

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090921\
 Data File : VY005975.D
 Acq On : 09 Sep 2021 14:58
 Operator : SY/MD
 Sample : M3693-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 10 04:45:24 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)

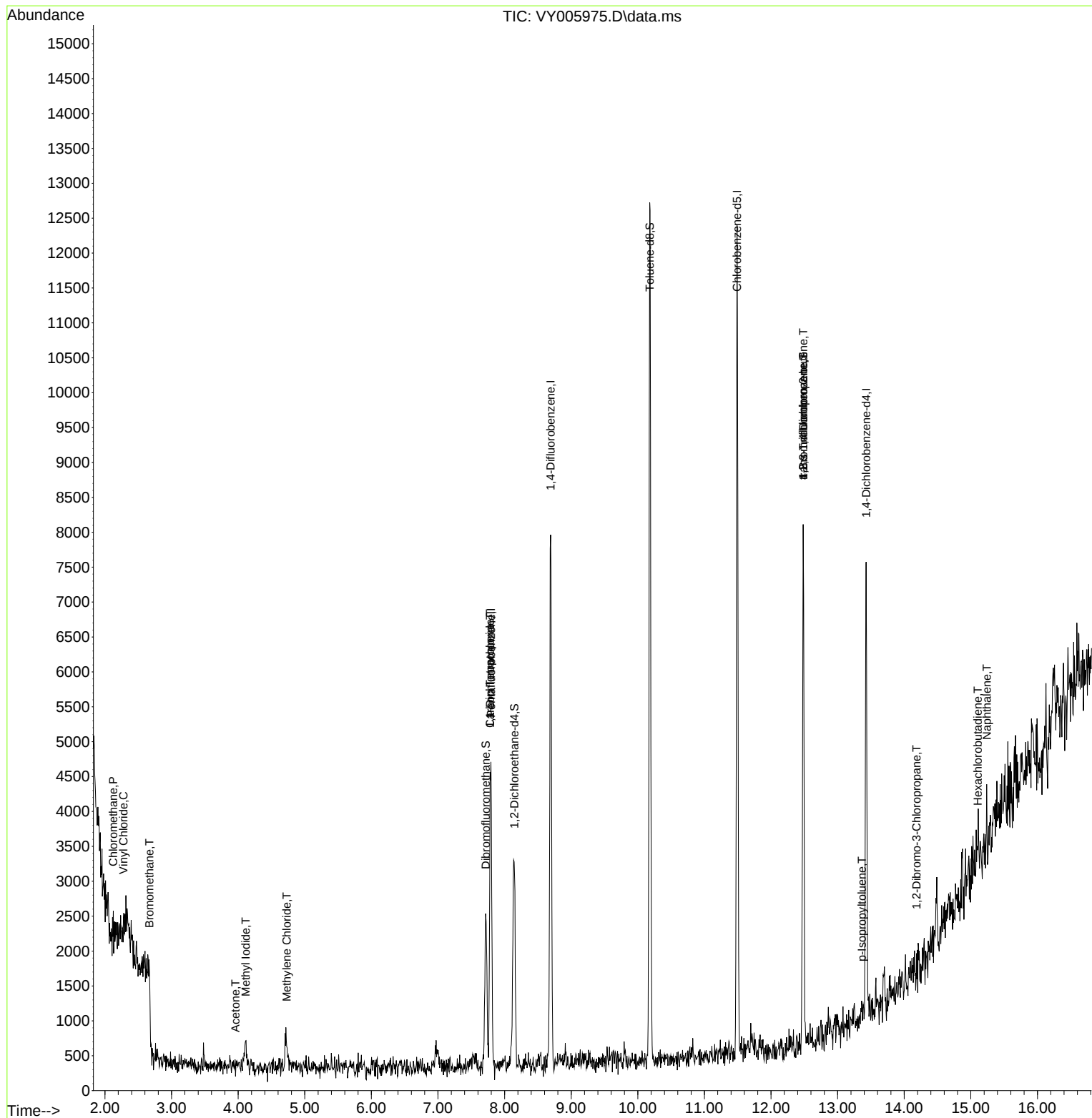
Internal Standards						
1) Pentafluorobenzene	7.795	168	4397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2603	58.746	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.500%
35) Dibromofluoromethane	7.716	113	1676	42.433	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.860%
50) Toluene-d8	10.179	98	8626	52.038	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.080%
62) 4-Bromofluorobenzene	12.483	95	2192	39.382	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.760%
Target Compounds						Qvalue
3) Chloromethane	2.125	50	88	2.116	ug/l #	42
4) Vinyl Chloride	2.278	62	142	2.627	ug/l #	43
5) Bromomethane	2.668	94	41	1.124	ug/l #	5
10) Methyl Iodide	4.113	142	685	14.662	ug/l #	74
16) Acetone	3.960	43	79	6.992	ug/l #	43
20) Methylene Chloride	4.729	84	402	4.716	ug/l #	49
36) 1,1-Dichloropropene	7.783	75	323	4.878	ug/l #	41
38) Carbon Tetrachloride	7.783	117	346	4.821	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1109	58.397	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1109	111.058	ug/l #	13
86) p-Isopropyltoluene	13.367	119	206	1.629	ug/l #	50
92) 1,2-Dibromo-3-Chloropr...	14.184	75	21	4.351	ug/l #	1
94) Hexachlorobutadiene	15.105	225	49	1.917	ug/l #	19
95) Naphthalene	15.239	128	190	2.493	ug/l #	69

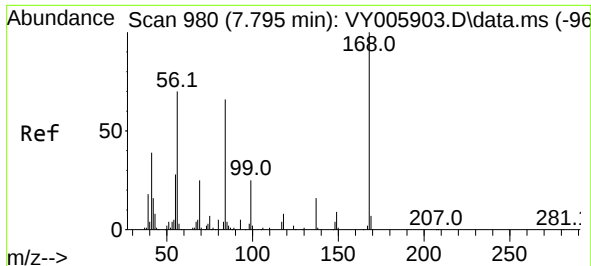
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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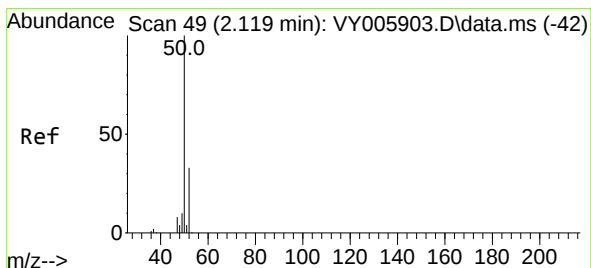
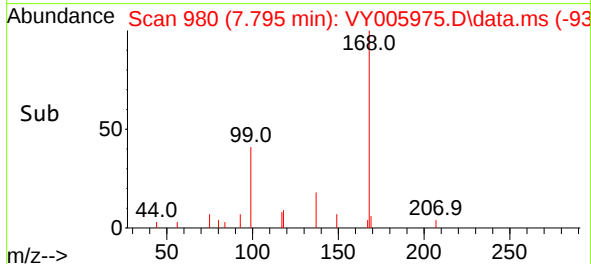
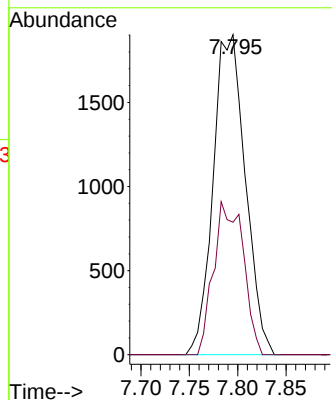
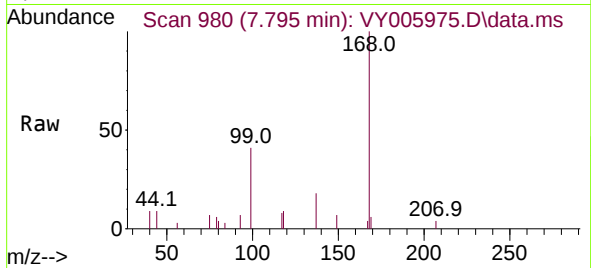




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

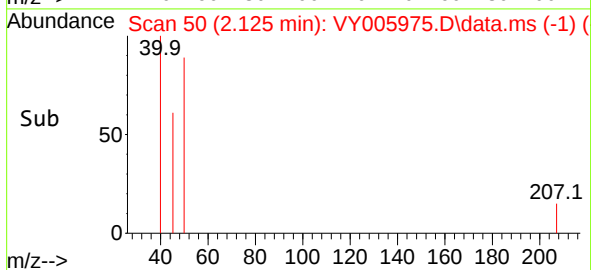
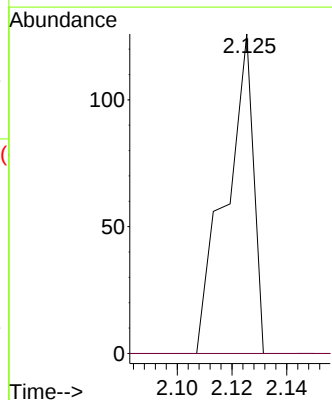
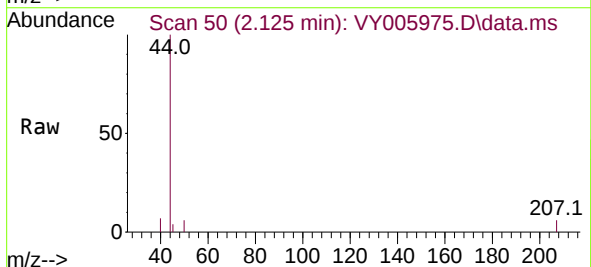
Instrument :
MSVOA_Y
ClientSampleId :

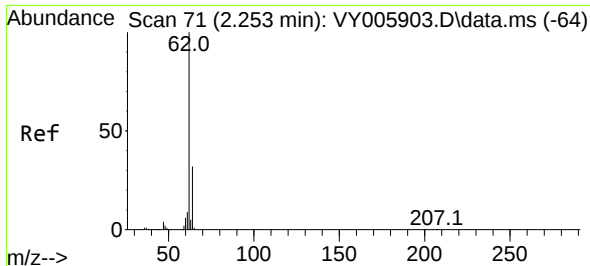
Tgt Ion:168 Resp: 4397
Ion Ratio Lower Upper
168 100
99 41.4 40.6 60.8



#3
Chloromethane
Concen: 2.116 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion: 50 Resp: 88
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

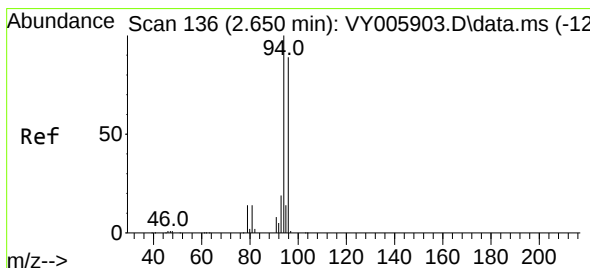
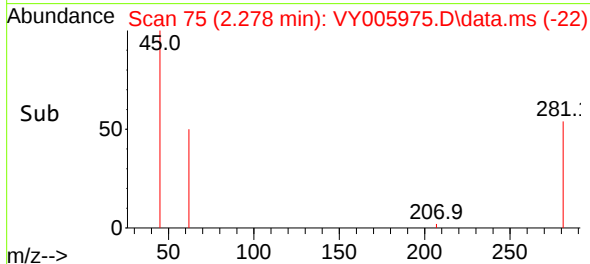
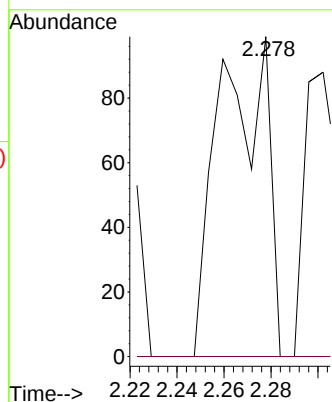
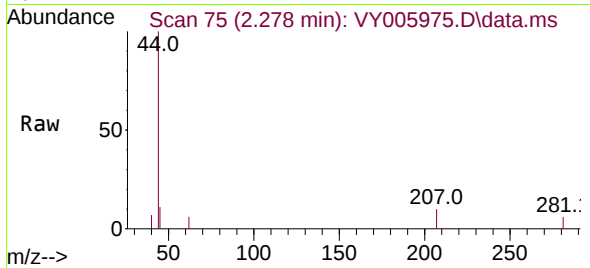




#4
 Vinyl Chloride
 Concen: 2.627 ug/l
 RT: 2.278 min Scan# 75
 Delta R.T. 0.024 min
 Lab File: VY005975.D
 Acq: 09 Sep 2021 14:58

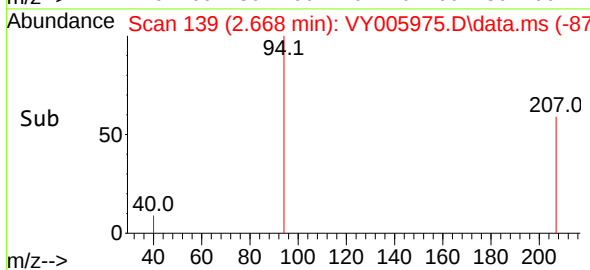
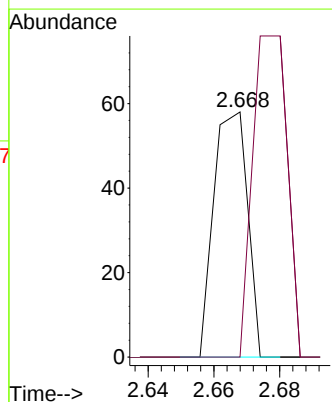
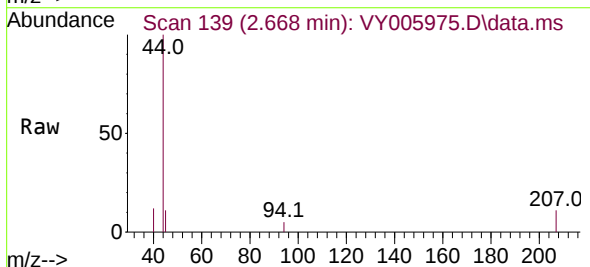
Instrument :
 MSVOA_Y
 ClientSampled :

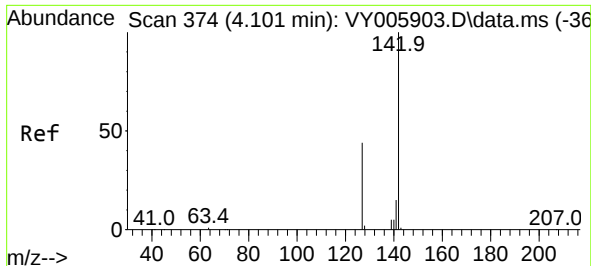
Tgt Ion: 62 Resp: 142
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.124 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY005975.D
 Acq: 09 Sep 2021 14:58

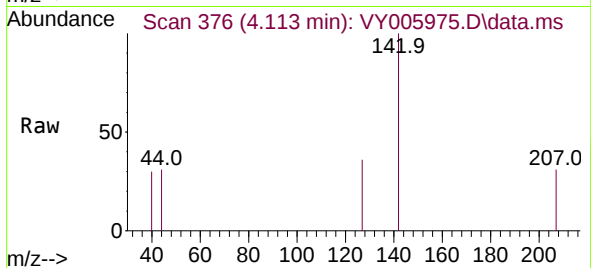
Tgt Ion: 94 Resp: 41
 Ion Ratio Lower Upper
 94 100
 96 0.0 70.8 106.2#



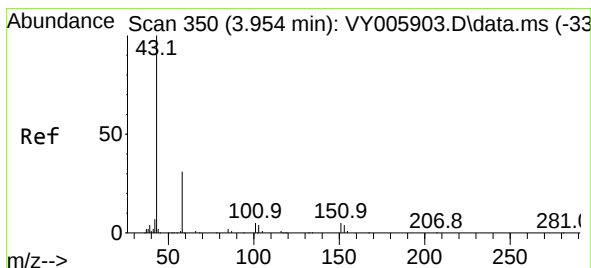
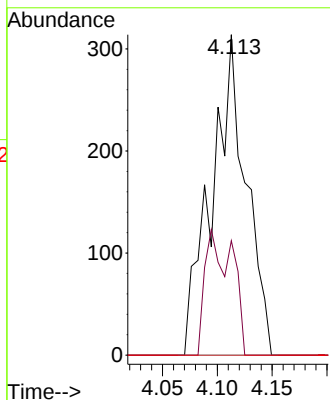
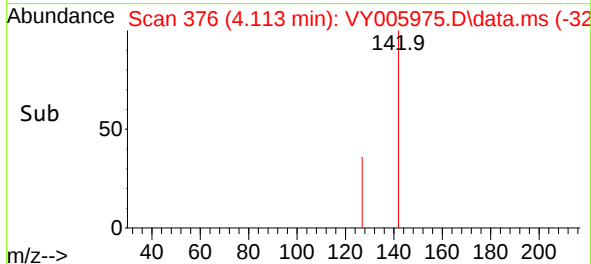


#10
Methyl Iodide
Concen: 14.662 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

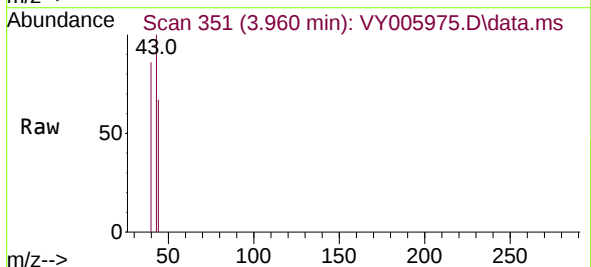
Instrument :
MSVOA_Y
ClientSampleId :



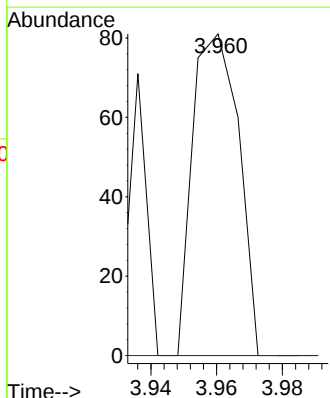
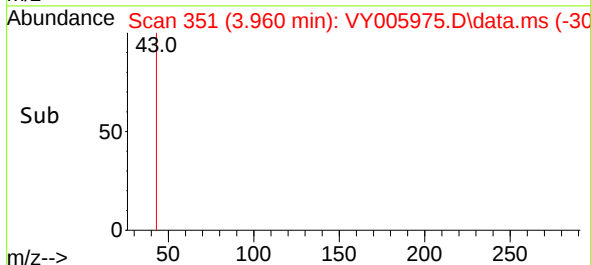
Tgt Ion:142 Resp: 685
Ion Ratio Lower Upper
142 100
127 30.5 36.7 55.1#
141 0.0 11.8 17.8#

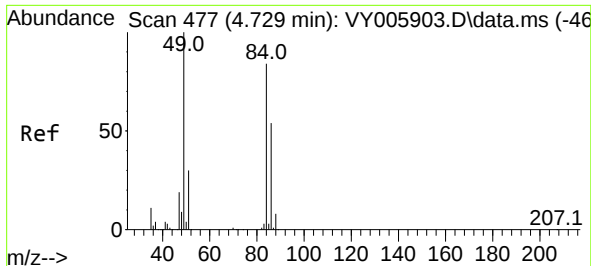


#16
Acetone
Concen: 6.992 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58



Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#





#20

Methylene Chloride

Concen: 4.716 ug/l

RT: 4.729 min Scan# 477

Delta R.T. -0.000 min

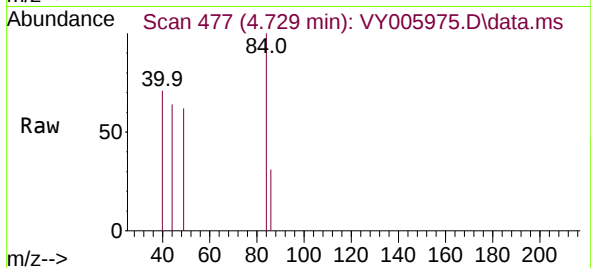
Lab File: VY005975.D

Acq: 09 Sep 2021 14:58

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 402

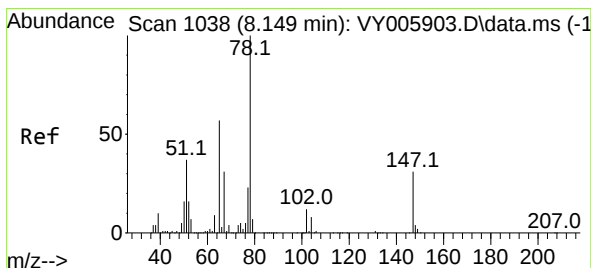
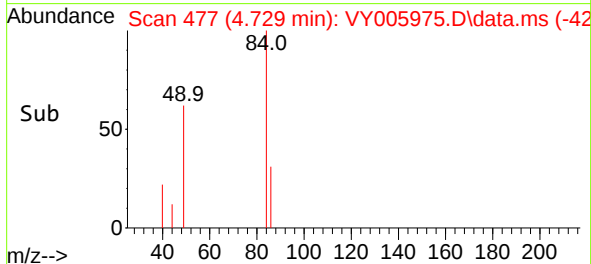
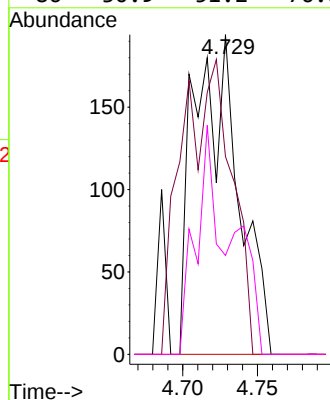
Ion Ratio Lower Upper

84 100

49 61.9 95.7 143.5#

51 0.0 29.0 43.6#

86 30.9 51.2 76.8#



#33

1,2-Dichloroethane-d4

Concen: 58.746 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY005975.D

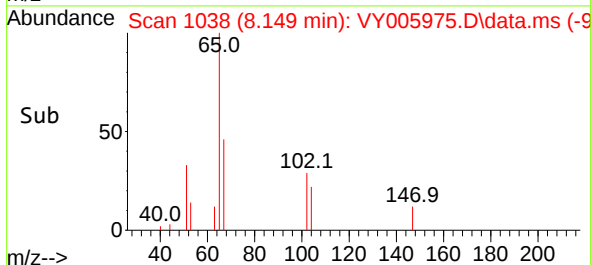
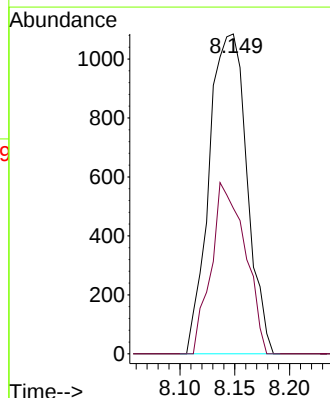
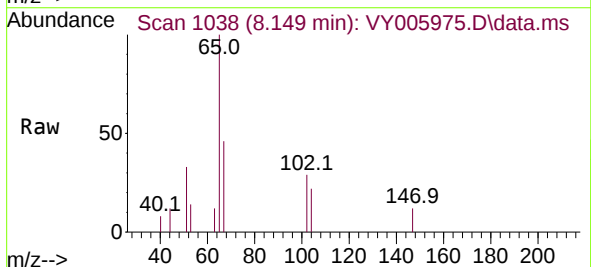
Acq: 09 Sep 2021 14:58

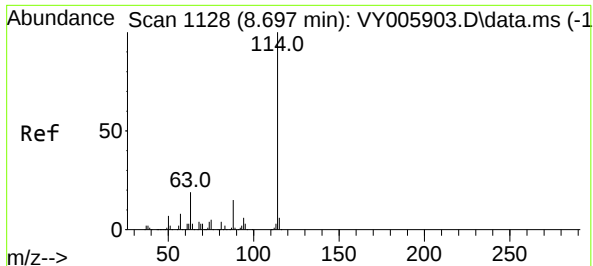
Tgt Ion: 65 Resp: 2603

Ion Ratio Lower Upper

65 100

67 47.9 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

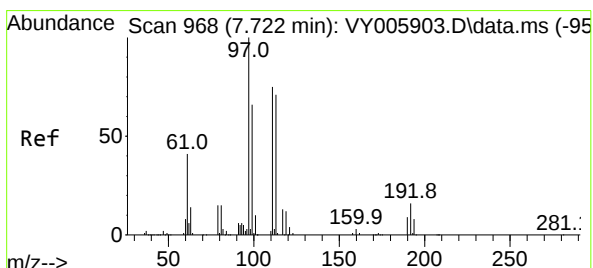
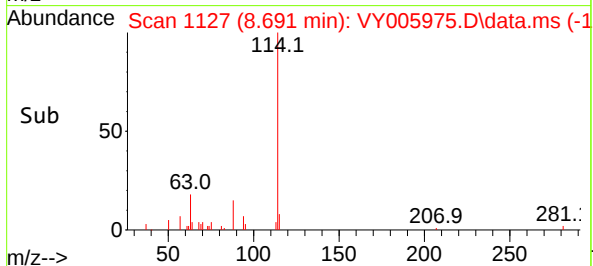
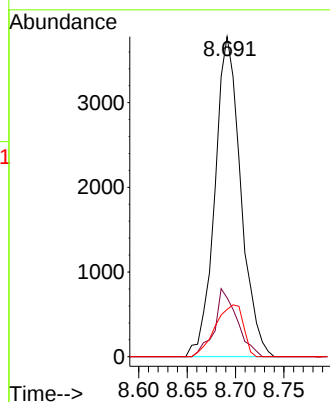
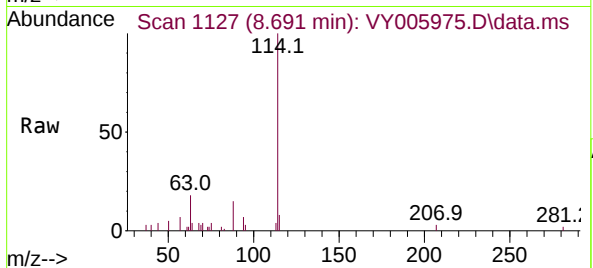
Delta R.T. -0.006 min

Lab File: VY005975.D

Acq: 09 Sep 2021 14:58

Tgt Ion:	114	Resp:	7033
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.4
88	14.7	0.0	30.0

Instrument :
MSVOA_Y
ClientSampleId :



#35

Dibromofluoromethane

Concen: 42.433 ug/l

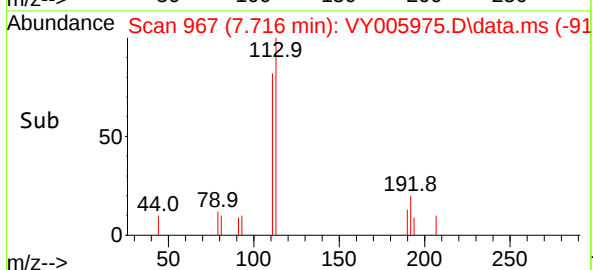
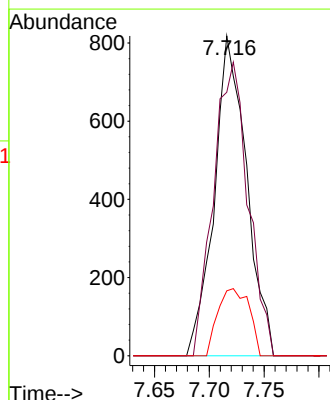
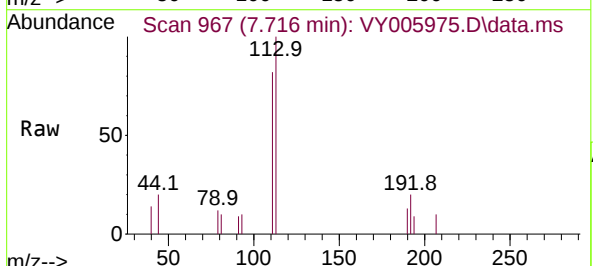
RT: 7.716 min Scan# 967

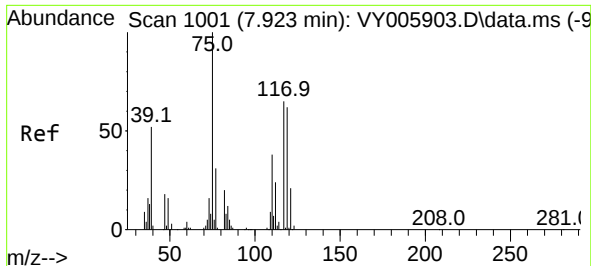
Delta R.T. -0.006 min

Lab File: VY005975.D

Acq: 09 Sep 2021 14:58

Tgt Ion:	113	Resp:	1676
Ion	Ratio	Lower	Upper
113	100		
111	98.6	81.9	122.9
192	20.3	19.4	29.0

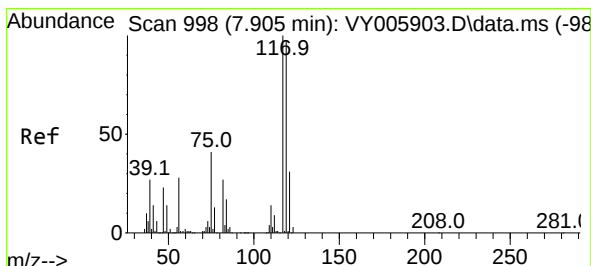
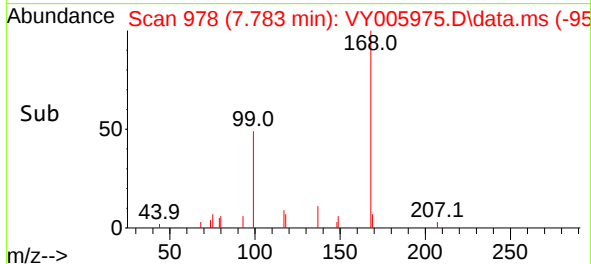
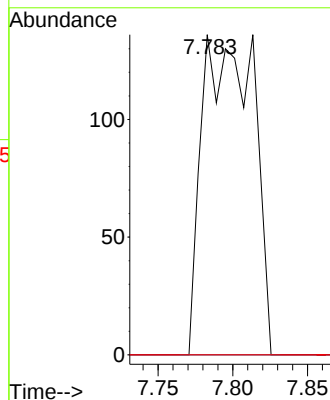
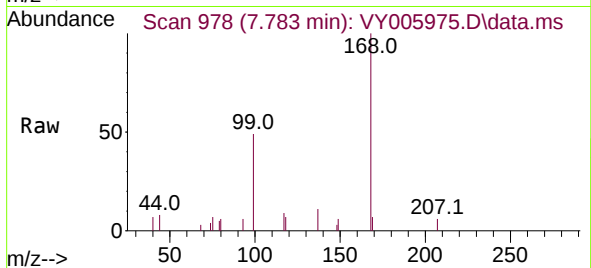




#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

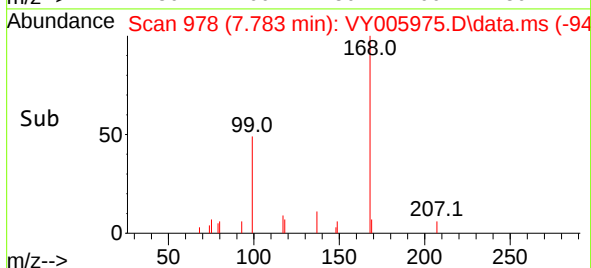
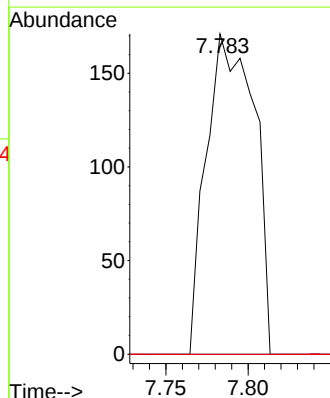
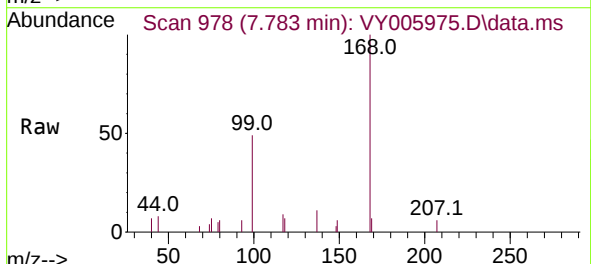
Instrument :
MSVOA_Y
ClientSampleId :

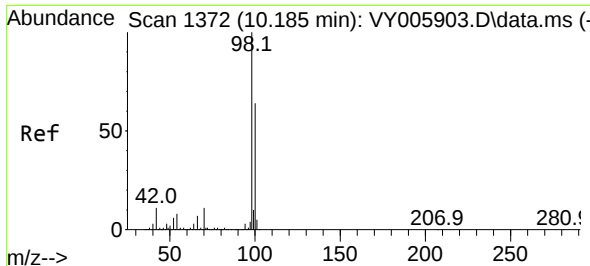
Tgt Ion: 75 Resp: 323
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion: 117 Resp: 346
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#

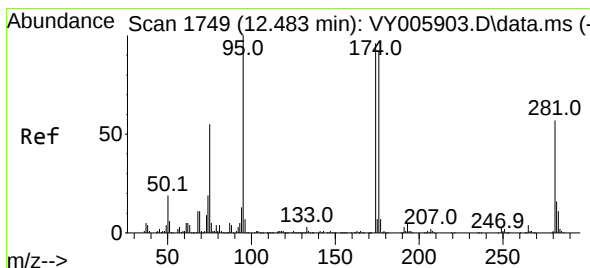
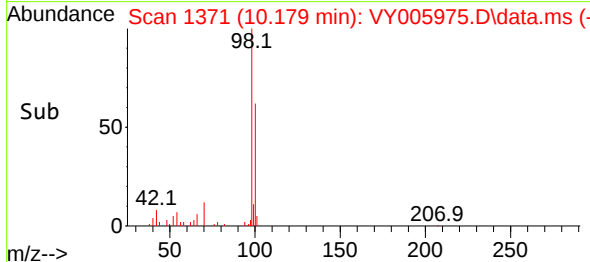
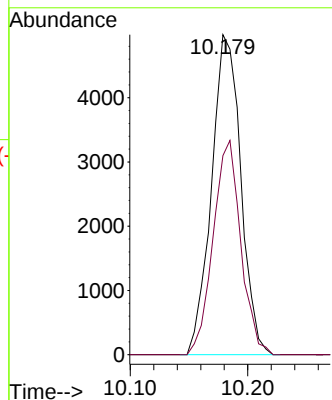
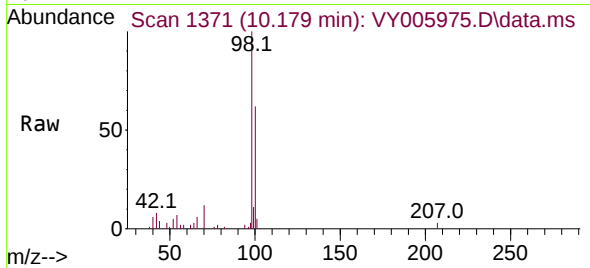




#50
Toluene-d8
Concen: 52.038 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

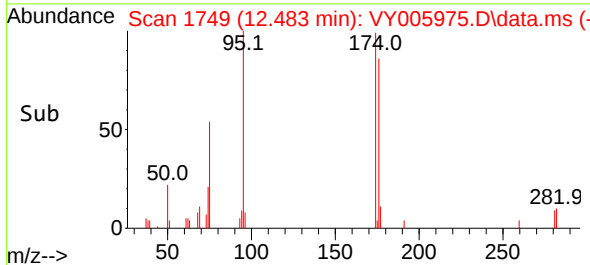
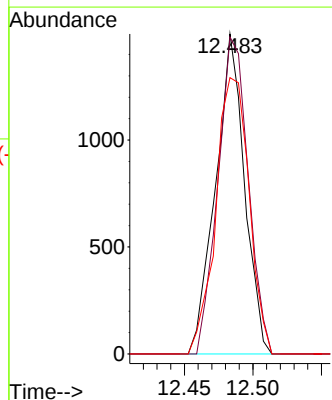
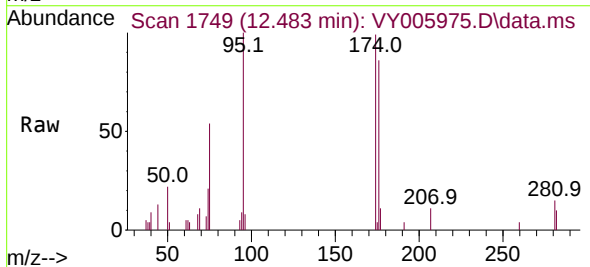
Instrument :
MSVOA_Y
ClientSampleId :

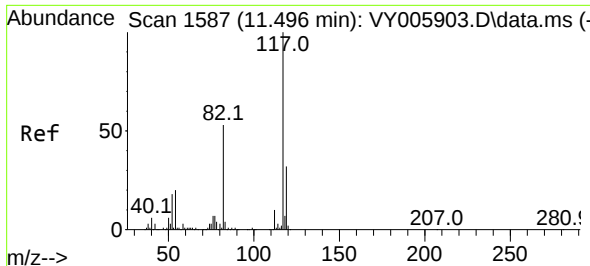
Tgt Ion: 98 Resp: 8626
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 39.382 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion: 95 Resp: 2192
Ion Ratio Lower Upper
95 100
174 103.8 0.0 192.4
176 99.4 0.0 186.8

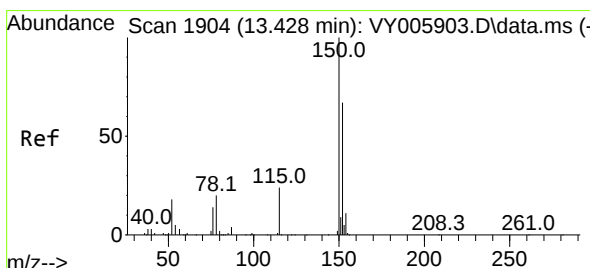
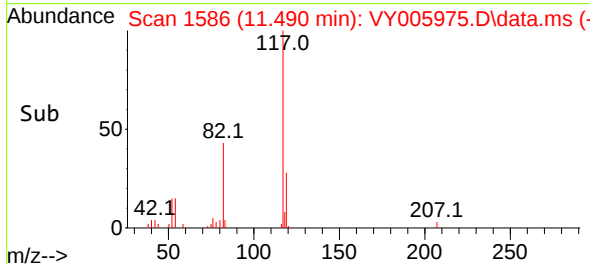
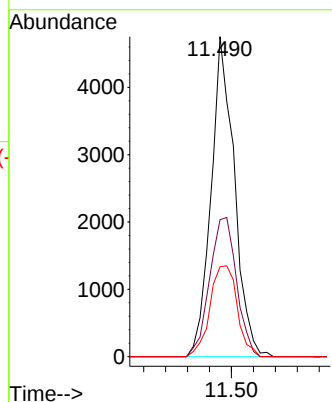
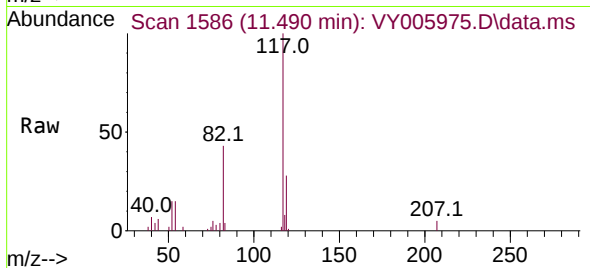




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

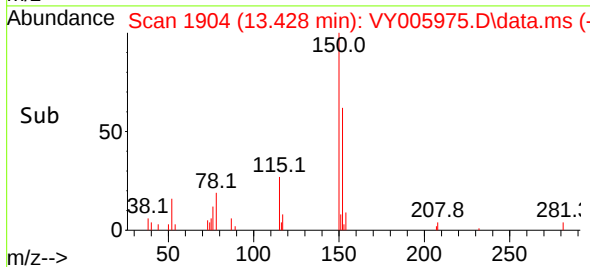
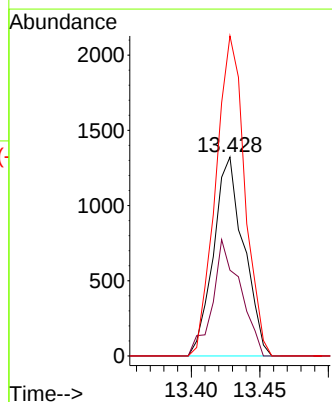
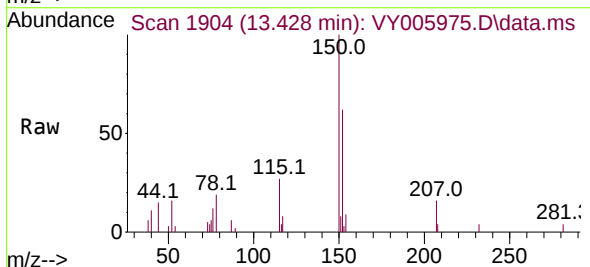
Instrument :
MSVOA_Y
ClientSampleId :

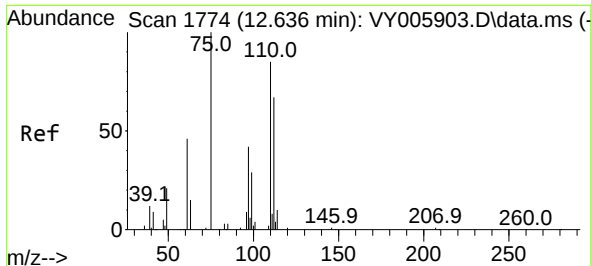
Tgt Ion:	117	Resp:	7005
Ion	Ratio	Lower	Upper
117	100		
82	42.8	42.4	63.6
119	28.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion:	152	Resp:	2029
Ion	Ratio	Lower	Upper
152	100		
115	53.5	26.8	80.4
150	154.8	0.0	345.6

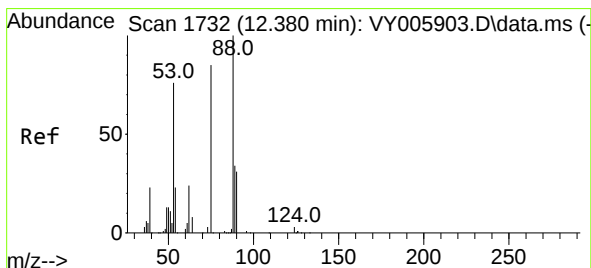
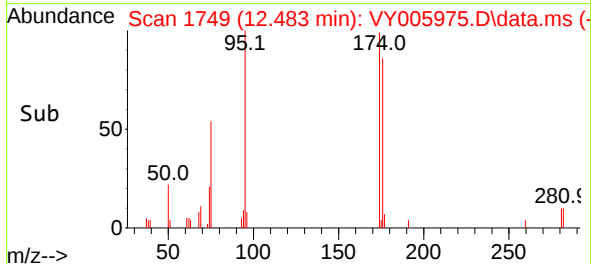
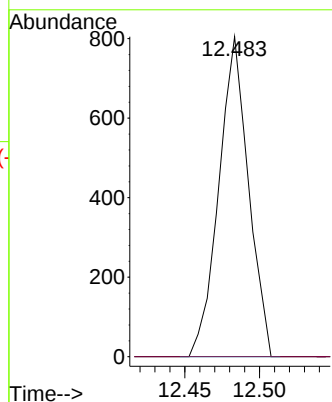
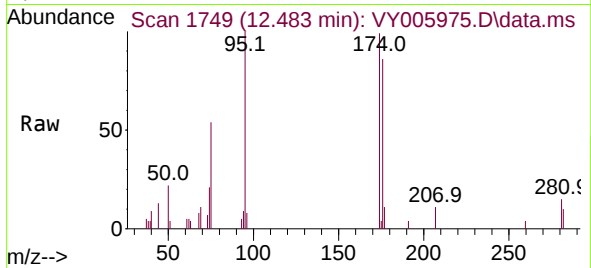




#76
1,2,3-Trichloropropane
Concen: 58.397 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

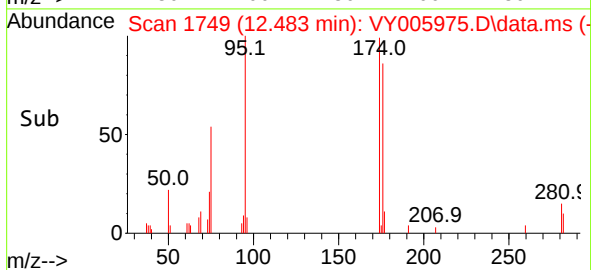
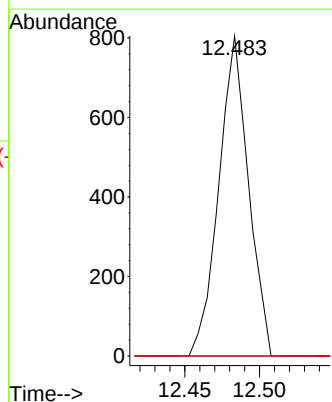
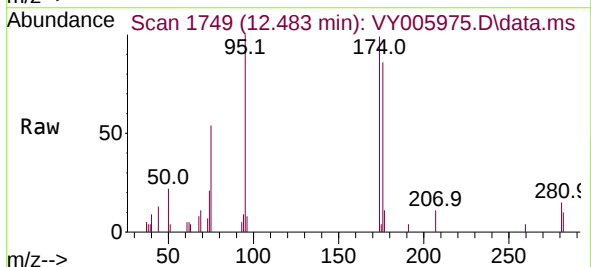
Instrument :
MSVOA_Y
ClientSampleId :

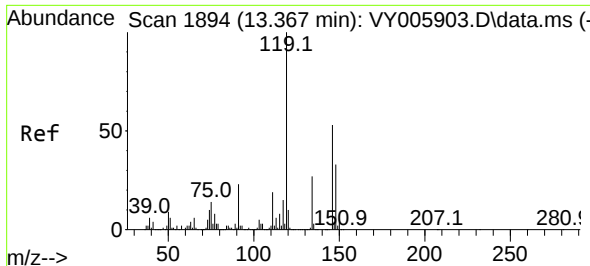
Tgt Ion: 75 Resp: 1109
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 111.058 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion: 75 Resp: 1109
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#

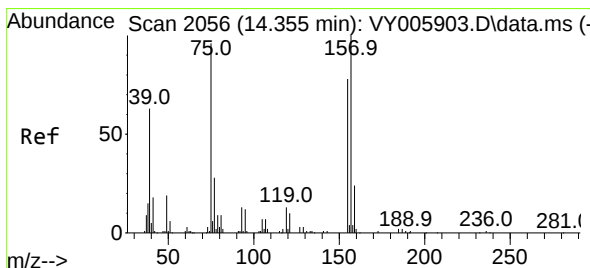
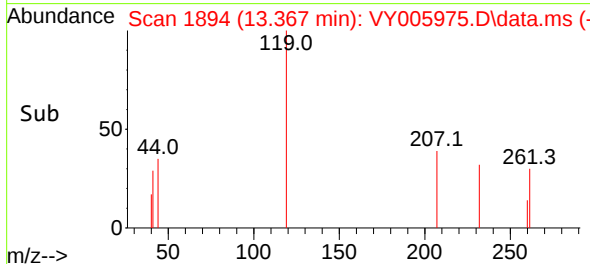
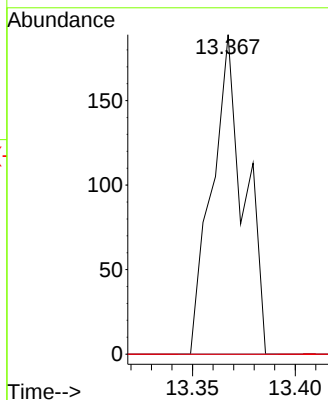
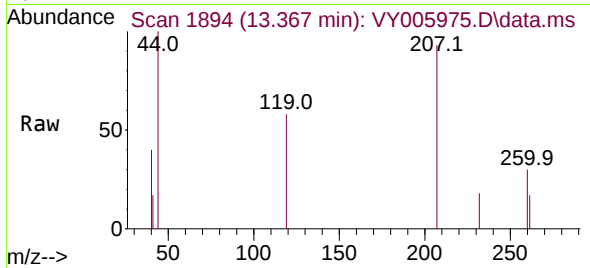




#86
p-Isopropyltoluene
Concen: 1.629 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

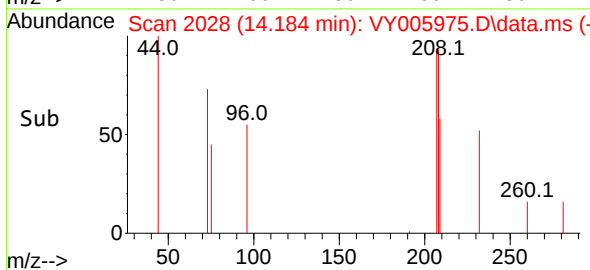
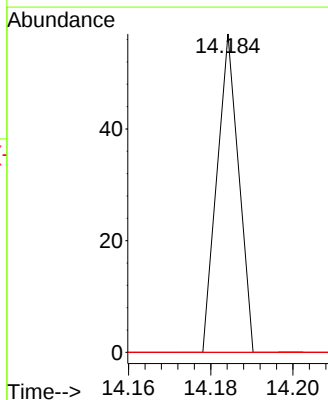
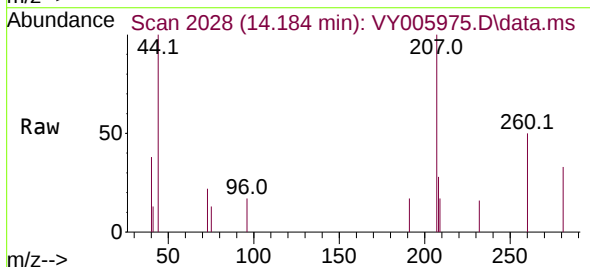
Instrument :
MSVOA_Y
ClientSampled :

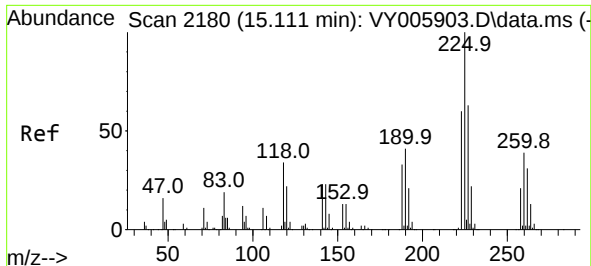
Tgt Ion:119 Resp: 206
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 11.4 34.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.351 ug/l
RT: 14.184 min Scan# 2028
Delta R.T. -0.171 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.3#
157 0.0 54.4 163.3#

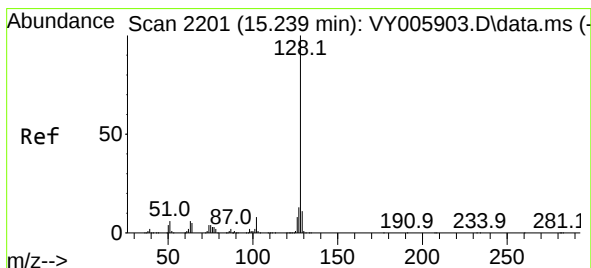
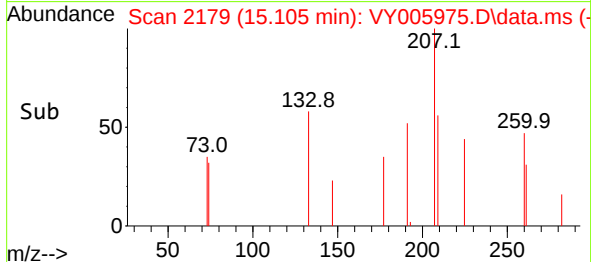
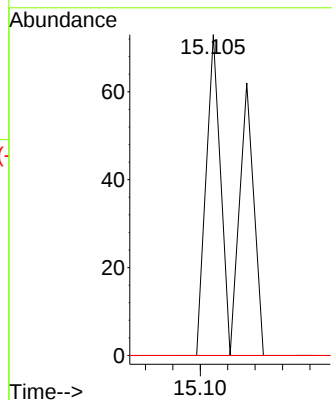
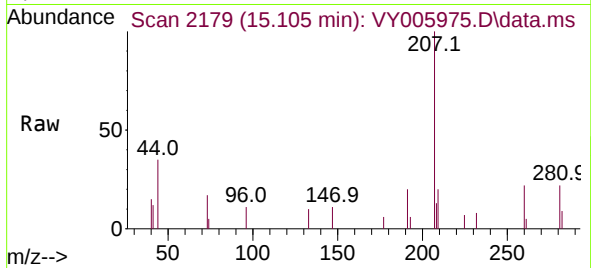




#94
Hexachlorobutadiene
Concen: 1.917 ug/l
RT: 15.105 min Scan# 2179
Delta R.T. -0.006 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.3#
227	0.0	32.2	96.6#



#95
Naphthalene
Concen: 2.493 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005975.D
Acq: 09 Sep 2021 14:58

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

