

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
 Data File : VY007268.D
 Acq On : 24 Jan 2022 15:01
 Operator : SY/MD
 Sample : N1237-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 00:33:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

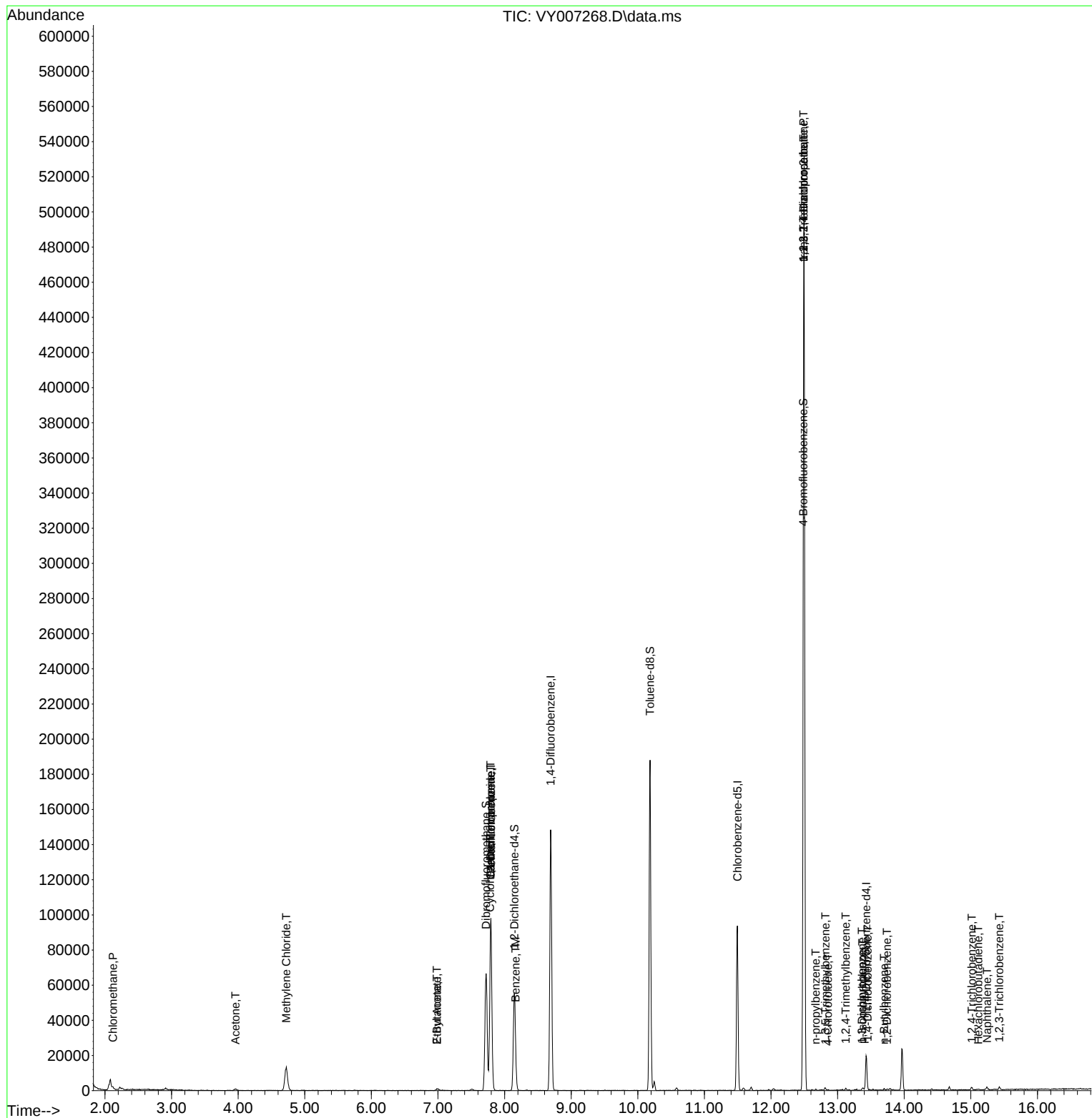
Internal Standards						
1) Pentafluorobenzene	7.795	168	70727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	124301	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	49222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	41366	47.666	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.340%
35) Dibromofluoromethane	7.722	113	48637	57.866	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.740%
50) Toluene-d8	10.185	98	121625	39.602	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.200%
62) 4-Bromofluorobenzene	12.483	95	9616	8.802	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	17.600%#
Target Compounds						Qvalue
3) Chloromethane	2.119	50	879	1.690	ug/l	95
11) Tert butyl alcohol	4.966	59	190	Below Cal	#	73
16) Acetone	3.960	43	1680	7.459	ug/l	93
20) Methylene Chloride	4.722	84	9813	10.537	ug/l	95
25) 2-Butanone	6.984	43	755	2.593	ug/l #	47
31) Cyclohexane	7.783	56	1724	1.175	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	5829	4.342	ug/l #	50
37) Ethyl Acetate	6.984	43	755	1.096	ug/l #	67
38) Carbon Tetrachloride	7.789	117	7838	5.551	ug/l #	16
40) Benzene	8.167	78	6227	1.739	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.489	83	246	3.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.489	75	9937	182.124	ug/l #	100
78) n-propylbenzene	12.672	91	514	1.003	ug/l	95
80) 1,3,5-Trimethylbenzene	12.818	105	378	1.114	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.489	75	9937	333.420	ug/l #	3
82) 4-Chlorotoluene	12.855	91	342	1.151	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.123	105	827	2.459	ug/l	100
86) p-Isopropyltoluene	13.373	119	393	1.090	ug/l #	77
87) 1,3-Dichlorobenzene	13.367	146	335	1.903	ug/l	74
88) 1,4-Dichlorobenzene	13.452	146	365	2.062	ug/l	90
89) n-Butylbenzene	13.696	91	621	1.750	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	287	1.833	ug/l	84
93) 1,2,4-Trichlorobenzene	15.013	180	578	6.069	ug/l	93
94) Hexachlorobutadiene	15.110	225	139	2.832	ug/l #	59
95) Naphthalene	15.245	128	1452	7.178	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	482	5.932	ug/l	80

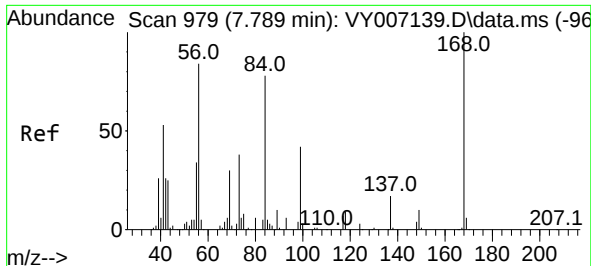
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012422\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 14 05:48:29 2022
Response via : Initial Calibration

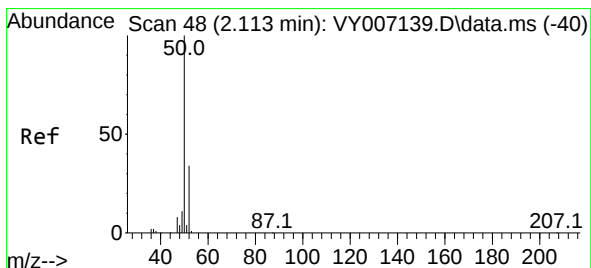
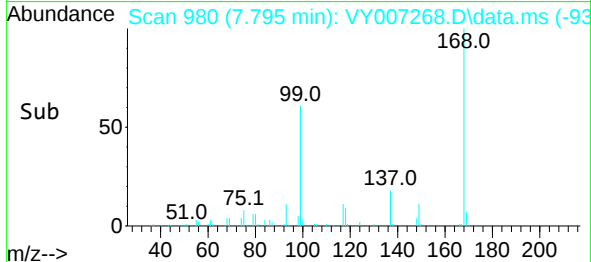
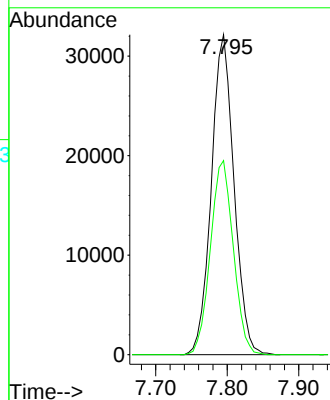
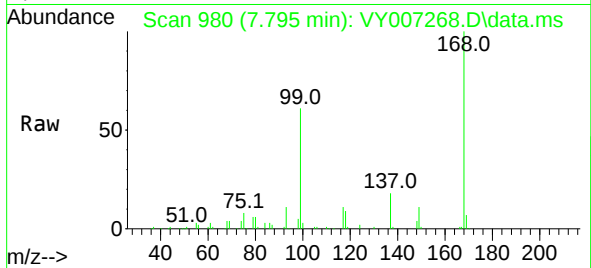




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

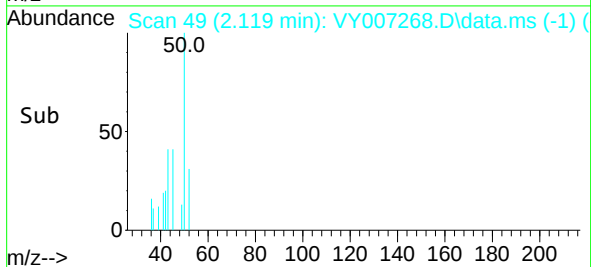
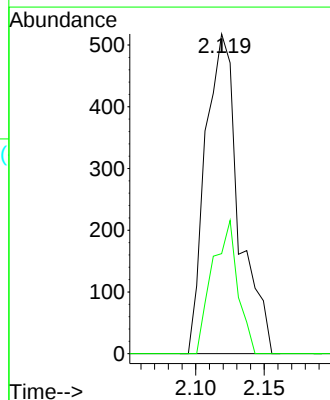
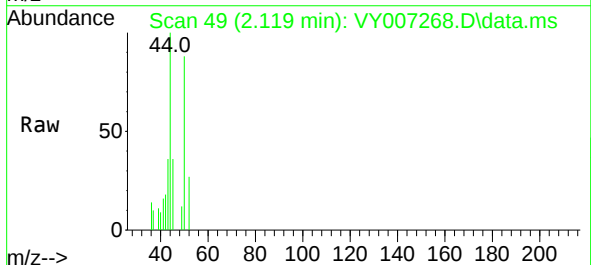
Instrument :
MSVOA_Y
ClientSampleId :

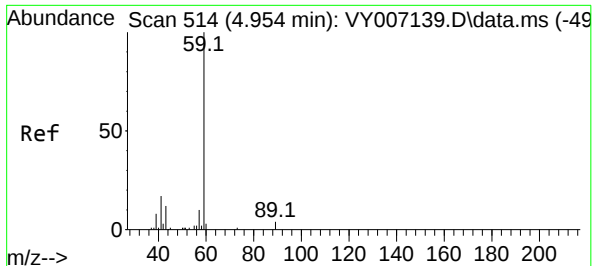
Tgt Ion:168 Resp: 70727
Ion Ratio Lower Upper
168 100
99 60.7 49.1 73.7



#3
Chloromethane
Concen: 1.690 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

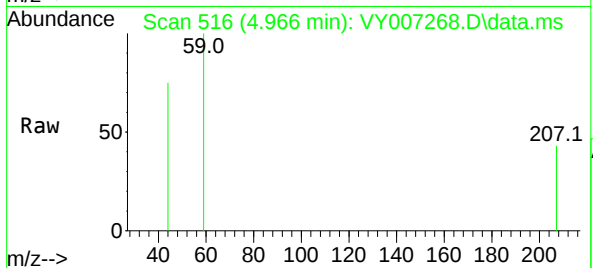
Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 31.3 27.1 40.7



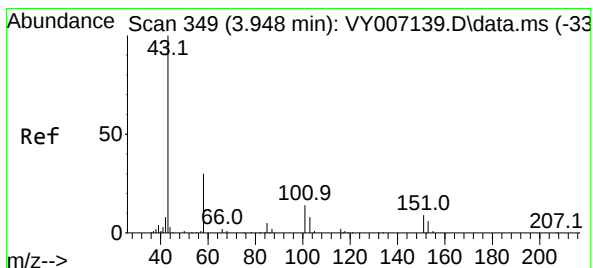
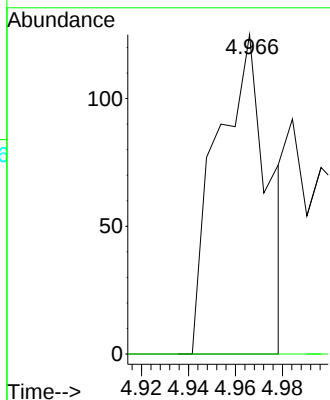
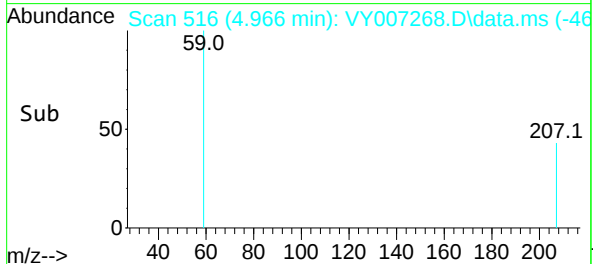


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

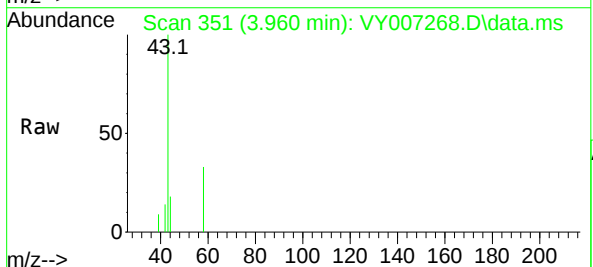
Instrument :
MSVOA_Y
ClientSampleId :



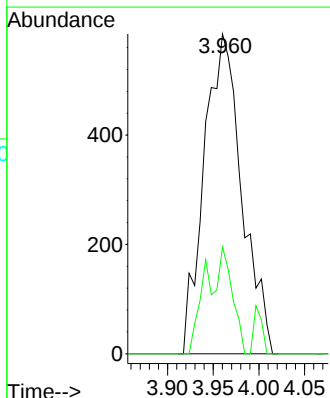
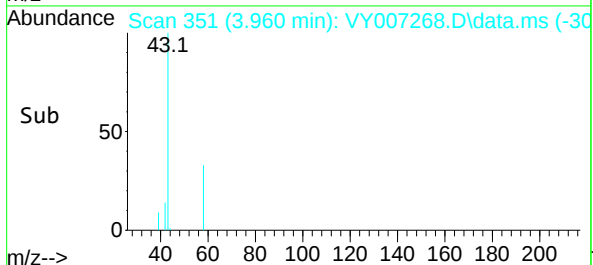
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

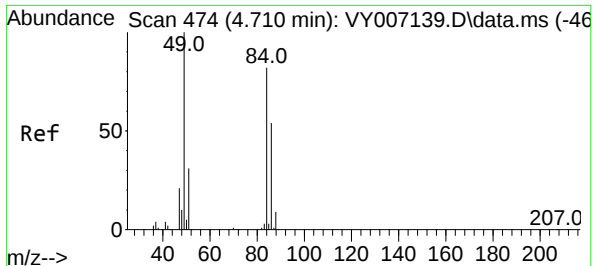


#16
Acetone
Concen: 7.459 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01



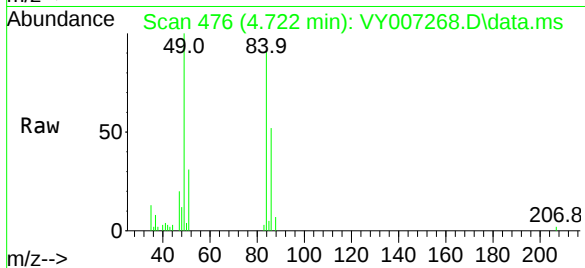
Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
58 33.3 23.8 35.6





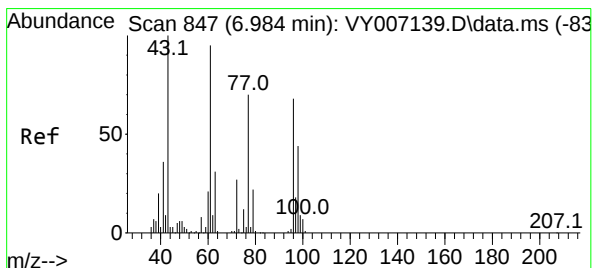
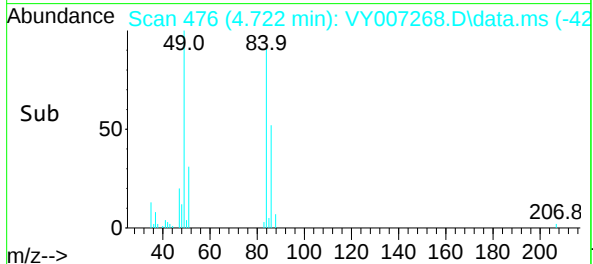
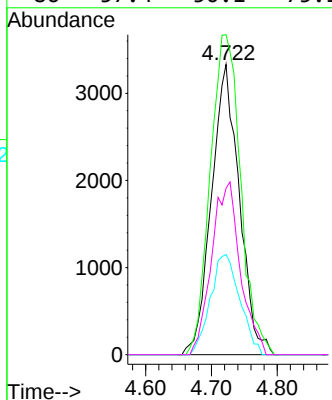
#20
Methylene Chloride
Concen: 10.537 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 9813

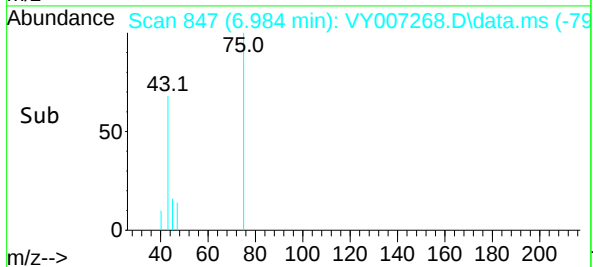
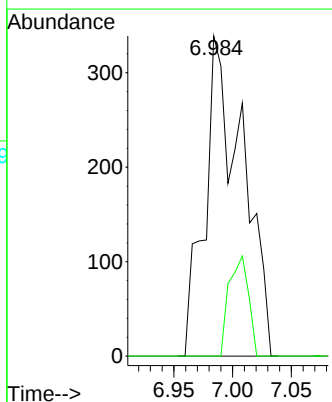
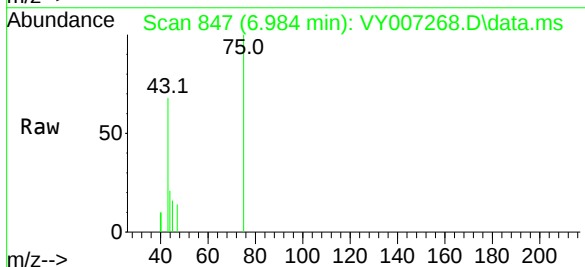
Ion	Ratio	Lower	Upper
84	100		
49	110.3	92.6	139.0
51	34.5	28.6	42.8
86	57.4	50.1	75.1

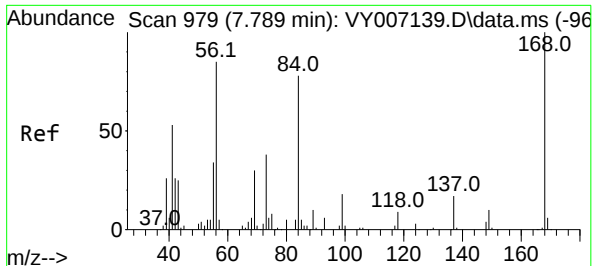


#25
2-Butanone
Concen: 2.593 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Tgt Ion: 43 Resp: 755

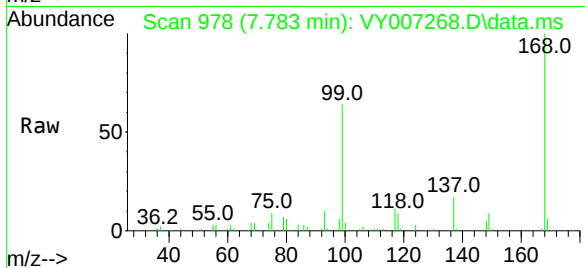
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9



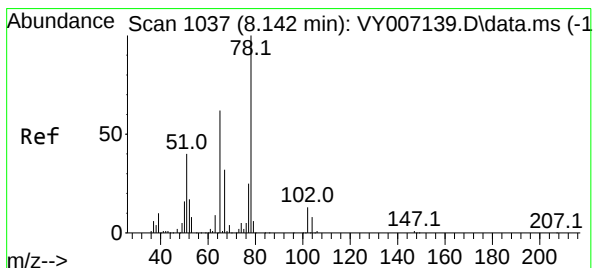
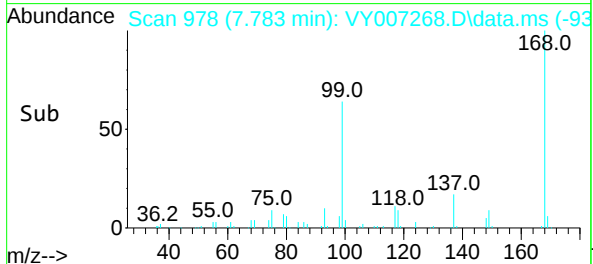
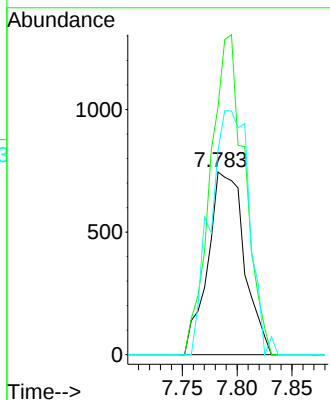


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

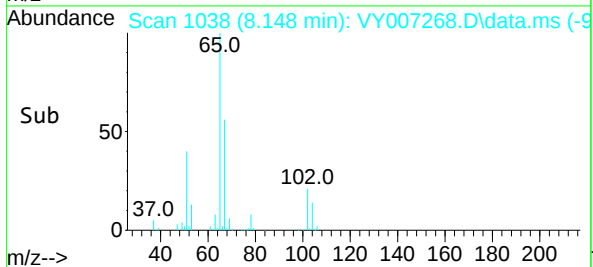
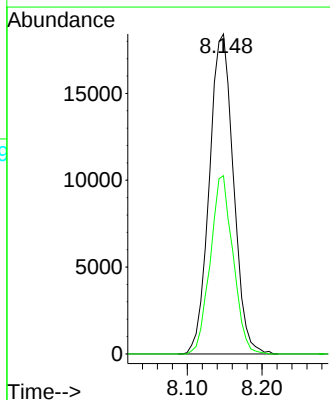
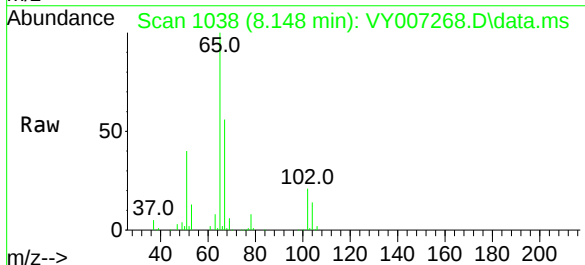


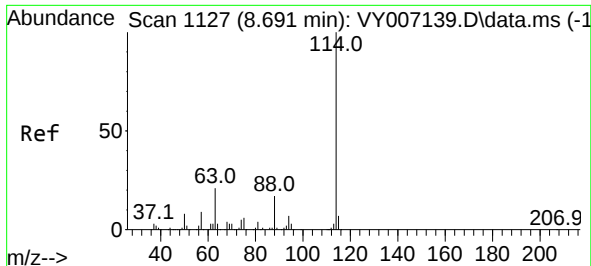
Tgt Ion: 56 Resp: 1724
Ion Ratio Lower Upper
56 100
69 135.7 27.2 40.8#
84 111.9 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 47.666 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

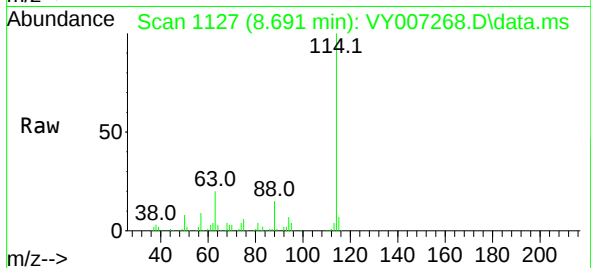
Tgt Ion: 65 Resp: 41366
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6



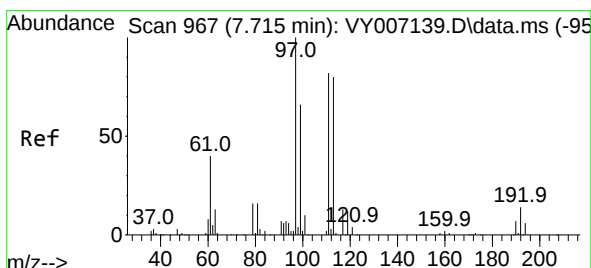
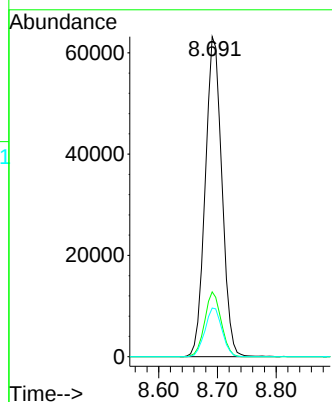
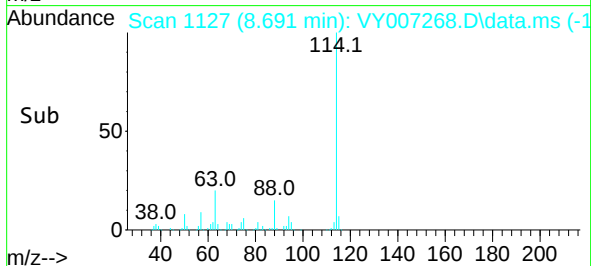


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

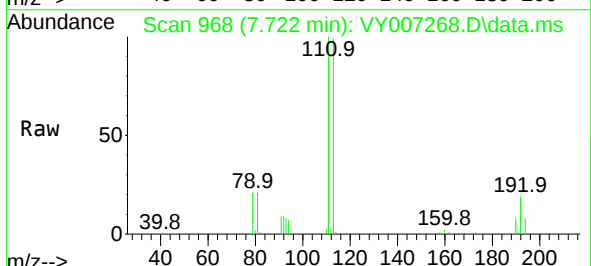
Instrument :
MSVOA_Y
ClientSampleId :



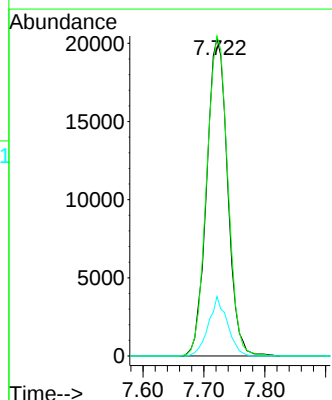
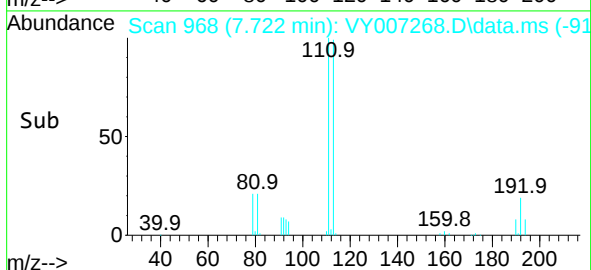
Tgt Ion:114 Resp: 124301
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.2
88 15.2 0.0 31.0

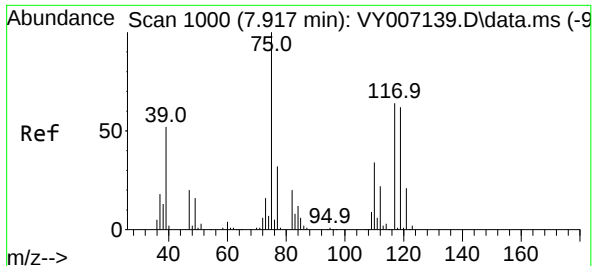


#35
Dibromofluoromethane
Concen: 57.866 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01



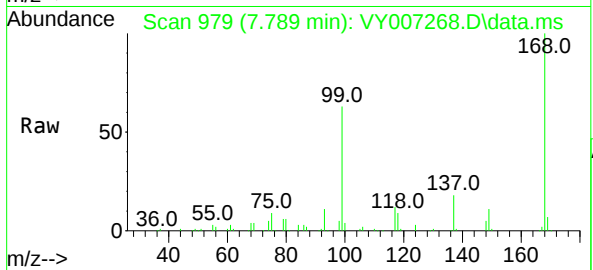
Tgt Ion:113 Resp: 48637
Ion Ratio Lower Upper
113 100
111 101.3 82.2 123.4
192 16.8 14.2 21.4



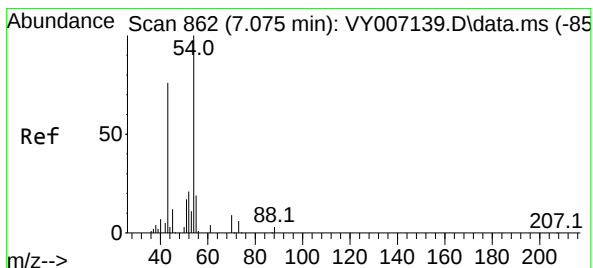
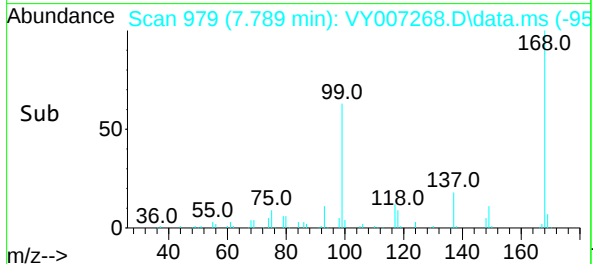
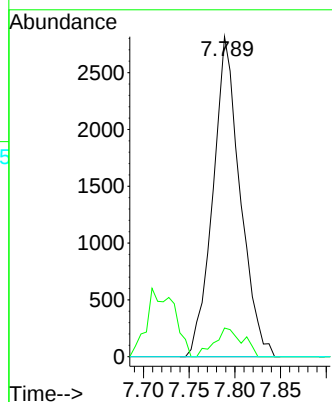


#36
1,1-Dichloropropene
Concen: 4.342 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

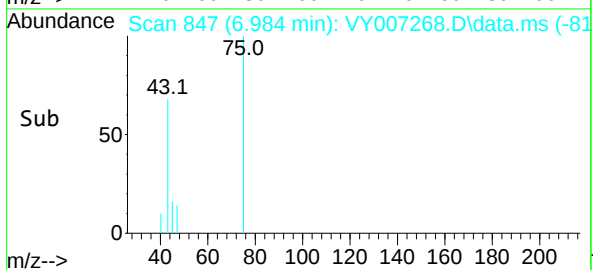
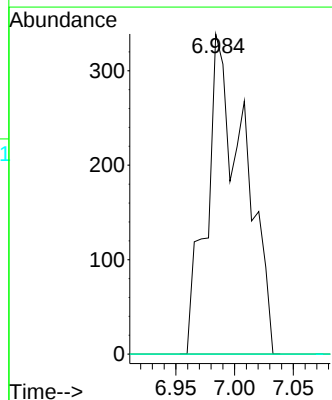
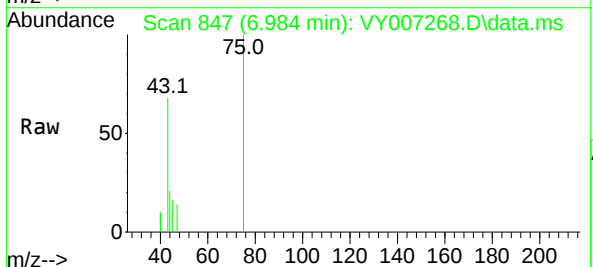


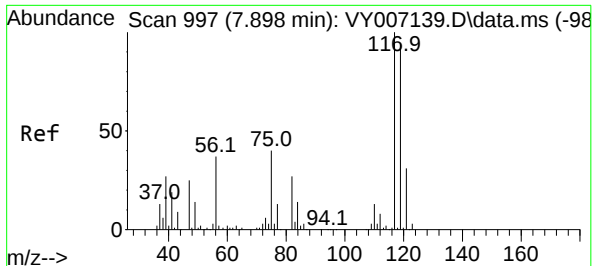
Tgt Ion: 75 Resp: 5829
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.096 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.091 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

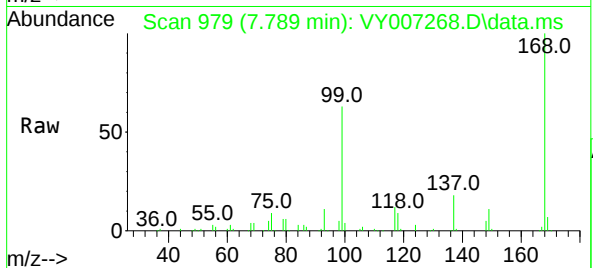
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.0 9.0 13.4#



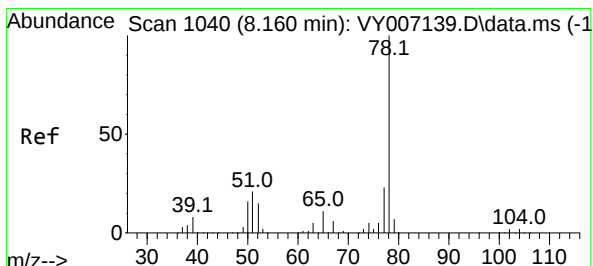
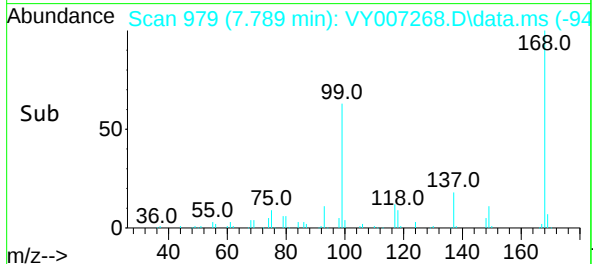
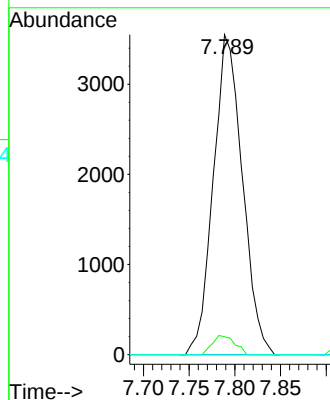


#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

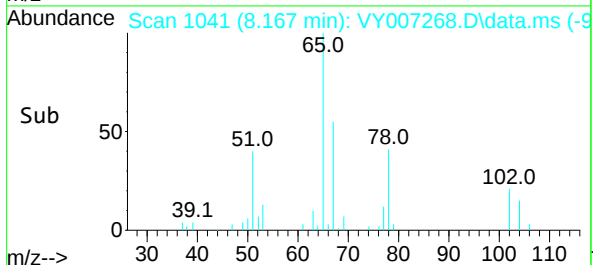
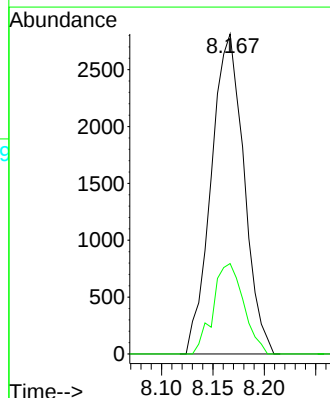
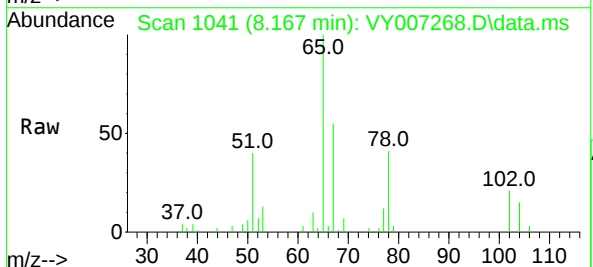


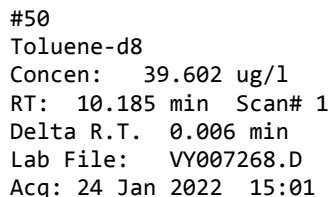
Tgt Ion:117 Resp: 7838
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.2 36.2#



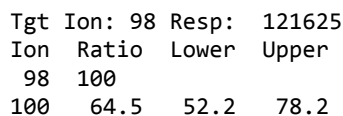
#40
Benzene
Concen: 1.739 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Tgt Ion: 78 Resp: 6227
Ion Ratio Lower Upper
78 100
77 28.3 18.6 27.8#

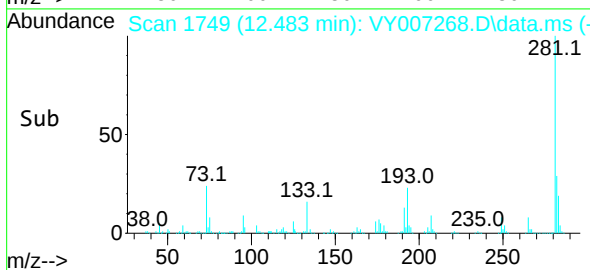


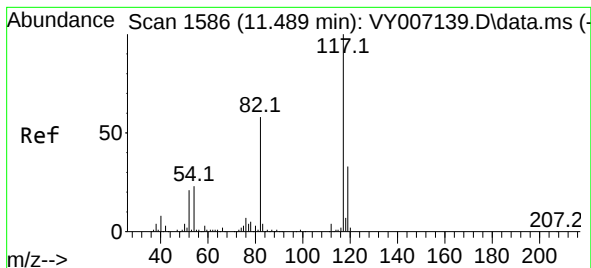


Instrument :
MSVOA_Y
ClientSampleId :



```
#62
4-Bromofluorobenzene
Concen:      8.802 ug/l
RT: 12.483 min Scan# 1749
Delta R.T.   0.000 min
Lab File:    VY007268.D
Acq: 24 Jan 2022 15:01
```





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY007268.D

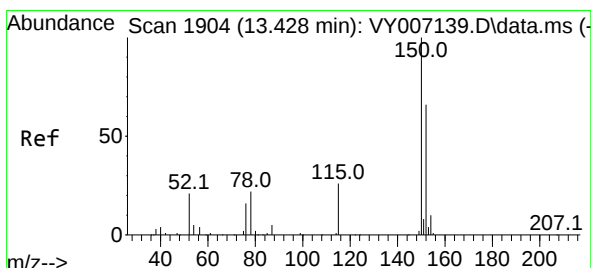
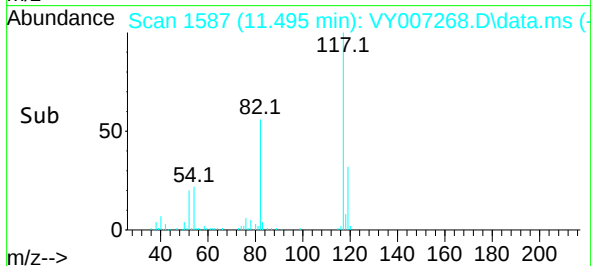
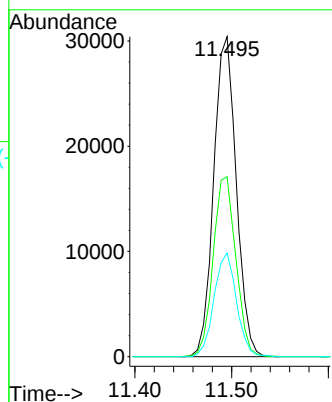
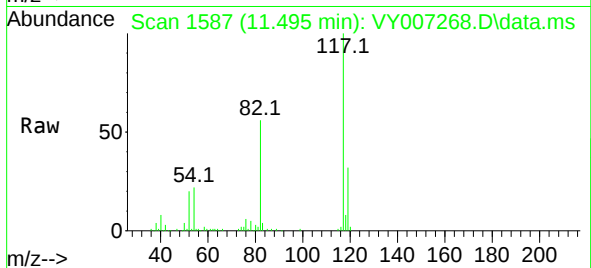
Acq: 24 Jan 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	49222
Ion Ratio	Lower	Upper
117	100	
82	56.2	45.4 68.0
119	32.4	26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

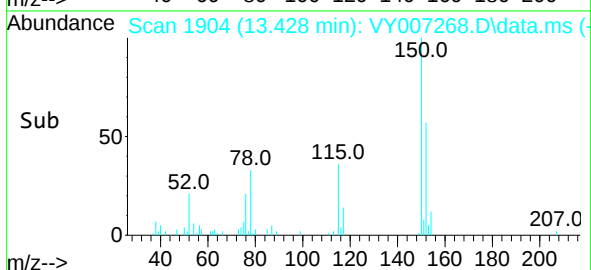
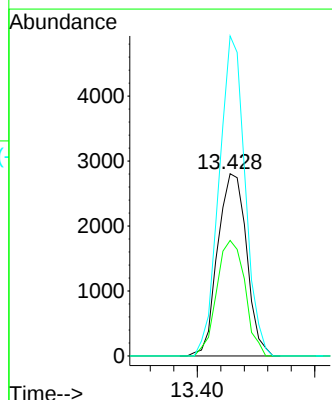
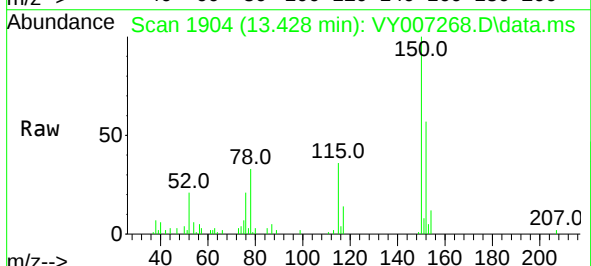
RT: 13.428 min Scan# 1904

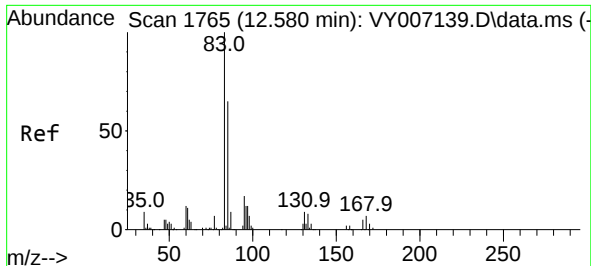
Delta R.T. 0.000 min

Lab File: VY007268.D

Acq: 24 Jan 2022 15:01

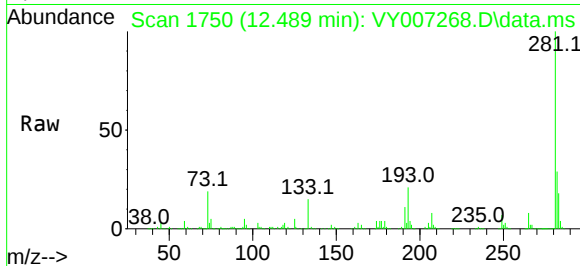
Tgt Ion:152	Resp:	4785
Ion Ratio	Lower	Upper
152	100	
115	62.2	31.4 94.0
150	158.1	0.0 348.4



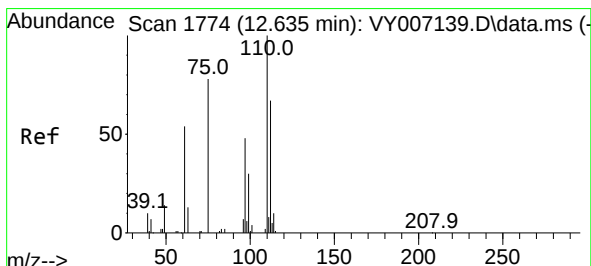
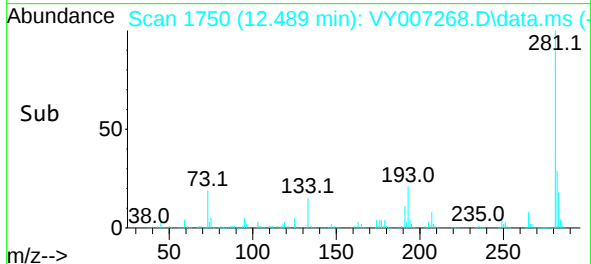
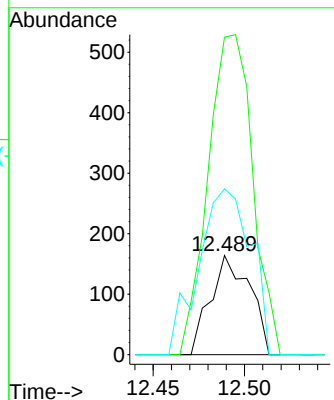


#75
1,1,2,2-Tetrachloroethane
Concen: 3.061 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.091 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

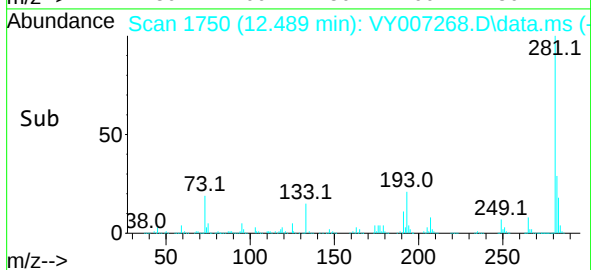
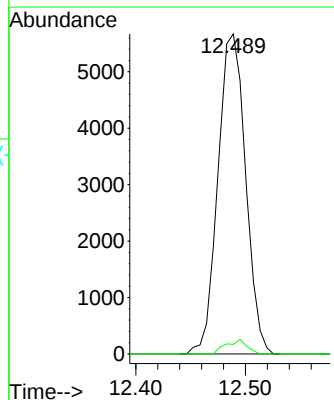
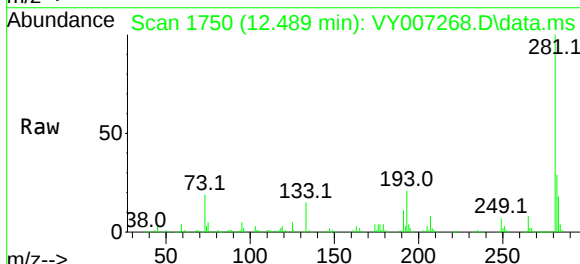


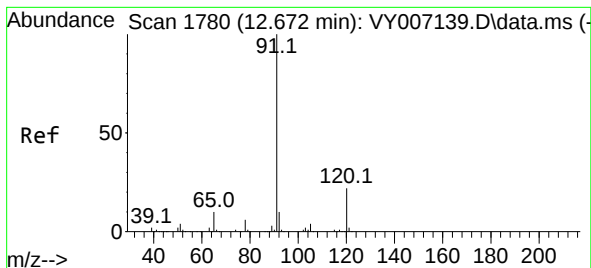
Tgt Ion: 83 Resp: 246
Ion Ratio Lower Upper
83 100
131 365.4 5.3 16.1#
85 222.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 182.124 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Tgt Ion: 75 Resp: 9937
Ion Ratio Lower Upper
75 100
77 3.4 0.0 0.0#





#78

n-propylbenzene

Concen: 1.003 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007268.D

Acq: 24 Jan 2022 15:01

Instrument :

MSVOA_Y

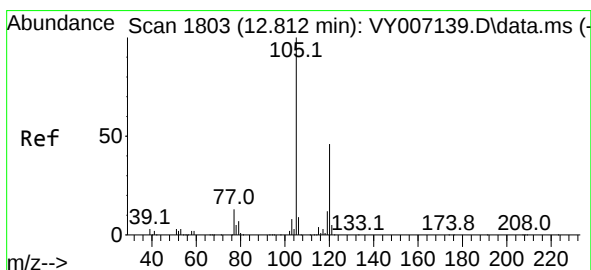
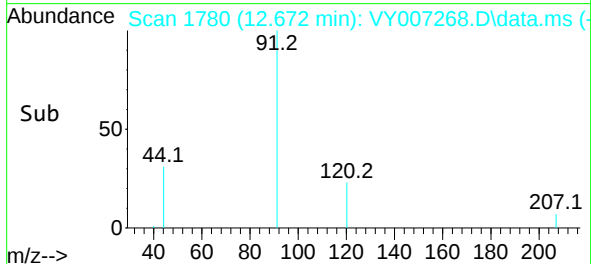
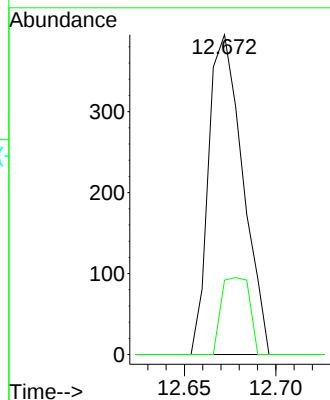
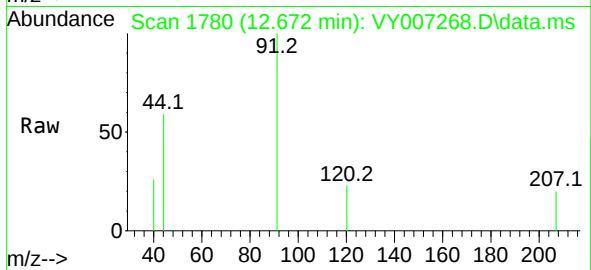
ClientSampleId :

Tgt Ion: 91 Resp: 514

Ion Ratio Lower Upper

91 100

120 19.8 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 1.114 ug/l

RT: 12.818 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY007268.D

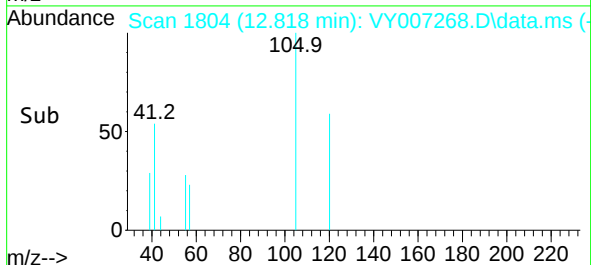
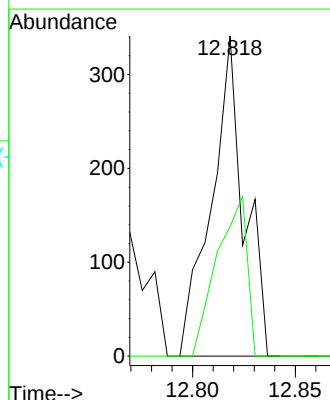
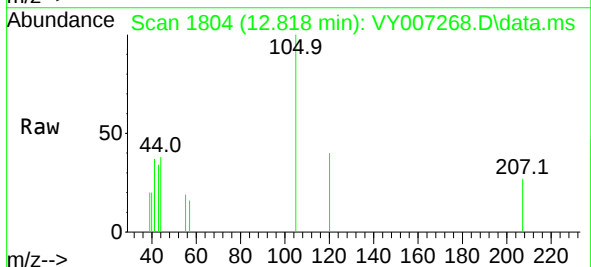
Acq: 24 Jan 2022 15:01

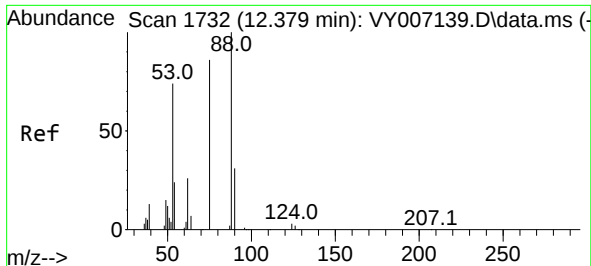
Tgt Ion: 105 Resp: 378

Ion Ratio Lower Upper

105 100

120 45.8 23.7 71.1

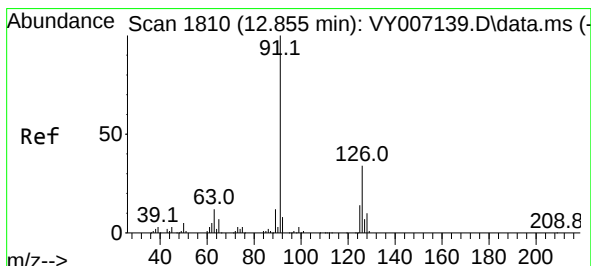
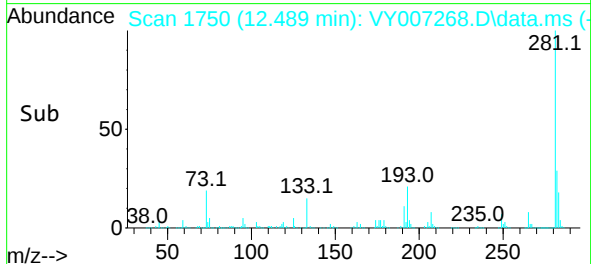
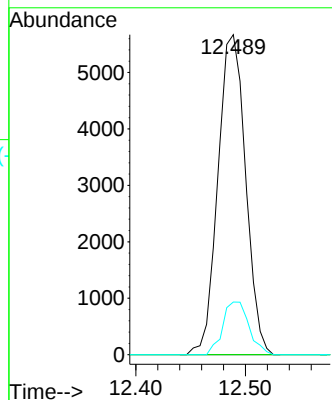
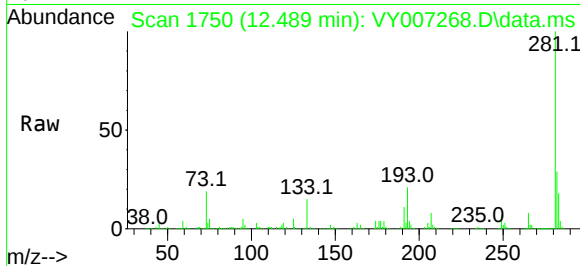




#81
trans-1,4-Dichloro-2-butene
Concen: 333.420 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

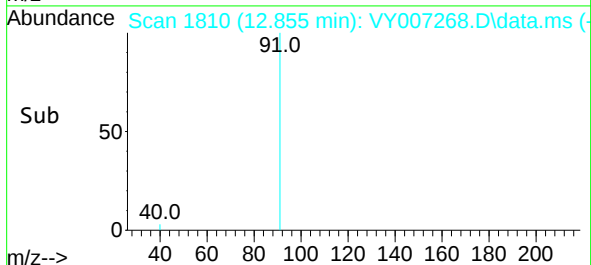
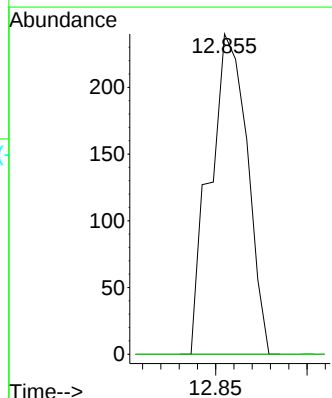
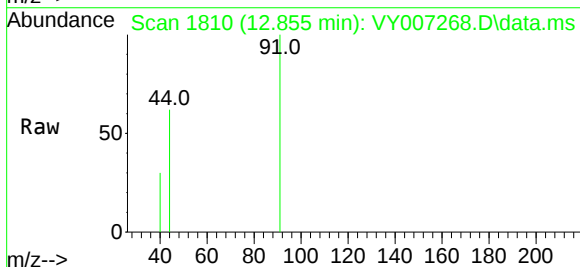
Instrument :
MSVOA_Y
ClientSampleId :

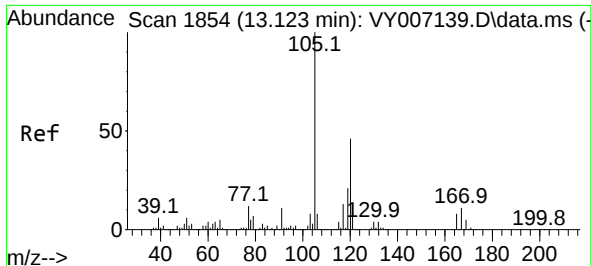
Tgt Ion: 75 Resp: 9937
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 15.7 0.0 0.0#



#82
4-Chlorotoluene
Concen: 1.151 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Tgt Ion: 91 Resp: 342
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.9#

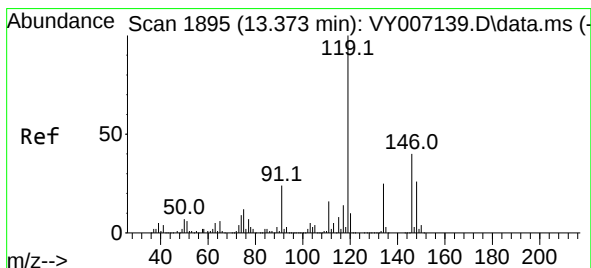
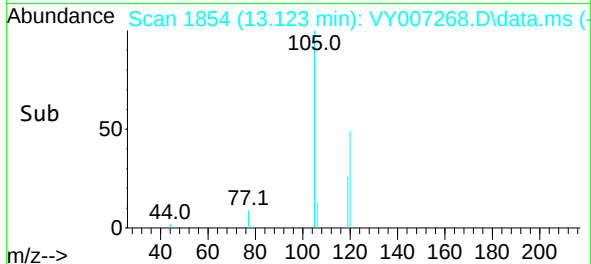
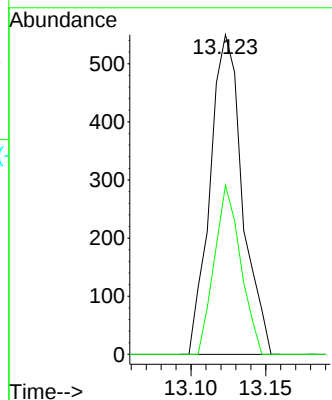
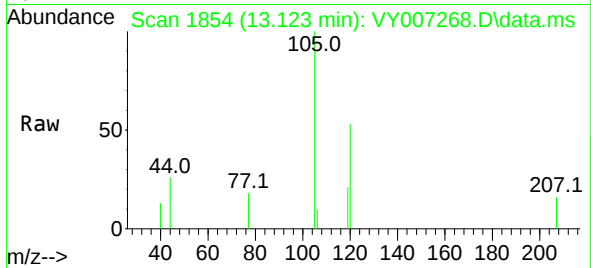




#84
1,2,4-Trimethylbenzene
Concen: 2.459 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

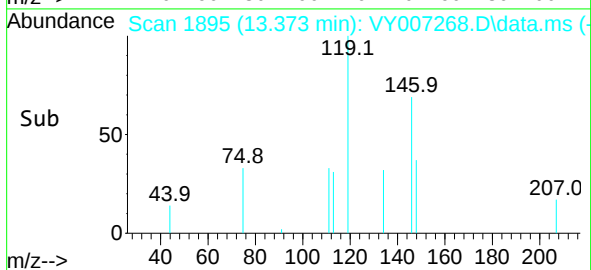
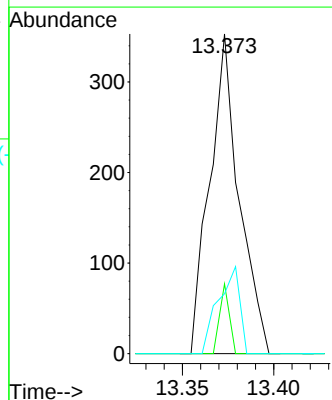
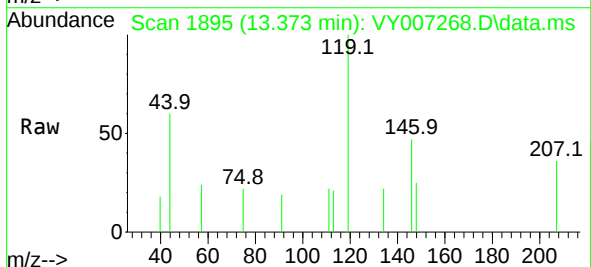
Instrument :
MSVOA_Y
ClientSampleId :

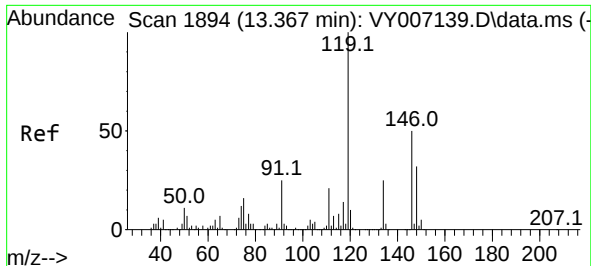
Tgt Ion:105 Resp: 827
Ion Ratio Lower Upper
105 100
120 42.8 21.6 64.6



#86
p-Isopropyltoluene
Concen: 1.090 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

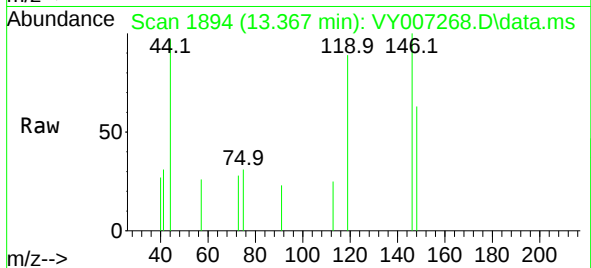
Tgt Ion:119 Resp: 393
Ion Ratio Lower Upper
119 100
134 7.1 12.9 38.7#
91 20.1 12.4 37.2



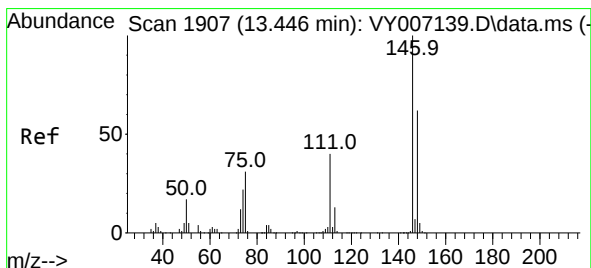
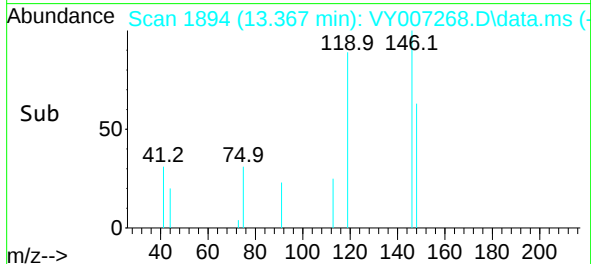
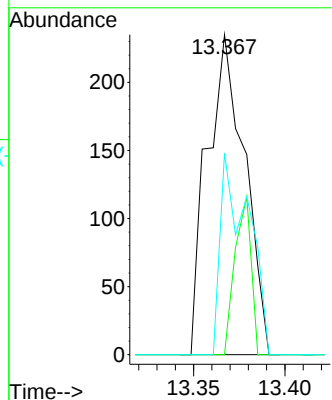


#87
1,3-Dichlorobenzene
Concen: 1.903 ug/l
RT: 13.367 min Scan# 1191
Delta R.T. 0.000 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Instrument :
MSVOA_Y
ClientSampleId :

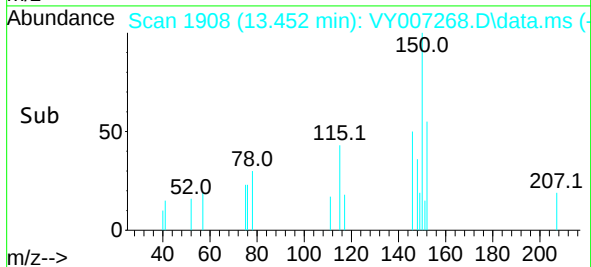
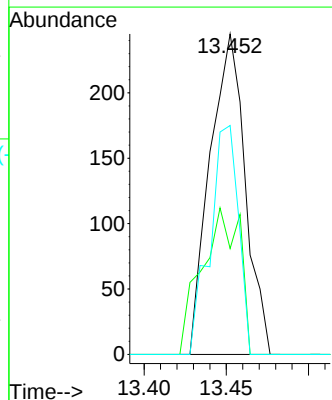
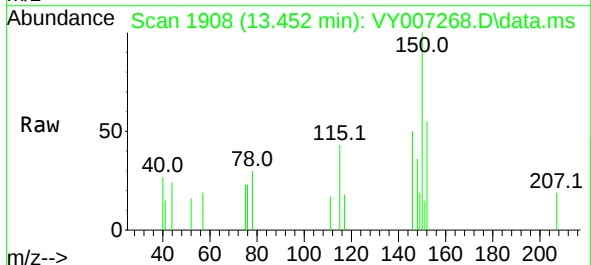


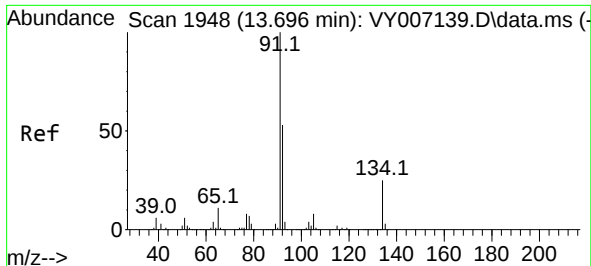
Tgt Ion:146 Resp: 335
Ion Ratio Lower Upper
146 100
111 21.2 21.1 63.1
148 47.2 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 2.062 ug/l
RT: 13.452 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY007268.D
Acq: 24 Jan 2022 15:01

Tgt Ion:146 Resp: 365
Ion Ratio Lower Upper
146 100
111 49.3 20.7 62.1
148 57.5 32.0 96.2





#89

n-Butylbenzene

Concen: 1.750 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY007268.D

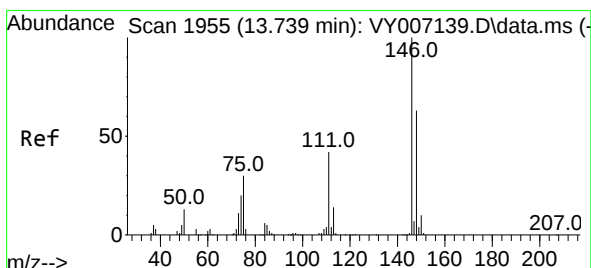
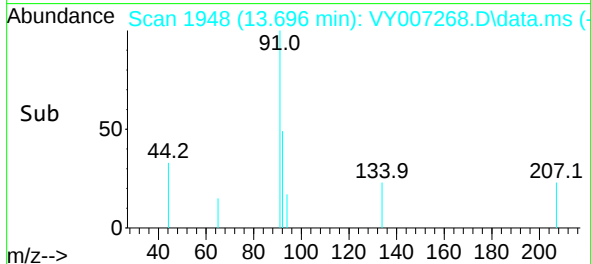
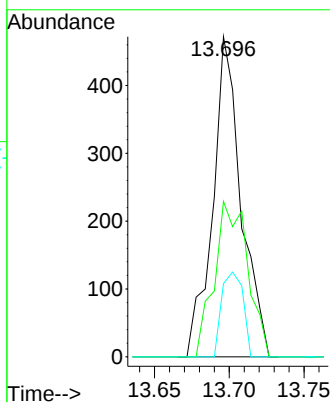
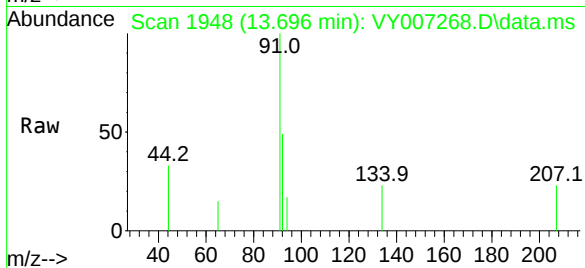
Acq: 24 Jan 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 91	Resp:	621
Ion	Ratio	Lower Upper
91	100	
92	57.0	26.9 80.6
134	20.0	12.6 37.6



#91

1,2-Dichlorobenzene

Concen: 1.833 ug/l

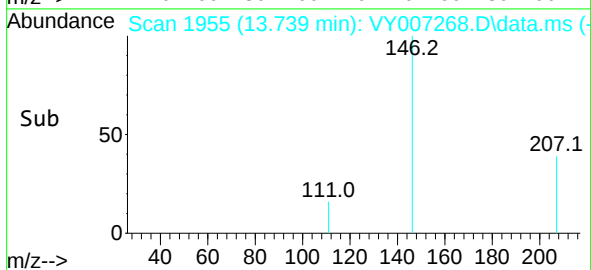
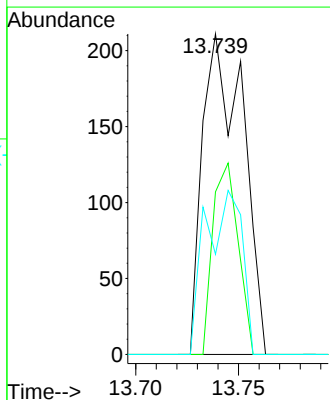
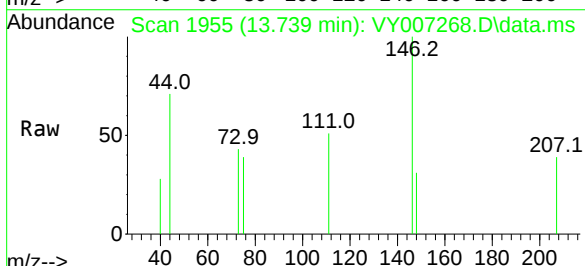
RT: 13.739 min Scan# 1955

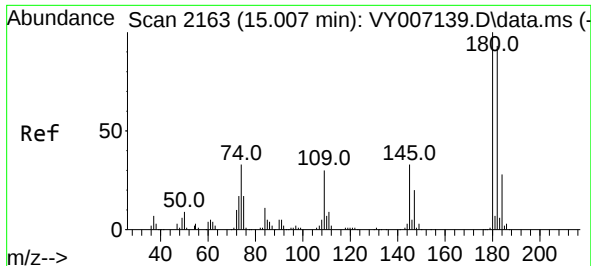
Delta R.T. 0.000 min

Lab File: VY007268.D

Acq: 24 Jan 2022 15:01

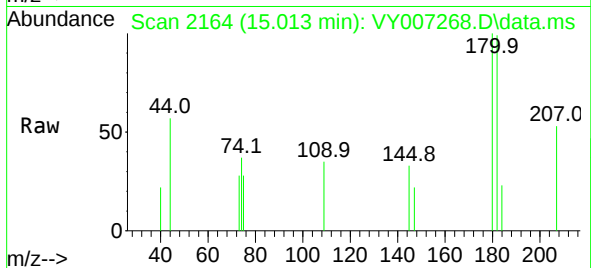
Tgt Ion: 146	Resp:	287
Ion	Ratio	Lower Upper
146	100	
111	37.6	21.4 64.3
148	46.3	31.1 93.5



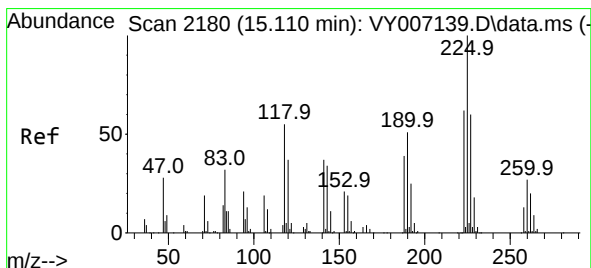
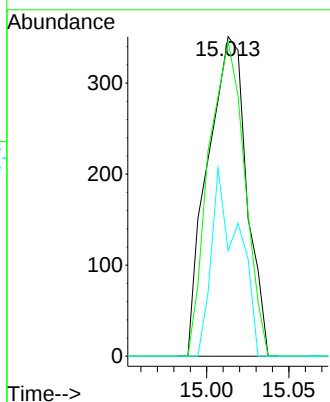
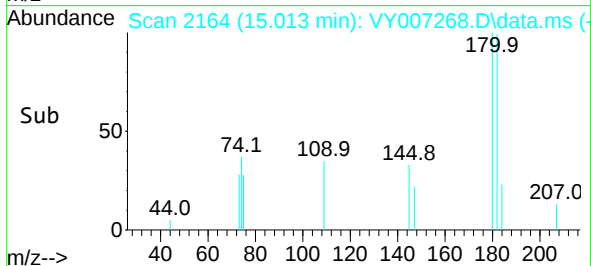


#93
 1,2,4-Trichlorobenzene
 Concen: 6.069 ug/l
 RT: 15.013 min Scan# 2163
 Delta R.T. 0.006 min
 Lab File: VY007268.D
 Acq: 24 Jan 2022 15:01

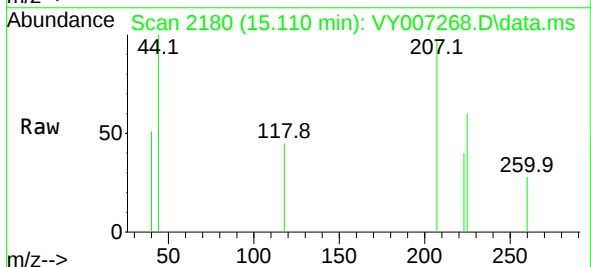
Instrument :
 MSVOA_Y
 ClientSampleId :



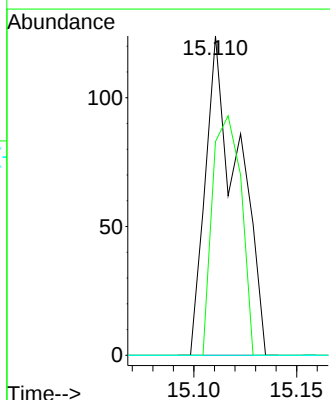
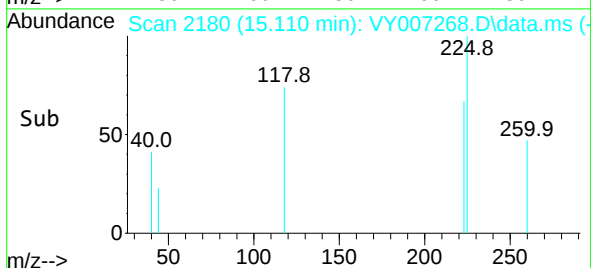
Tgt Ion:180 Resp: 578
 Ion Ratio Lower Upper
 180 100
 182 90.8 47.6 142.8
 145 40.8 16.4 49.1

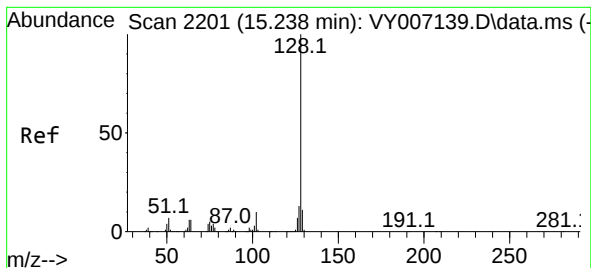


#94
 Hexachlorobutadiene
 Concen: 2.832 ug/l
 RT: 15.110 min Scan# 2180
 Delta R.T. 0.000 min
 Lab File: VY007268.D
 Acq: 24 Jan 2022 15:01



Tgt Ion:225 Resp: 139
 Ion Ratio Lower Upper
 225 100
 223 64.7 32.6 97.8
 227 0.0 32.0 96.2#





#95

Naphthalene

Concen: 7.178 ug/l

RT: 15.245 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY007268.D

Acq: 24 Jan 2022 15:01

Instrument :

MSVOA_Y

ClientSampleId :

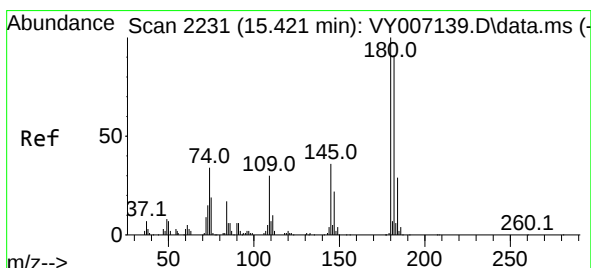
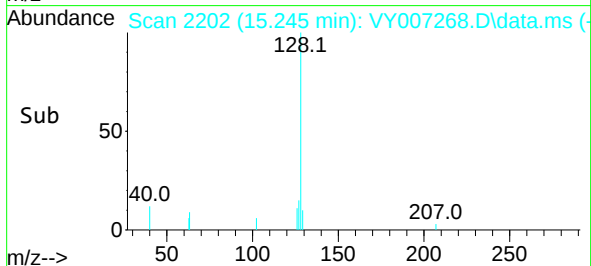
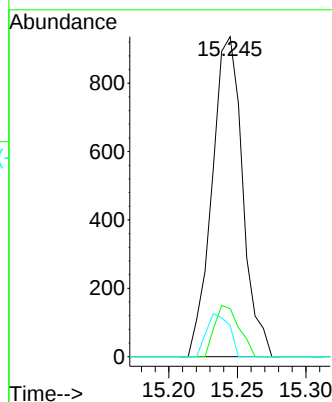
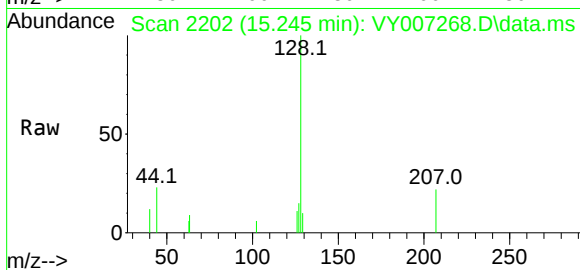
Tgt Ion:128 Resp: 1452

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 5.932 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY007268.D

Acq: 24 Jan 2022 15:01

Tgt Ion:180 Resp: 482

Ion Ratio Lower Upper

180 100

182 111.8 47.3 141.8

145 48.3 17.2 51.5

