

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006563.D
 Acq On : 01 Nov 2021 19:39
 Operator : SY/MD
 Sample : M4424-08
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 02 03:31:50 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)

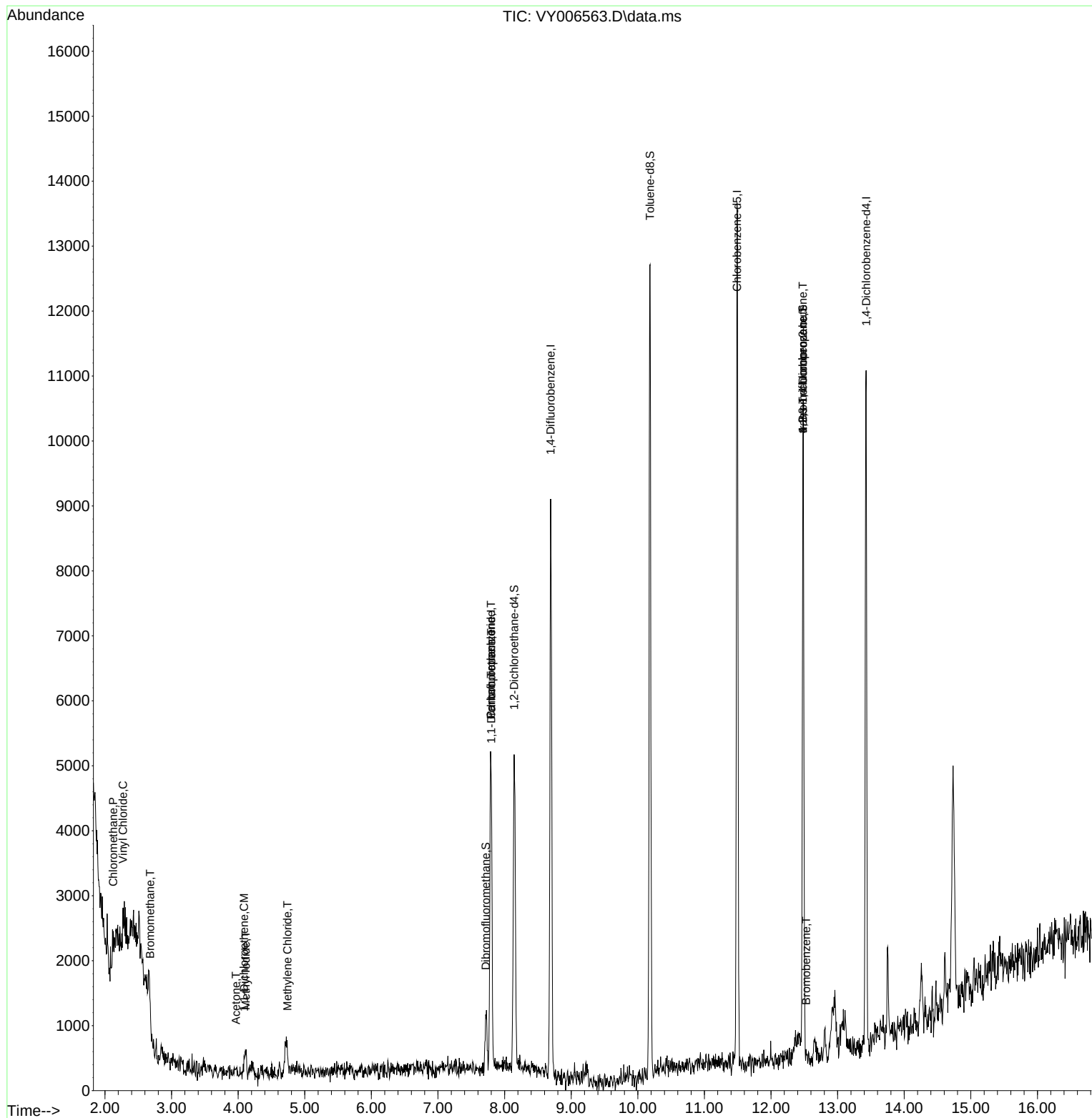
Internal Standards						
1) Pentafluorobenzene	7.795	168	4067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3971	79.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.700%	
35) Dibromofluoromethane	7.716	113	710	18.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 36.000%#	
50) Toluene-d8	10.185	98	8834	52.845	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.700%	
62) 4-Bromofluorobenzene	12.477	95	2904	51.570	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	178	3.508	ug/l #	43
4) Vinyl Chloride	2.272	62	161	2.841	ug/l #	44
5) Bromomethane	2.680	94	211	5.589	ug/l	84
10) Methyl Iodide	4.113	142	279	11.320	ug/l #	72
12) 1,1-Dichloroethene	4.088	96	53	1.443	ug/l #	1
16) Acetone	3.966	43	42	2.914	ug/l #	46
20) Methylene Chloride	4.741	84	364	4.468	ug/l #	32
36) 1,1-Dichloropropene	7.801	75	407	5.822	ug/l #	42
38) Carbon Tetrachloride	7.795	117	383	4.966	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	1606	58.371	ug/l #	100
77) Bromobenzene	12.526	156	46	1.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	1606	119.833	ug/l #	7

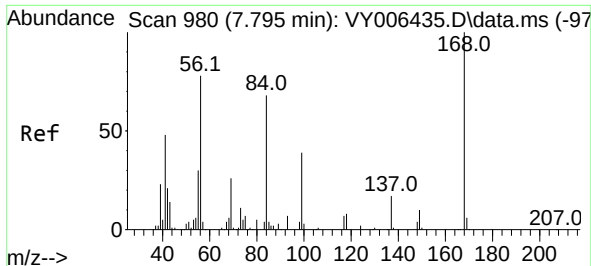
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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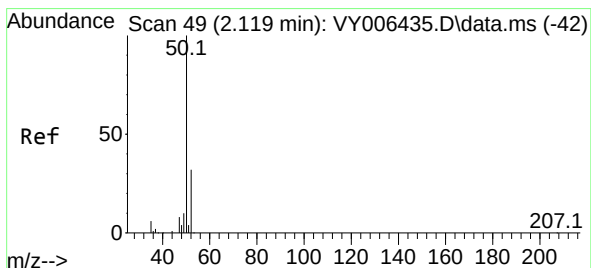
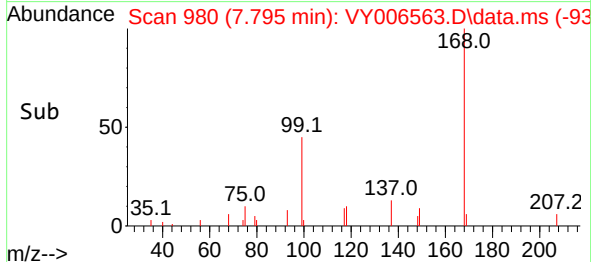
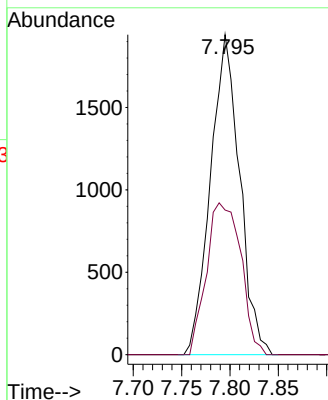
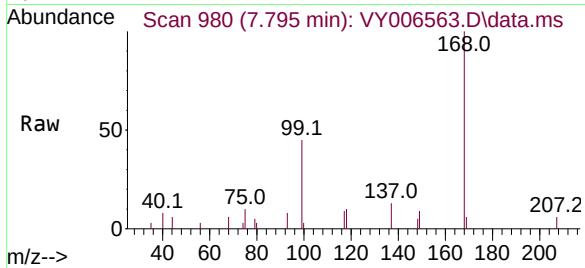




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

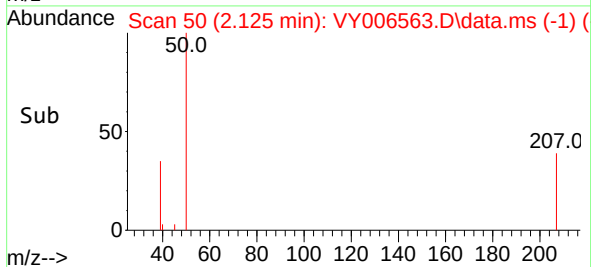
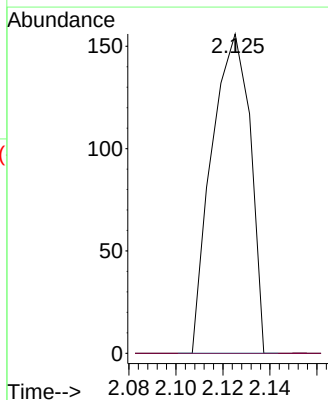
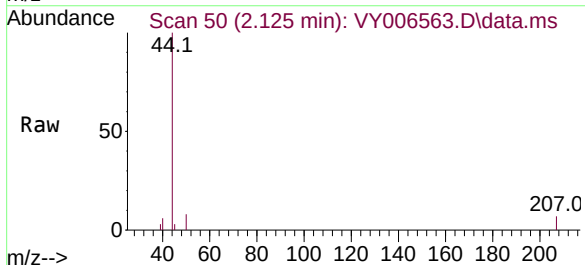
Instrument :
MSVOA_Y
ClientSampleId :

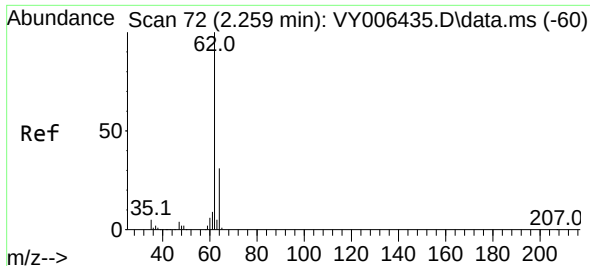
Tgt Ion:168 Resp: 4067
Ion Ratio Lower Upper
168 100
99 45.2 44.8 67.2



#3
Chloromethane
Concen: 3.508 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Tgt Ion: 50 Resp: 178
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

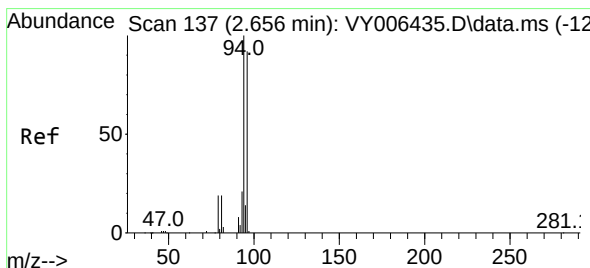
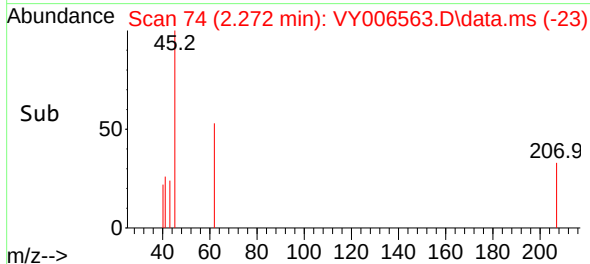
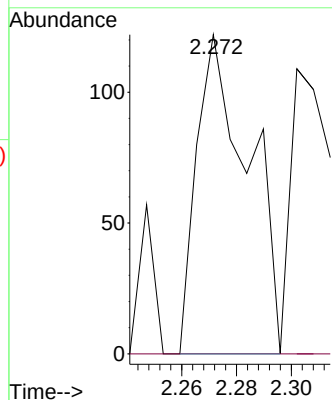
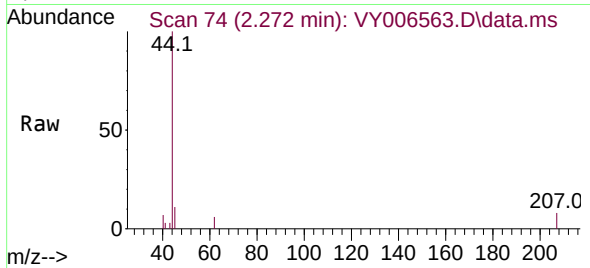




#4
 Vinyl Chloride
 Concen: 2.841 ug/l
 RT: 2.272 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: VY006563.D
 Acq: 01 Nov 2021 19:39

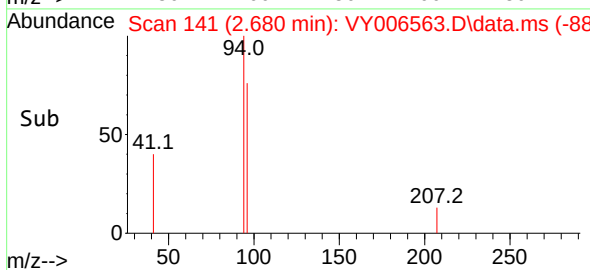
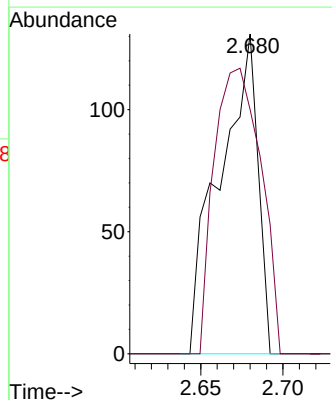
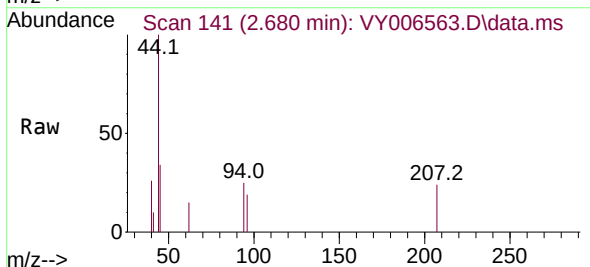
Instrument :
 MSVOA_Y
 ClientSampleId :

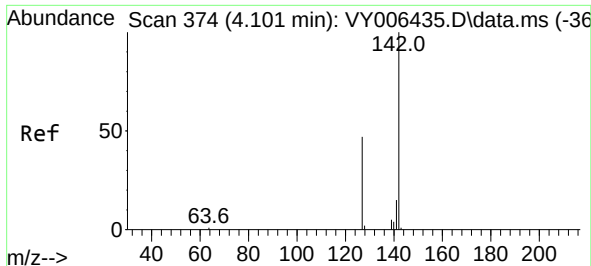
Tgt Ion: 62 Resp: 161
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.7 37.1#



#5
 Bromomethane
 Concen: 5.589 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.024 min
 Lab File: VY006563.D
 Acq: 01 Nov 2021 19:39

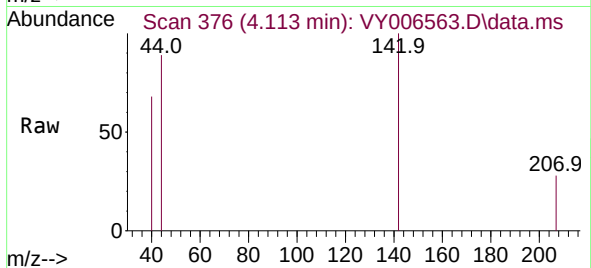
Tgt Ion: 94 Resp: 211
 Ion Ratio Lower Upper
 94 100
 96 76.3 73.5 110.3



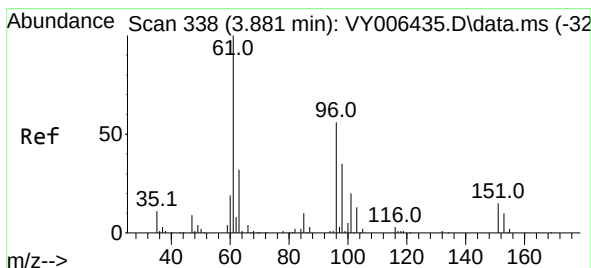
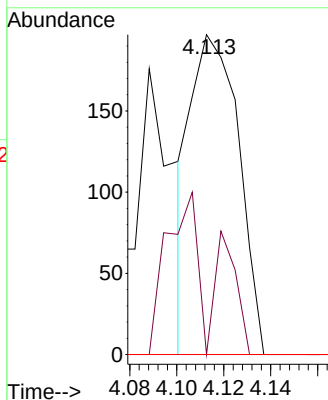
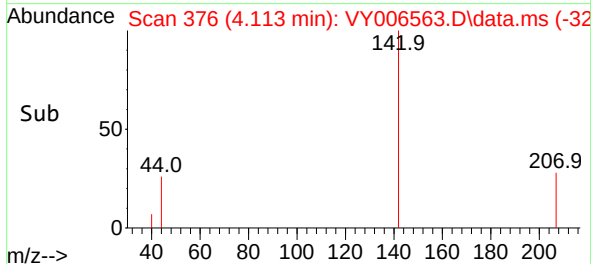


#10
Methyl Iodide
Concen: 11.320 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Instrument :
MSVOA_Y
ClientSampleId :

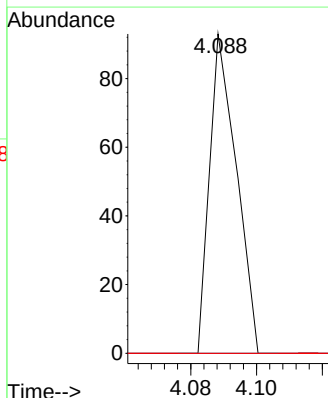
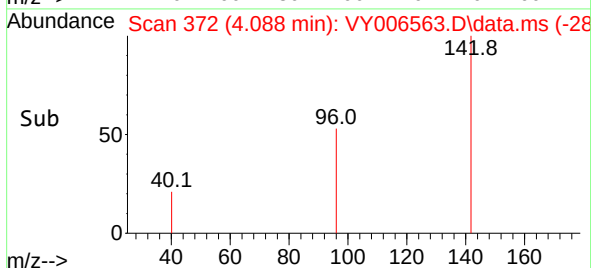
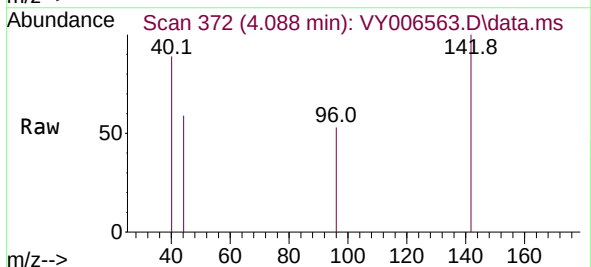


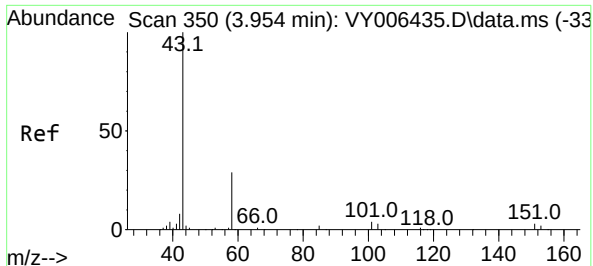
Tgt Ion:142 Resp: 279
Ion Ratio Lower Upper
142 100
127 32.6 40.1 60.1#
141 0.0 12.5 18.7#



#12
1,1-Dichloroethene
Concen: 1.443 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.207 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Tgt Ion: 96 Resp: 53
Ion Ratio Lower Upper
96 100
61 0.0 143.0 214.6#
98 0.0 50.5 75.7#

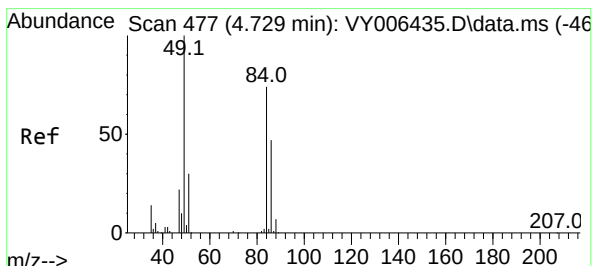
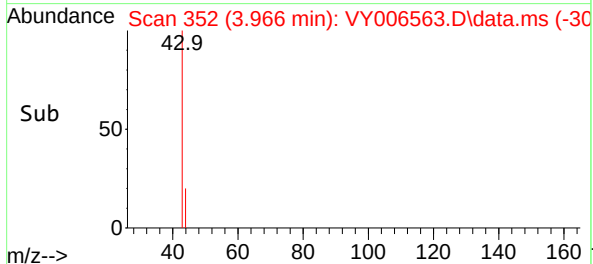
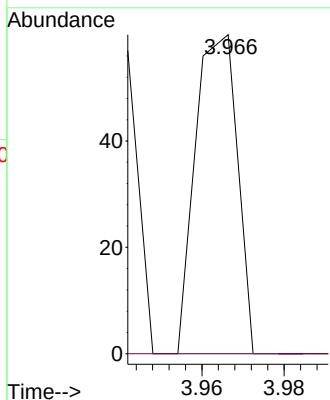
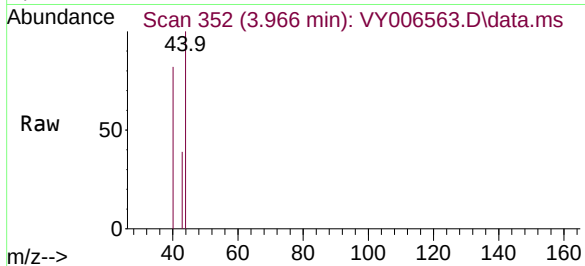




#16
Acetone
Concen: 2.914 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

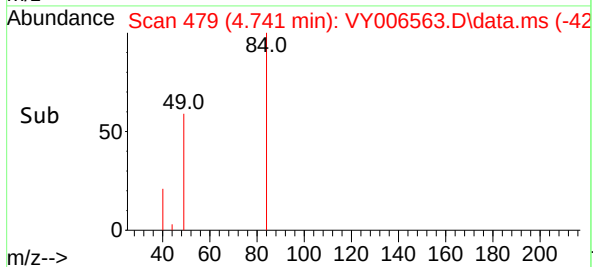
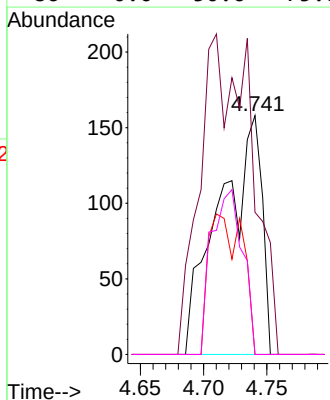
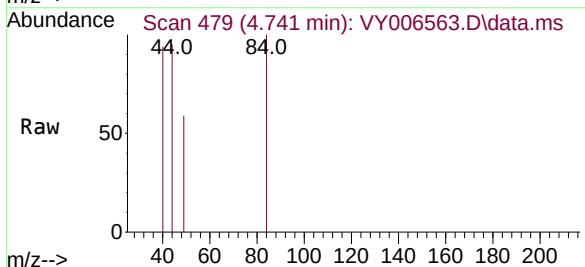
Instrument :
MSVOA_Y
ClientSampleId :

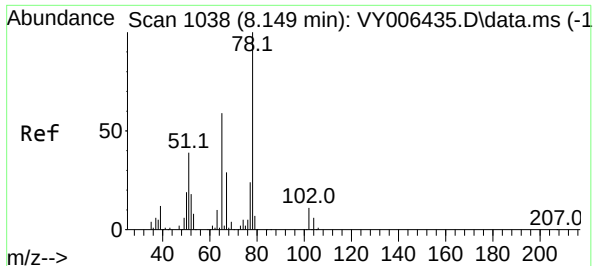
Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: 4.468 ug/l
RT: 4.741 min Scan# 479
Delta R.T. 0.012 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Tgt Ion: 84 Resp: 364
Ion Ratio Lower Upper
84 100
49 59.5 107.8 161.8#
51 0.0 32.8 49.2#
86 0.0 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 79.345 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY006563.D

Acq: 01 Nov 2021 19:39

Instrument :

MSVOA_Y

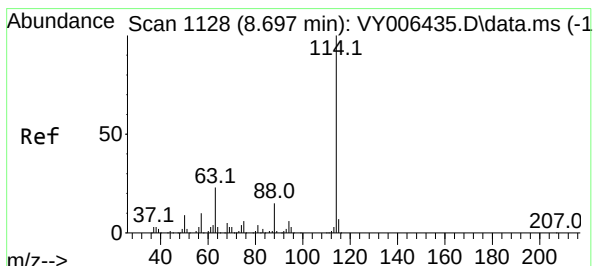
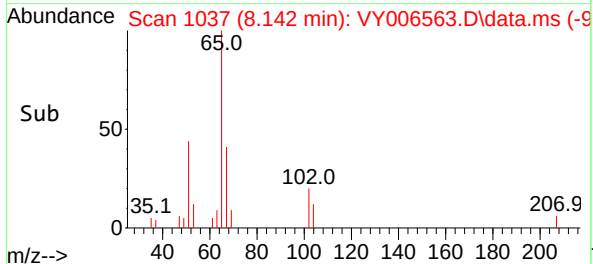
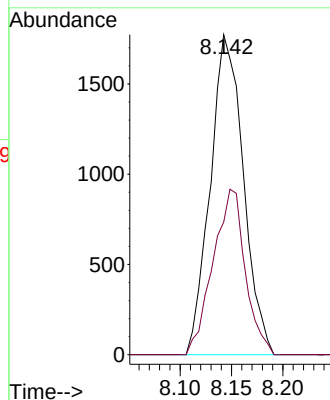
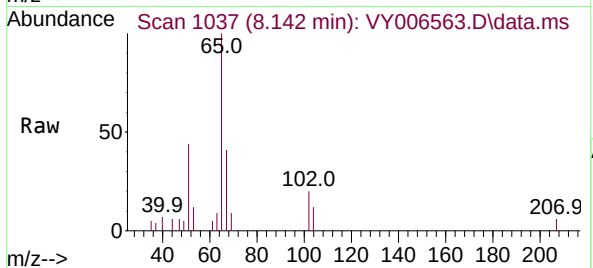
ClientSampleId :

Tgt Ion: 65 Resp: 3971

Ion Ratio Lower Upper

65 100

67 50.3 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006563.D

Acq: 01 Nov 2021 19:39

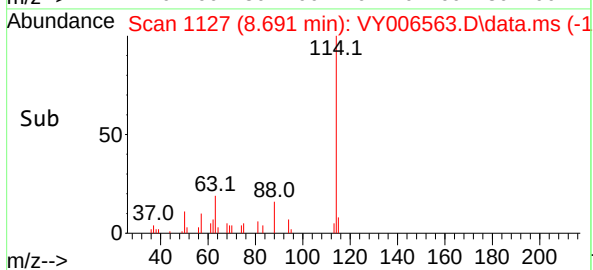
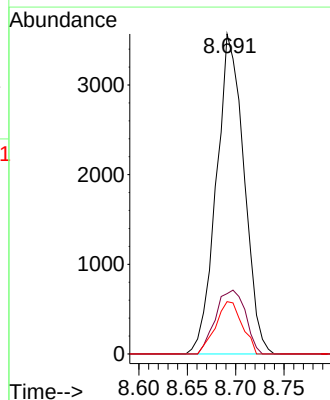
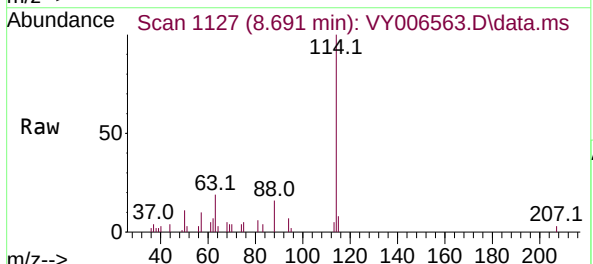
Tgt Ion: 114 Resp: 7075

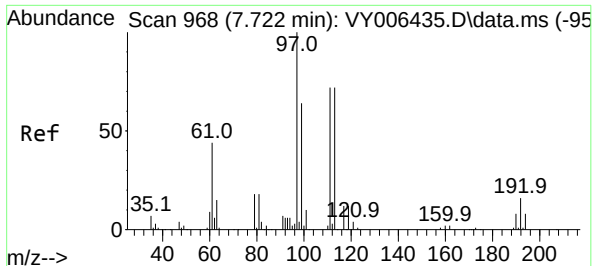
Ion Ratio Lower Upper

114 100

63 18.8 0.0 45.0

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 18.005 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

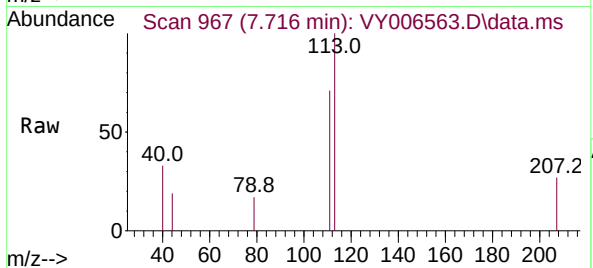
Lab File: VY006563.D

Acq: 01 Nov 2021 19:39

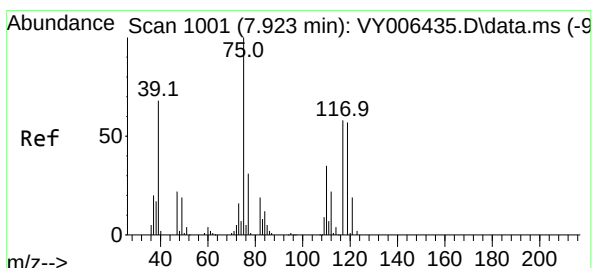
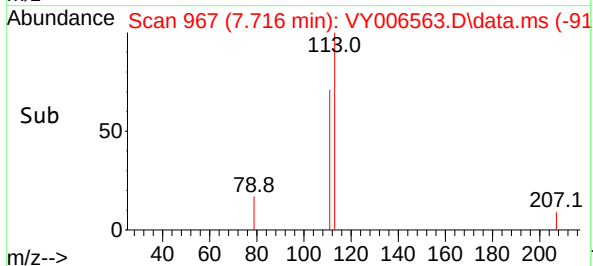
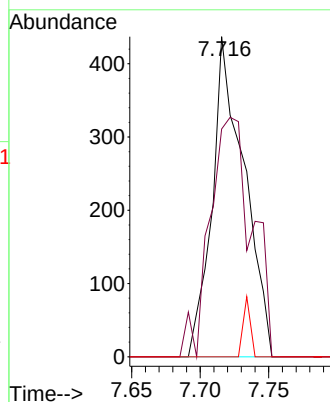
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	710
Ion	Ratio	Lower	Upper
113	100		
111	98.0	82.3	123.5
192	4.2	17.4	26.2#



#36

1,1-Dichloropropene

Concen: 5.822 ug/l

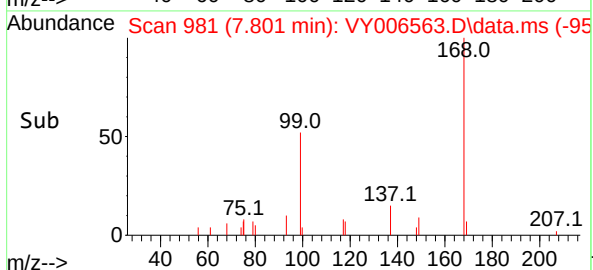
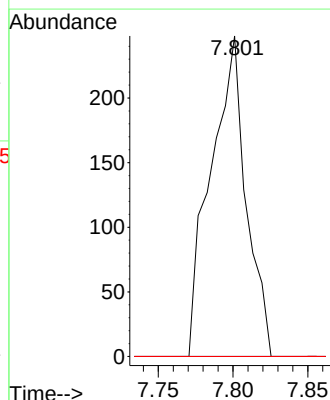
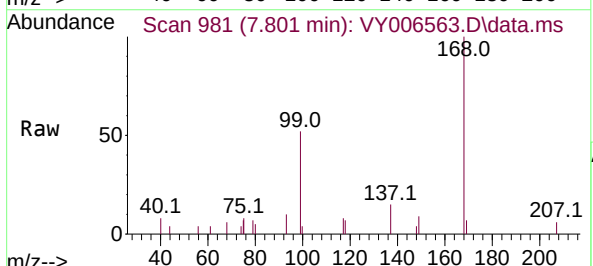
RT: 7.801 min Scan# 981

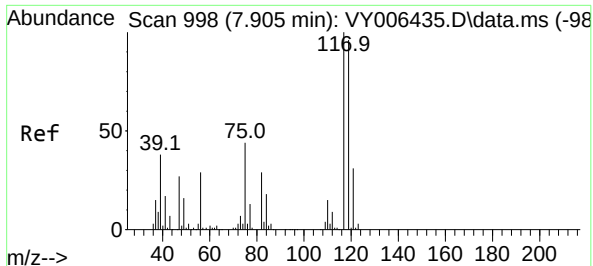
Delta R.T. -0.122 min

Lab File: VY006563.D

Acq: 01 Nov 2021 19:39

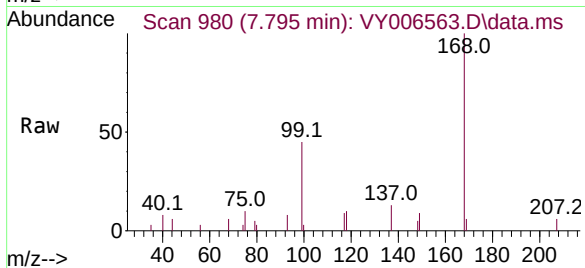
Tgt Ion:	75	Resp:	407
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.3#
77	0.0	24.9	37.3#



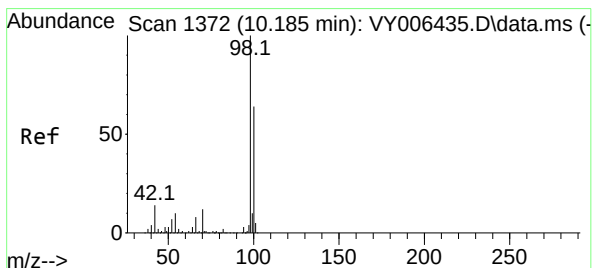
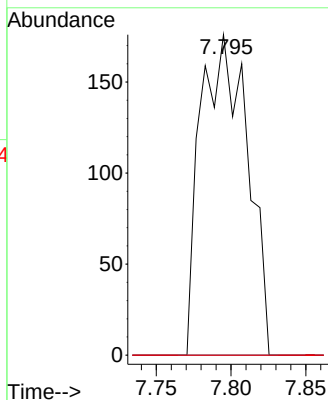
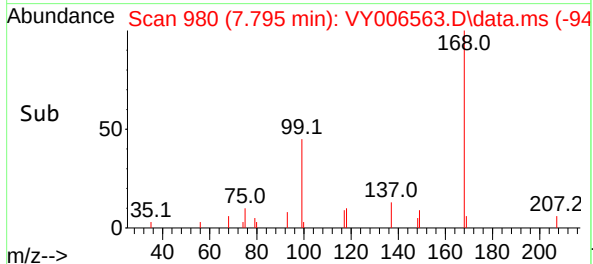


#38
Carbon Tetrachloride
Concen: 4.966 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Instrument :
MSVOA_Y
ClientSampleId :

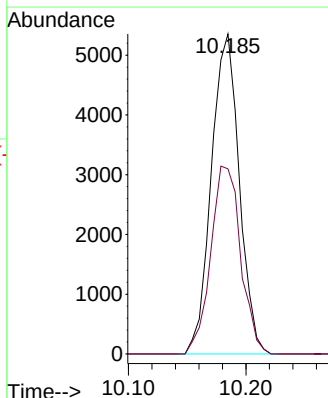
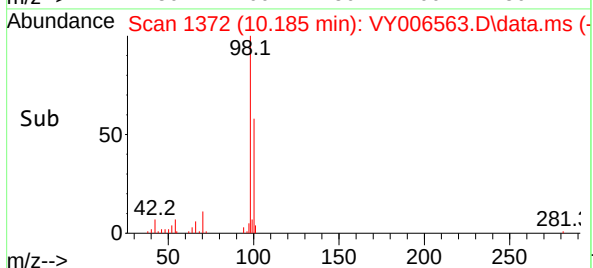
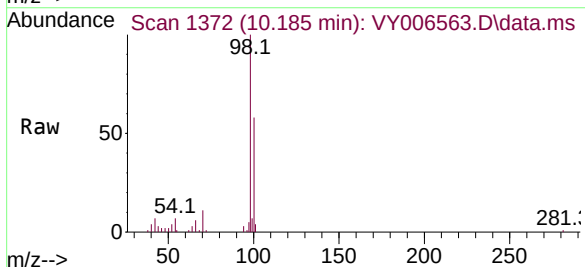


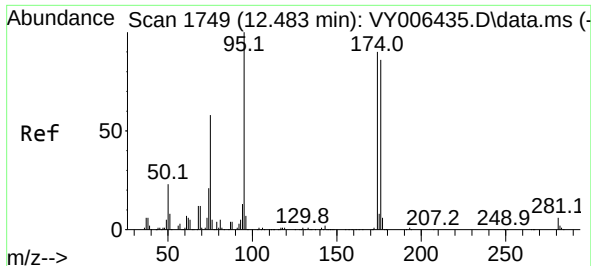
Tgt Ion:117 Resp: 383
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.845 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Tgt Ion: 98 Resp: 8834
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 51.570 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY006563.D

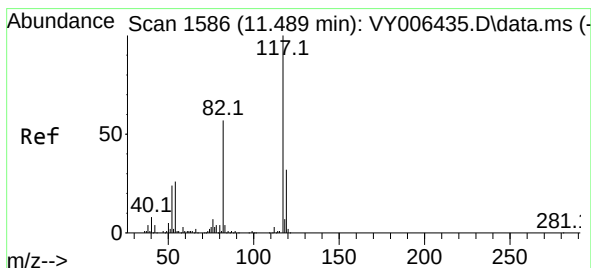
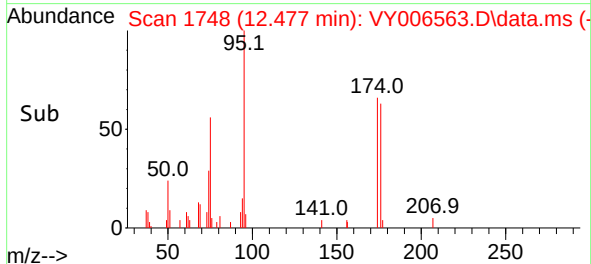
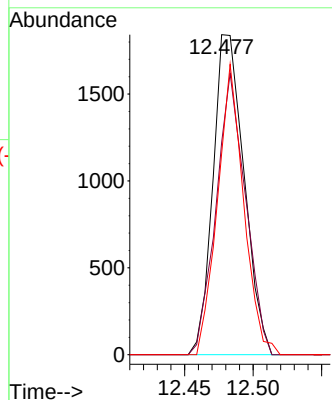
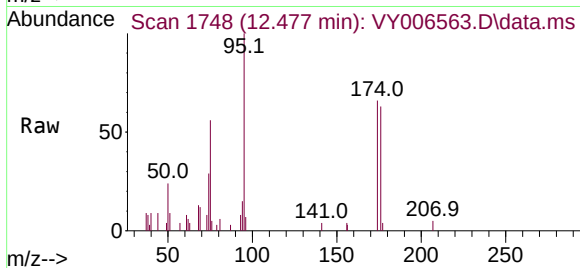
Acq: 01 Nov 2021 19:39

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp:	2904
Ion Ratio	Lower	Upper
95	100	
174	83.2	0.0 177.0
176	76.3	0.0 169.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

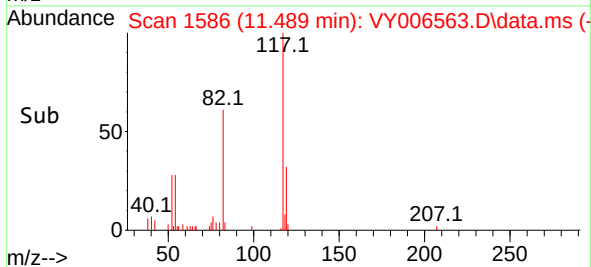
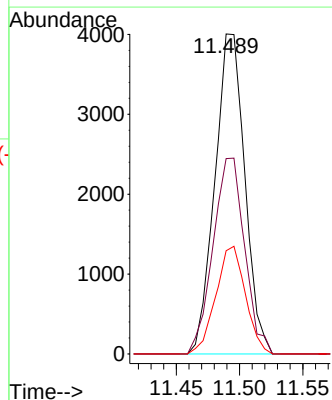
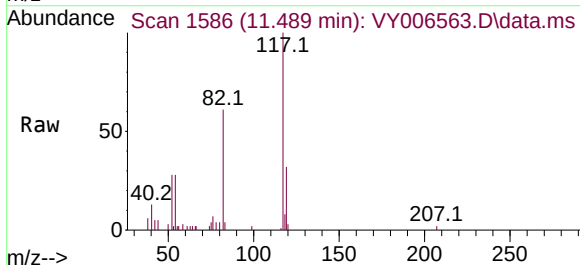
RT: 11.489 min Scan# 1586

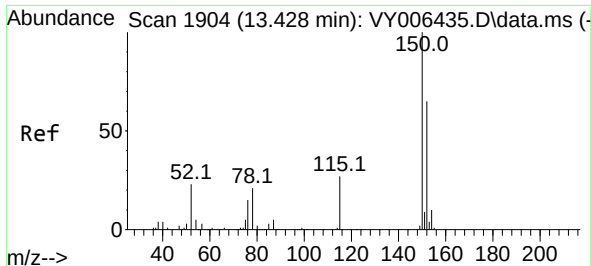
Delta R.T. -0.000 min

Lab File: VY006563.D

Acq: 01 Nov 2021 19:39

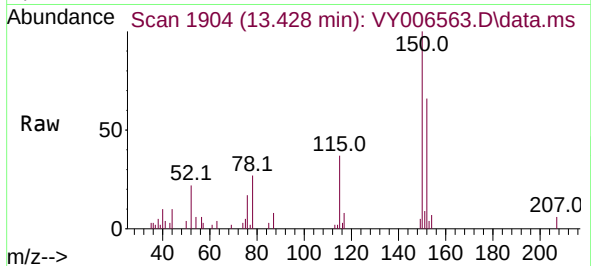
Tgt Ion: 117	Resp:	6598
Ion Ratio	Lower	Upper
117	100	
82	61.1	45.7 68.5
119	32.3	25.5 38.3



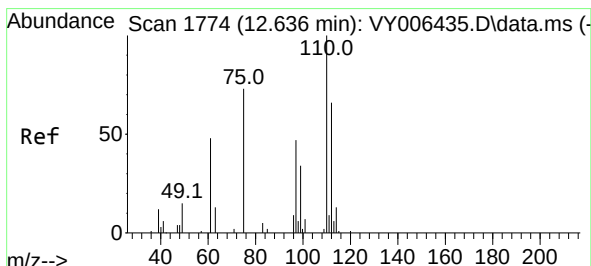
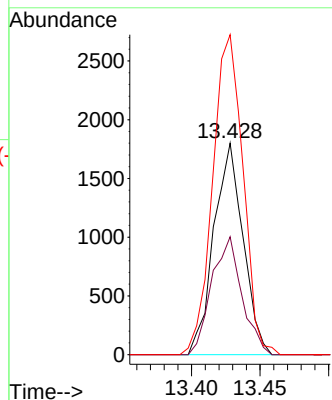
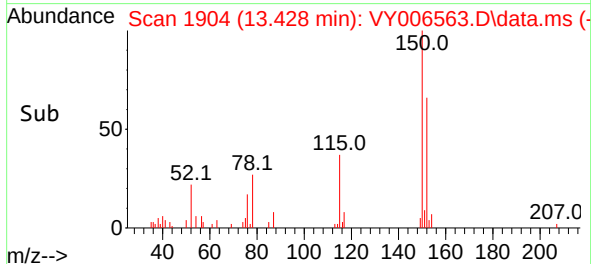


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY006563.D
 Acq: 01 Nov 2021 19:39

Instrument :
 MSVOA_Y
 ClientSampleId :

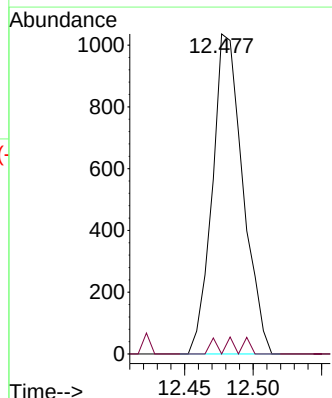
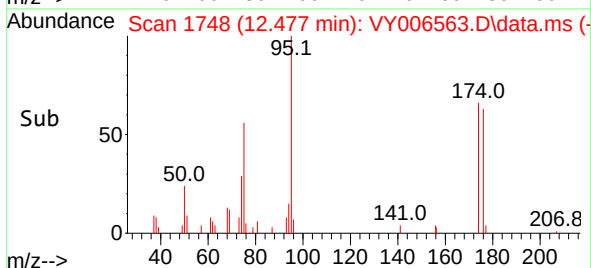
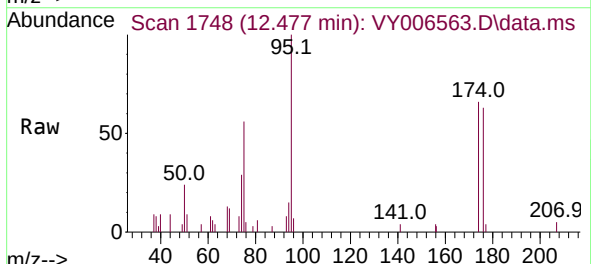


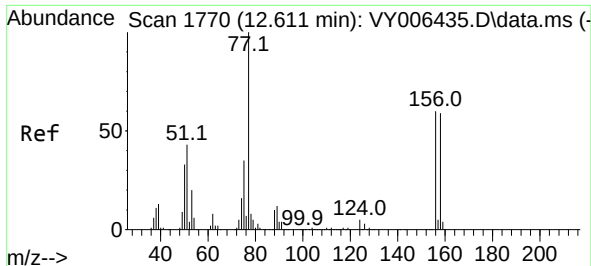
Tgt Ion:152 Resp: 2670
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.5 85.5
 150 157.0 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 58.371 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY006563.D
 Acq: 01 Nov 2021 19:39

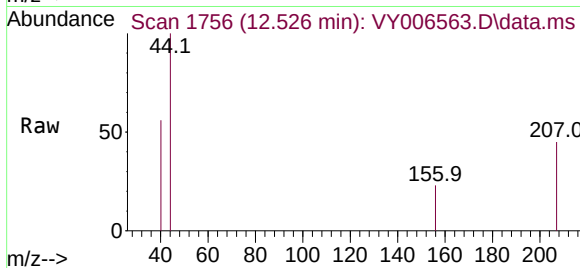
Tgt Ion: 75 Resp: 1606
 Ion Ratio Lower Upper
 75 100
 77 2.5 0.0 0.0#



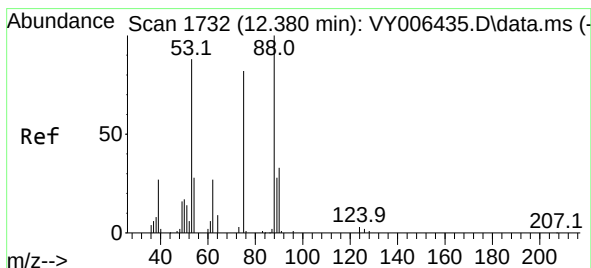
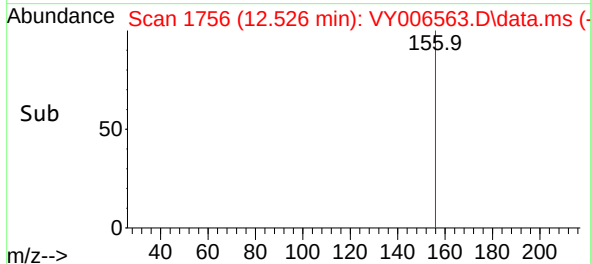
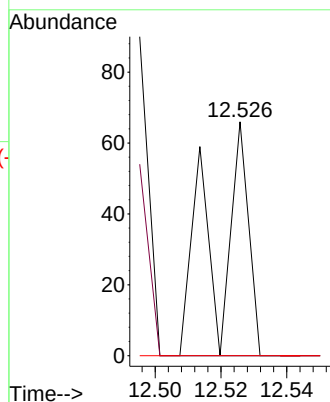


#77
Bromobenzene
Concen: 1.045 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. -0.085 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:156 Resp: 46
Ion Ratio Lower Upper
156 100
77 0.0 94.2 282.4#
158 0.0 48.6 145.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.833 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY006563.D
Acq: 01 Nov 2021 19:39

Tgt Ion: 75 Resp: 1606
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#

