

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090821\
 Data File : VY005964.D
 Acq On : 08 Sep 2021 14:10
 Operator : SY/MD
 Sample : M3667-01
 Misc : 5.07G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-9

Quant Time: Sep 09 04:54:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

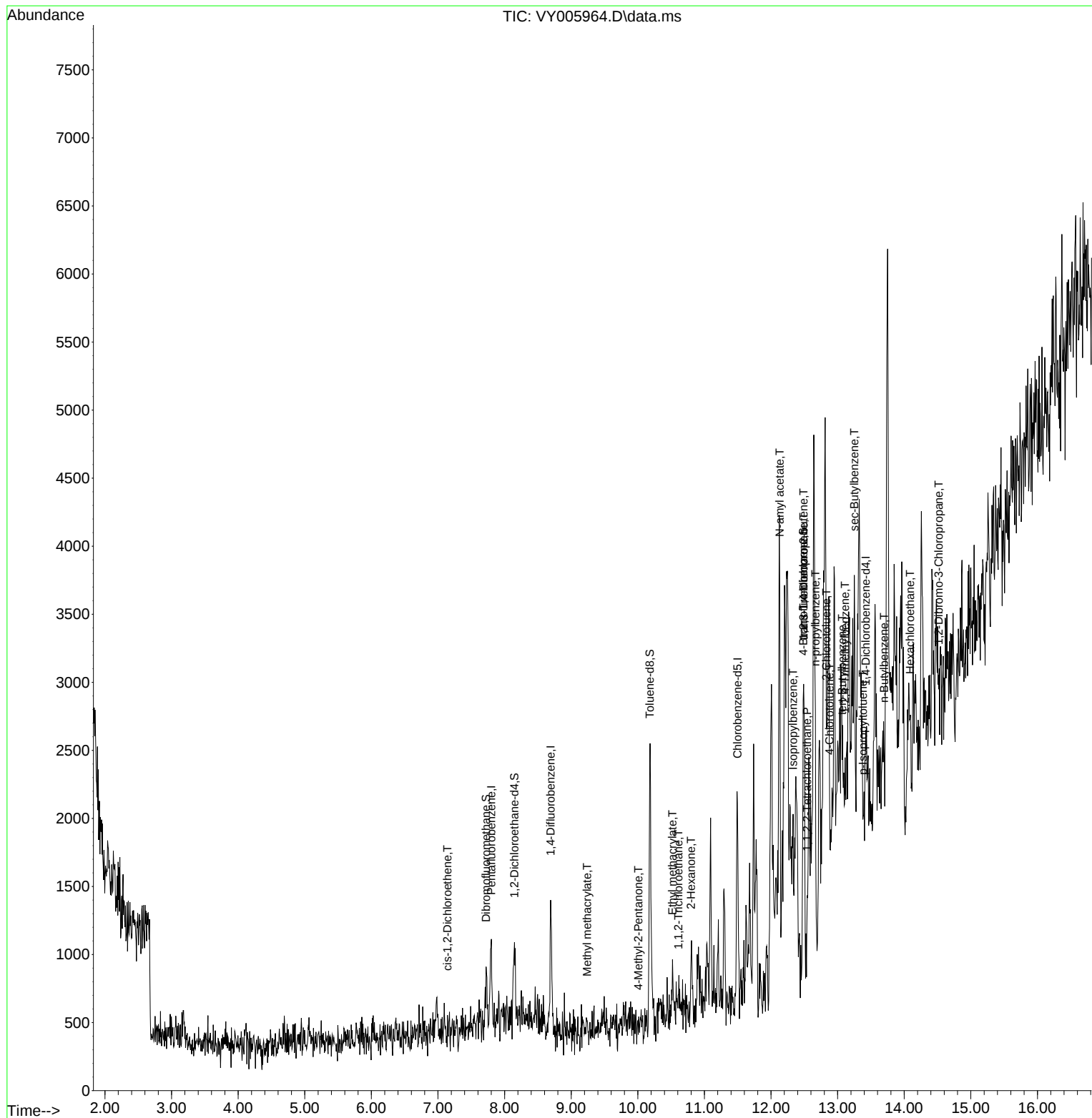
Internal Standards						
1) Pentafluorobenzene	7.801	168	580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	1284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	1057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	541	92.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 185.120%#	
35) Dibromofluoromethane	7.722	113	239	33.144	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 66.280%	
50) Toluene-d8	10.178	98	1545	51.052	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.100%	
62) 4-Bromofluorobenzene	12.483	95	516	50.779	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.560%	
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.142	96	25	4.005	ug/l	# 1
48) Methyl methacrylate	9.240	41	19	3.144	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.008	43	18	2.540	ug/l	# 35
55) 1,1,2-Trichloroethane	10.611	97	39	5.646	ug/l	# 16
56) Ethyl methacrylate	10.520	69	34	3.400	ug/l	# 1
59) 2-Hexanone	10.800	43	243	49.091	ug/l	# 24
73) Isopropylbenzene	12.331	105	154	15.101	ug/l	# 48
74) N-amyl acetate	12.129	43	793	271.036	ug/l	# 68
75) 1,1,2,2-Tetrachloroethane	12.544	83	86	44.313	ug/l	# 26
76) 1,2,3-Trichloropropane	12.489	75	90	62.848	ug/l	# 100
78) n-propylbenzene	12.666	91	296	24.287	ug/l	# 86
79) 2-Chlorotoluene	12.830	91	25	3.685	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.489	75	90	119.523	ug/l	# 13
82) 4-Chlorotoluene	12.879	91	43	6.041	ug/l	# 38
83) tert-Butylbenzene	13.068	119	76	10.177	ug/l	# 59
84) 1,2,4-Trimethylbenzene	13.111	105	21	2.478	ug/l	# 30
85) sec-Butylbenzene	13.251	105	648	58.872	ug/l	# 76
86) p-Isopropyltoluene	13.379	119	34	3.565	ug/l	# 10
89) n-Butylbenzene	13.696	91	238	27.890	ug/l	# 33
90) Hexachloroethane	14.086	117	121	69.908	ug/l	# 2
92) 1,2-Dibromo-3-Chloropr...	14.519	75	21	57.694	ug/l	# 1

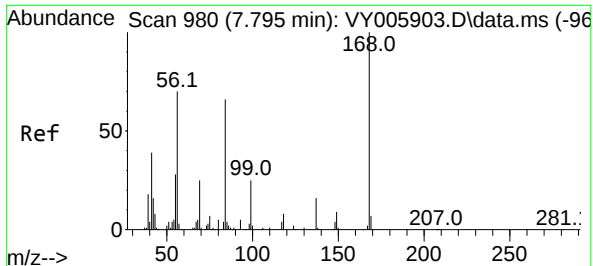
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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Quant Title : SW846 8260
QLast Update : Wed Sep 01 05:32:43 2021
Response via : Initial Calibration

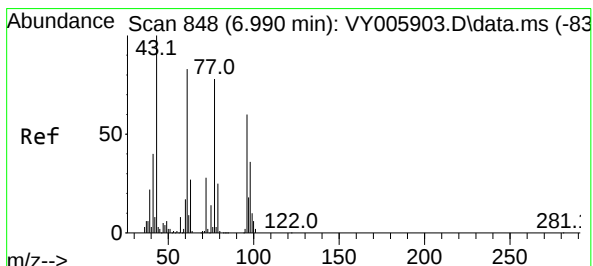
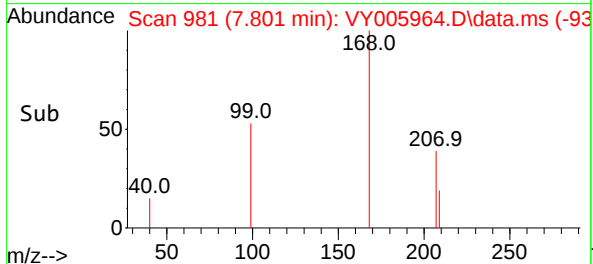
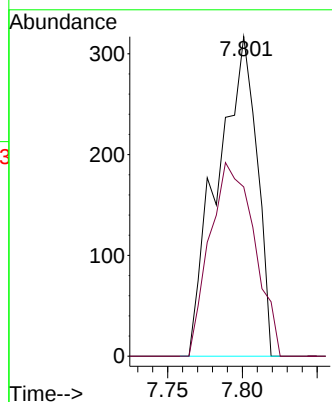
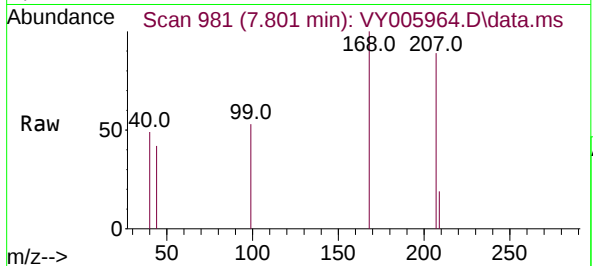




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

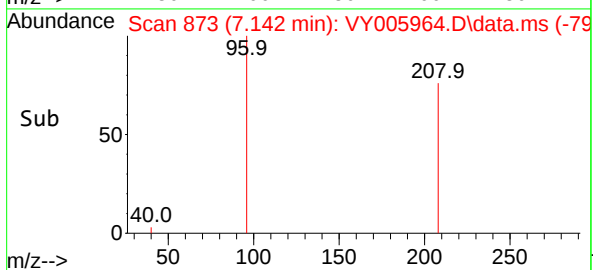
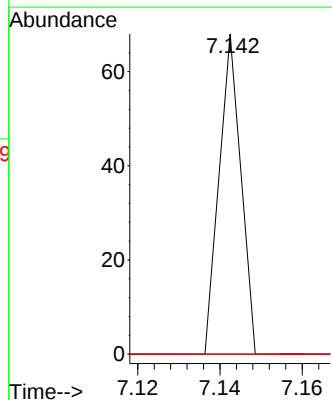
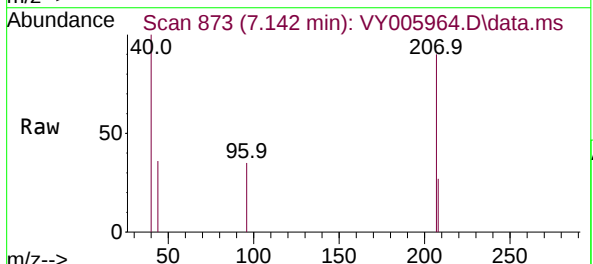
Instrument :
MSVOA_Y
ClientSampled :
B-9

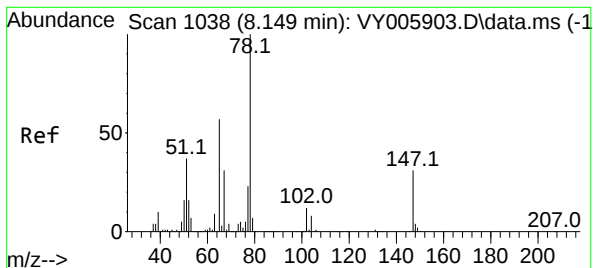
Tgt Ion:168 Resp: 580
Ion Ratio Lower Upper
168 100
99 53.0 40.6 60.8



#27
cis-1,2-Dichloroethene
Concen: 4.005 ug/l
RT: 7.142 min Scan# 873
Delta R.T. 0.152 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 96 Resp: 25
Ion Ratio Lower Upper
96 100
61 0.0 0.0 289.2
98 0.0 0.0 126.8



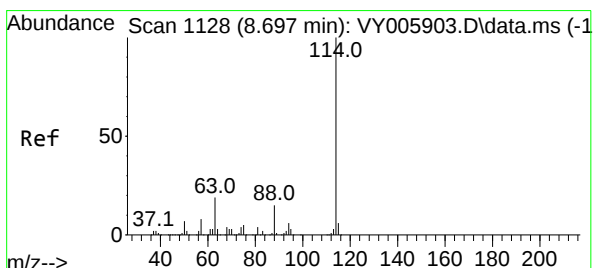
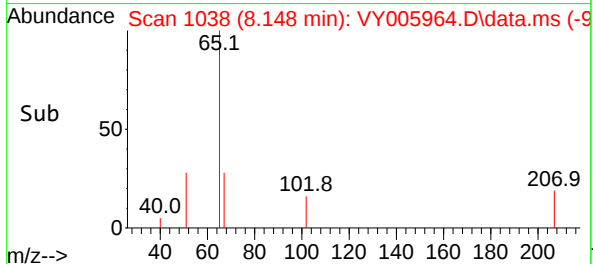
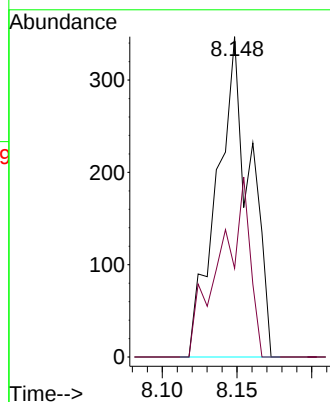
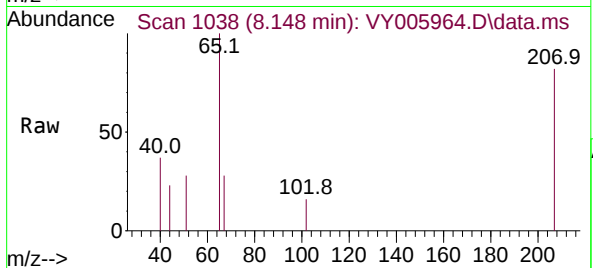


#33

1,2-Dichloroethane-d4
Concen: 92.561 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Instrument :
MSVOA_Y
ClientSampled :
B-9

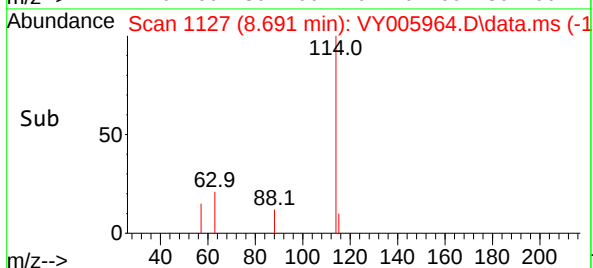
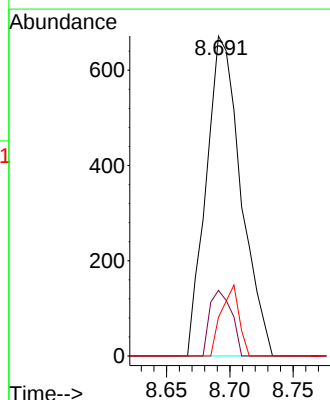
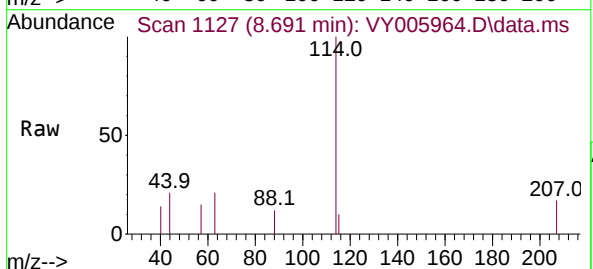
Tgt Ion: 65 Resp: 541
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

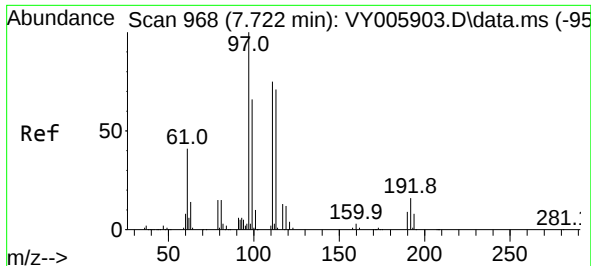


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 114 Resp: 1284
Ion Ratio Lower Upper
114 100
63 20.5 0.0 38.4
88 12.1 0.0 30.0

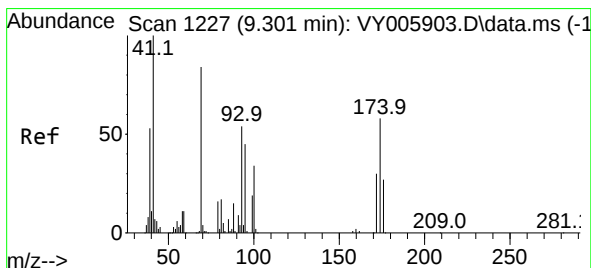
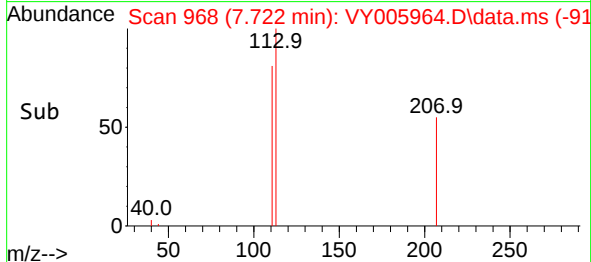
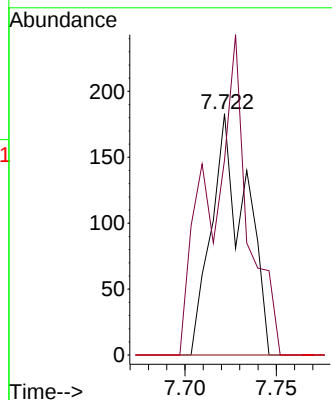
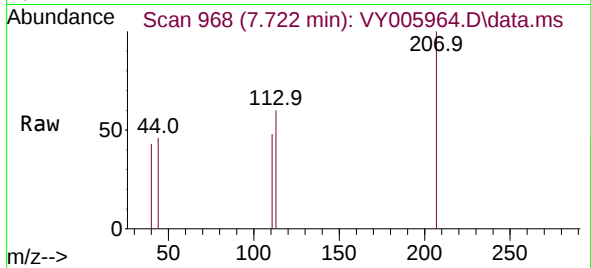




#35
Dibromofluoromethane
Concen: 33.144 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

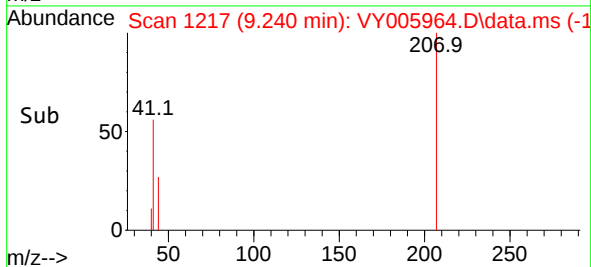
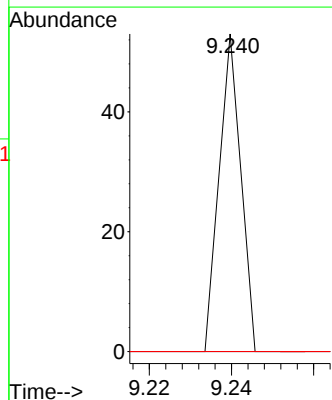
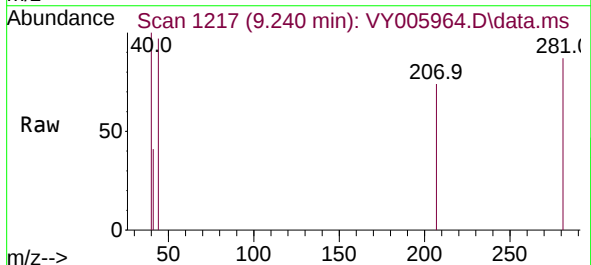
Instrument :
MSVOA_Y
ClientSampleId :
B-9

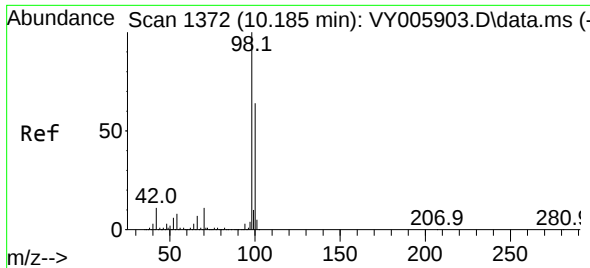
Tgt Ion: 113 Resp: 239
Ion Ratio Lower Upper
113 100
111 143.1 81.9 122.9#
192 0.0 19.4 29.0#



#48
Methyl methacrylate
Concen: 3.144 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.061 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 69.3 103.9#
39 0.0 44.2 66.4#

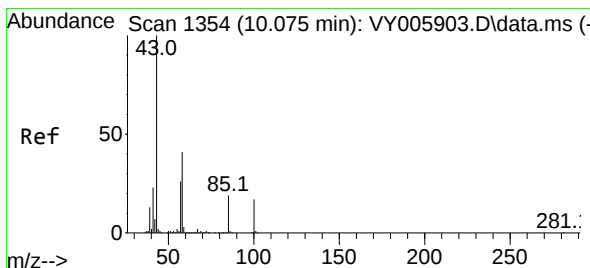
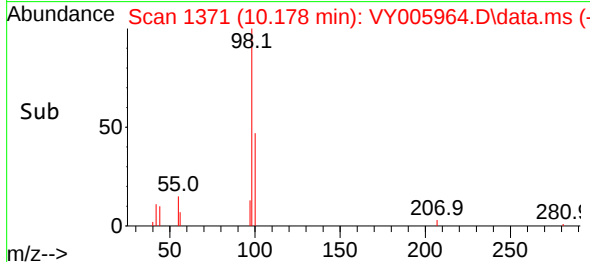
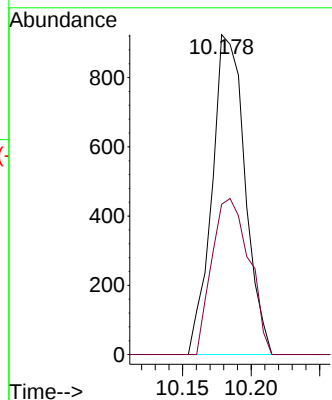
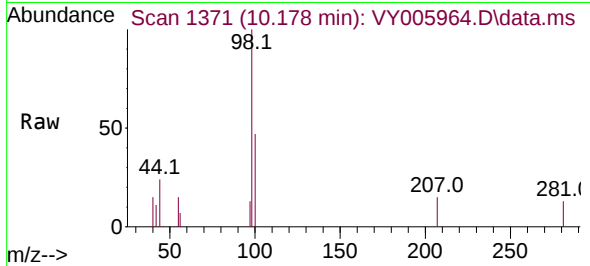




#50
Toluene-d8
Concen: 51.052 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

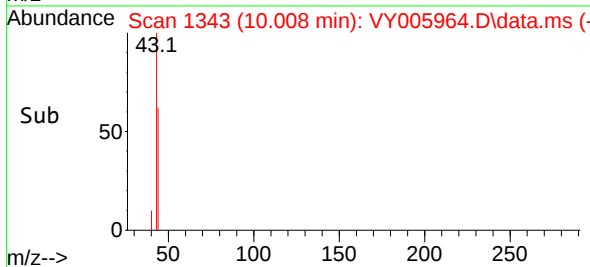
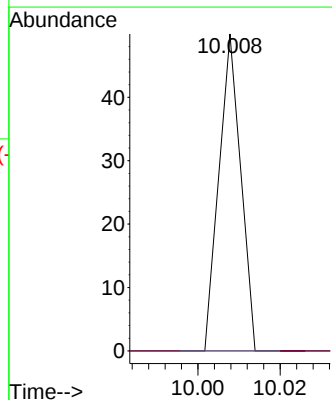
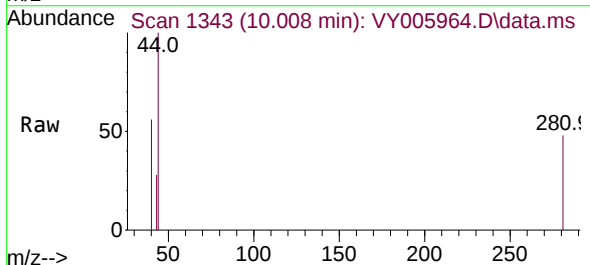
Instrument :
MSVOA_Y
ClientSampled :
B-9

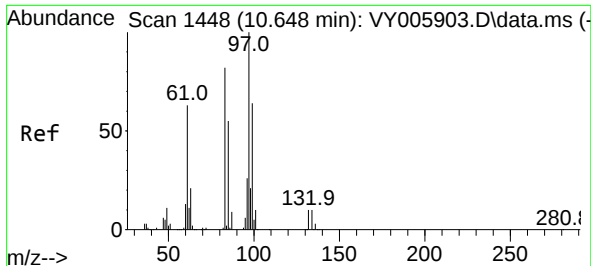
Tgt Ion: 98 Resp: 1545
Ion Ratio Lower Upper
98 100
100 55.4 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.540 ug/l
RT: 10.008 min Scan# 1343
Delta R.T. -0.067 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

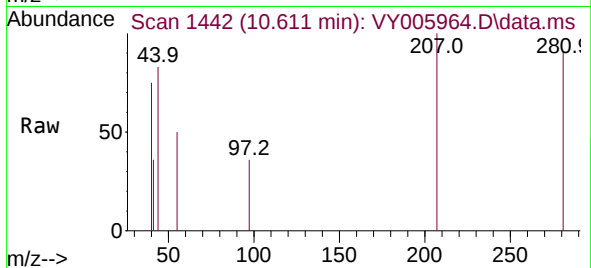
Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#



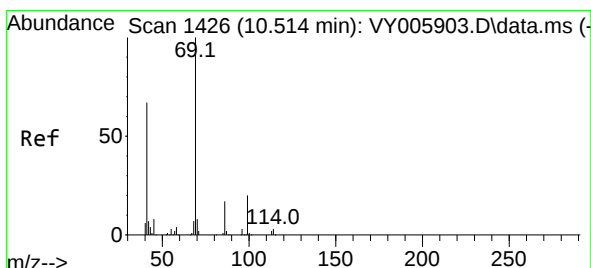
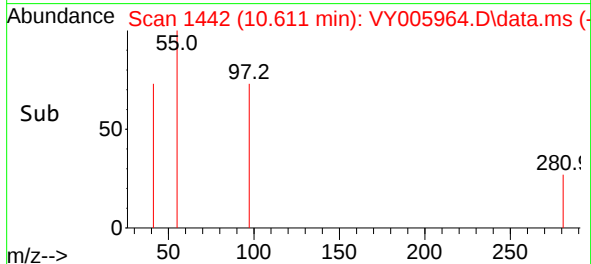
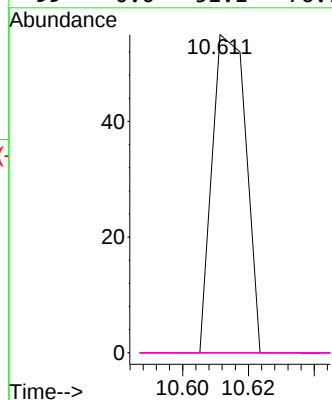


#55
1,1,2-Trichloroethane
Concen: 5.646 ug/l
RT: 10.611 min Scan# 1442
Delta R.T. -0.037 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Instrument :
MSVOA_Y
ClientSampled :
B-9

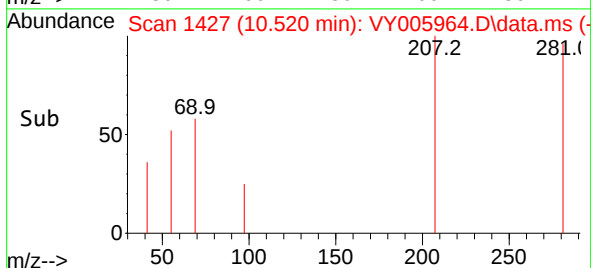
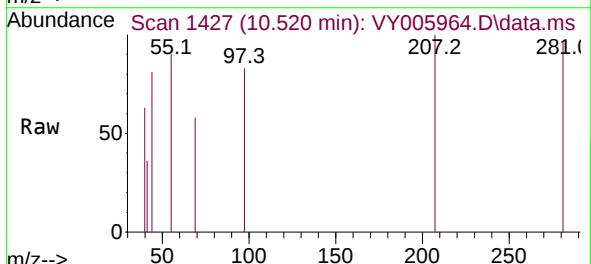
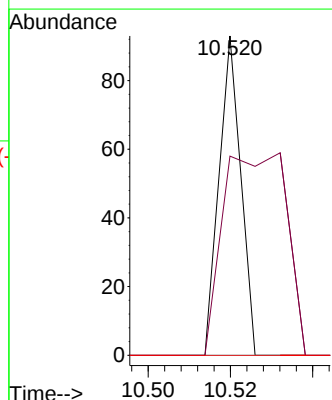


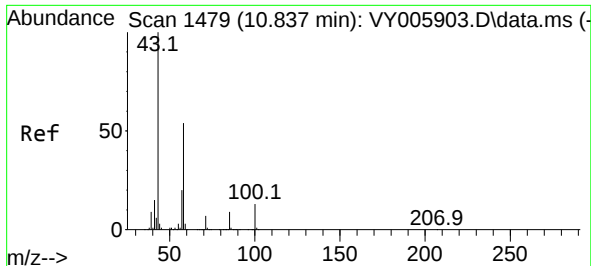
Tgt Ion: 97	Resp: 39
Ion Ratio	Lower Upper
97 100	
83 0.0	65.9 98.9#
85 0.0	44.2 66.4#
99 0.0	51.1 76.7#



#56
Ethyl methacrylate
Concen: 3.400 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 69	Resp: 34
Ion Ratio	Lower Upper
69 100	
41 185.3	53.4 80.0#
39 0.0	28.0 42.0#

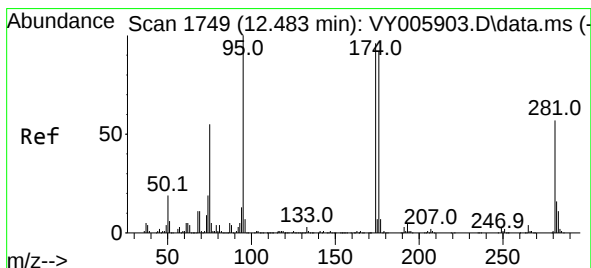
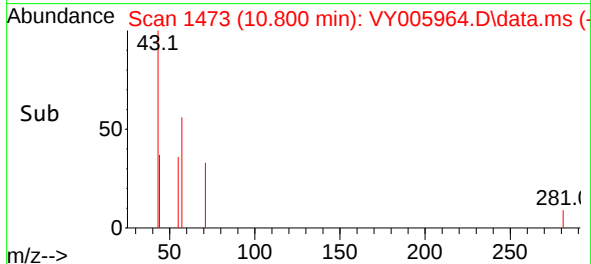
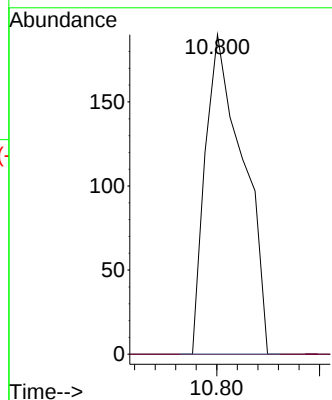
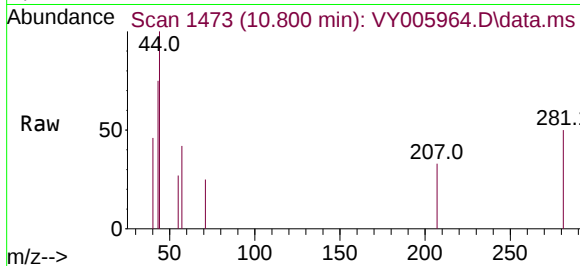




#59
2-Hexanone
Concen: 49.091 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

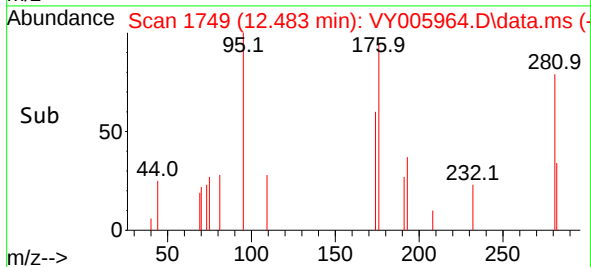
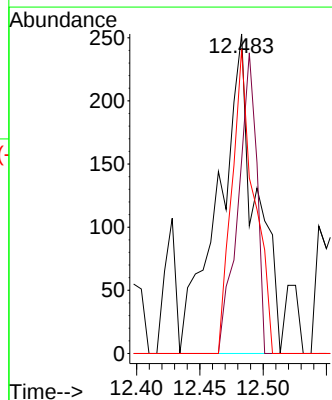
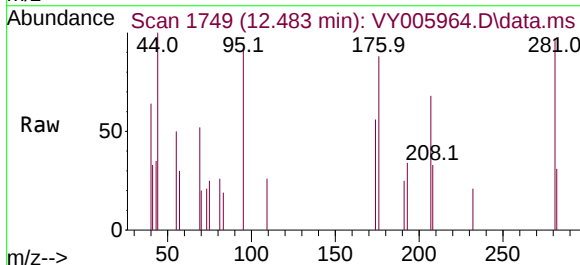
Instrument :
MSVOA_Y
ClientSampled :
B-9

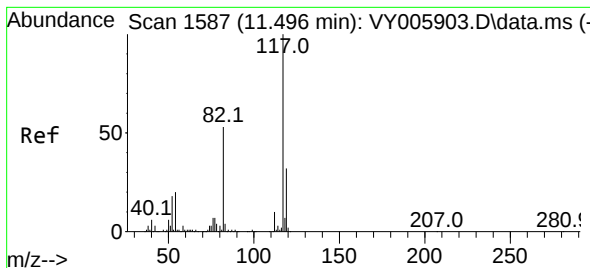
Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 50.779 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 95 Resp: 516
Ion Ratio Lower Upper
95 100
174 47.5 0.0 192.4
176 57.2 0.0 186.8

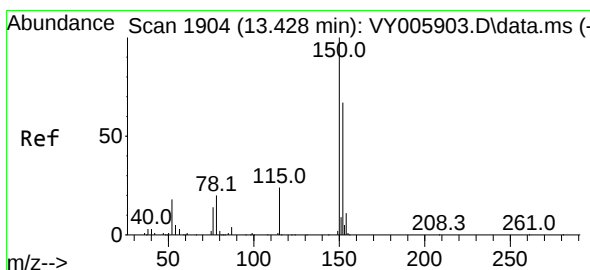
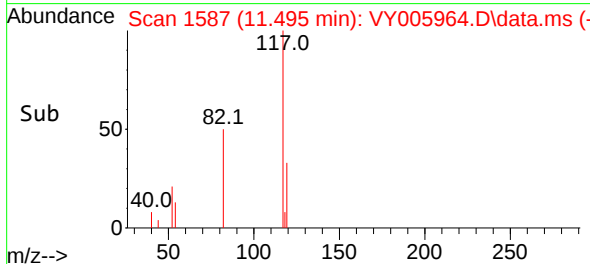
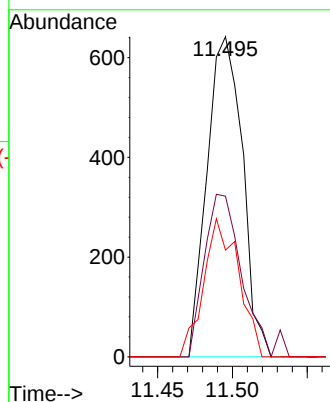
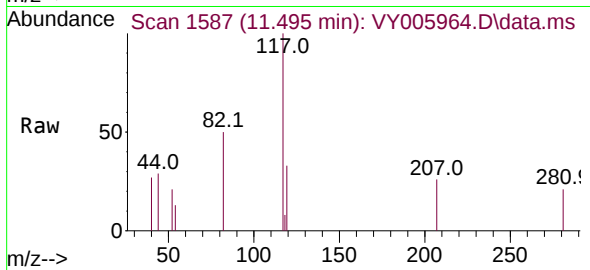




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

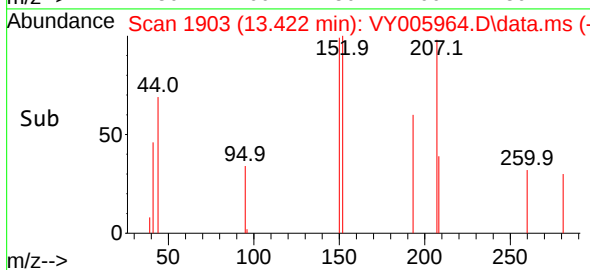
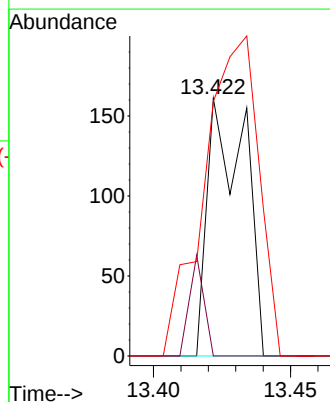
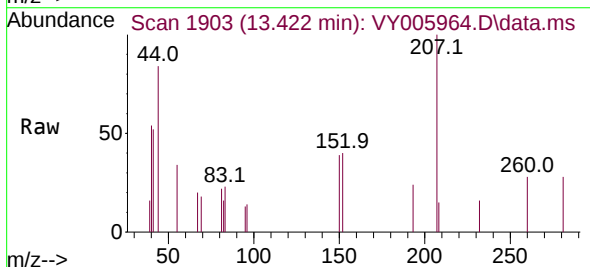
Instrument :
MSVOA_Y
ClientSampleId :
B-9

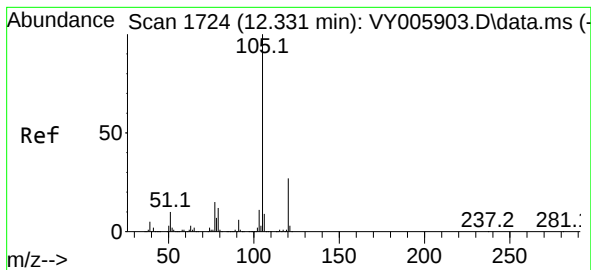
Tgt Ion:	117	Resp:	1057
Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.4	63.6
119	33.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion:	152	Resp:	153
Ion	Ratio	Lower	Upper
152	100		
115	15.0	26.8	80.4#
150	180.4	0.0	345.6

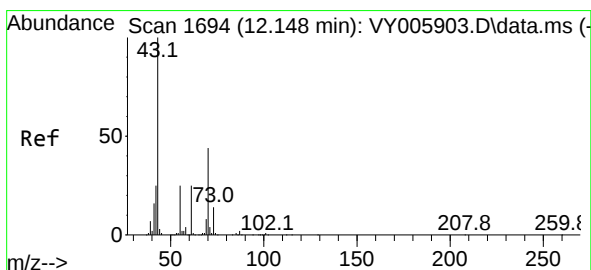
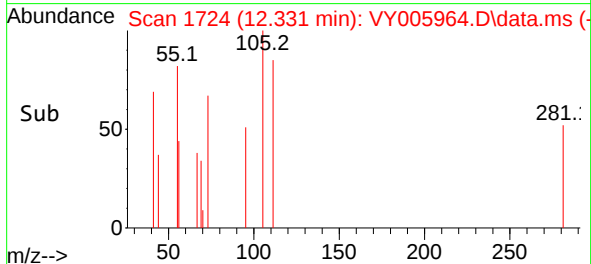
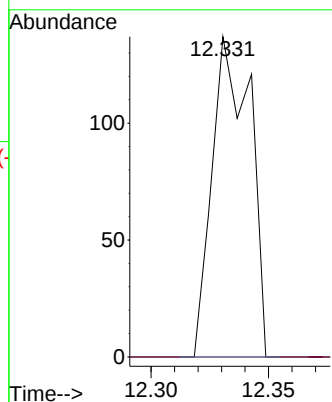
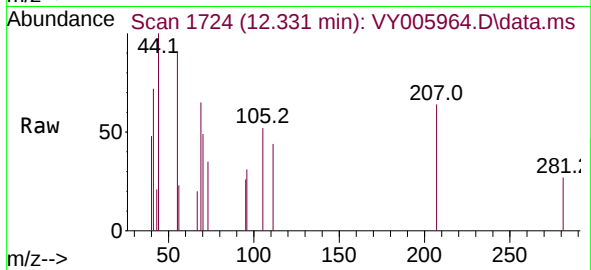




#73
Isopropylbenzene
Concen: 15.101 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

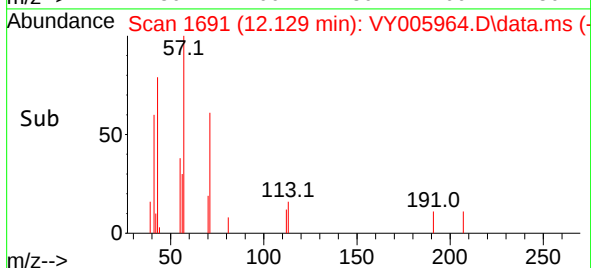
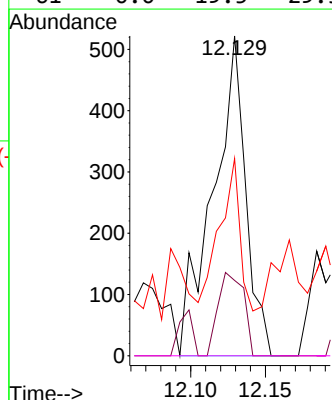
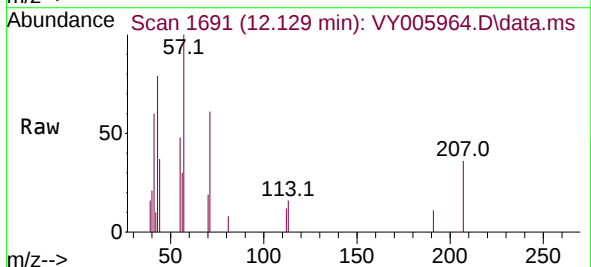
Instrument :
MSVOA_Y
ClientSampled :
B-9

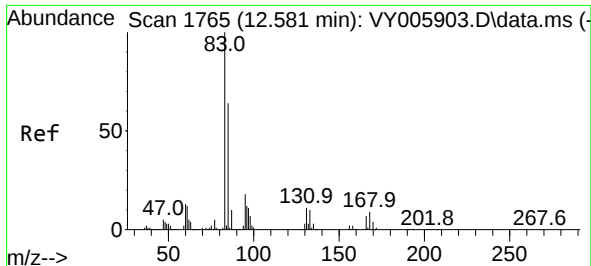
Tgt Ion:105 Resp: 154
Ion Ratio Lower Upper
105 100
120 0.0 13.7 41.0#



#74
N-ethyl acetate
Concen: 271.036 ug/l
RT: 12.129 min Scan# 1691
Delta R.T. -0.019 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
70 20.3 34.2 51.4#
55 29.3 19.4 29.2#
61 0.0 19.5 29.3#

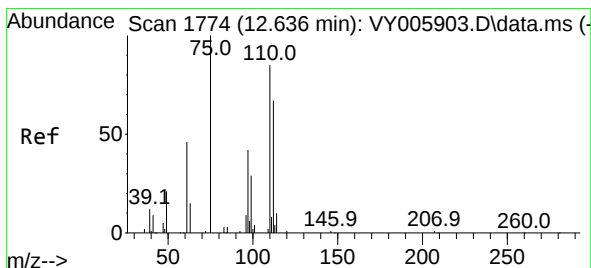
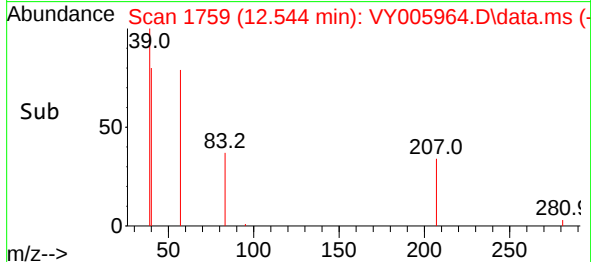
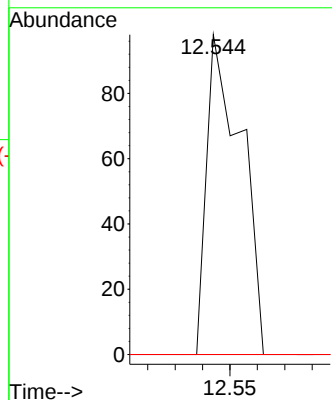
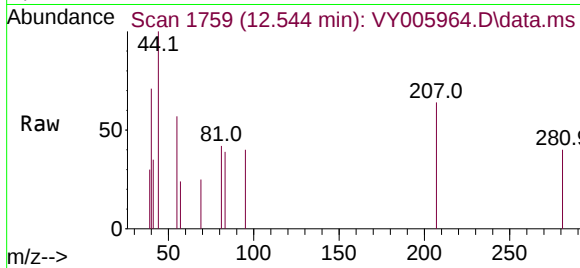




#75
1,1,2,2-Tetrachloroethane
Concen: 44.313 ug/l
RT: 12.544 min Scan# 1759
Delta R.T. -0.037 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

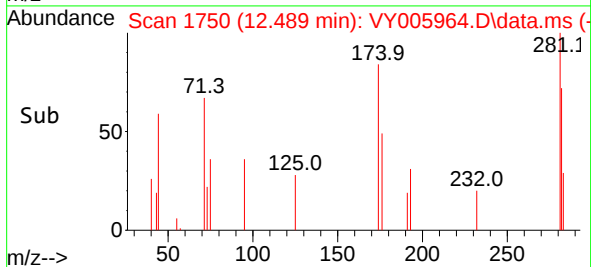
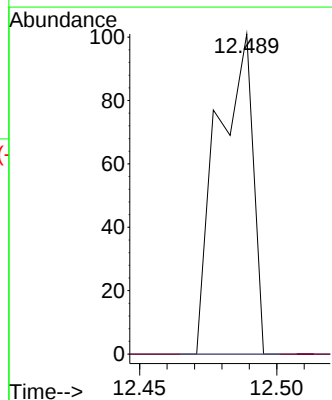
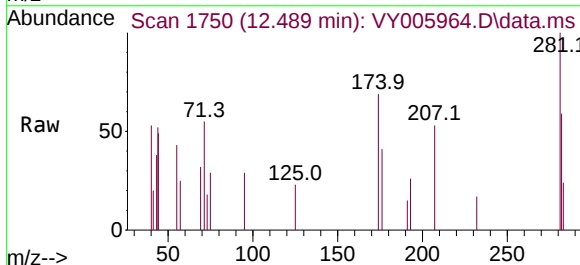
Instrument :
MSVOA_Y
ClientSampled :
B-9

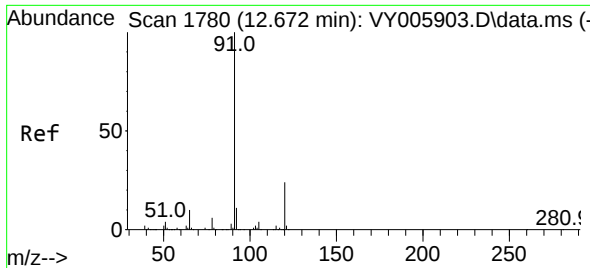
Tgt Ion: 83 Resp: 86
Ion Ratio Lower Upper
83 100
131 0.0 5.7 17.0#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 62.848 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

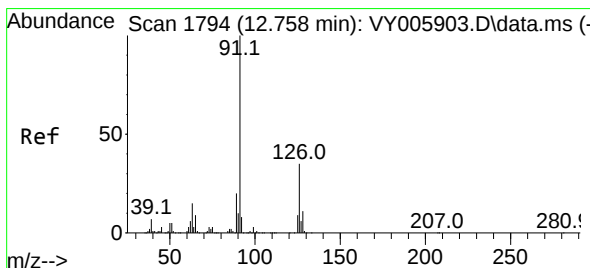
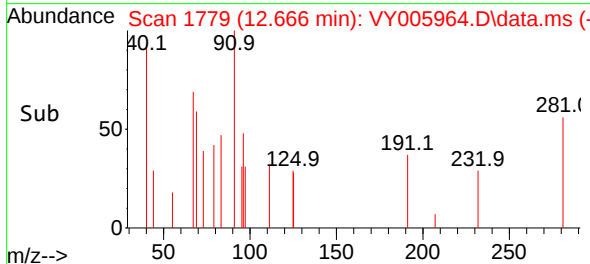
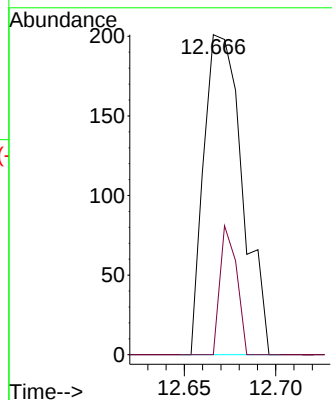
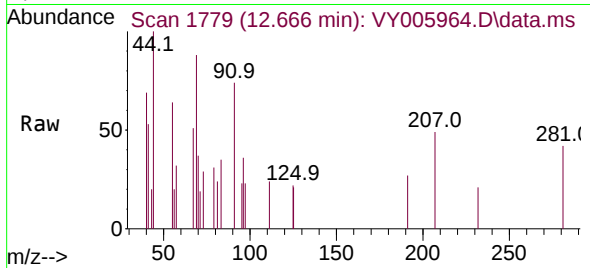




#78
n-propylbenzene
Concen: 24.287 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

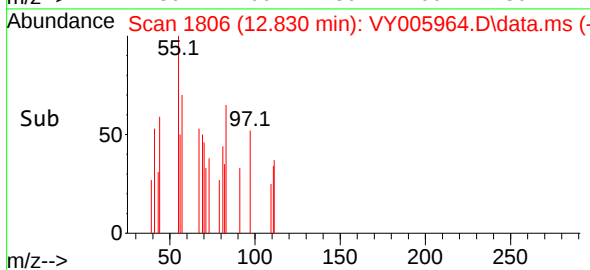
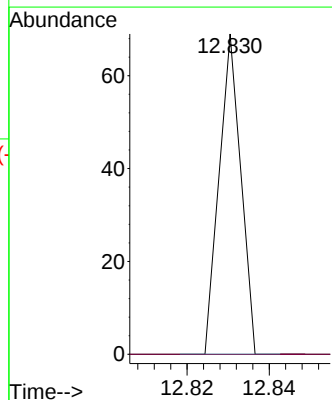
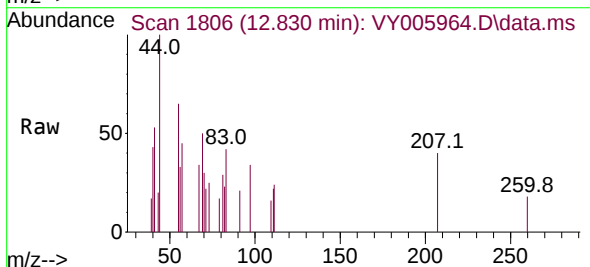
Instrument :
MSVOA_Y
ClientSampled :
B-9

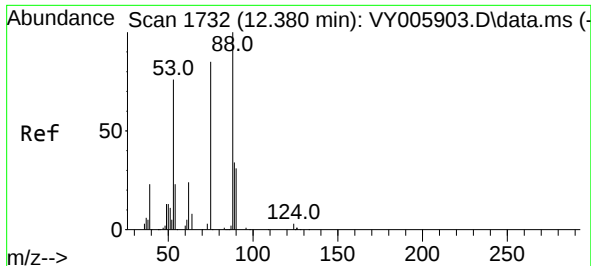
Tgt Ion: 91 Resp: 296
Ion Ratio Lower Upper
91 100
120 17.2 11.9 35.9



#79
2-Chlorotoluene
Concen: 3.685 ug/l
RT: 12.830 min Scan# 1806
Delta R.T. 0.073 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#

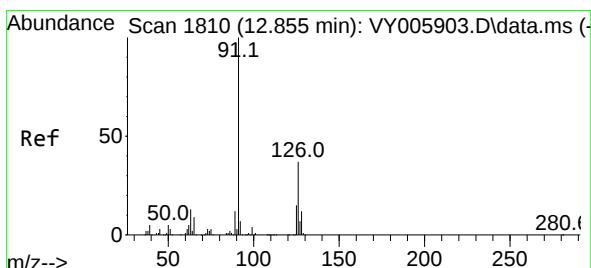
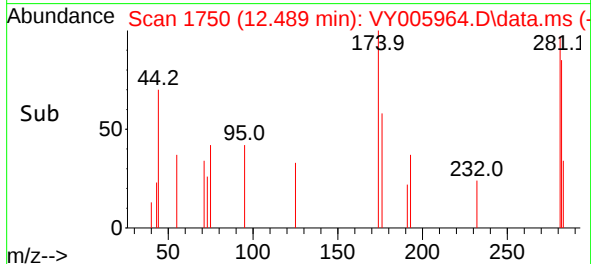
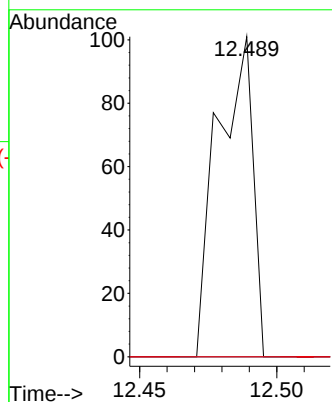
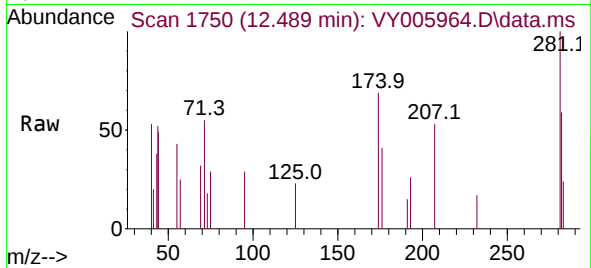




#81
trans-1,4-Dichloro-2-butene
Concen: 119.523 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

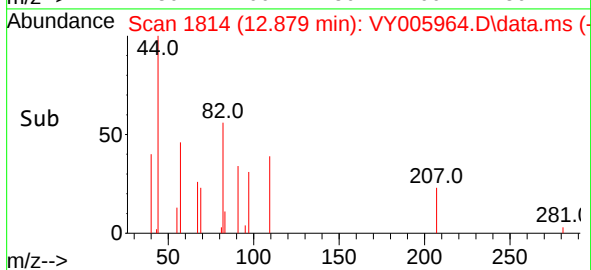
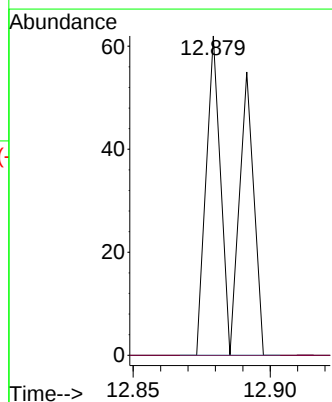
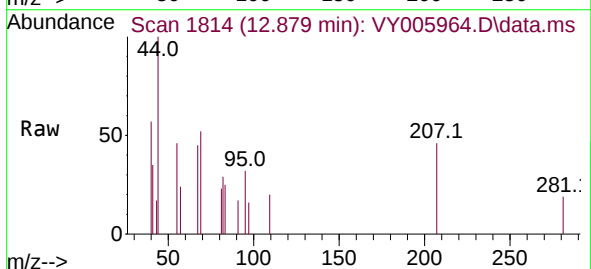
Instrument :
MSVOA_Y
ClientSampled :
B-9

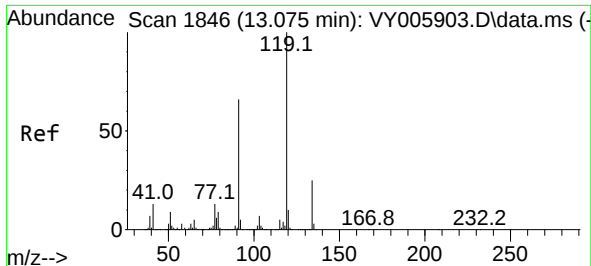
Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 6.041 ug/l
RT: 12.879 min Scan# 1814
Delta R.T. 0.024 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 91 Resp: 43
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#

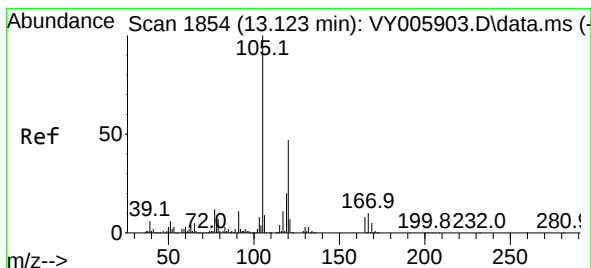
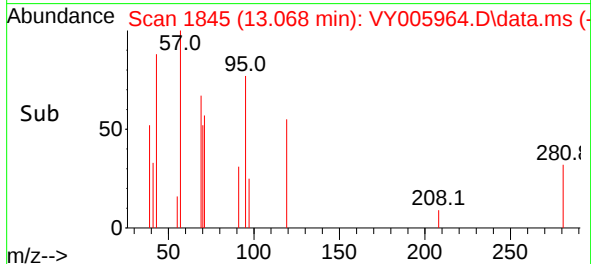
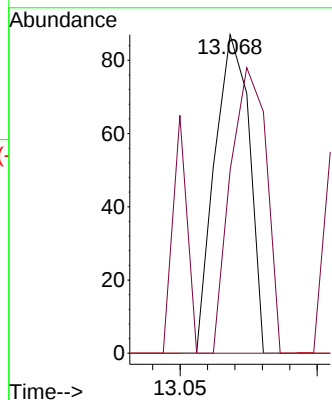
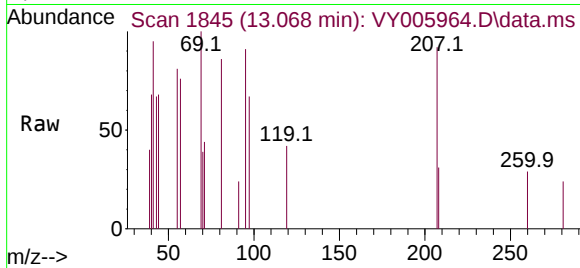




#83
tert-Butylbenzene
Concen: 10.177 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

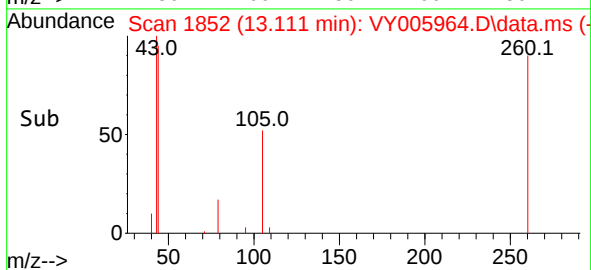
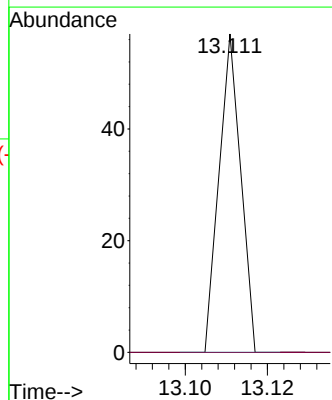
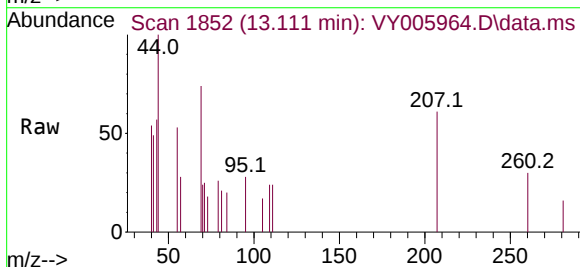
Instrument :
MSVOA_Y
ClientSampled :
B-9

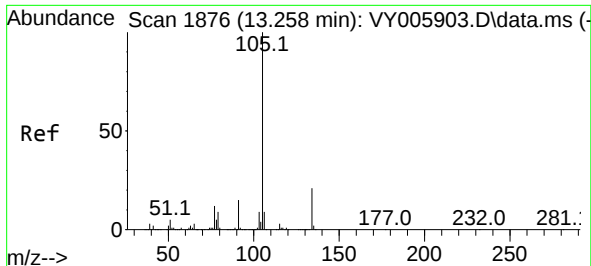
Tgt Ion:119	Resp:	76
Ion	Ratio	Lower Upper
119	100	
91	93.4	32.4 97.0
134	0.0	13.5 40.5#



#84
1,2,4-Trimethylbenzene
Concen: 2.478 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.012 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion:105	Resp:	21
Ion	Ratio	Lower Upper
105	100	
120	0.0	23.3 69.9#

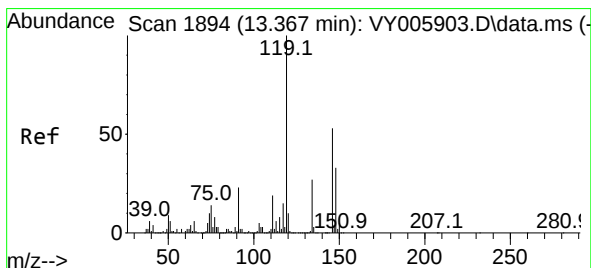
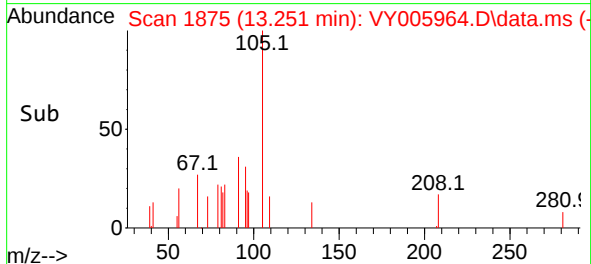
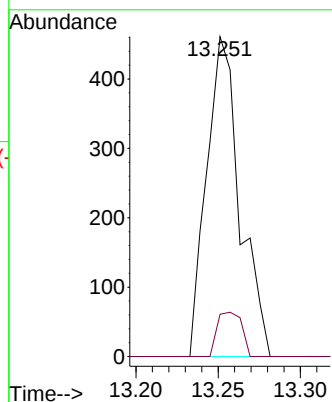
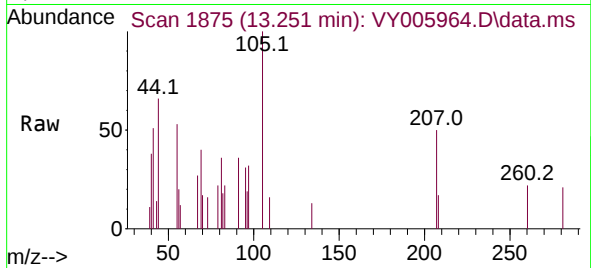




#85
 sec-Butylbenzene
 Concen: 58.872 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY005964.D
 Acq: 08 Sep 2021 14:10

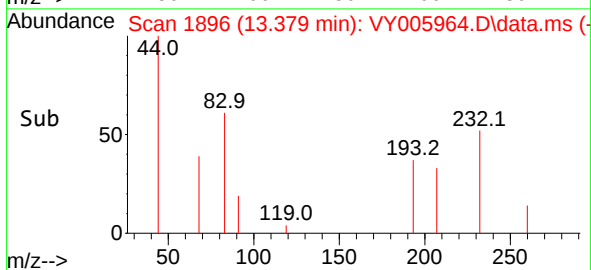
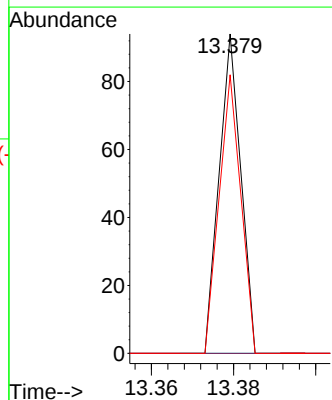
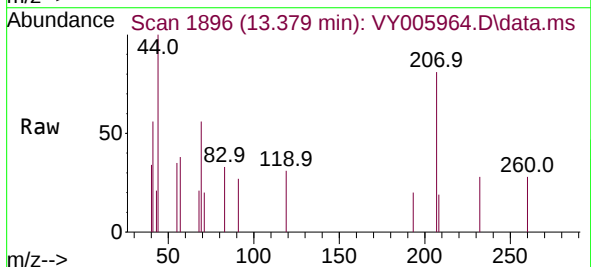
Instrument :
 MSVOA_Y
 ClientSampled :
 B-9

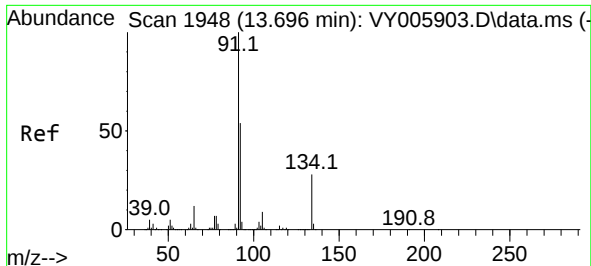
Tgt Ion:105 Resp: 648
 Ion Ratio Lower Upper
 105 100
 134 10.2 10.8 32.3#



#86
 p-Isopropyltoluene
 Concen: 3.565 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.012 min
 Lab File: VY005964.D
 Acq: 08 Sep 2021 14:10

Tgt Ion:119 Resp: 34
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.7 41.1#
 91 88.2 11.4 34.2#

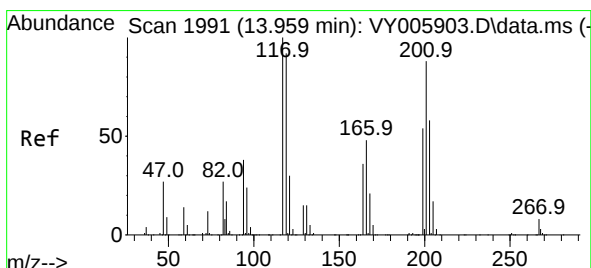
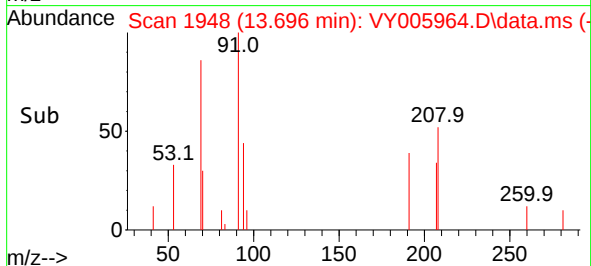
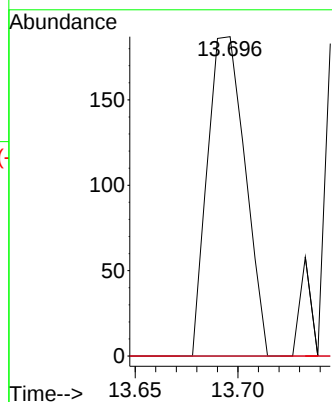
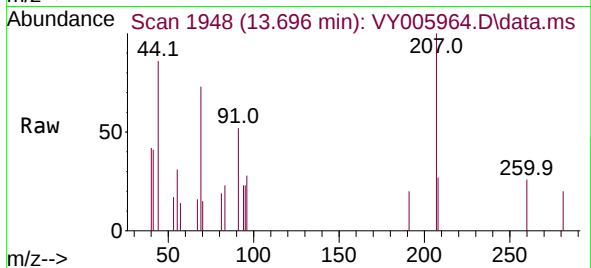




#89
n-Butylbenzene
Concen: 27.890 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

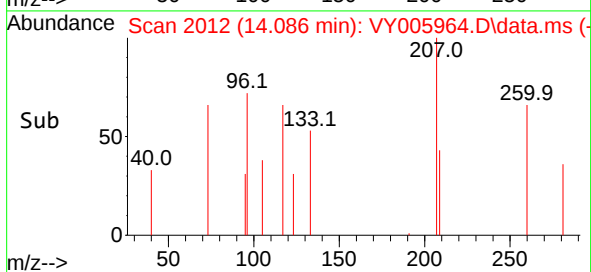
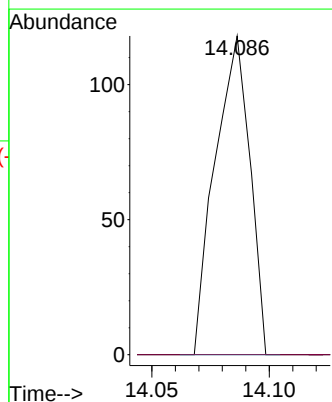
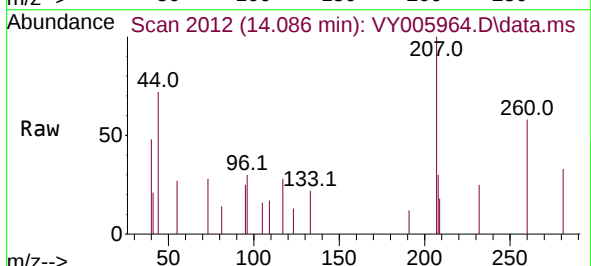
Instrument :
MSVOA_Y
ClientSampled :
B-9

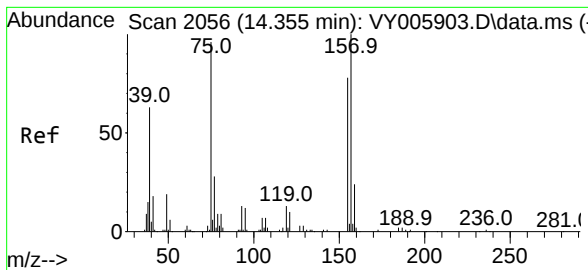
Tgt Ion: 91 Resp: 238
Ion Ratio Lower Upper
91 100
92 0.0 26.7 80.0#
134 0.0 14.1 42.2#



#90
Hexachloroethane
Concen: 69.908 ug/l
RT: 14.086 min Scan# 2012
Delta R.T. 0.128 min
Lab File: VY005964.D
Acq: 08 Sep 2021 14:10

Tgt Ion: 117 Resp: 121
Ion Ratio Lower Upper
117 100
201 0.0 47.2 141.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.694 ug/l
 RT: 14.519 min Scan# 2083
 Delta R.T. 0.164 min
 Lab File: VY005964.D
 Acq: 08 Sep 2021 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-9

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

