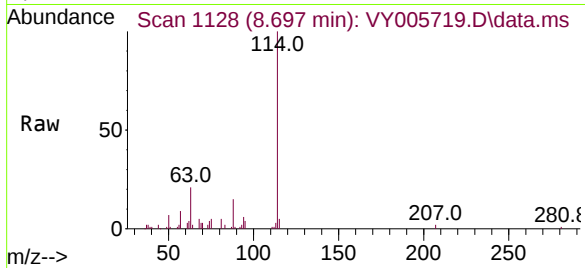




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

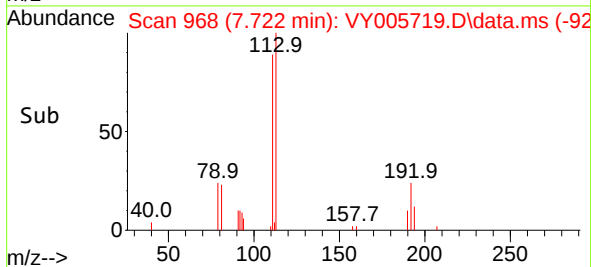
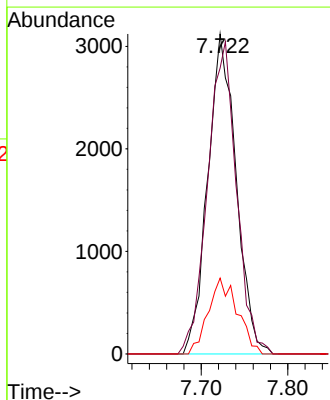
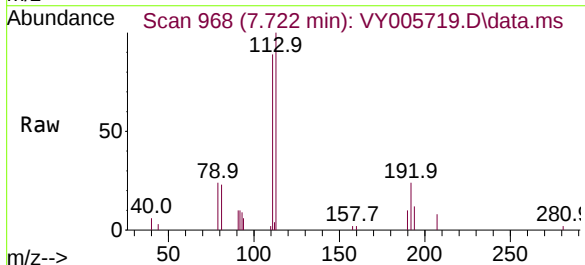
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

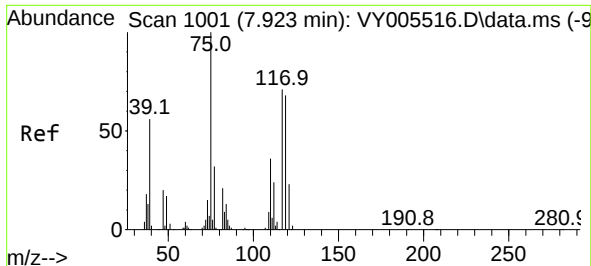
Tgt Ion:	114	Resp:	24575
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	39.2
88	14.8	0.0	30.8



#35
Dibromofluoromethane
Concen: 51.596 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion:	113	Resp:	7099
Ion Ratio	Lower	Upper	
113	100		
111	99.5	81.9	122.9
192	24.4	19.2	28.8





#36

1,1-Dichloropropene

Concen: 5.237 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY005719.D

Acq: 17 Aug 2021 18:39

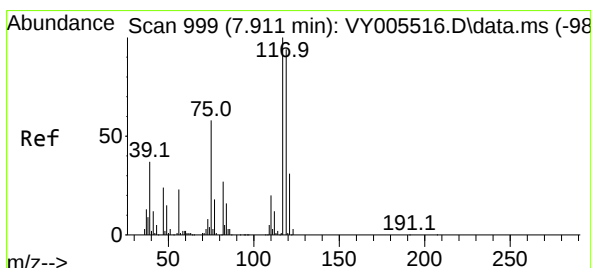
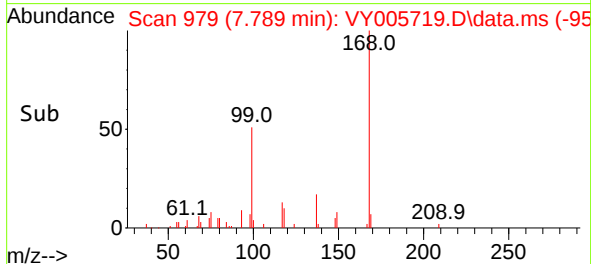
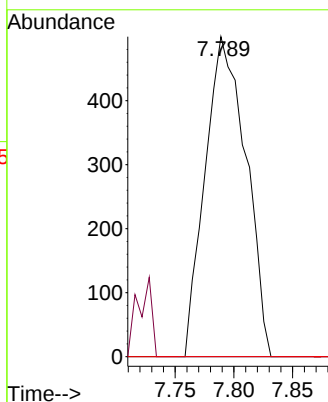
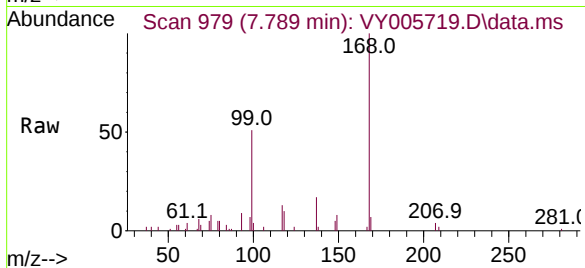
Instrument :

MSVOA_Y

ClientSampleId :

PE-1

Tgt Ion: 75	Resp: 1207
Ion Ratio	Lower Upper
75 100	
110 0.0	18.1 54.1#
77 0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.880 ug/l

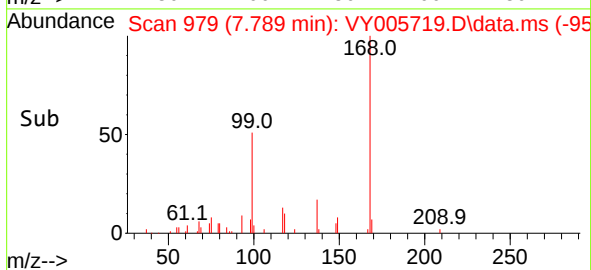
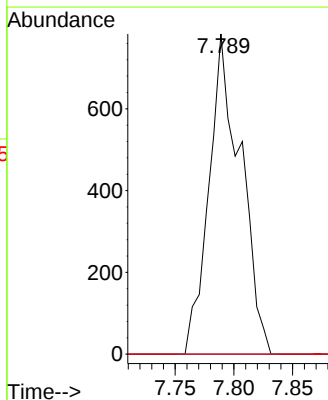
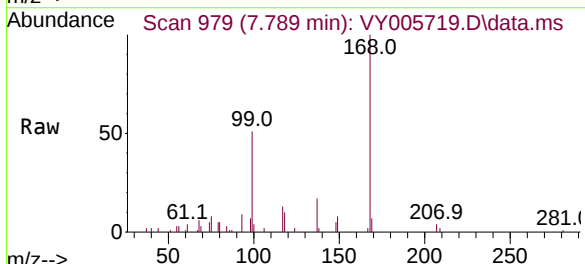
RT: 7.789 min Scan# 979

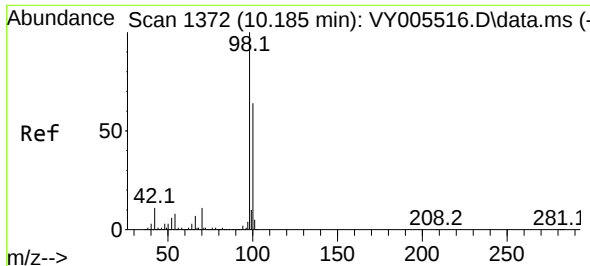
Delta R.T. -0.122 min

Lab File: VY005719.D

Acq: 17 Aug 2021 18:39

Tgt Ion: 117	Resp: 1473
Ion Ratio	Lower Upper
117 100	
119 0.0	75.4 113.0#
121 0.0	25.1 37.7#

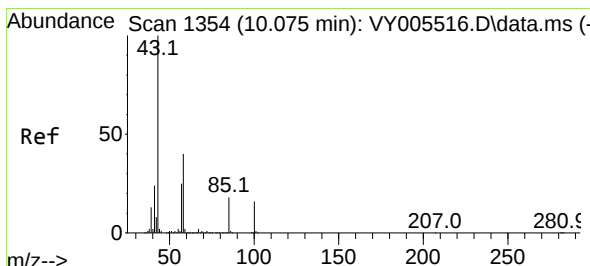
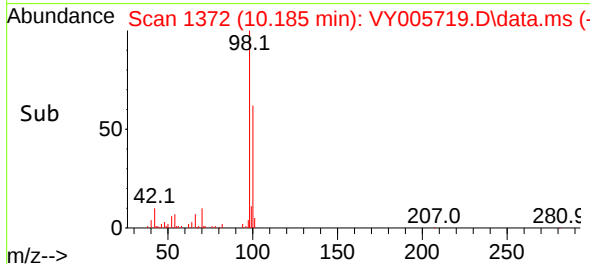
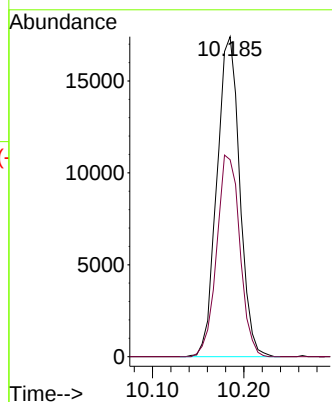
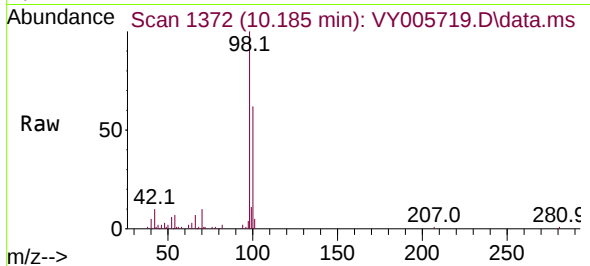




#50
Toluene-d8
Concen: 52.293 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

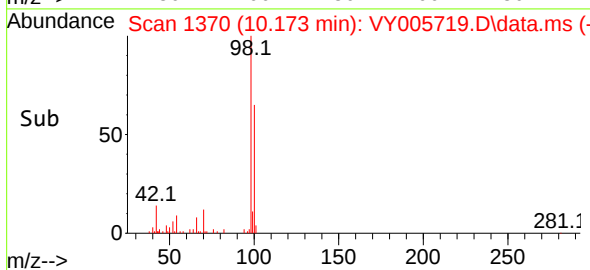
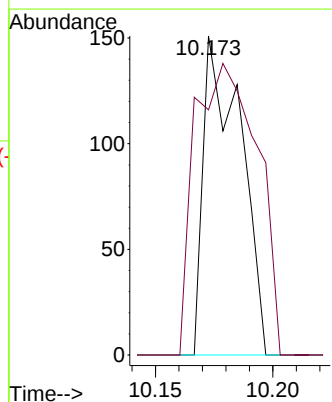
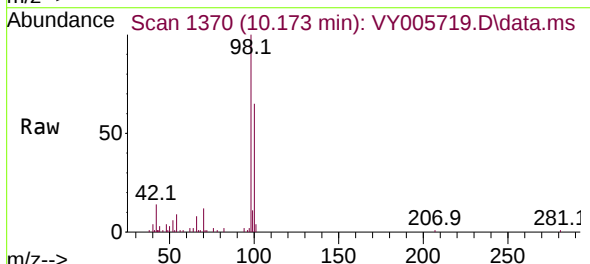
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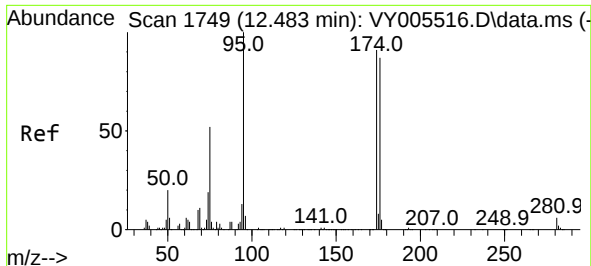
Tgt Ion: 98 Resp: 30175
Ion Ratio Lower Upper
98 100
100 63.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.192 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.097 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 153.6 31.4 47.2#

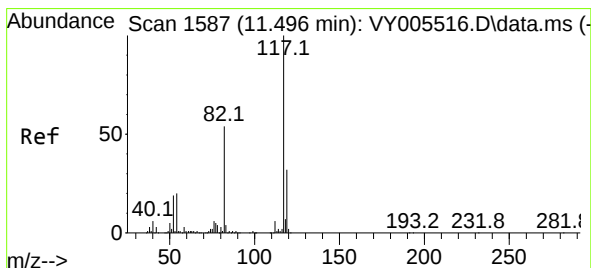
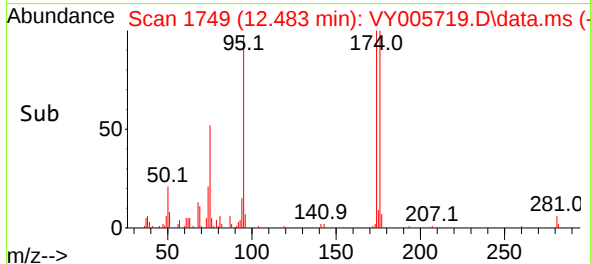
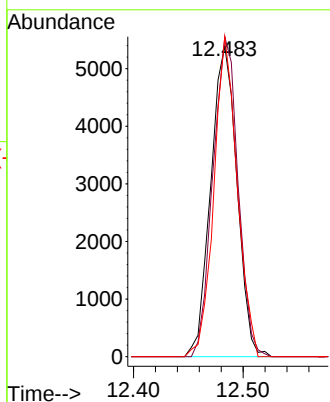
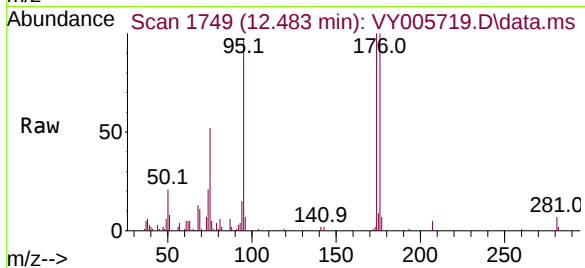




#62
4-Bromofluorobenzene
Concen: 46.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

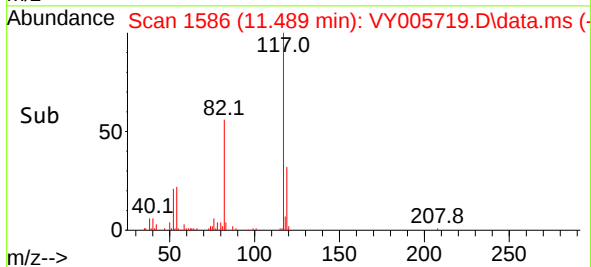
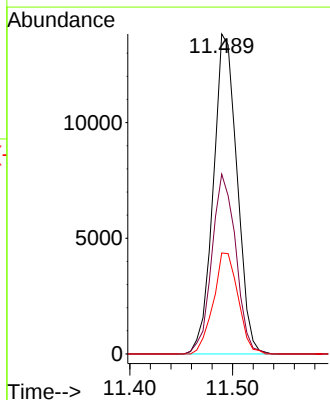
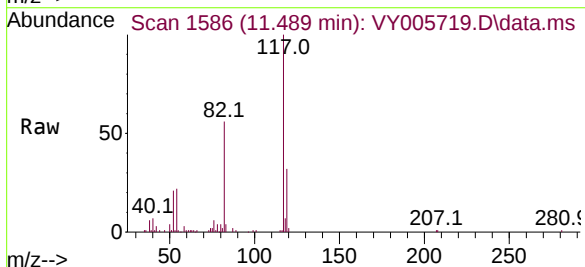
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

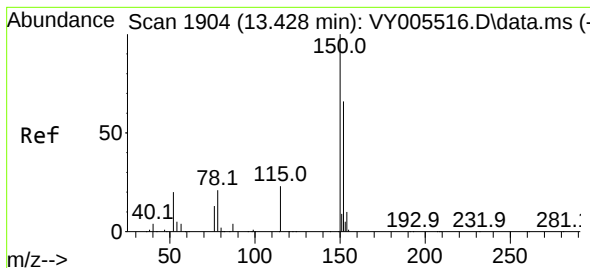
Tgt Ion:	95	Resp:	8948
Ion Ratio	Lower	Upper	
95	100		
174	98.8	0.0	191.4
176	91.7	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion:	117	Resp:	22181
Ion Ratio	Lower	Upper	
117	100		
82	56.2	43.5	65.3
119	31.6	25.5	38.3

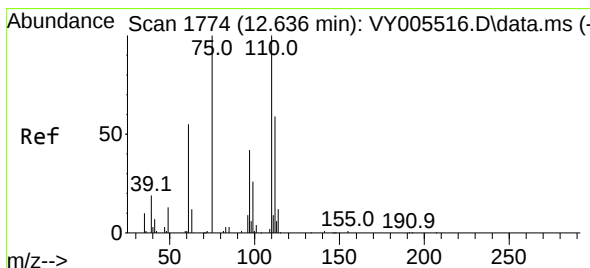
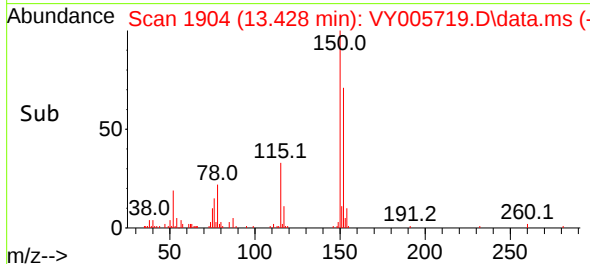
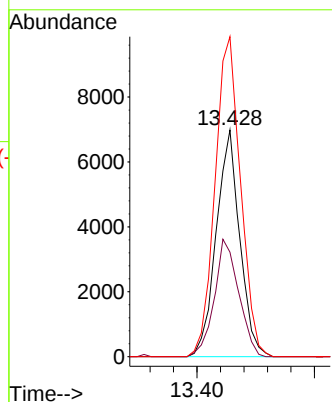
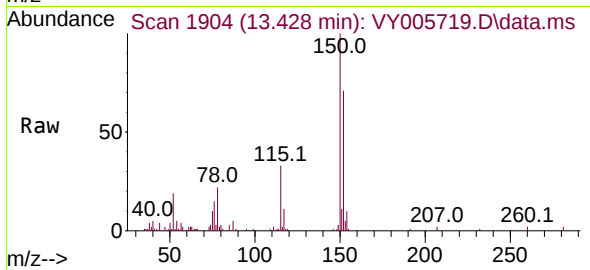




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005719.D
 Acq: 17 Aug 2021 18:39

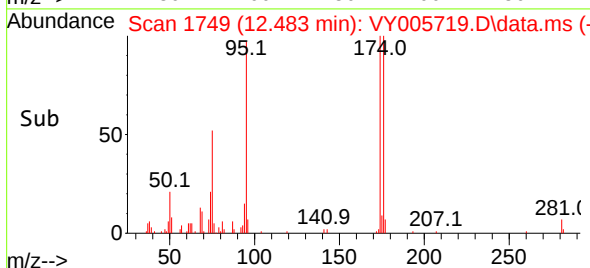
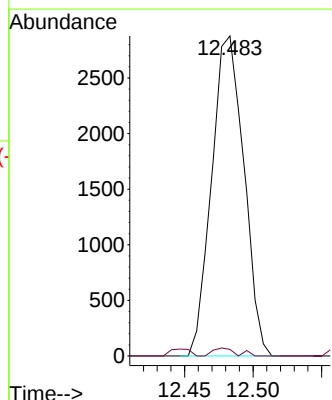
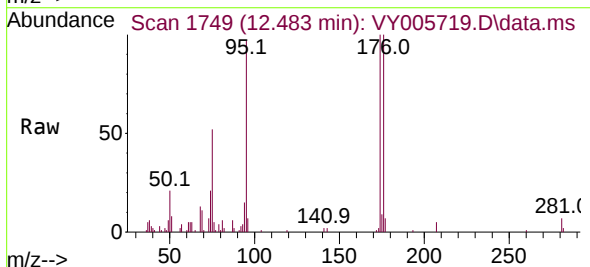
Instrument :
 MSVOA_Y
 ClientSampled :
 PE-1

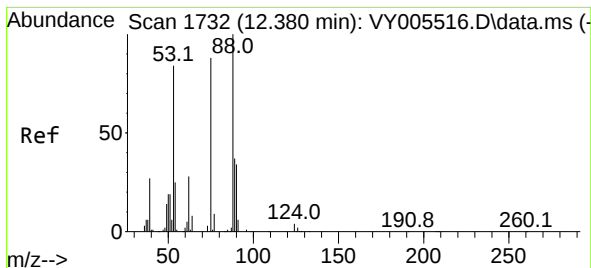
Tgt Ion:152 Resp: 9727
 Ion Ratio Lower Upper
 152 100
 115 53.5 27.3 81.9
 150 152.5 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 46.726 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005719.D
 Acq: 17 Aug 2021 18:39

Tgt Ion: 75 Resp: 4710
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#

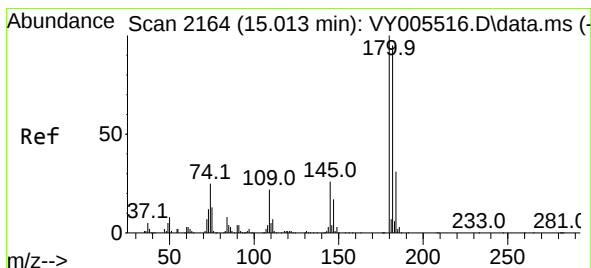
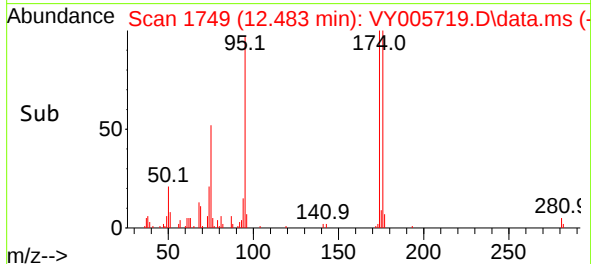
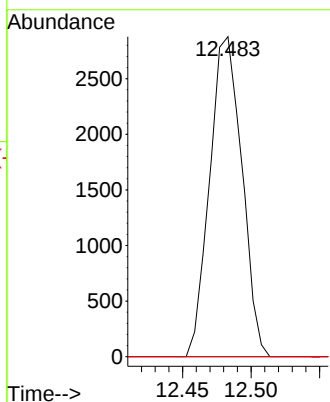
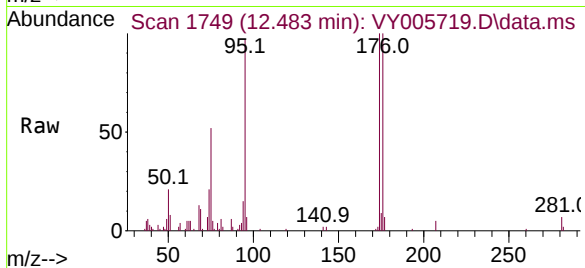




#81
trans-1,4-Dichloro-2-butene
Concen: 94.194 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

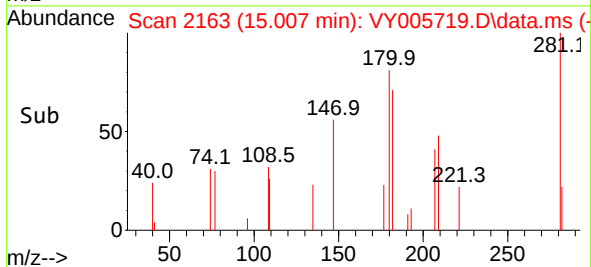
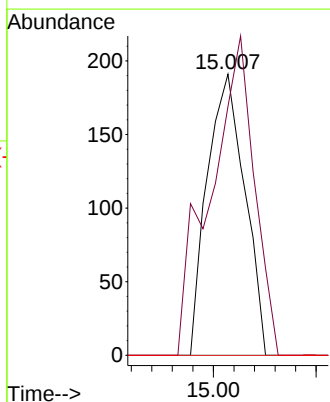
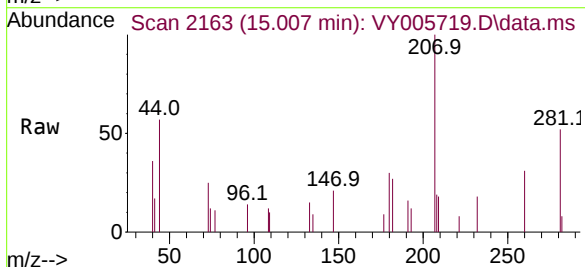
Instrument :
MSVOA_Y
ClientSampleId :
PE-1

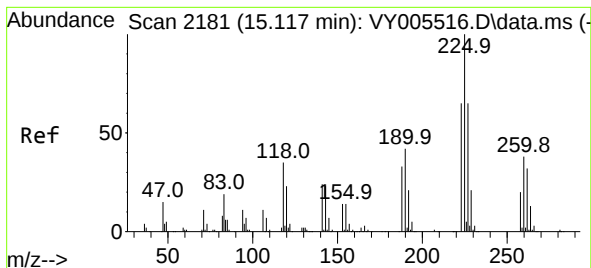
Tgt Ion: 75 Resp: 4710
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.225 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

Tgt Ion:180 Resp: 242
Ion Ratio Lower Upper
180 100
182 132.2 47.8 143.4
145 0.0 14.0 42.0#

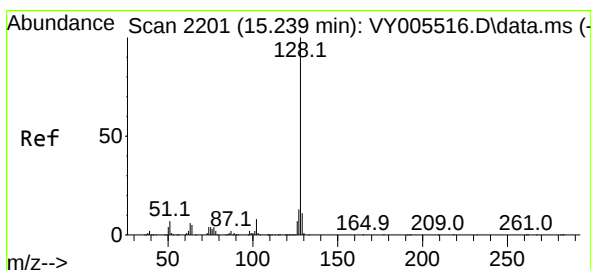
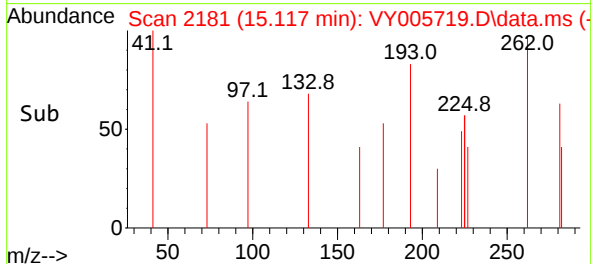
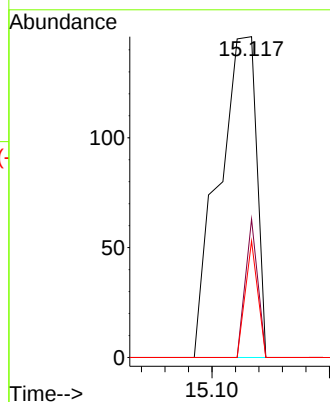
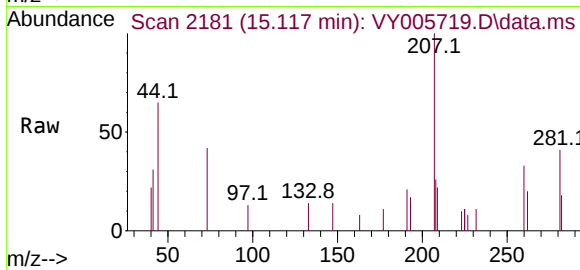




#94
Hexachlorobutadiene
Concen: 1.275 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

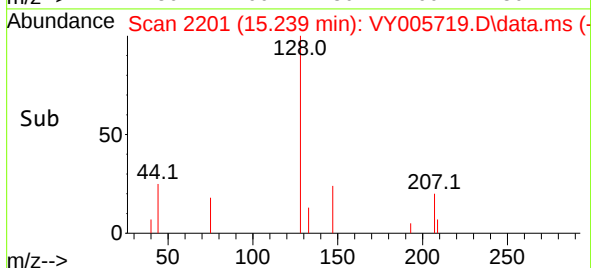
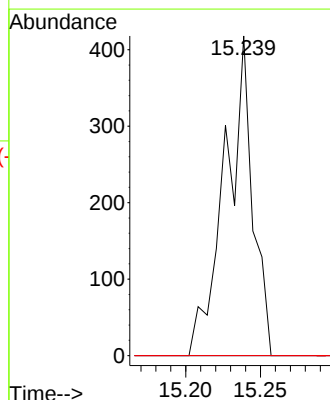
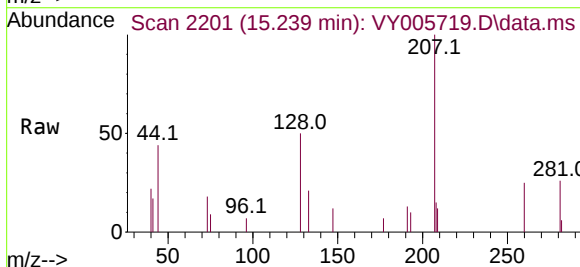
Instrument :
MSVOA_Y
ClientSampled :
PE-1

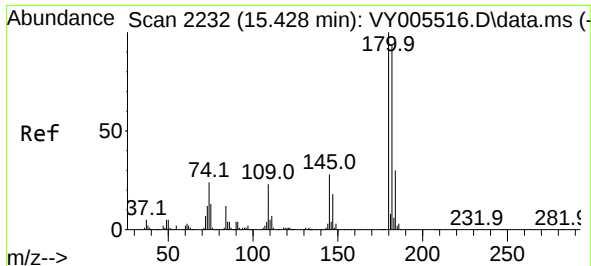
Tgt Ion:225 Resp: 163
Ion Ratio Lower Upper
225 100
223 14.1 31.4 94.0#
227 11.7 32.2 96.6#



#95
Naphthalene
Concen: 1.377 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005719.D
Acq: 17 Aug 2021 18:39

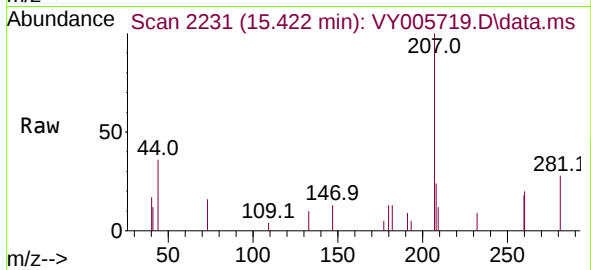
Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.172 ug/l
 RT: 15.422 min Scan# 2231
 Delta R.T. -0.006 min
 Lab File: VY005719.D
 Acq: 17 Aug 2021 18:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1



Tgt Ion:	180	Resp:	205
Ion	Ratio	Lower	Upper
180	100		
182	78.5	47.9	143.6
145	0.0	14.6	44.0#

