

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006518.D
 Acq On : 28 Oct 2021 16:10
 Operator : SY/MD
 Sample : M4375-09
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 07:05:07 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)

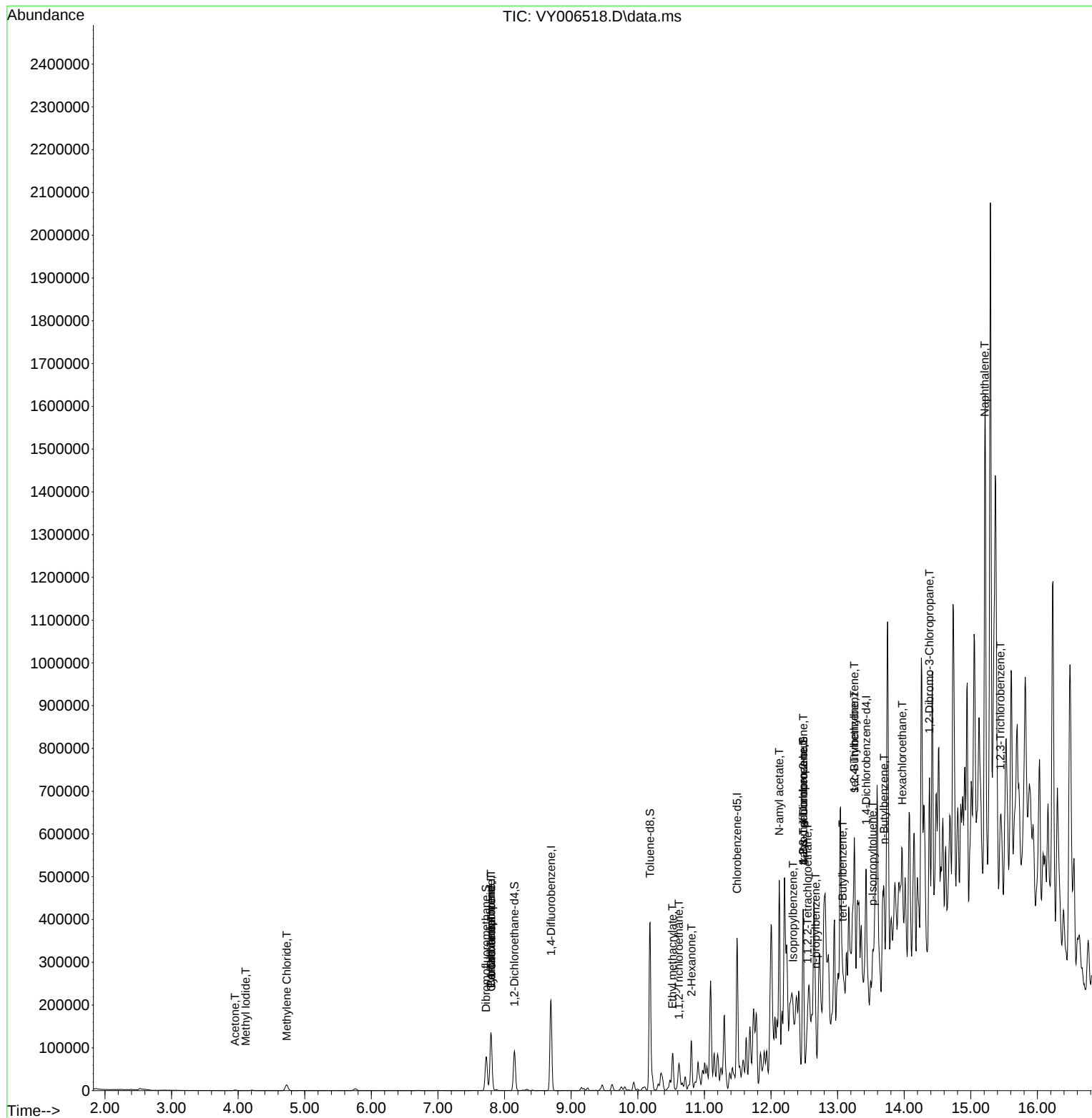
Internal Standards						
1) Pentafluorobenzene	7.795	168	103463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	173251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	168779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	78923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	77037	60.508	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.020%			
35) Dibromofluoromethane	7.722	113	52925	54.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.620%			
50) Toluene-d8	10.185	98	227637	55.609	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.220%			
62) 4-Bromofluorobenzene	12.483	95	83641	60.656	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 121.320%			
Target Compounds						Qvalue
10) Methyl Iodide	4.113	142	119	5.165	ug/l #	36
16) Acetone	3.954	43	2905	7.924	ug/l	100
20) Methylene Chloride	4.729	84	9448	4.648	ug/l	96
31) Cyclohexane	7.801	56	2404	1.166	ug/l #	32
36) 1,1-Dichloropropene	7.795	75	8228	4.806	ug/l #	50
38) Carbon Tetrachloride	7.795	117	10148	5.374	ug/l #	15
55) 1,1,2-Trichloroethane	10.618	97	19525	21.273	ug/l #	21
56) Ethyl methacrylate	10.520	69	7821	5.516	ug/l #	1
59) 2-Hexanone	10.807	43	46454	58.259	ug/l #	32
73) Isopropylbenzene	12.331	105	22051	3.994	ug/l	97
74) N-amyl acetate	12.124	43	98607	53.842	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.550	83	12868	13.463	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	42920	52.774	ug/l #	100
78) n-propylbenzene	12.672	91	48109	7.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	42920	108.343	ug/l #	13
83) tert-Butylbenzene	13.075	119	7991	2.012	ug/l	72
84) 1,2,4-Trimethylbenzene	13.251	105	150551	32.571	ug/l #	31
85) sec-Butylbenzene	13.251	105	150551	25.240	ug/l	79
86) p-Isopropyltoluene	13.526	119	38482	7.562	ug/l #	84
89) n-Butylbenzene	13.697	91	85418	17.844	ug/l #	75
90) Hexachloroethane	13.971	117	4411	4.800	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1724	8.496	ug/l #	9
95) Naphthalene	15.208	128	18242	6.165	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.446	180	3874	2.927	ug/l #	12

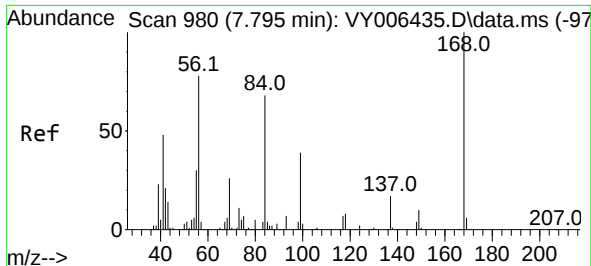
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 23 06:59:04 2021
Response via : Initial Calibration

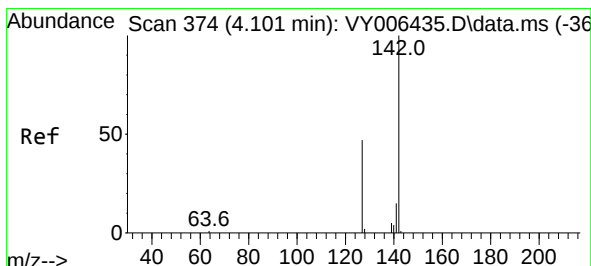
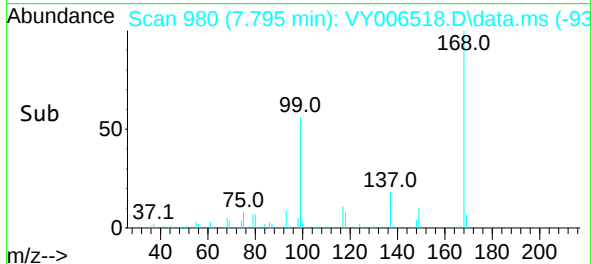
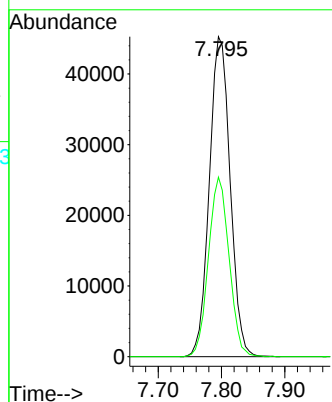
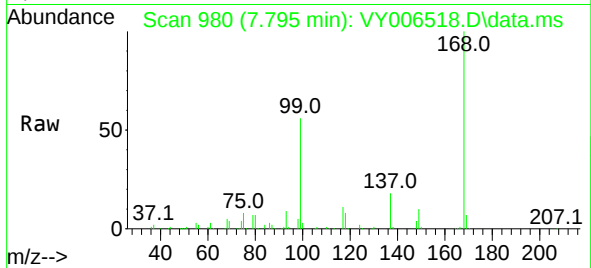




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

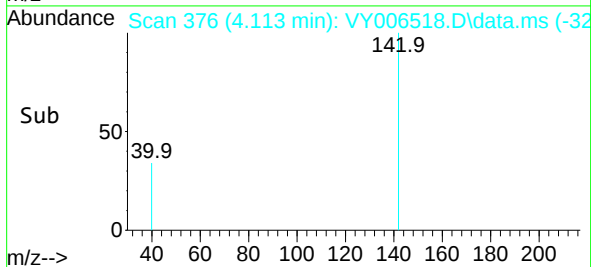
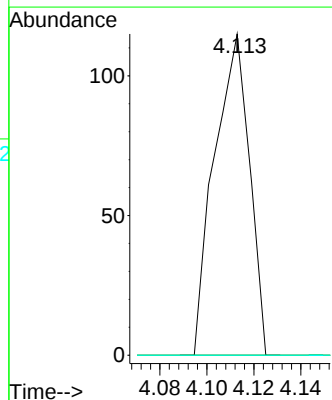
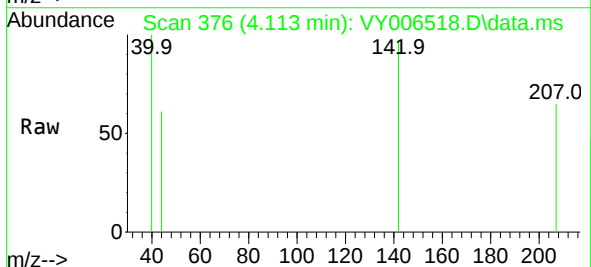
Instrument :
MSVOA_Y
ClientSampleId :

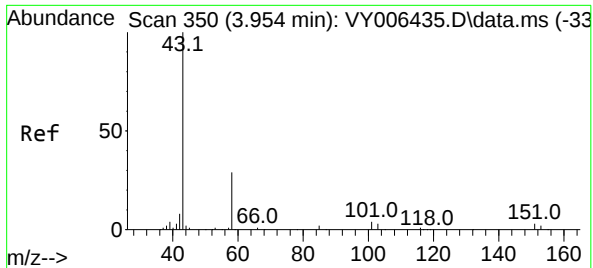
Tgt Ion:168 Resp: 103463
Ion Ratio Lower Upper
168 100
99 56.1 44.8 67.2



#10
Methyl Iodide
Concen: 5.165 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.012 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion:142 Resp: 119
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#

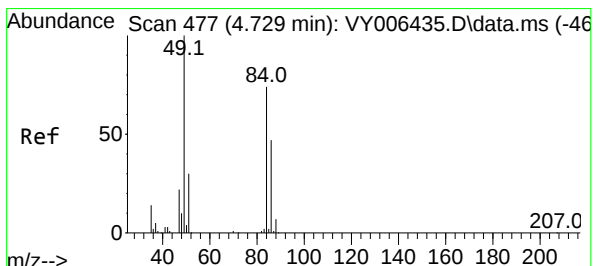
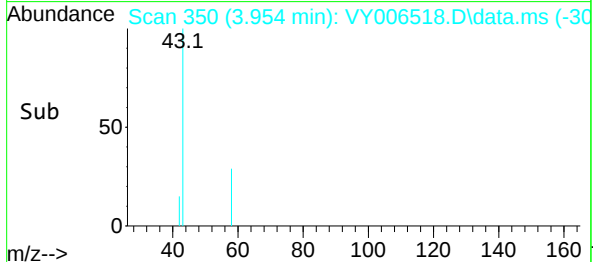
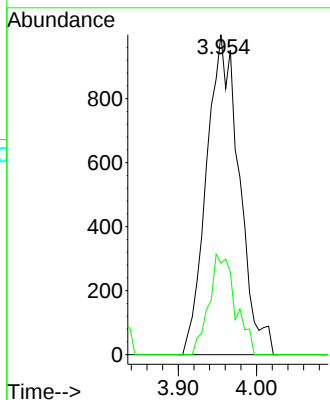
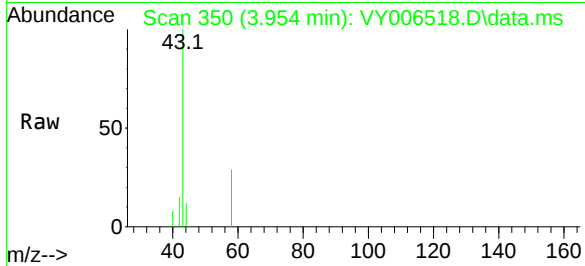




#16
Acetone
Concen: 7.924 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

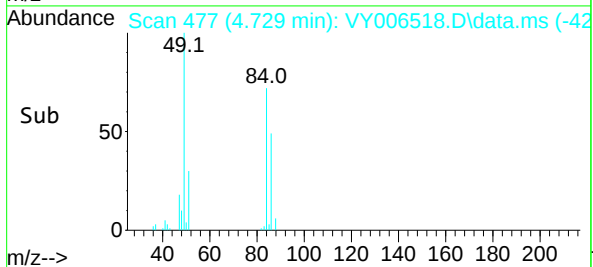
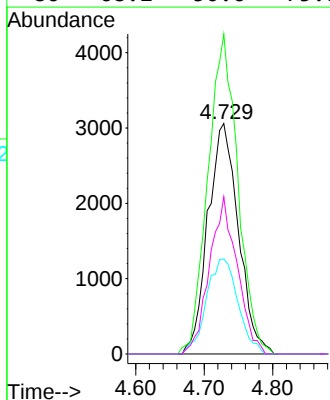
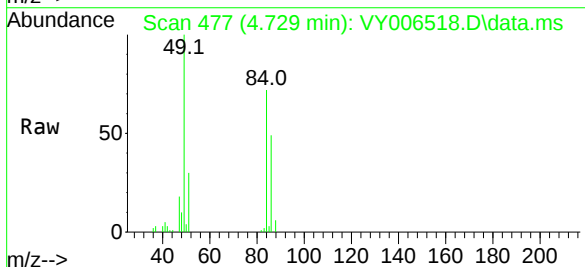
Instrument :
MSVOA_Y
ClientSampled :

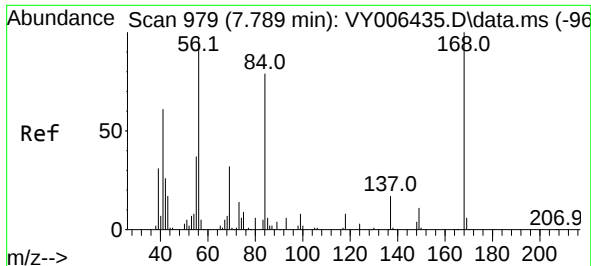
Tgt Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
58 28.6 22.9 34.3



#20
Methylene Chloride
Concen: 4.648 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

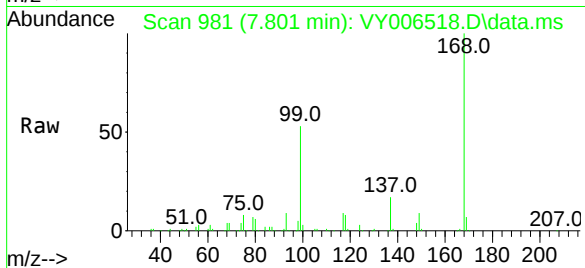
Tgt Ion: 84 Resp: 9448
Ion Ratio Lower Upper
84 100
49 138.9 107.8 161.8
51 41.3 32.8 49.2
86 68.2 50.6 75.8



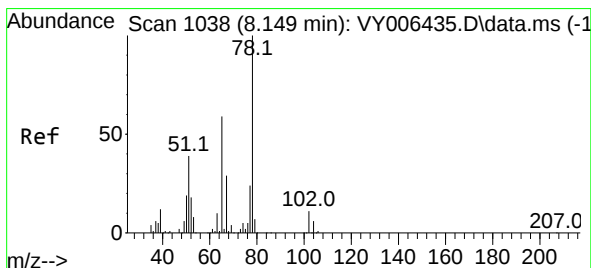
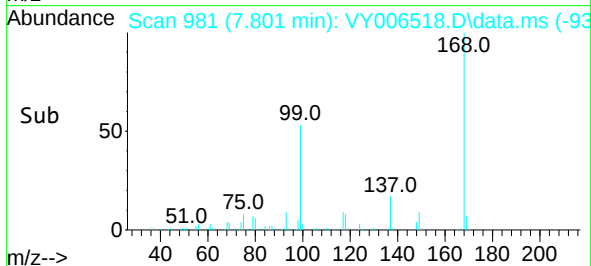
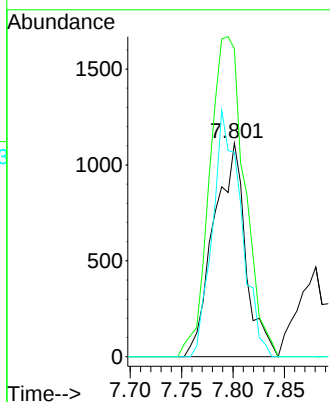


#31
Cyclohexane
Concen: 1.166 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Instrument :
MSVOA_Y
ClientSampled :

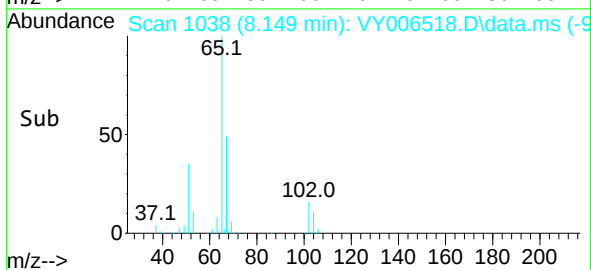
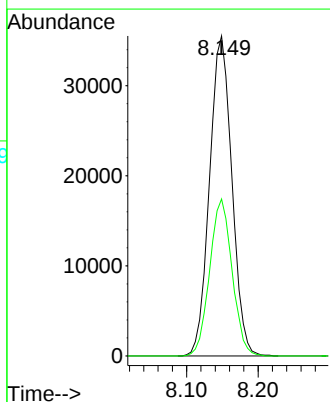
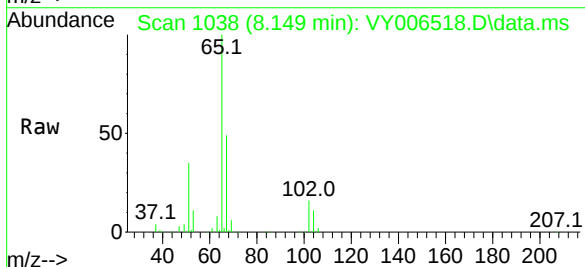


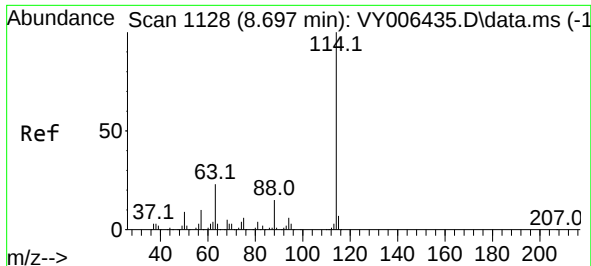
Tgt Ion: 56 Resp: 2404
Ion Ratio Lower Upper
56 100
69 144.2 26.6 40.0#
84 95.7 65.0 97.4



#33
1,2-Dichloroethane-d4
Concen: 60.508 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 65 Resp: 77037
Ion Ratio Lower Upper
65 100
67 49.1 0.0 98.2

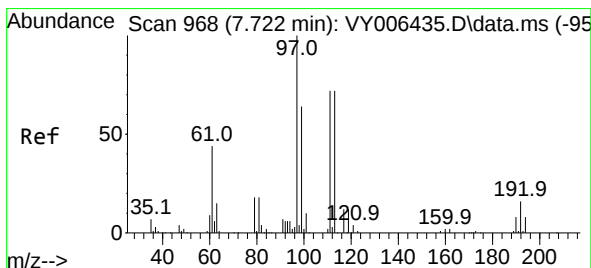
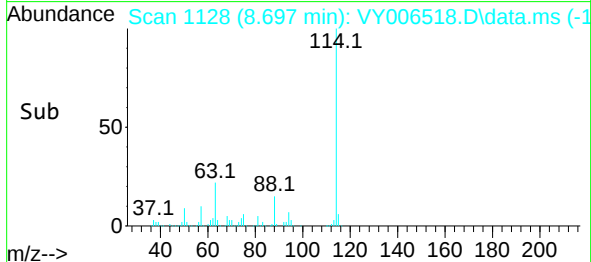
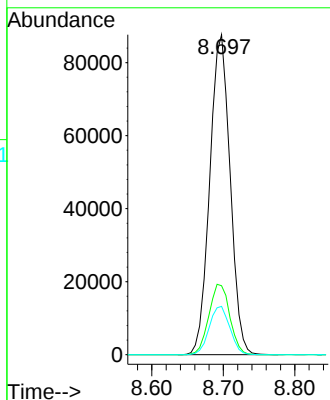
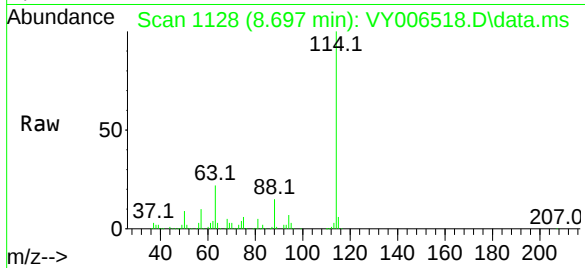




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

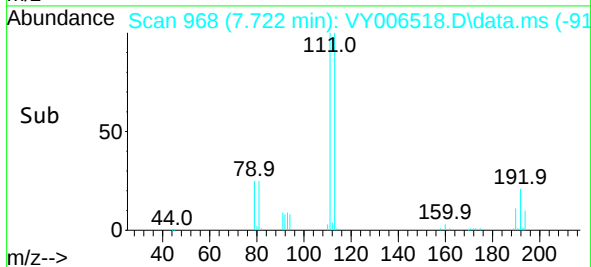
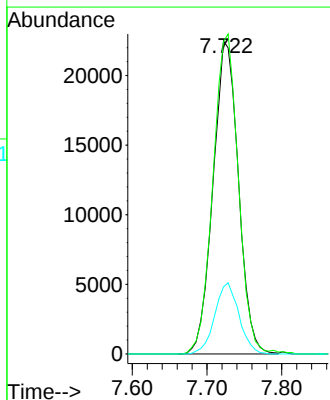
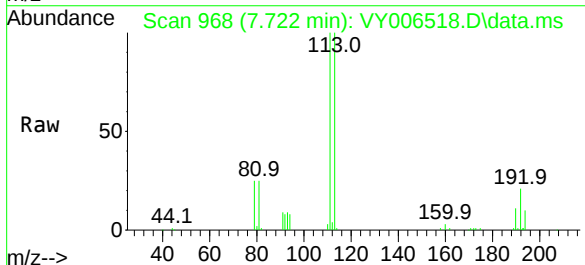
Instrument :
MSVOA_Y
ClientSampleId :

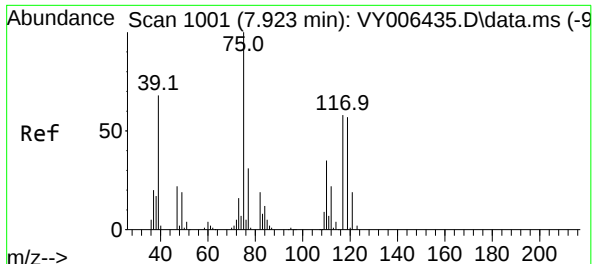
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	45.0
88	15.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 54.808 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	21.7	17.4	26.2





#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 7.795 min Scan# 980

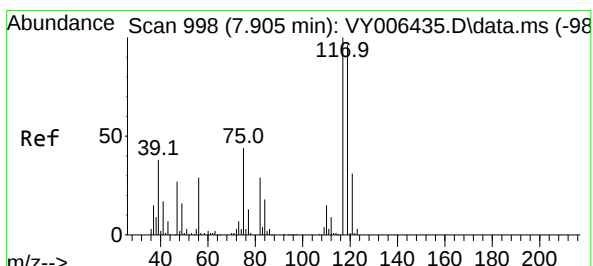
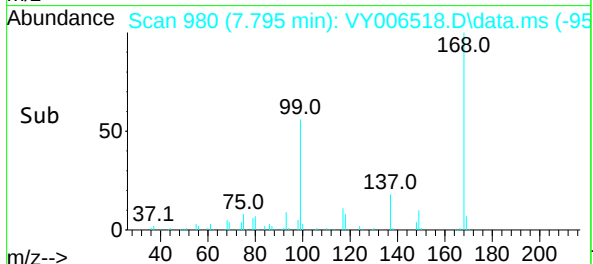
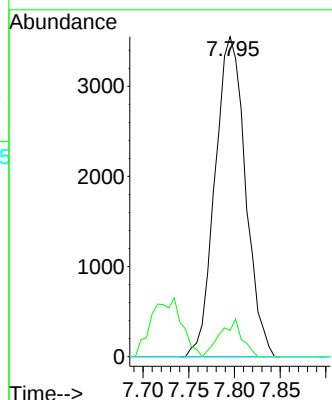
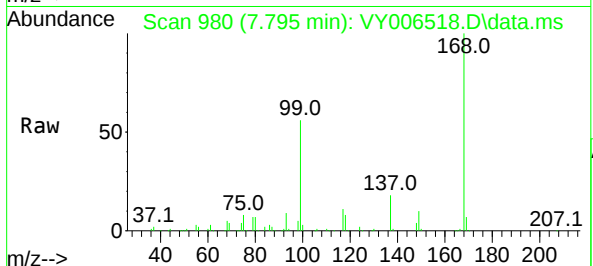
Delta R.T. -0.128 min

Lab File: VY006518.D

Acq: 28 Oct 2021 16:10

Tgt Ion:	75	Resp:	8228
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.1	51.3#
77	0.0	24.9	37.3#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.374 ug/l

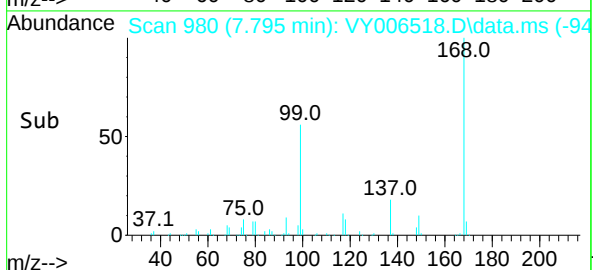
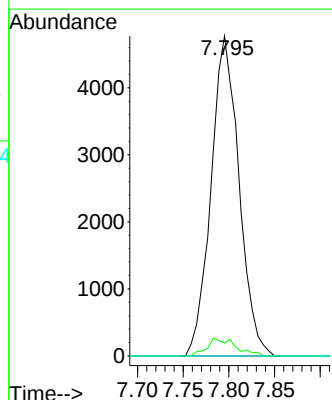
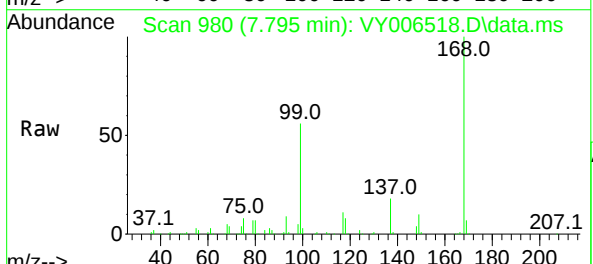
RT: 7.795 min Scan# 980

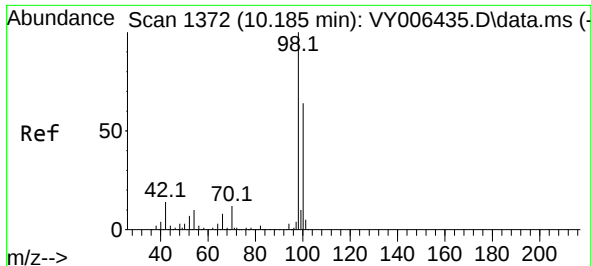
Delta R.T. -0.110 min

Lab File: VY006518.D

Acq: 28 Oct 2021 16:10

Tgt Ion:	117	Resp:	10148
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.6	115.0#
121	0.0	24.7	37.1#

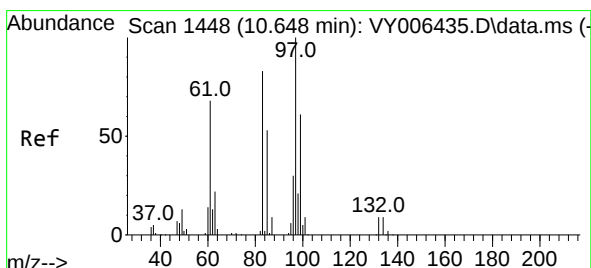
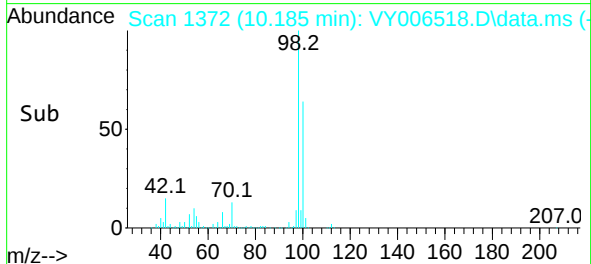
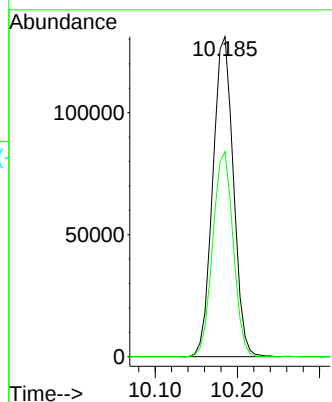
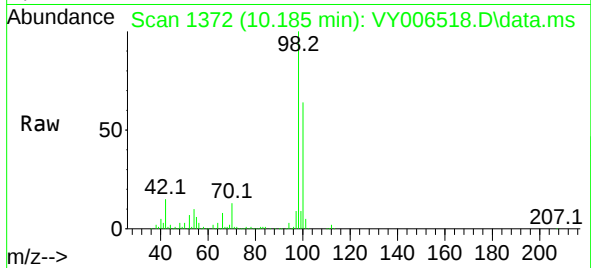




#50
Toluene-d8
Concen: 55.609 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

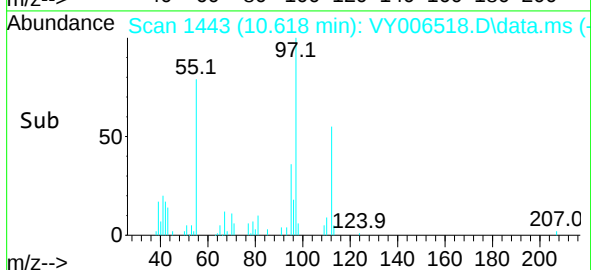
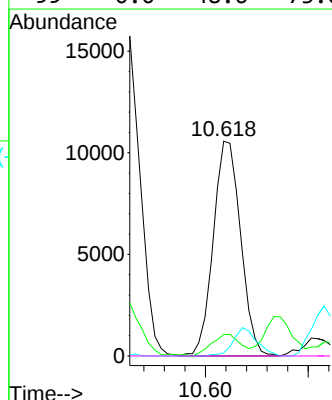
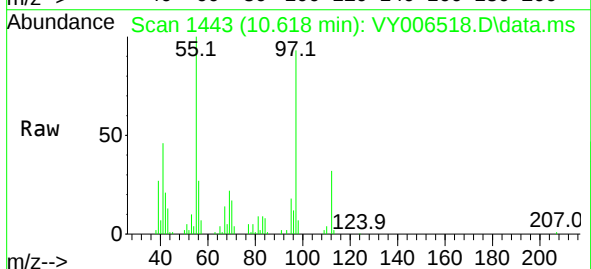
Instrument :
MSVOA_Y
ClientSampled :

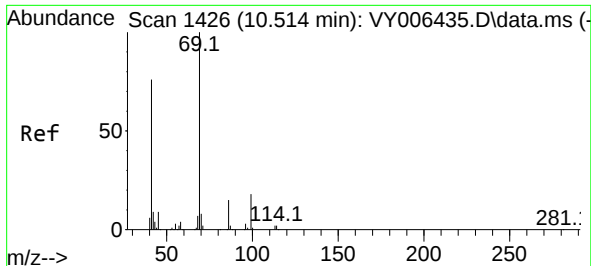
Tgt Ion: 98 Resp: 227637
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#55
1,1,2-Trichloroethane
Concen: 21.273 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 97 Resp: 19525
Ion Ratio Lower Upper
97 100
83 9.5 66.2 99.2#
85 1.5 42.2 63.4#
99 0.0 48.6 73.0#

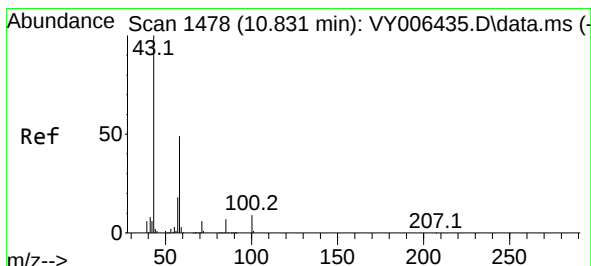
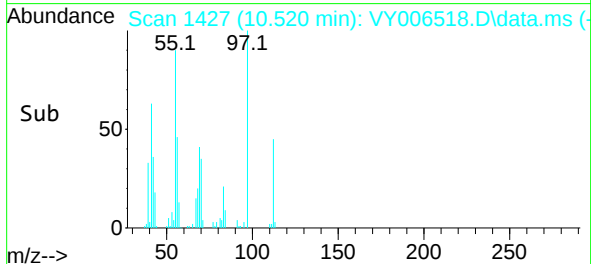
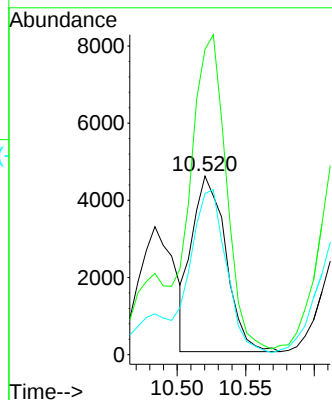
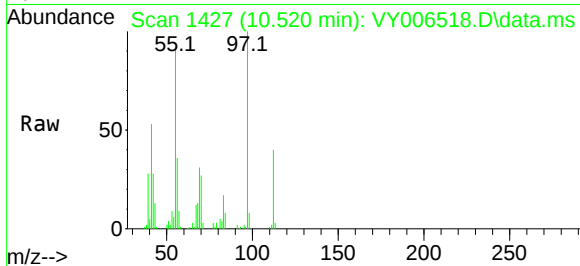




#56
Ethyl methacrylate
Concen: 5.516 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

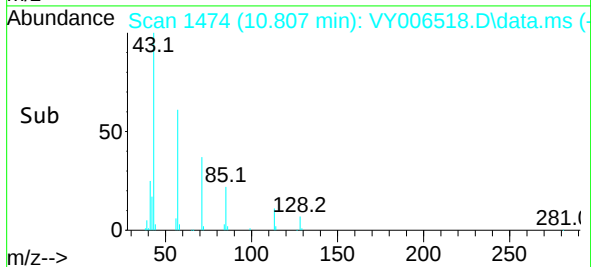
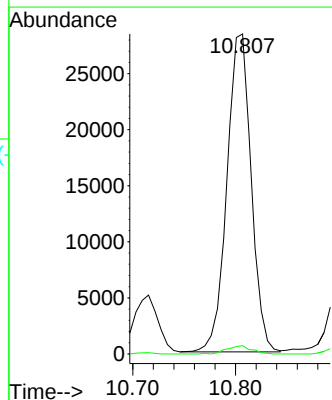
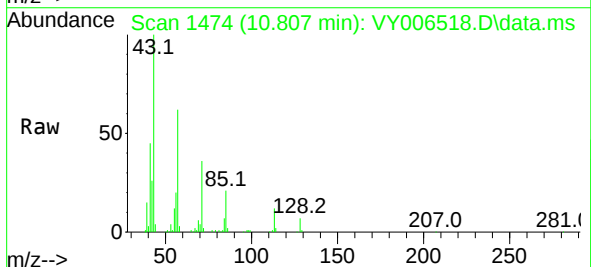
Instrument :
MSVOA_Y
ClientSampleId :

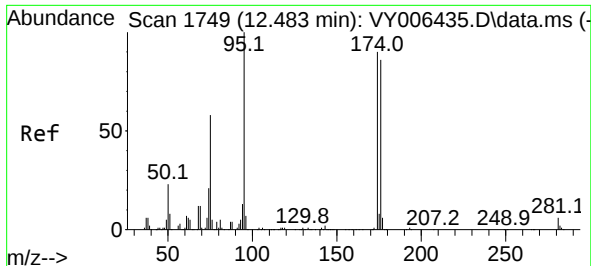
Tgt Ion: 69 Resp: 7821
Ion Ratio Lower Upper
69 100
41 183.9 62.9 94.3#
39 97.4 35.7 53.5#



#59
2-Hexanone
Concen: 58.259 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 43 Resp: 46454
Ion Ratio Lower Upper
43 100
58 2.6 24.6 73.6#

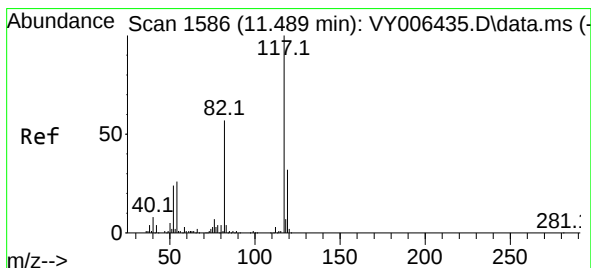
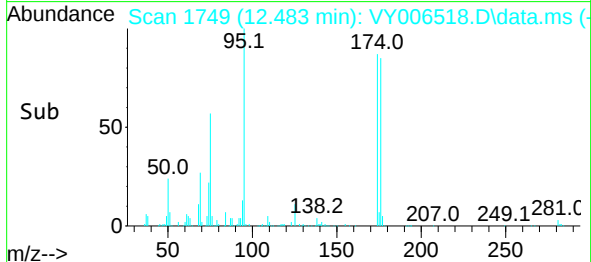
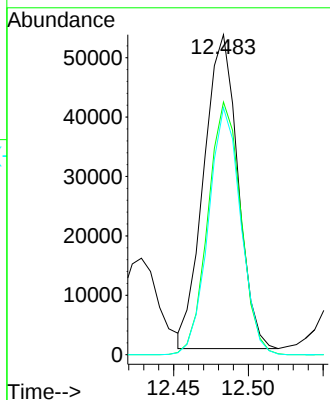
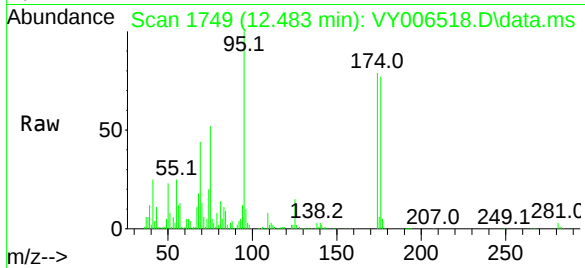




#62
4-Bromofluorobenzene
Concen: 60.656 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

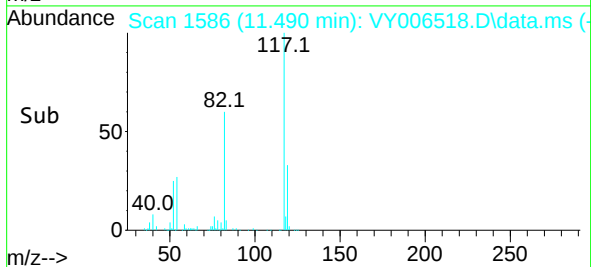
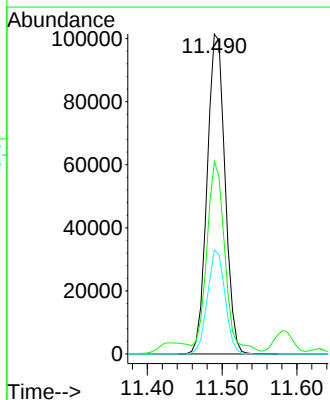
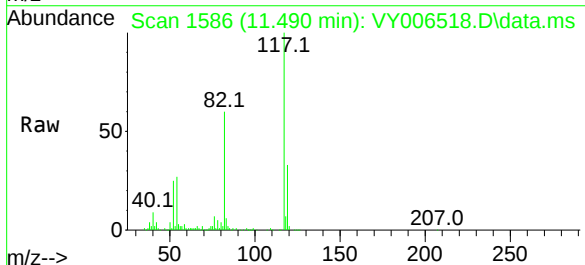
Instrument :
MSVOA_Y
ClientSampled :

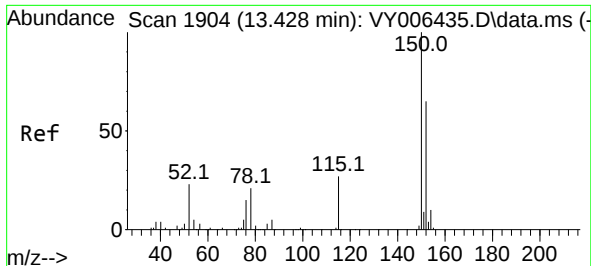
Tgt Ion:	95	Resp:	83641
Ion Ratio	Lower	Upper	
95	100		
174	77.8	0.0	177.0
176	74.4	0.0	169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion:	117	Resp:	168779
Ion Ratio	Lower	Upper	
117	100		
82	56.8	45.7	68.5
119	32.5	25.5	38.3

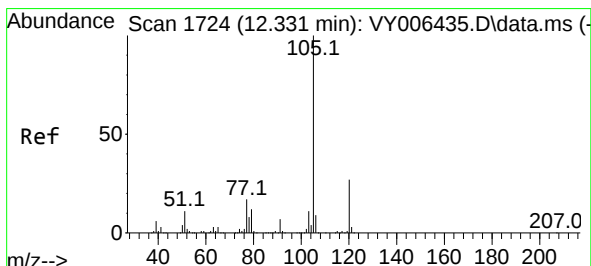
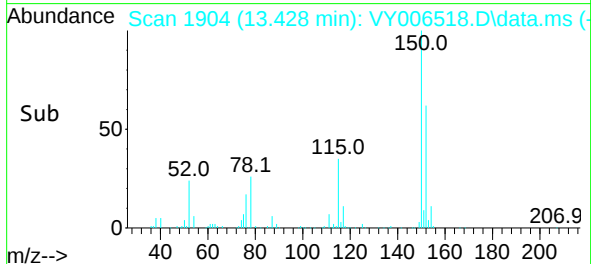
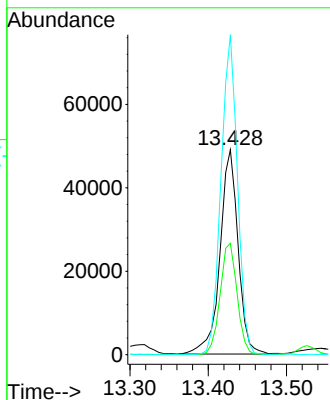
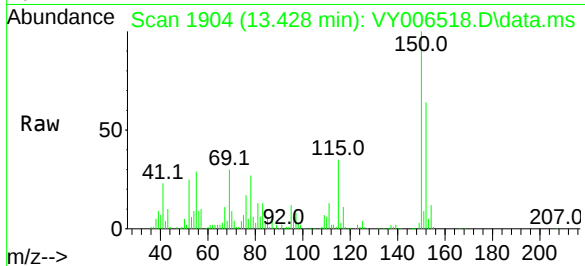




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

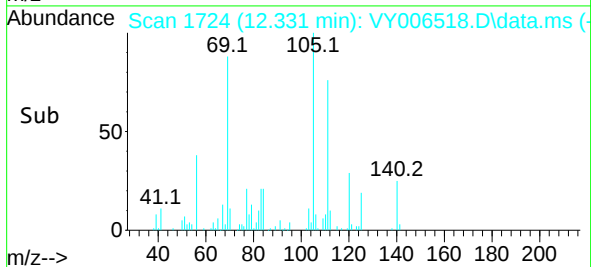
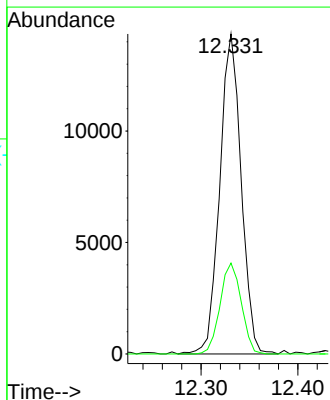
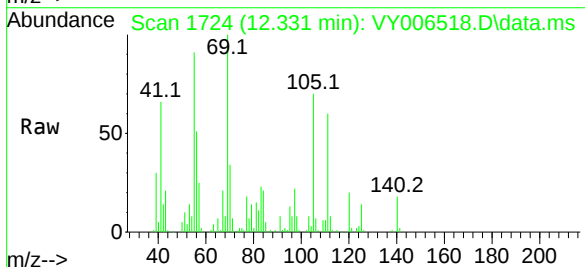
Instrument :
MSVOA_Y
ClientSampleId :

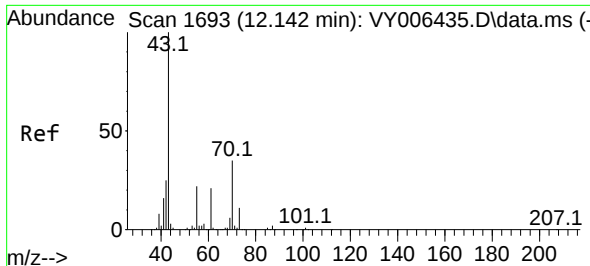
Tgt Ion:152 Resp: 78923
Ion Ratio Lower Upper
152 100
115 51.2 28.5 85.5
150 142.0 0.0 348.2



#73
Isopropylbenzene
Concen: 3.994 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

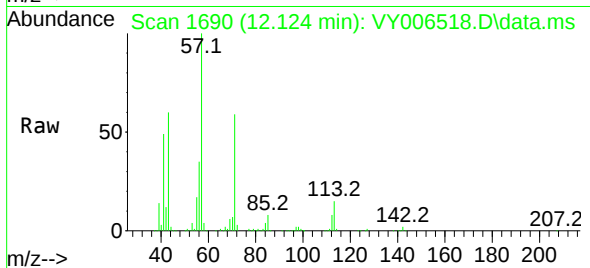
Tgt Ion:105 Resp: 22051
Ion Ratio Lower Upper
105 100
120 28.0 13.3 39.9



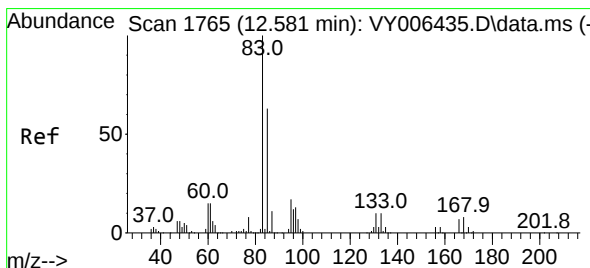
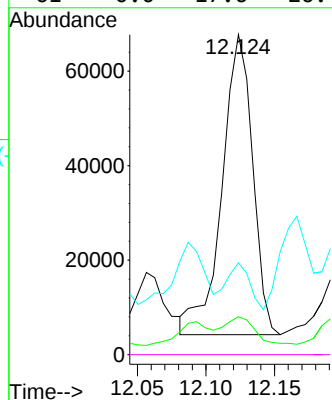
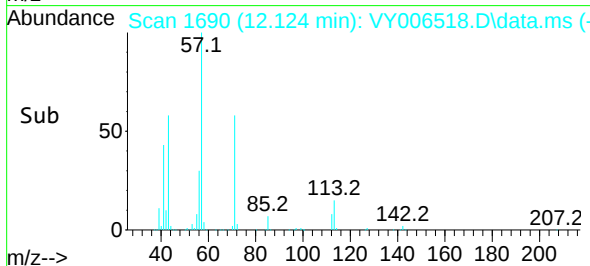


#74
N-amy1 acetate
Concen: 53.842 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

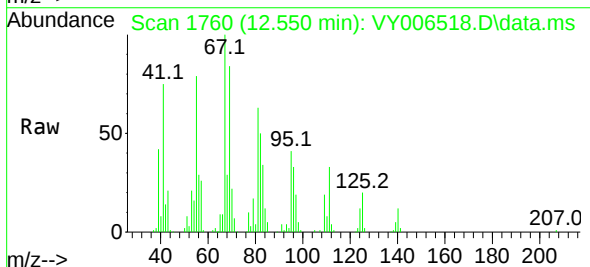
Instrument :
MSVOA_Y
ClientSampleId :



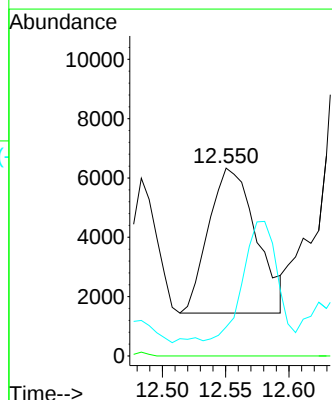
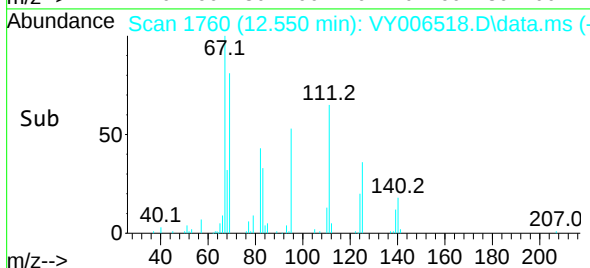
Tgt Ion: 43	Resp: 98607
Ion Ratio	Lower Upper
43	100
70	8.9 29.4 44.0#
55	10.2 18.1 27.1#
61	0.0 17.6 26.4#

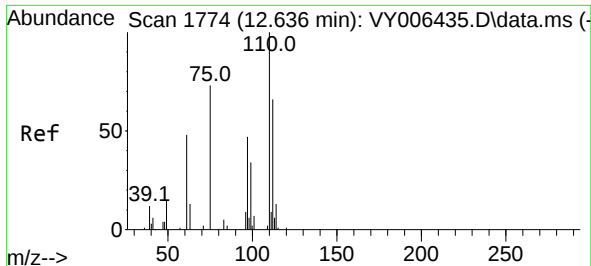


#75
1,1,2,2-Tetrachloroethane
Concen: 13.463 ug/l
RT: 12.550 min Scan# 1760
Delta R.T. -0.030 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10



Tgt Ion: 83	Resp: 12868
Ion Ratio	Lower Upper
83	100
131	0.0 5.5 16.4#
85	0.0 31.9 95.9#

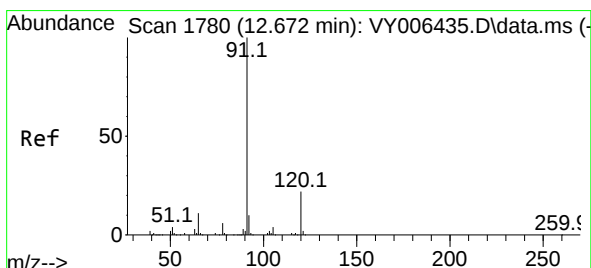
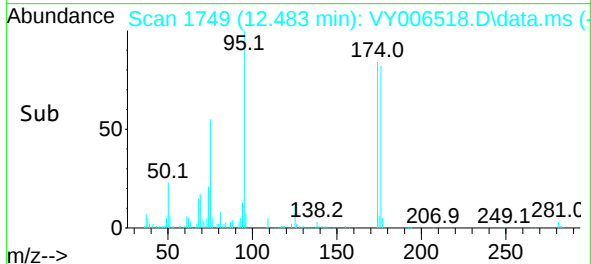
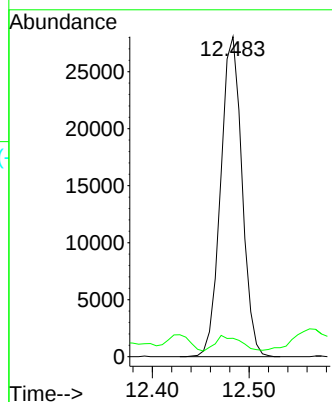
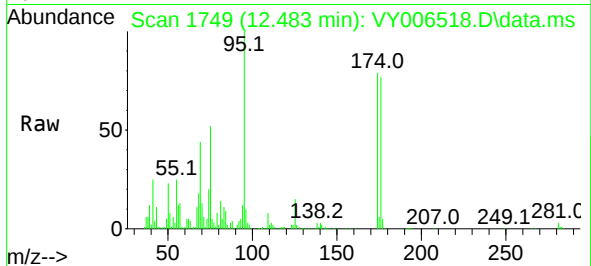




#76
1,2,3-Trichloropropane
Concen: 52.774 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

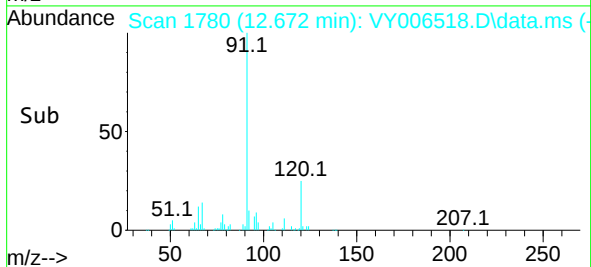
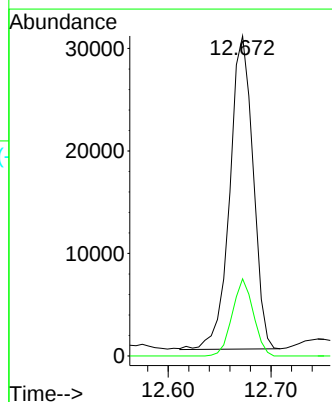
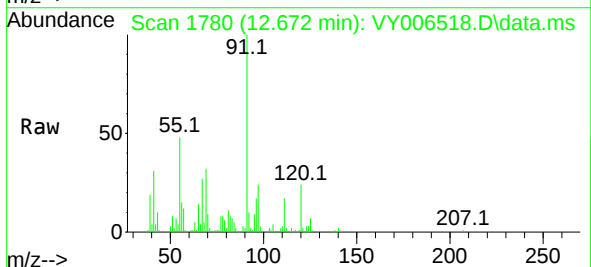
Instrument :
MSVOA_Y
ClientSampleId :

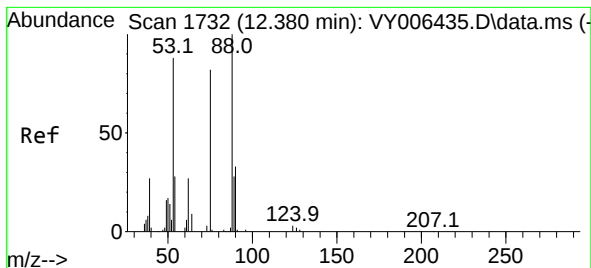
Tgt Ion: 75 Resp: 42920
Ion Ratio Lower Upper
75 100
77 5.6 0.0 0.0#



#78
n-propylbenzene
Concen: 7.051 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 91 Resp: 48109
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.8

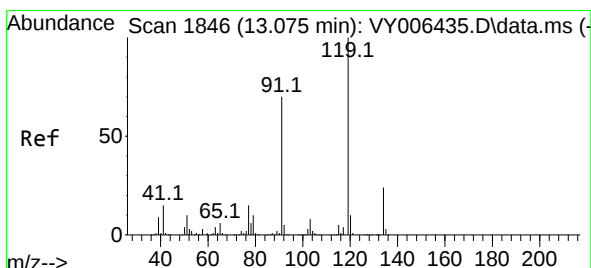
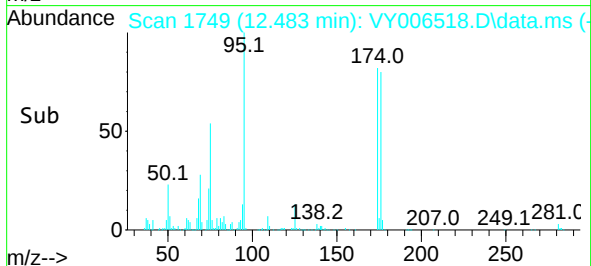
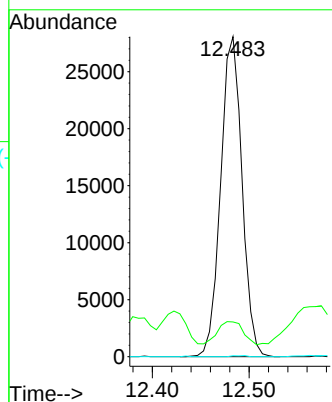
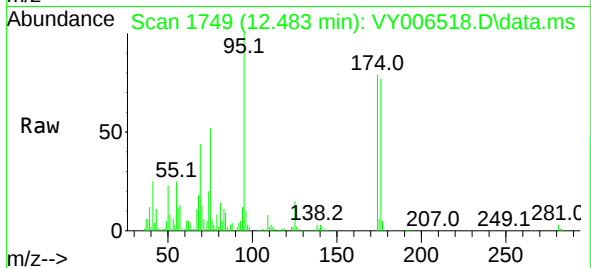




#81
trans-1,4-Dichloro-2-butene
Concen: 108.343 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

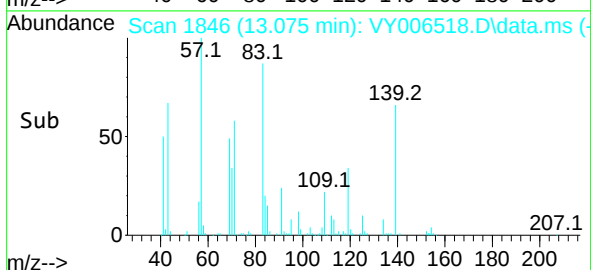
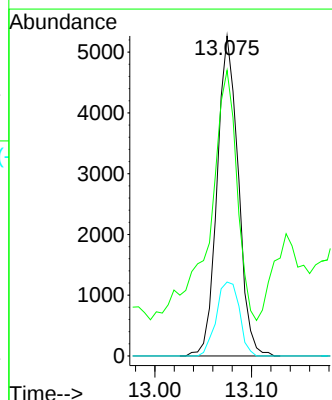
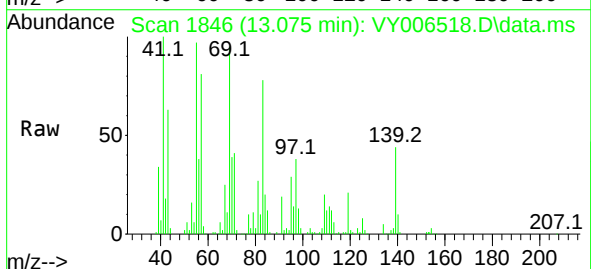
Instrument :
MSVOA_Y
ClientSampleId :

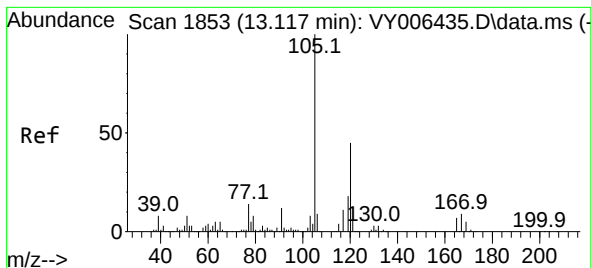
Tgt Ion: 75 Resp: 42920
Ion Ratio Lower Upper
75 100
53 8.6 85.8 128.6#
89 0.2 39.3 58.9#



#83
tert-Butylbenzene
Concen: 2.012 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 119 Resp: 7991
Ion Ratio Lower Upper
119 100
91 100.6 34.8 104.5
134 25.2 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 32.571 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.134 min

Lab File: VY006518.D

Acq: 28 Oct 2021 16:10

Tgt Ion:105 Resp: 150551

Ion Ratio Lower Upper

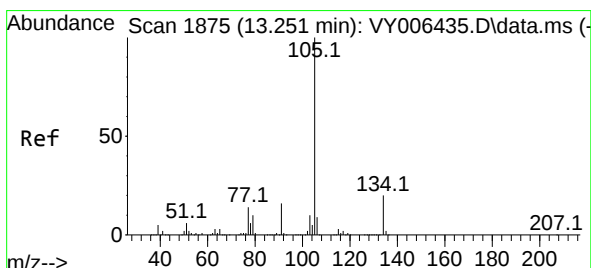
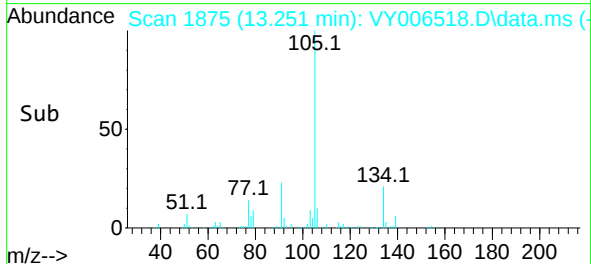
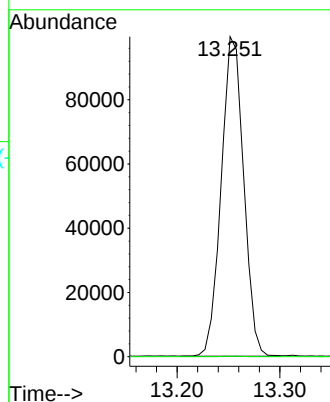
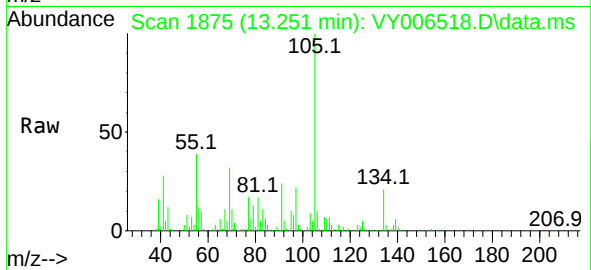
105 100

120 0.1 22.6 67.8#

Instrument :

MSVOA_Y

ClientSampled :



#85

sec-Butylbenzene

Concen: 25.240 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY006518.D

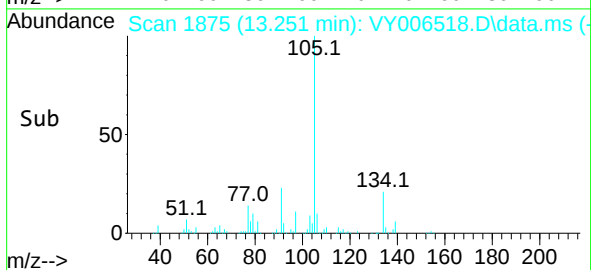
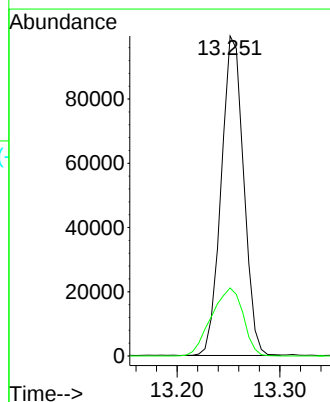
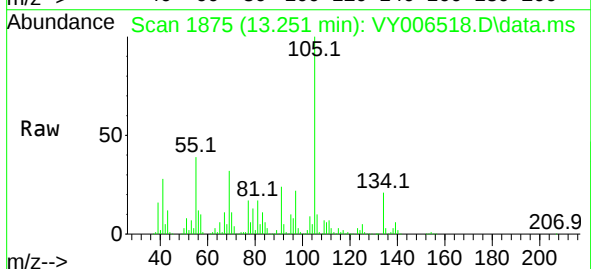
Acq: 28 Oct 2021 16:10

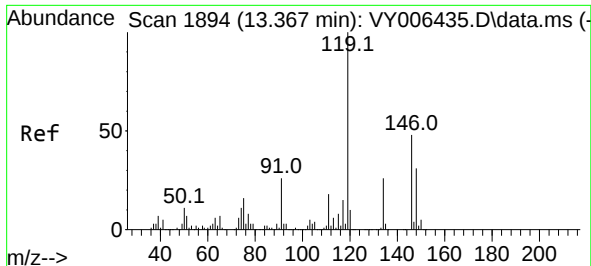
Tgt Ion:105 Resp: 150551

Ion Ratio Lower Upper

105 100

134 30.1 10.1 30.3

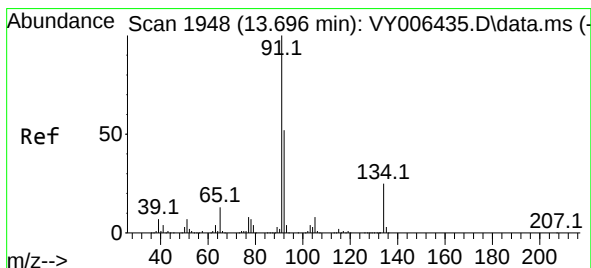
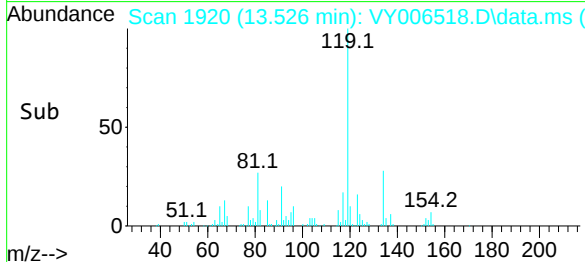
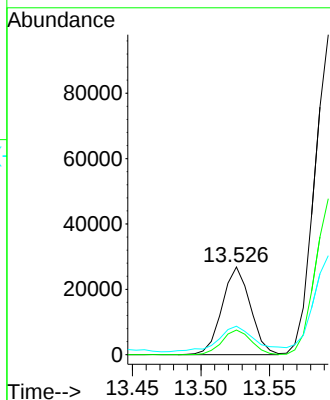
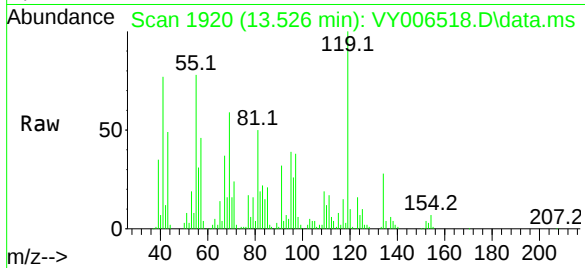




#86
p-Isopropyltoluene
Concen: 7.562 ug/l
RT: 13.526 min Scan# 1920
Delta R.T. 0.159 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

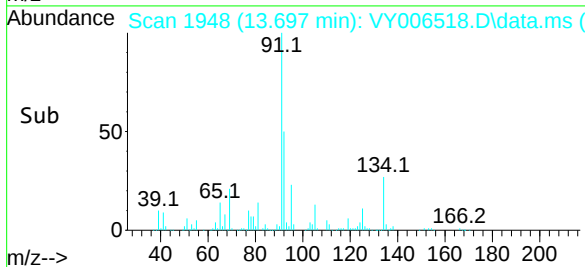
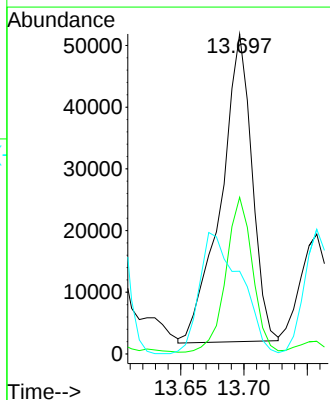
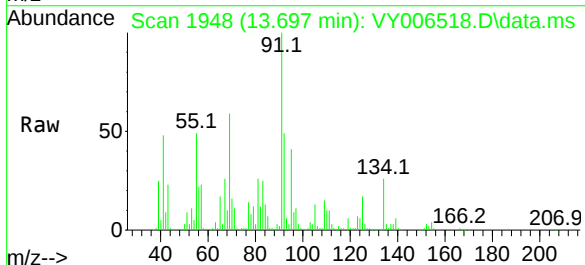
Instrument :
MSVOA_Y
ClientSampleId :

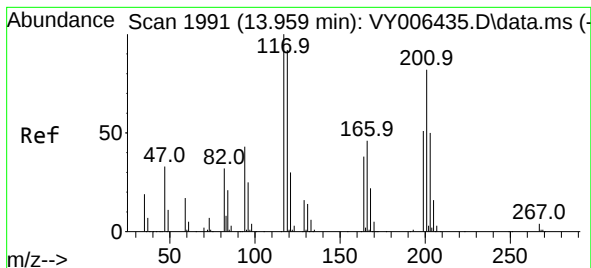
Tgt Ion:119 Resp: 38482
Ion Ratio Lower Upper
119 100
134 29.0 13.1 39.1
91 38.1 12.4 37.4#



#89
n-Butylbenzene
Concen: 17.844 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 91 Resp: 85418
Ion Ratio Lower Upper
91 100
92 43.5 26.3 78.9
134 0.0 12.9 38.7#

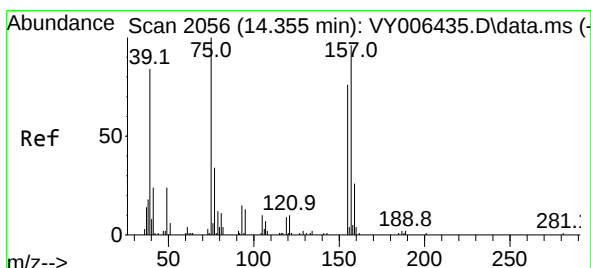
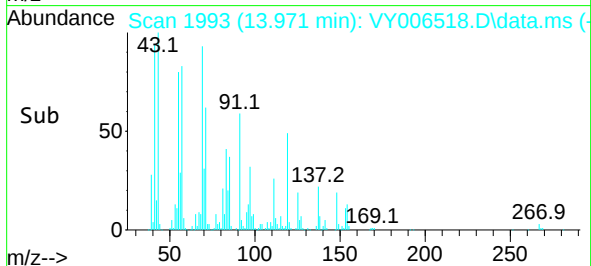
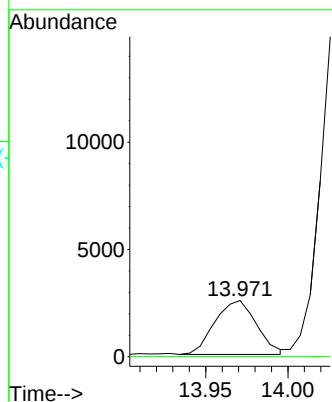
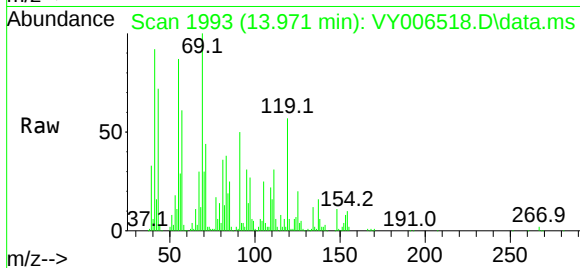




#90
Hexachloroethane
Concen: 4.800 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

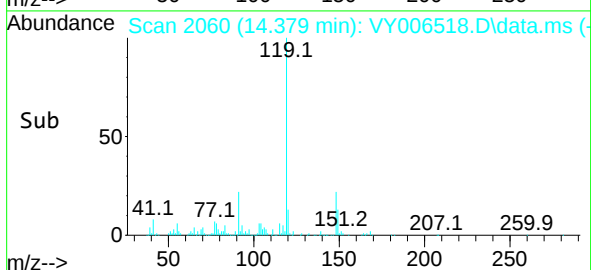
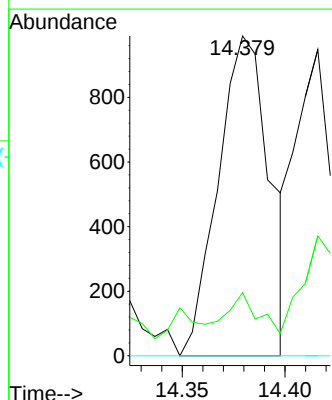
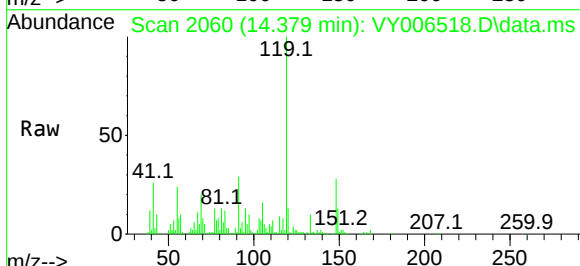
Instrument :
MSVOA_Y
ClientSampleId :

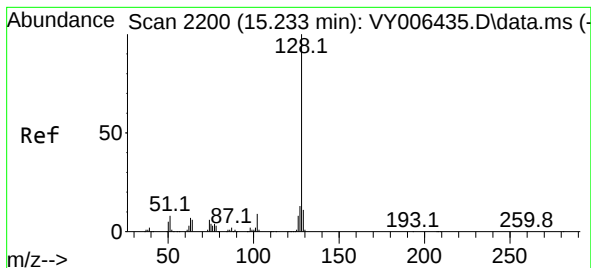
Tgt Ion:117 Resp: 4411
Ion Ratio Lower Upper
117 100
201 0.0 43.4 130.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.496 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.025 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion: 75 Resp: 1724
Ion Ratio Lower Upper
75 100
155 7.3 39.0 116.9#
157 0.0 49.2 147.6#

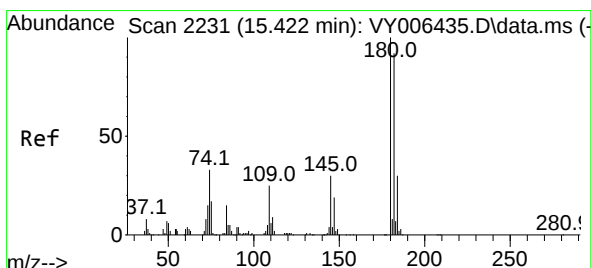
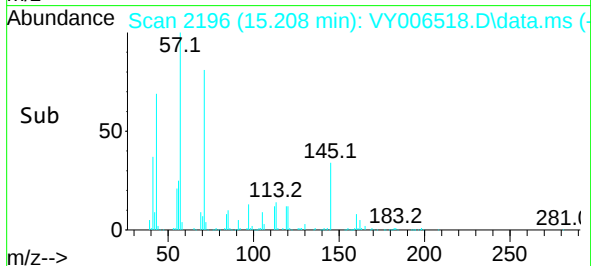
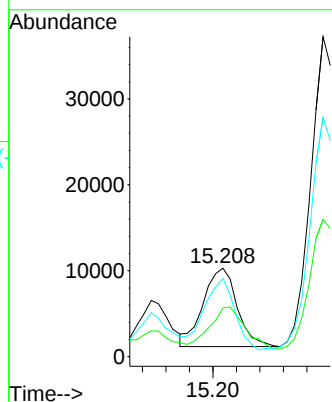
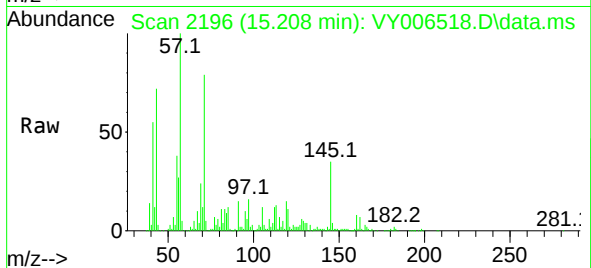




#95
Naphthalene
Concen: 6.165 ug/l
RT: 15.208 min Scan# 2196
Delta R.T. -0.024 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 18242
Ion Ratio Lower Upper
128 100
127 55.2 11.0 16.4#
129 80.7 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.927 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.024 min
Lab File: VY006518.D
Acq: 28 Oct 2021 16:10

Tgt Ion:180 Resp: 3874
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.4#
145 0.0 15.3 45.8#

