

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006555.D
 Acq On : 01 Nov 2021 16:30
 Operator : SY/MD
 Sample : M4424-04
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 03:30:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

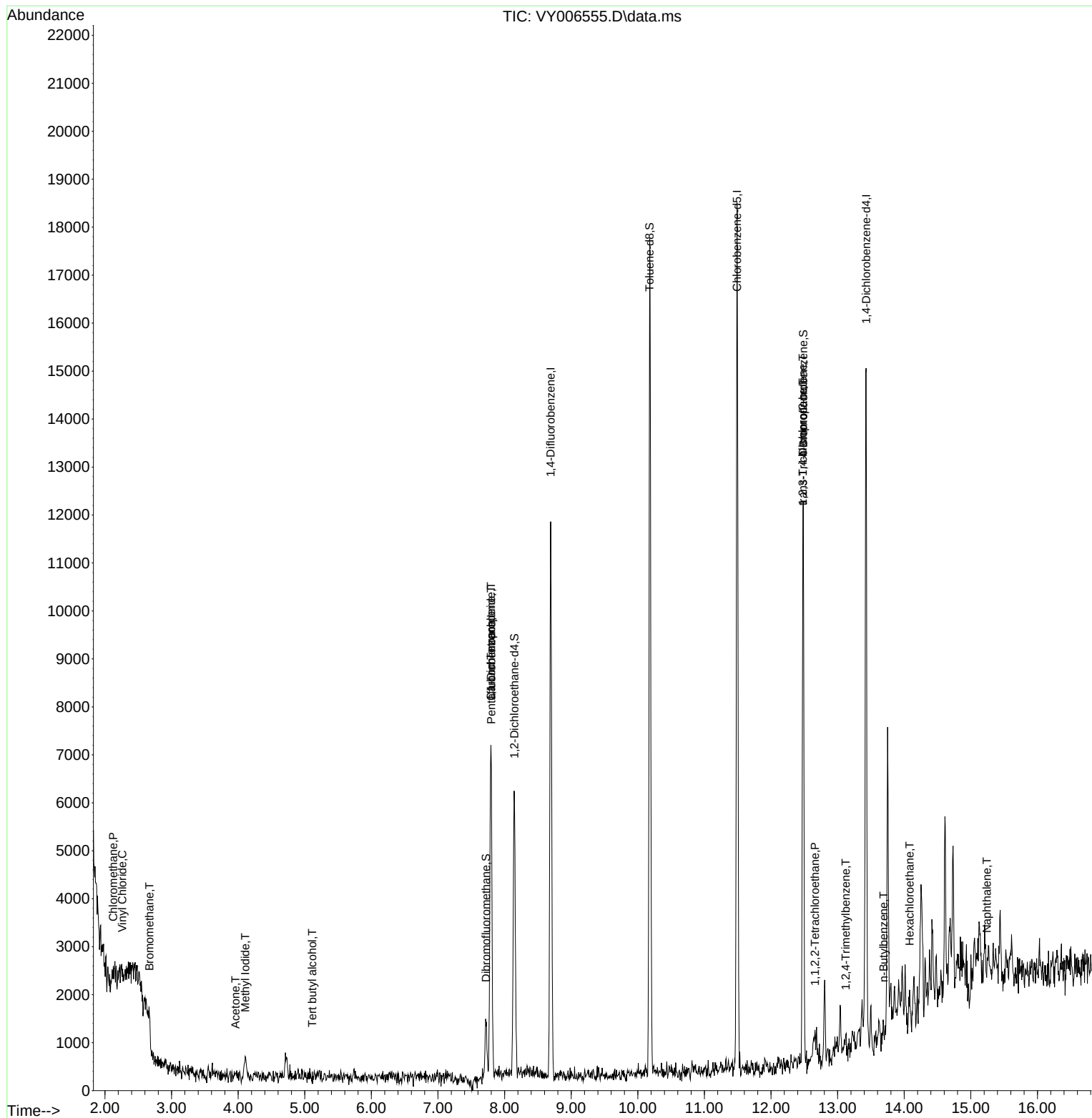
Internal Standards						
1) Pentafluorobenzene	7.801	168	5800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	8960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	8984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	4608	64.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.120%	
35) Dibromofluoromethane	7.722	113	904	18.102	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 36.200%#	
50) Toluene-d8	10.179	98	11093	52.398	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.483	95	3470	48.657	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.320%	
Target Compounds						Qvalue
3) Chloromethane	2.125	50	205	2.833	ug/l #	59
4) Vinyl Chloride	2.259	62	125	1.547	ug/l #	44
5) Bromomethane	2.668	94	106	1.969	ug/l	89
10) Methyl Iodide	4.107	142	718	16.356	ug/l #	63
11) Tert butyl alcohol	5.112	59	20	3.085	ug/l #	72
16) Acetone	3.960	43	50	2.433	ug/l #	46
20) Methylene Chloride	4.728	84	257	Below Cal	#	88
36) 1,1-Dichloropropene	7.795	75	401	4.529	ug/l #	42
38) Carbon Tetrachloride	7.795	117	584	5.980	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.660	83	41	1.116	ug/l #	79
76) 1,2,3-Trichloropropane	12.477	75	2065	66.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2065	135.552	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	198	1.114	ug/l #	50
89) n-Butylbenzene	13.690	91	191	1.038	ug/l #	33
90) Hexachloroethane	14.080	117	53	1.500	ug/l #	6
95) Naphthalene	15.239	128	213	1.872	ug/l #	82

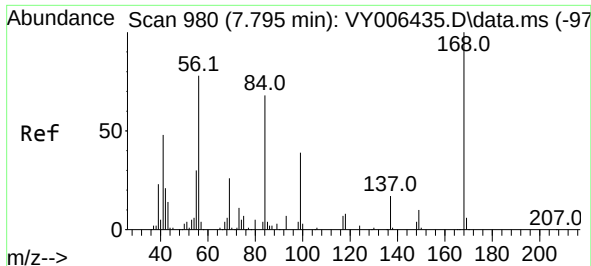
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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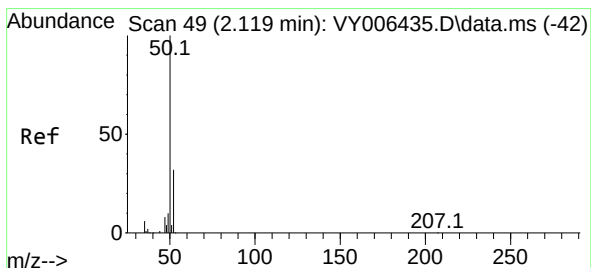
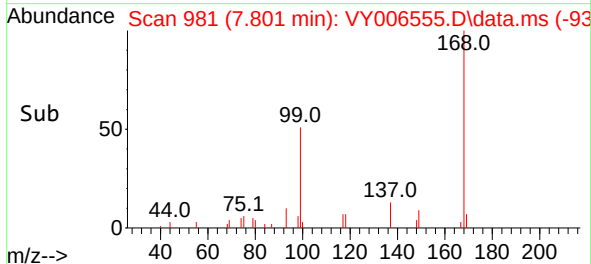
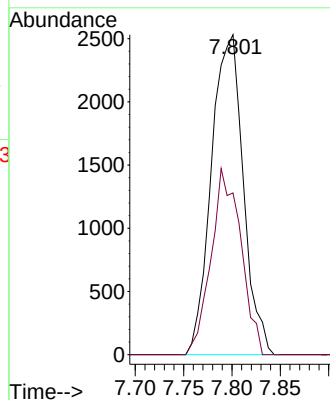
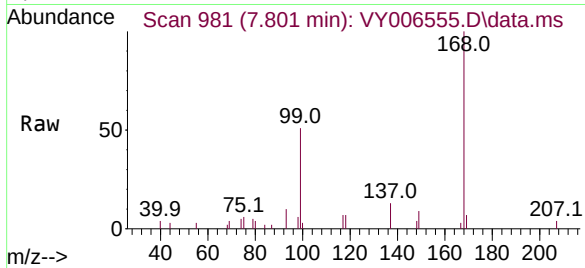




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

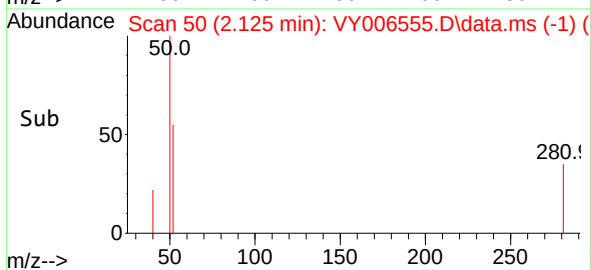
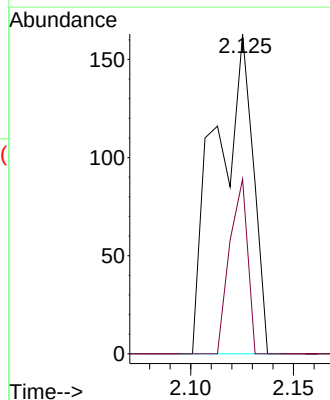
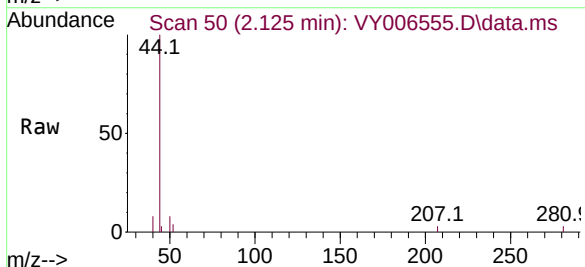
Instrument :
MSVOA_Y
ClientSampleId :

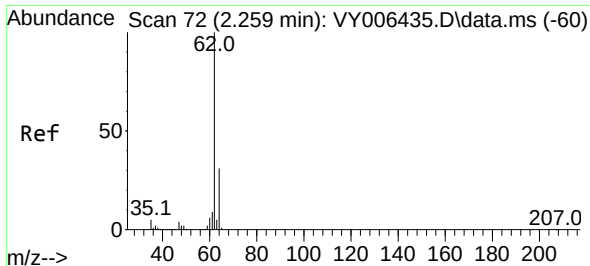
Tgt Ion:168 Resp: 5800
Ion Ratio Lower Upper
168 100
99 50.6 44.8 67.2



#3
Chloromethane
Concen: 2.833 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 54.6 25.4 38.2#

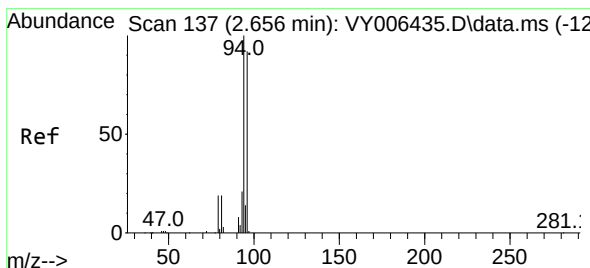
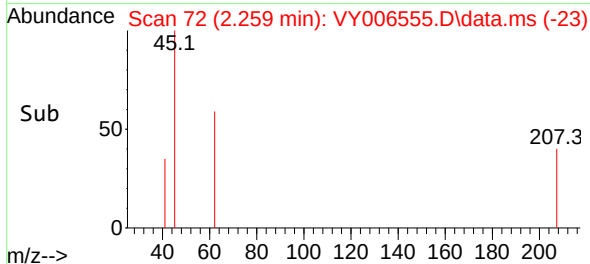
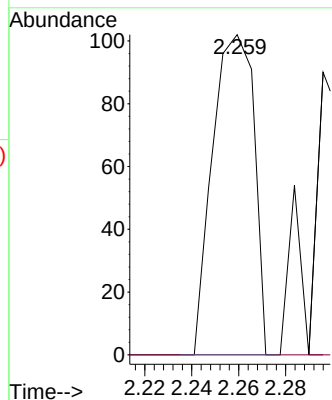
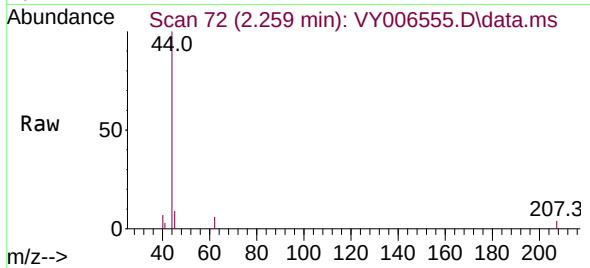




#4
 Vinyl Chloride
 Concen: 1.547 ug/l
 RT: 2.259 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY006555.D
 Acq: 01 Nov 2021 16:30

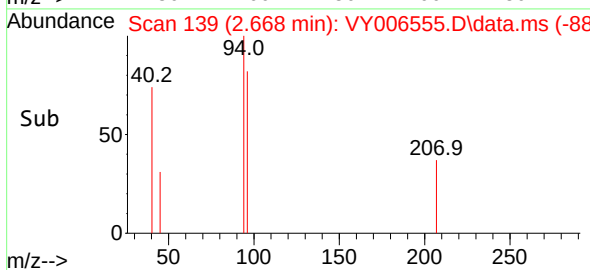
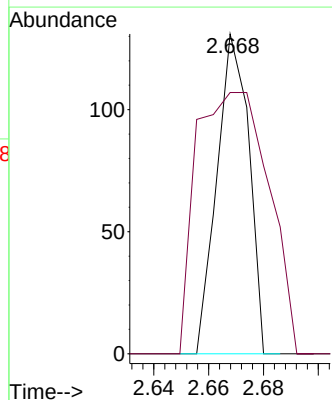
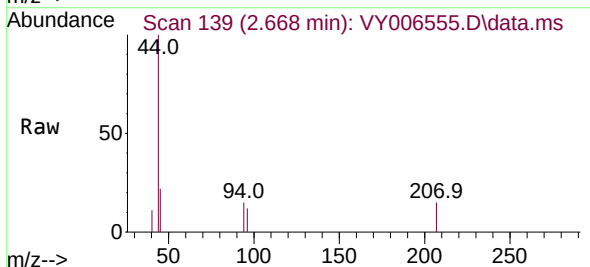
Instrument :
 MSVOA_Y
 ClientSampleId :

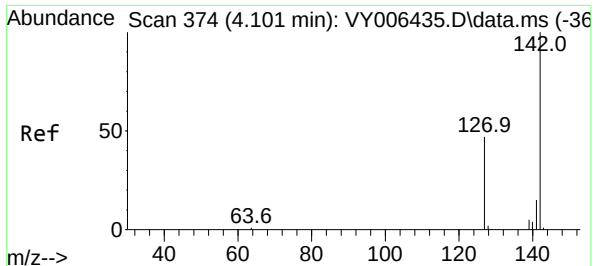
Tgt Ion: 62 Resp: 125
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 1.969 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.012 min
 Lab File: VY006555.D
 Acq: 01 Nov 2021 16:30

Tgt Ion: 94 Resp: 106
 Ion Ratio Lower Upper
 94 100
 96 81.7 73.5 110.3





#10

Methyl Iodide

Concen: 16.356 ug/l

RT: 4.107 min Scan# 31

Delta R.T. 0.006 min

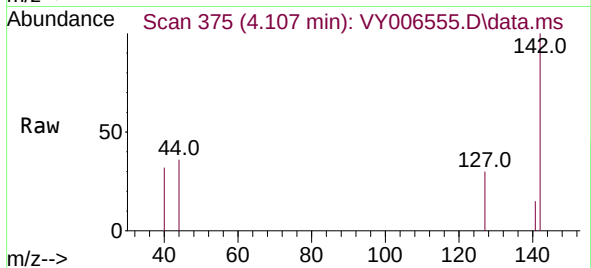
Lab File: VY006555.D

Acq: 01 Nov 2021 16:30

Instrument :

MSVOA_Y

ClientSampleId :



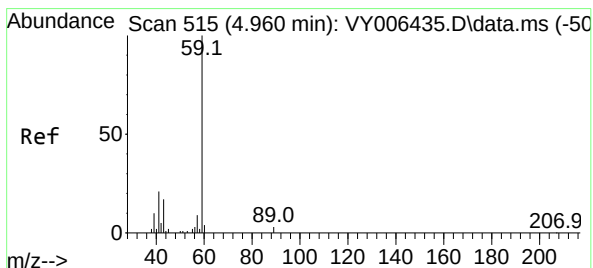
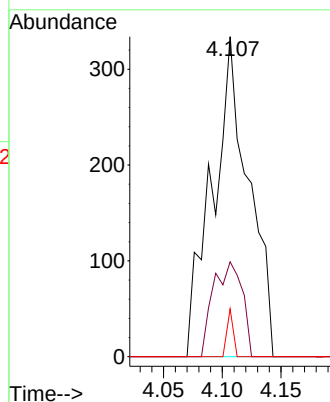
Tgt Ion:142 Resp: 718

Ion Ratio Lower Upper

142 100

127 23.5 40.1 60.1#

141 2.5 12.5 18.7#



#11

Tert butyl alcohol

Concen: 3.085 ug/l

RT: 5.112 min Scan# 540

Delta R.T. 0.152 min

Lab File: VY006555.D

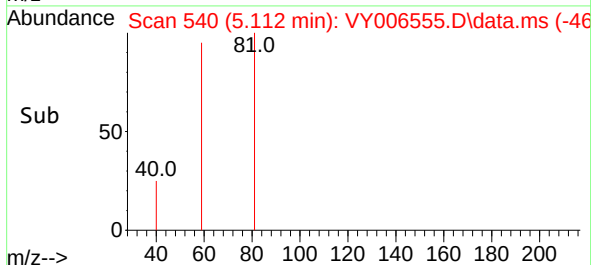
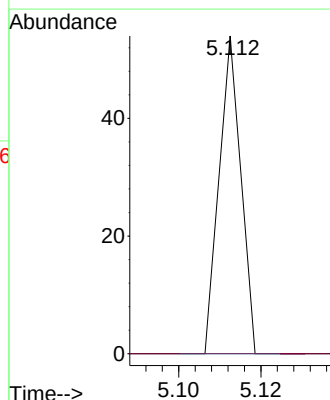
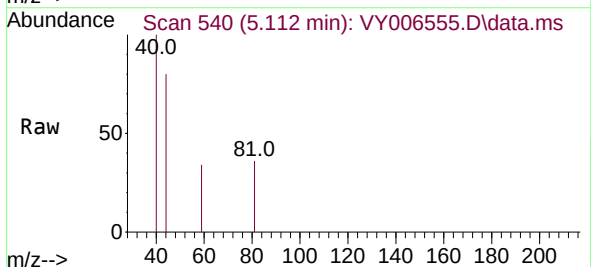
Acq: 01 Nov 2021 16:30

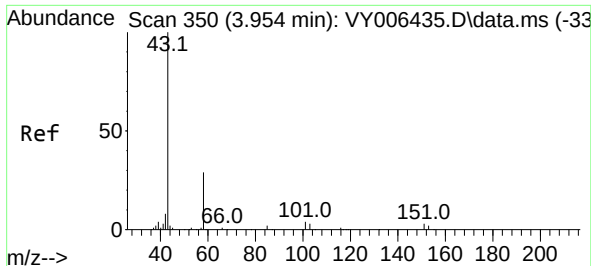
Tgt Ion: 59 Resp: 20

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 2.433 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY006555.D

Acq: 01 Nov 2021 16:30

Instrument :

MSVOA_Y

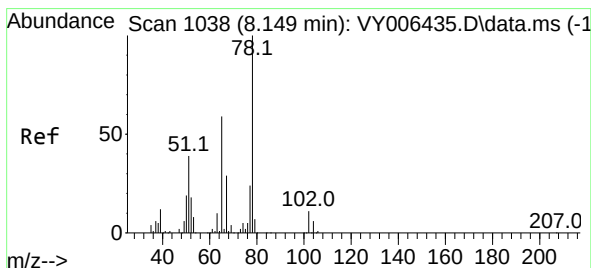
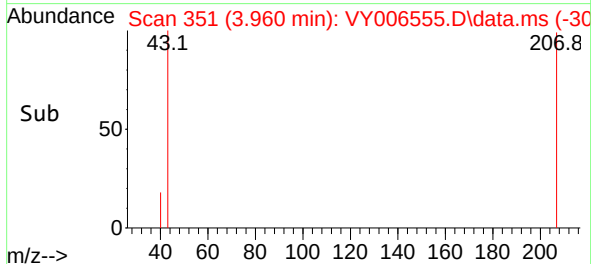
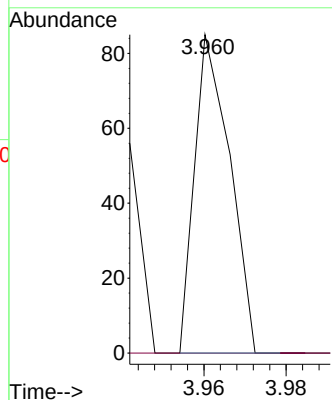
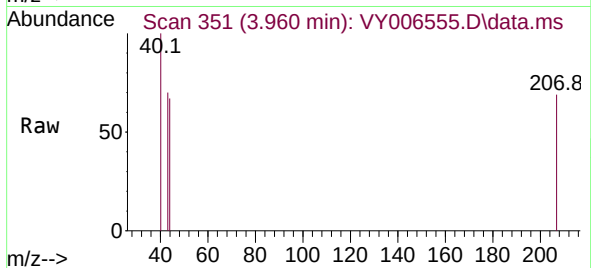
ClientSampleId :

Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#33

1,2-Dichloroethane-d4

Concen: 64.562 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY006555.D

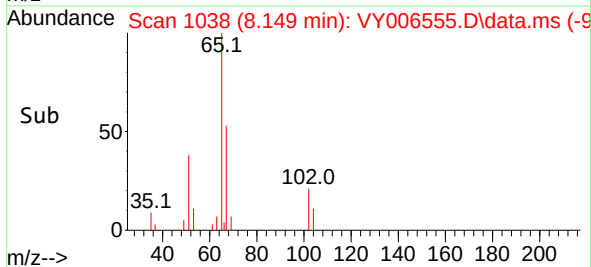
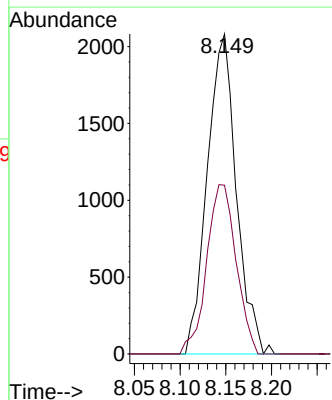
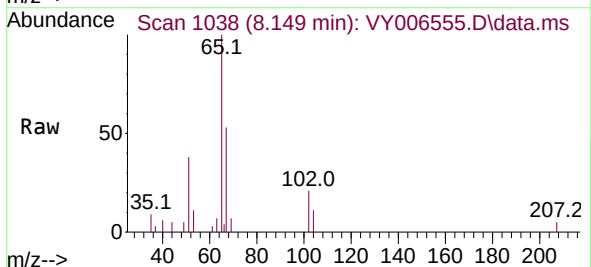
Acq: 01 Nov 2021 16:30

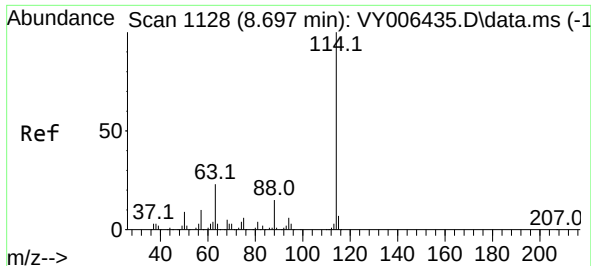
Tgt Ion: 65 Resp: 4608

Ion Ratio Lower Upper

65 100

67 53.5 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006555.D

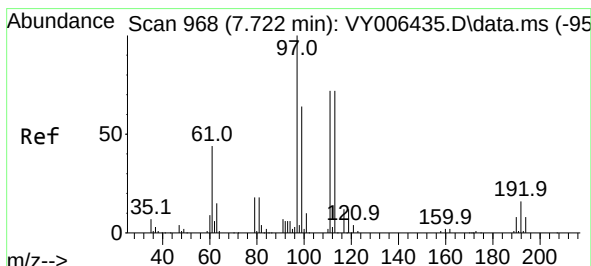
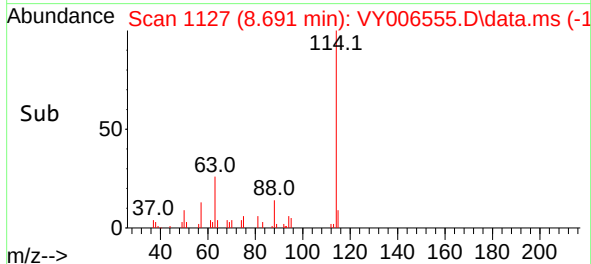
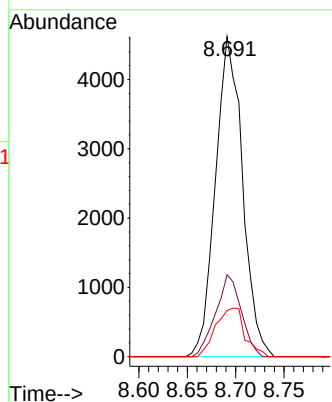
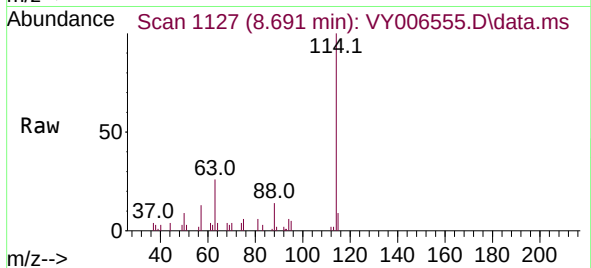
Acq: 01 Nov 2021 16:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	8960
Ion Ratio	Lower	Upper
114	100	
63	25.6	0.0 45.0
88	14.4	0.0 30.6



#35

Dibromofluoromethane

Concen: 18.102 ug/l

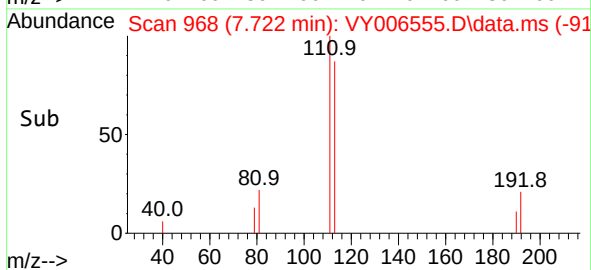
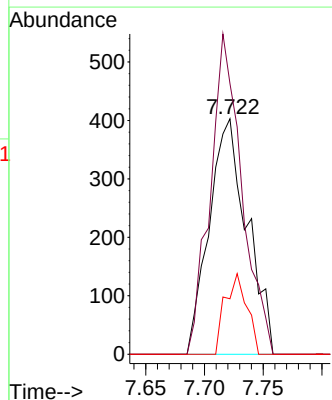
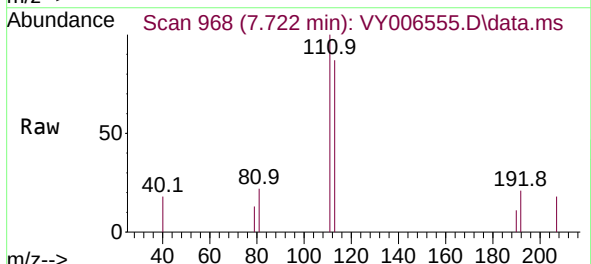
RT: 7.722 min Scan# 968

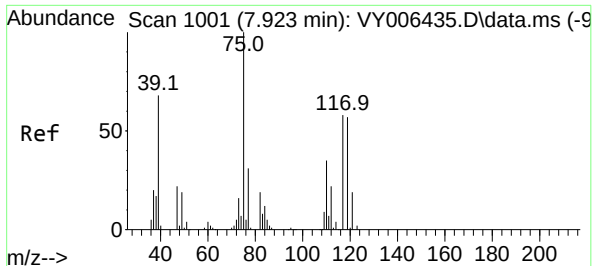
Delta R.T. -0.000 min

Lab File: VY006555.D

Acq: 01 Nov 2021 16:30

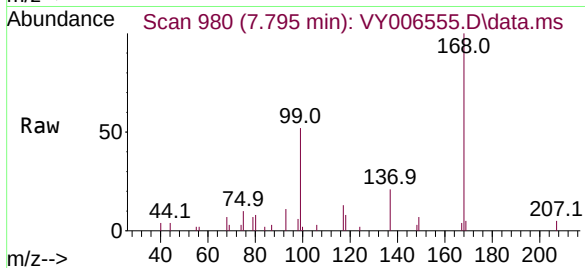
Tgt Ion:113	Resp:	904
Ion Ratio	Lower	Upper
113	100	
111	113.9	82.3 123.5
192	19.7	17.4 26.2



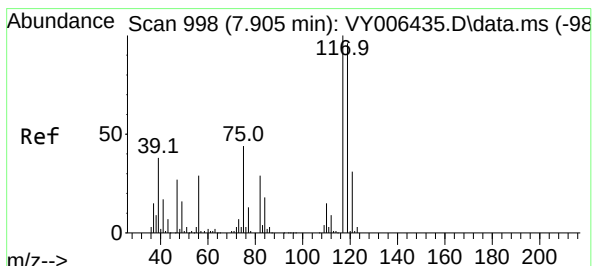
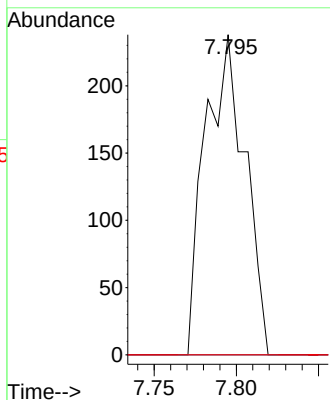
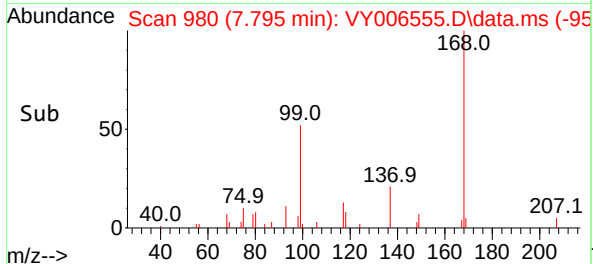


#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

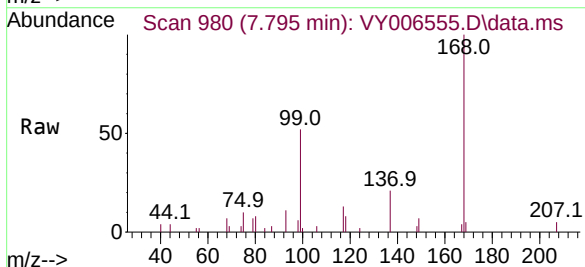
Instrument :
MSVOA_Y
ClientSampleId :



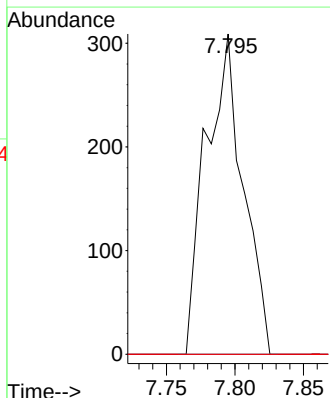
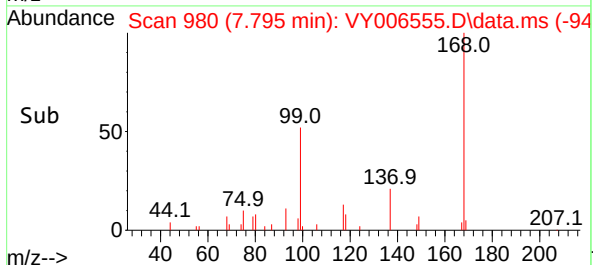
Tgt Ion: 75 Resp: 401
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#

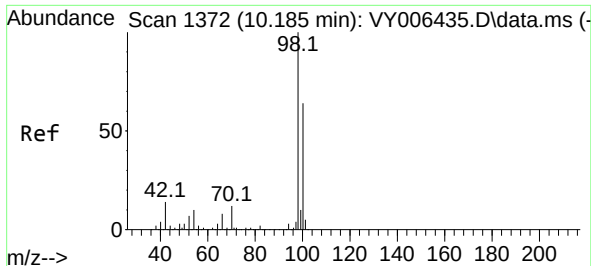


#38
Carbon Tetrachloride
Concen: 5.980 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30



Tgt Ion: 117 Resp: 584
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#

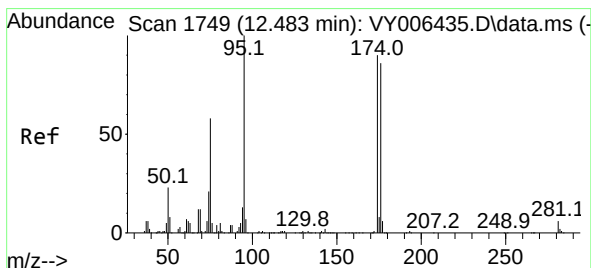
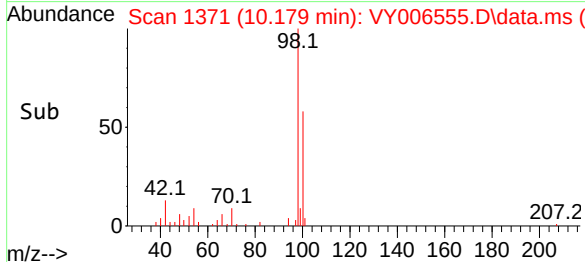
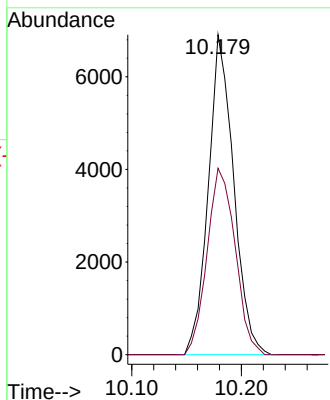
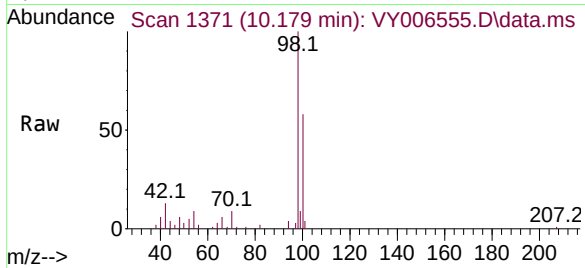




#50
Toluene-d8
Concen: 52.398 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

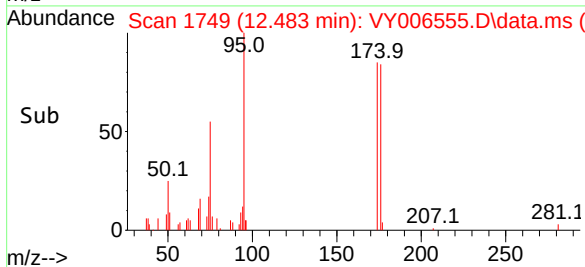
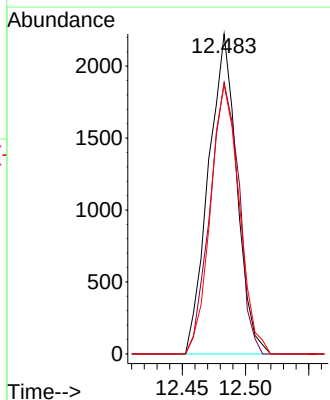
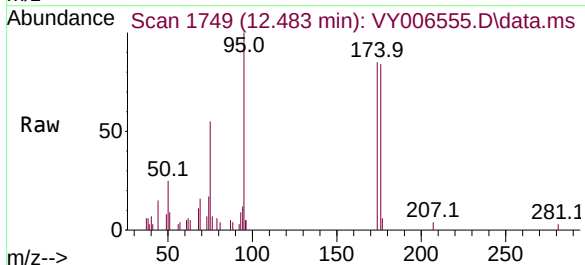
Instrument :
MSVOA_Y
ClientSampleId :

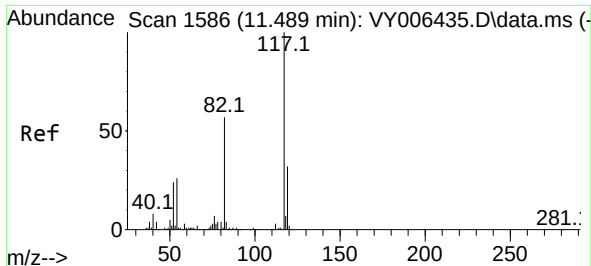
Tgt Ion: 98 Resp: 11093
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.657 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

Tgt Ion: 95 Resp: 3470
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 85.2 0.0 169.4

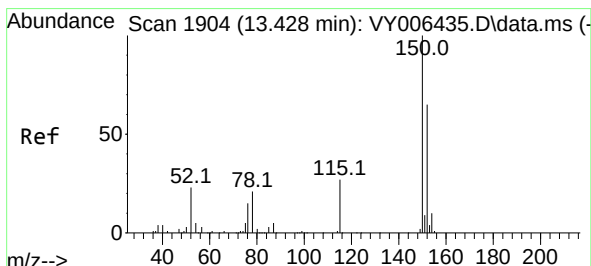
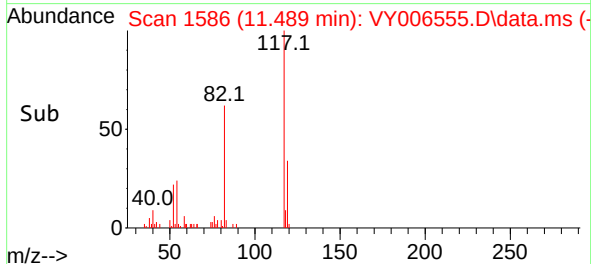
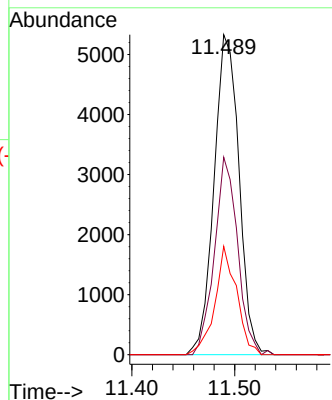
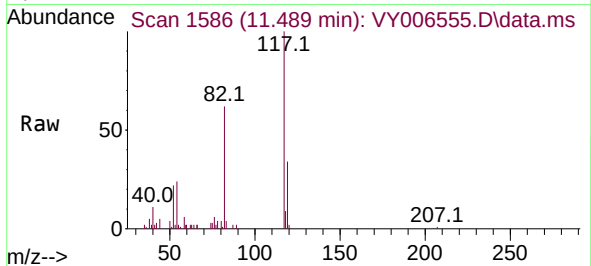




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

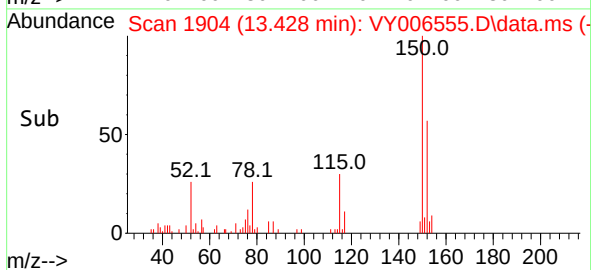
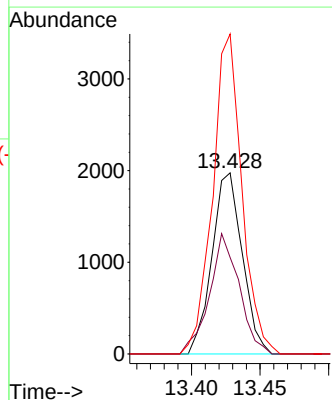
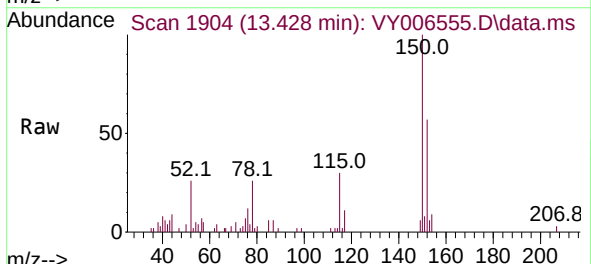
Instrument :
MSVOA_Y
ClientSampleId :

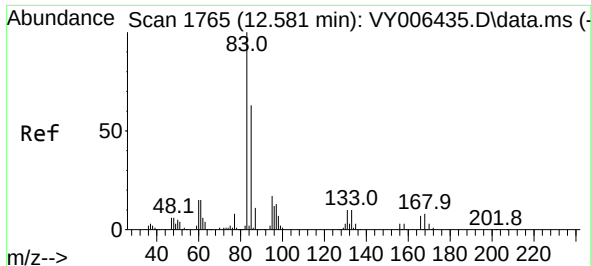
Tgt Ion:117	Resp:	8984
Ion Ratio	Lower	Upper
117	100	
82	61.7	45.7 68.5
119	33.9	25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

Tgt Ion:152	Resp:	3035
Ion Ratio	Lower	Upper
152	100	
115	65.0	28.5 85.5
150	170.5	0.0 348.2

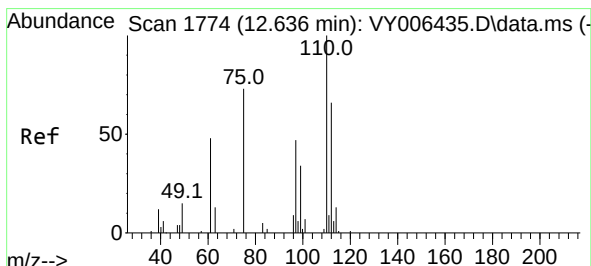
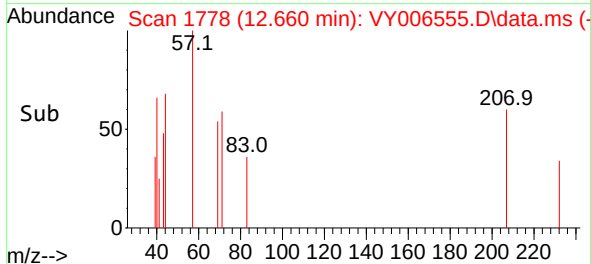
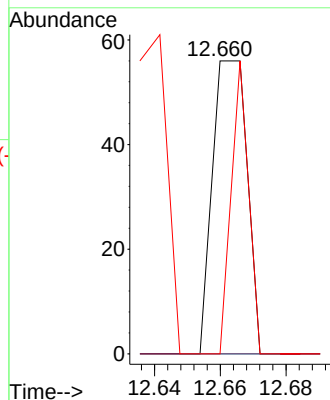
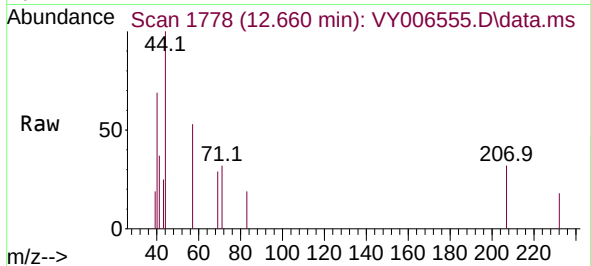




#75
1,1,2,2-Tetrachloroethane
Concen: 1.116 ug/l
RT: 12.660 min Scan# 1765
Delta R.T. 0.079 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

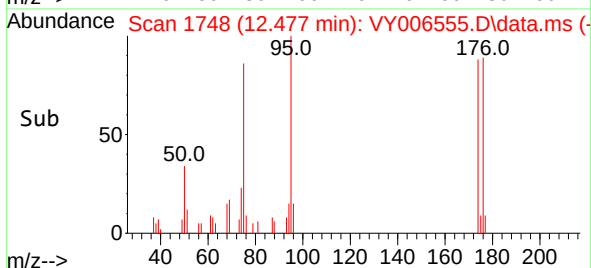
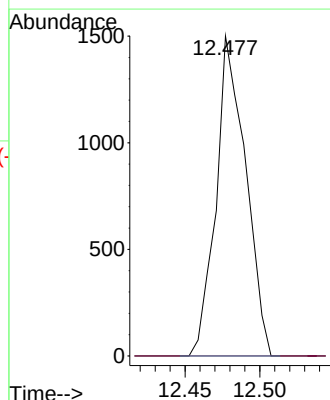
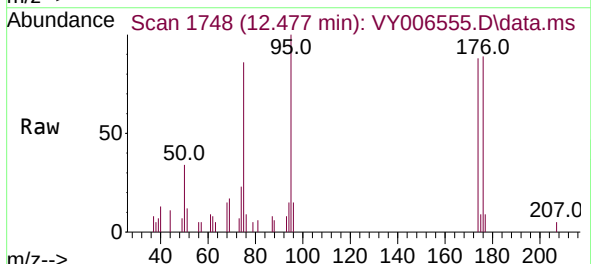
Instrument :
MSVOA_Y
ClientSampleId :

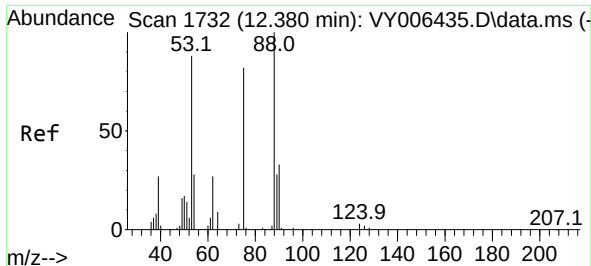
Tgt Ion: 83 Resp: 41
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 48.8 31.9 95.9



#76
1,2,3-Trichloropropane
Concen: 66.027 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

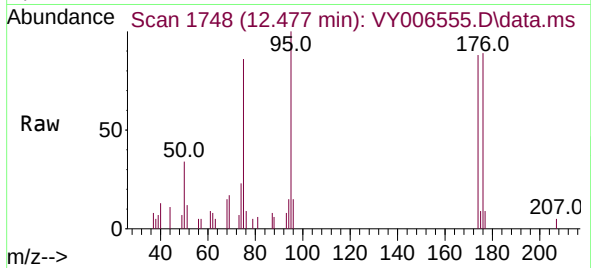
Tgt Ion: 75 Resp: 2065
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



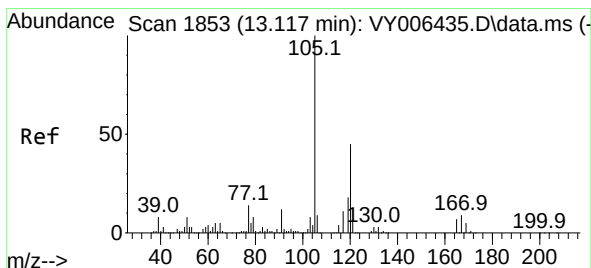
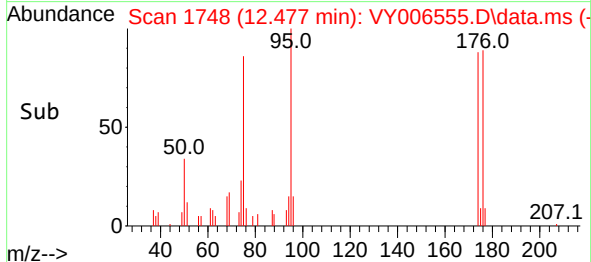
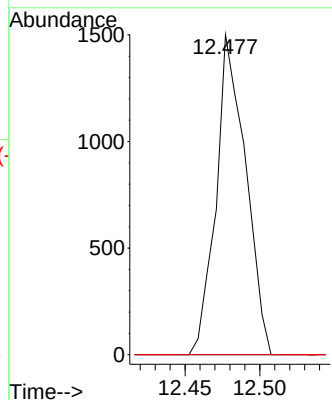


#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.552 ug/l
 RT: 12.477 min Scan# 1732
 Delta R.T. 0.097 min
 Lab File: VY006555.D
 Acq: 01 Nov 2021 16:30

Instrument :
 MSVOA_Y
 ClientSampleId :

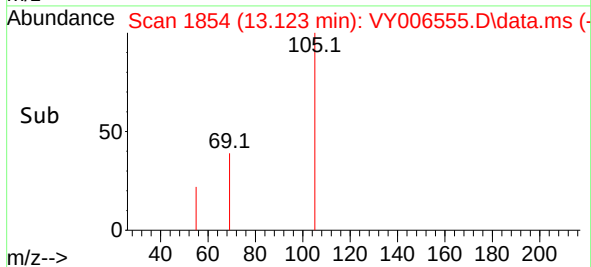
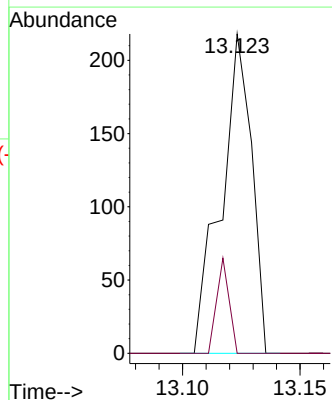
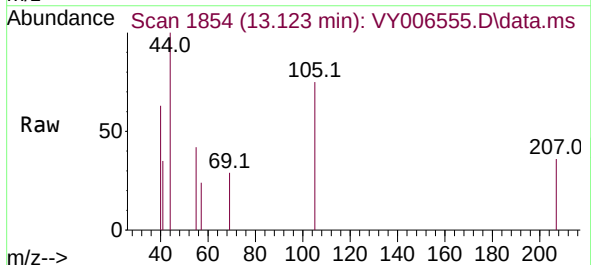


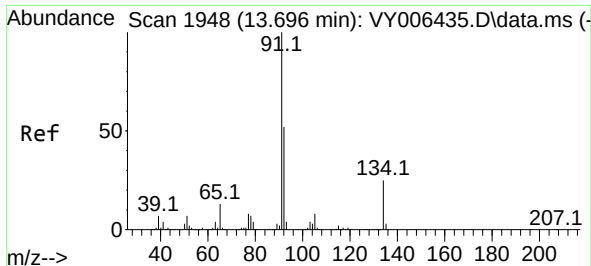
Tgt Ion: 75 Resp: 2065
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.8 128.6#
 89 0.0 39.3 58.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.114 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VY006555.D
 Acq: 01 Nov 2021 16:30

Tgt Ion: 105 Resp: 198
 Ion Ratio Lower Upper
 105 100
 120 12.1 22.6 67.8#





#89

n-Butylbenzene

Concen: 1.038 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY006555.D

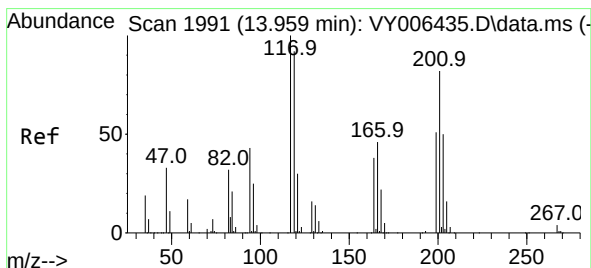
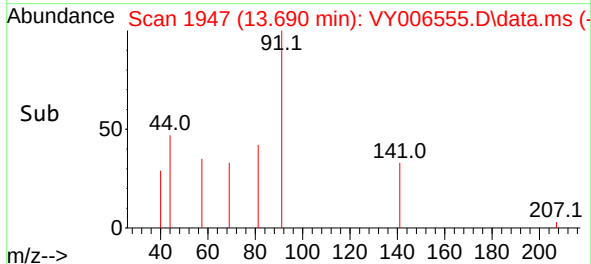
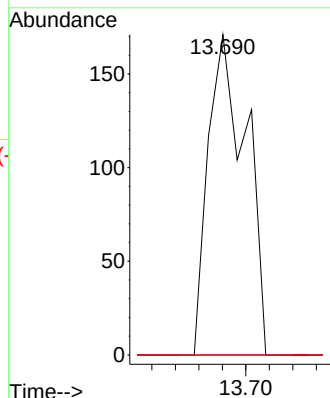
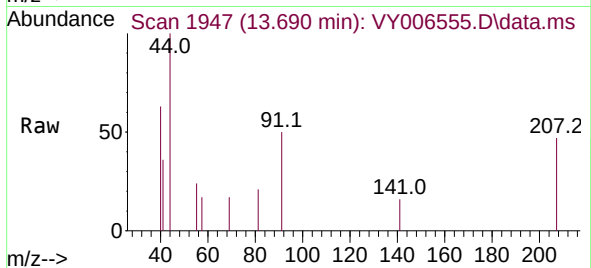
Acq: 01 Nov 2021 16:30

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	191
Ion Ratio	Lower	Upper
91	100	
92	0.0	26.3
134	0.0	12.9



#90

Hexachloroethane

Concen: 1.500 ug/l

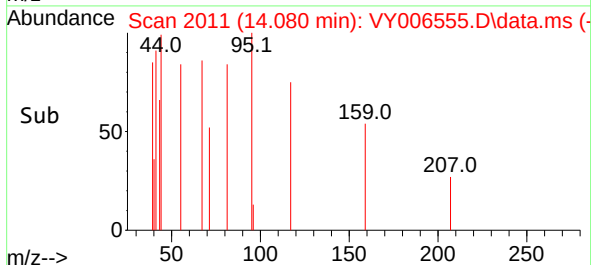
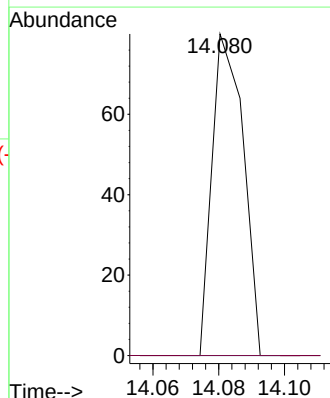
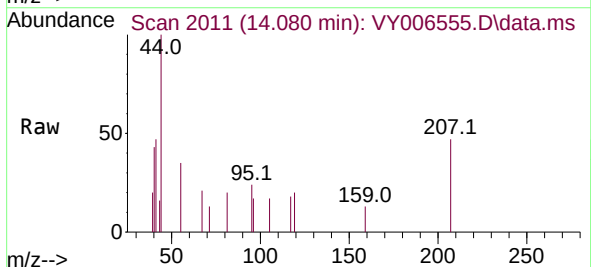
RT: 14.080 min Scan# 2011

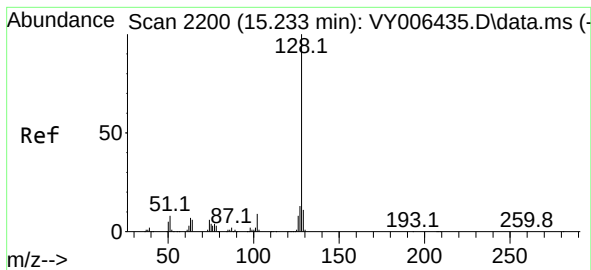
Delta R.T. 0.122 min

Lab File: VY006555.D

Acq: 01 Nov 2021 16:30

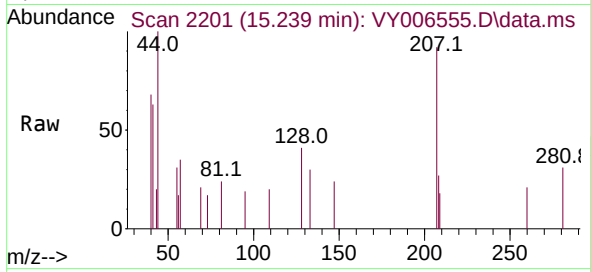
Tgt Ion: 117	Resp:	53
Ion Ratio	Lower	Upper
117	100	
201	0.0	43.4





#95
Naphthalene
Concen: 1.872 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY006555.D
Acq: 01 Nov 2021 16:30

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 213
Ion Ratio Lower Upper
128 100
127 10.3 11.0 16.4#
129 0.0 8.9 13.3#

