

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005352.D
 Acq On : 02 Jul 2021 19:25
 Operator : SY/MD
 Sample : M2933-01
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1

Quant Time: Jul 05 01:08:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

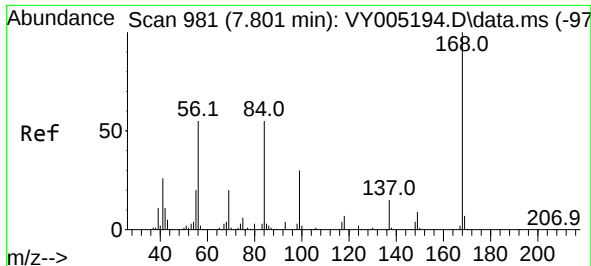
Internal Standards						
1) Pentafluorobenzene	7.801	168	100154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	163315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	162451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	56369	67.822	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.640%			
35) Dibromofluoromethane	7.728	113	53529	55.577	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.160%			
50) Toluene-d8	10.185	98	199725	51.853	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.483	95	65115	50.732	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.460%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	310	Below Cal	#	77
16) Acetone	3.966	43	10623	55.327	ug/l	92
20) Methylene Chloride	4.729	84	5952	Below Cal		95
31) Cyclohexane	7.801	56	2216	1.493	ug/l #	3
38) Carbon Tetrachloride	7.801	117	8500	5.646	ug/l #	16
40) Benzene	8.167	78	5887	1.388	ug/l	98
52) Toluene	10.246	92	18944	6.989	ug/l	99
67) Ethyl Benzene	11.599	91	10056	1.811	ug/l	100
68) m/p-Xylenes	11.703	106	14215	6.390	ug/l	100
69) o-Xylene	12.032	106	6366	3.022	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	32435	45.685	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32435	85.238	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	15042	3.542	ug/l	99
85) sec-Butylbenzene	13.123	105	15042	2.700	ug/l #	54
95) Naphthalene	15.239	128	3919	1.292	ug/l	97

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

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The chromatogram displays a series of peaks corresponding to different chemical compounds. The y-axis represents Abundance, ranging from 0 to 360,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The following table lists the compounds and their approximate retention times:

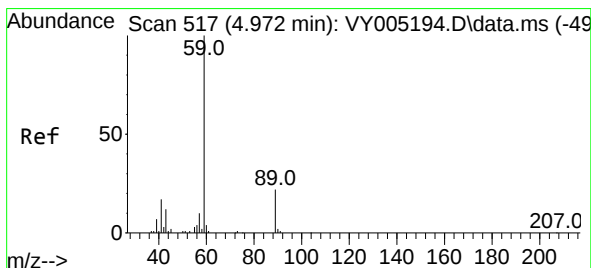
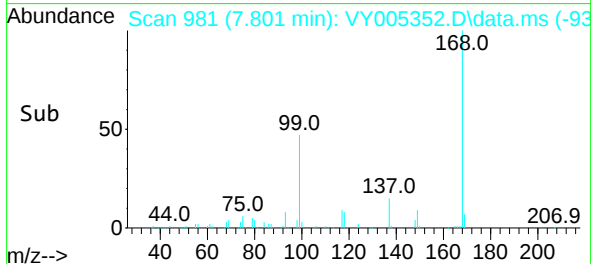
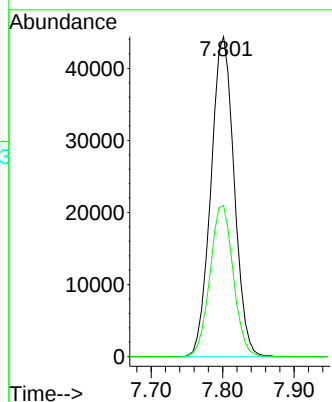
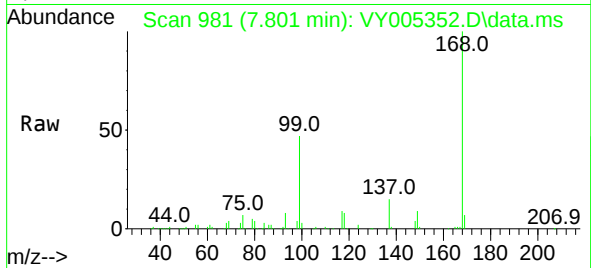
Compound	Approximate Retention Time (min)
Acetone, T	4.00
Dibromodifluoromethane, S	7.80
Benzene, T	8.00
1,2-Dichloroethane-d4, S	8.20
1,4-Difluorobenzene, I	8.80
Toluene, C	10.20
Chlorobenzene-d5, I	11.50
Ethyl Benzene, C	11.80
m/p-Xylenes, T	12.00
o-Xylene, T	12.20
1,2,4-Trichlorobenzene, T	12.50
1,3,5-Trichlorobenzene, T	12.80
1,4-Dichlorobenzene-d4, I	13.50
Naphthalene, T	15.00



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

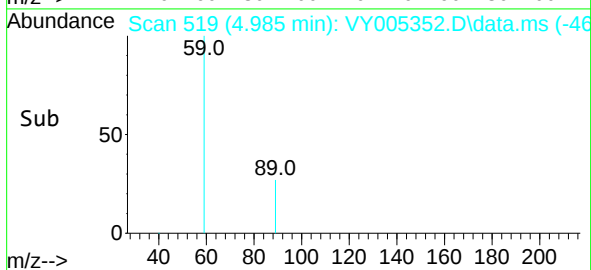
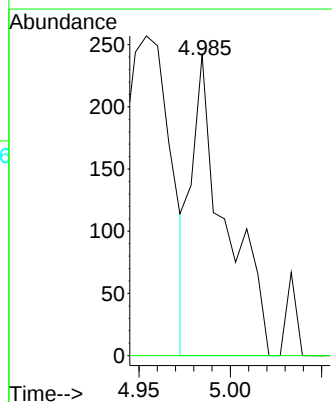
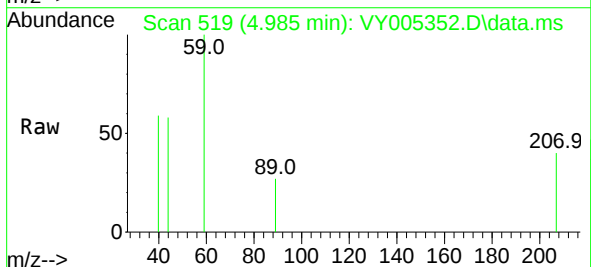
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MSVOA_Y
ClientSampled :
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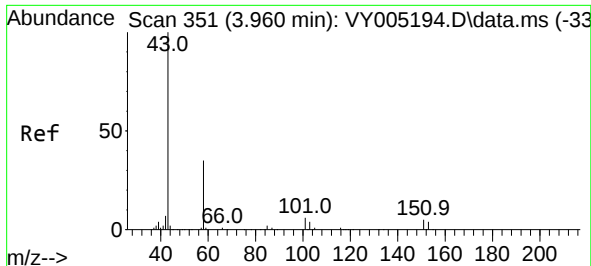
Tgt Ion:168 Resp: 100154
Ion Ratio Lower Upper
168 100
99 47.3 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.985 min Scan# 519
Delta R.T. 0.013 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

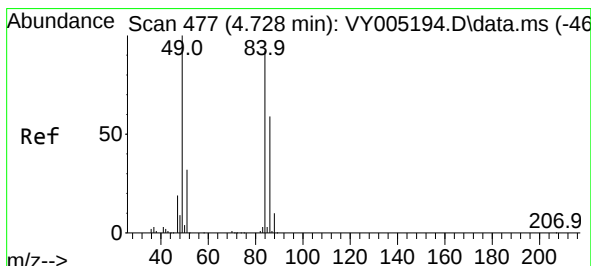
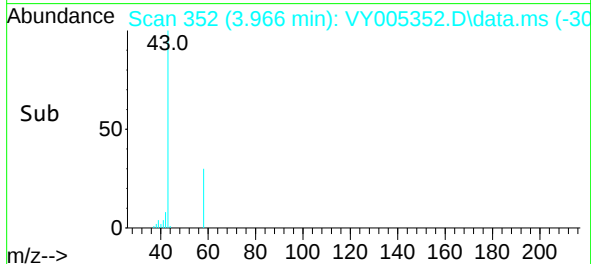
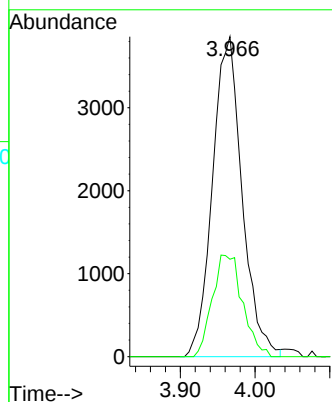
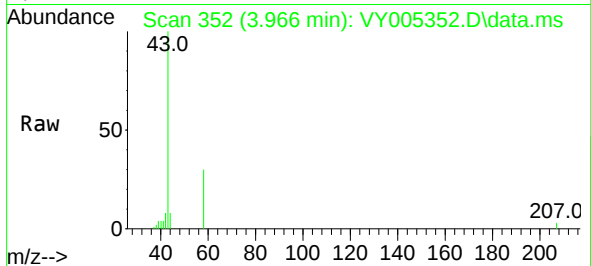




#16
Acetone
Concen: 55.327 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

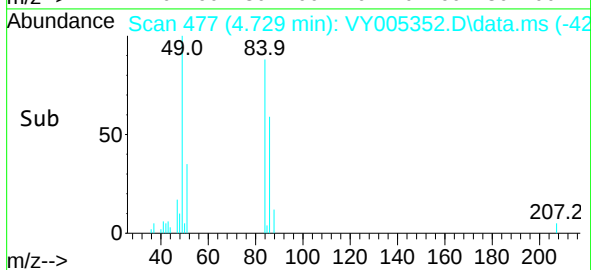
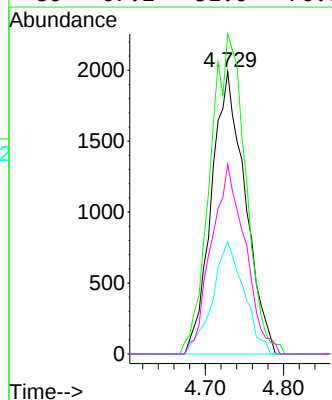
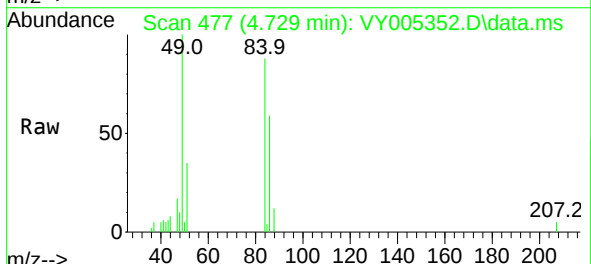
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MSVOA_Y
ClientSampled :
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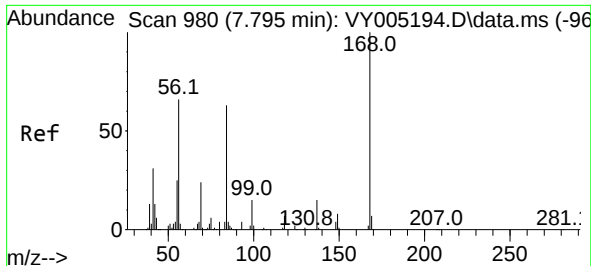
Tgt Ion: 43 Resp: 10623
Ion Ratio Lower Upper
43 100
58 30.5 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 84 Resp: 5952
Ion Ratio Lower Upper
84 100
49 113.4 86.9 130.3
51 39.8 27.4 41.2
86 67.2 51.0 76.6

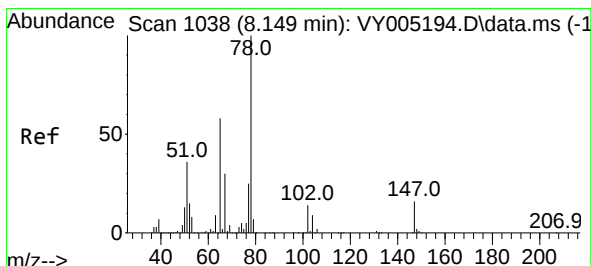
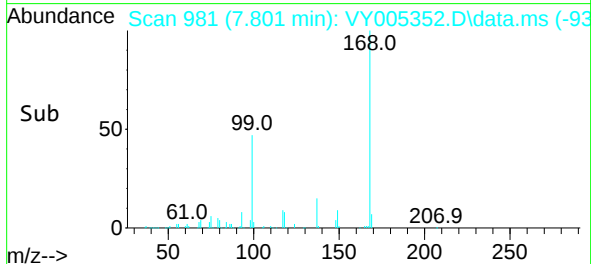
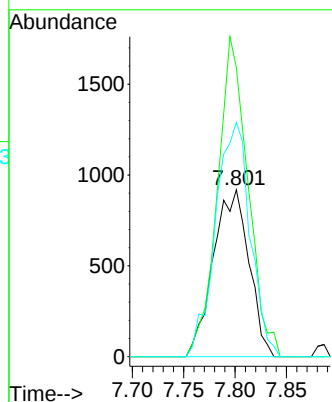
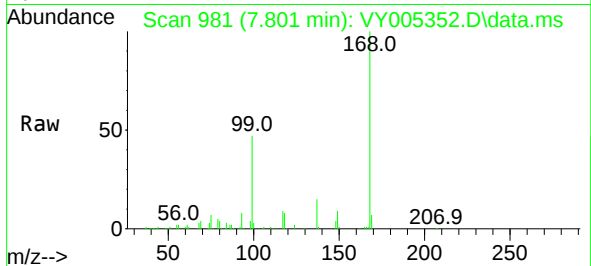




#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

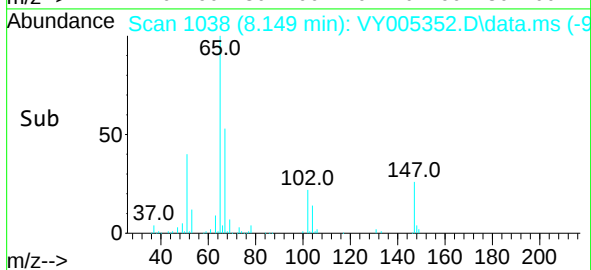
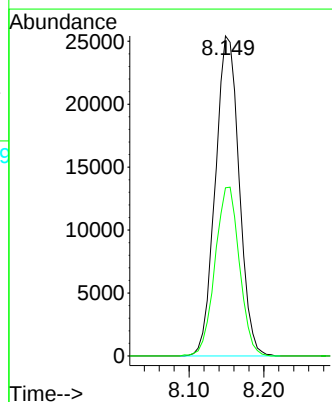
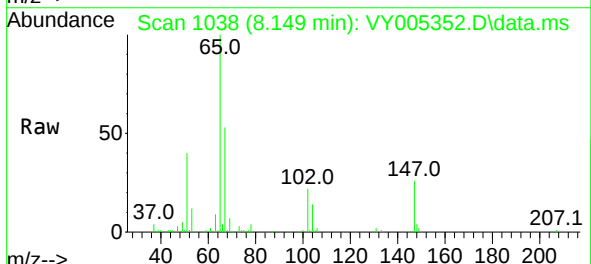
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ClientSampleId :
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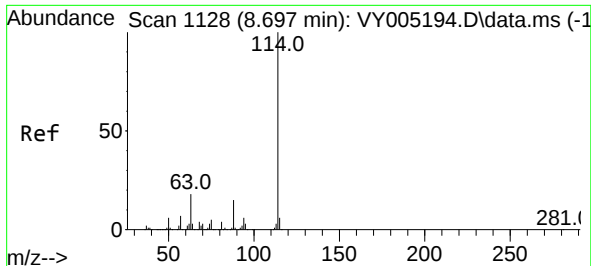
Tgt Ion: 56 Resp: 2216
Ion Ratio Lower Upper
56 100
69 173.1 29.6 44.4#
84 140.5 76.4 114.6#



#33
1,2-Dichloroethane-d4
Concen: 67.822 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 65 Resp: 56369
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.6

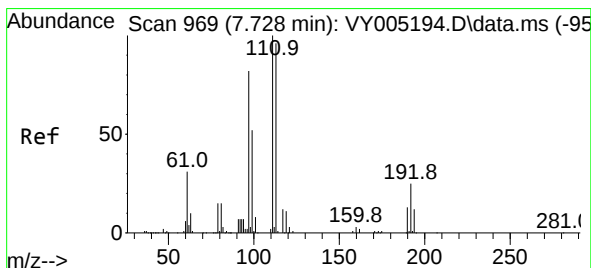
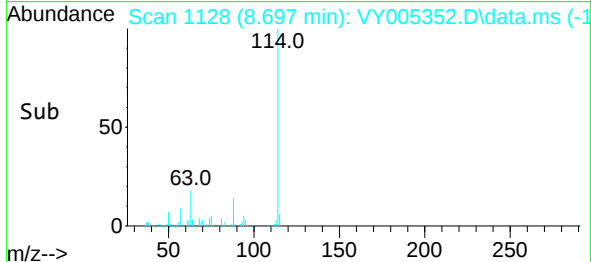
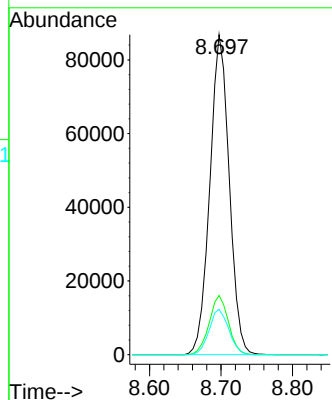
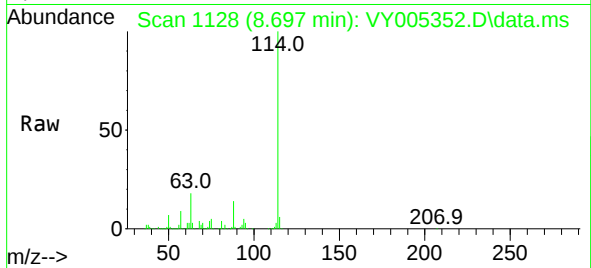




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

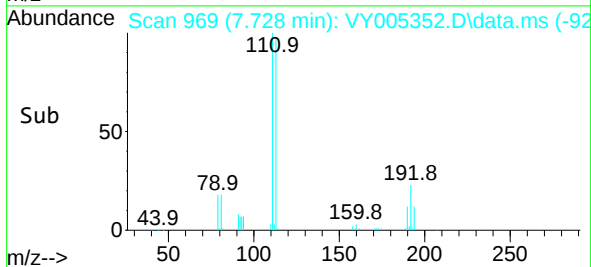
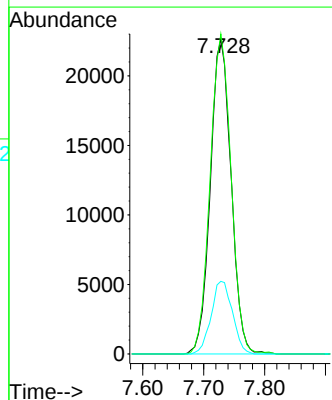
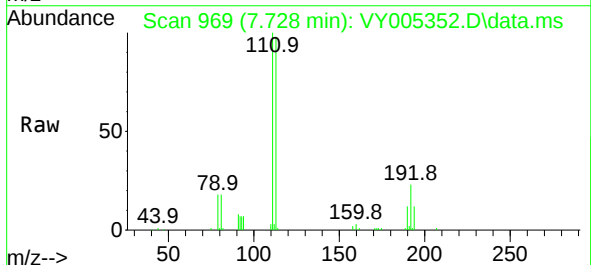
Instrument :
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ClientSampled :
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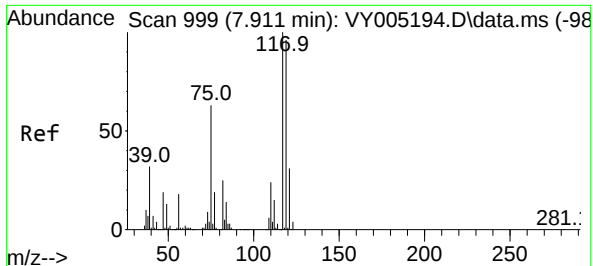
Tgt Ion:	114	Resp:	163315
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	35.2
88	14.2	0.0	29.4



#35
Dibromofluoromethane
Concen: 55.577 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion:	113	Resp:	53529
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.6	124.0
192	23.7	20.2	30.2

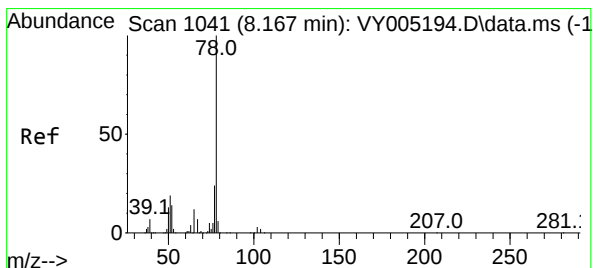
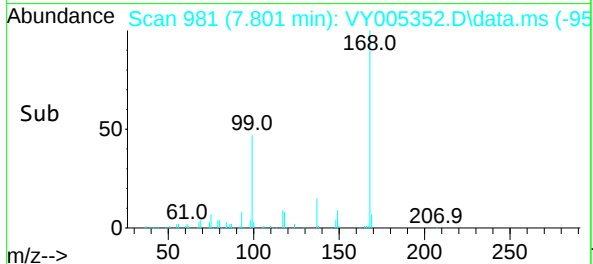
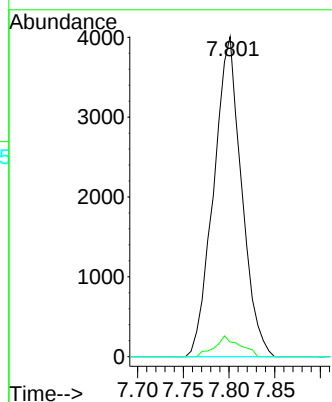
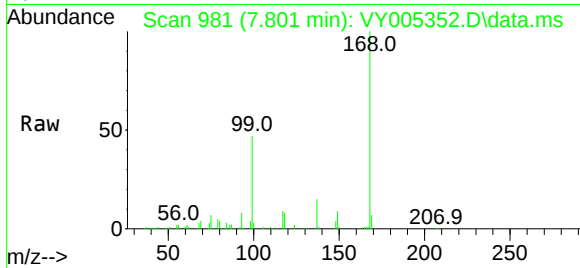




#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

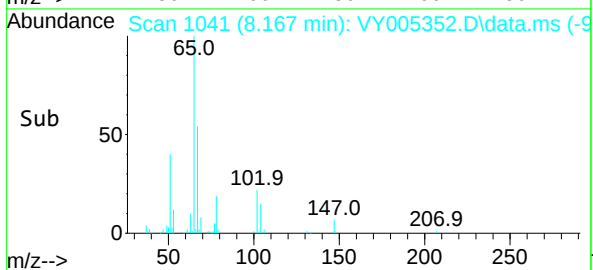
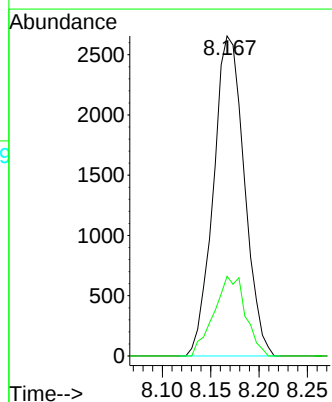
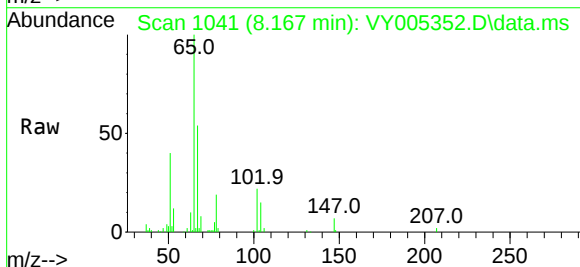
Instrument :
MSVOA_Y
ClientSampled :
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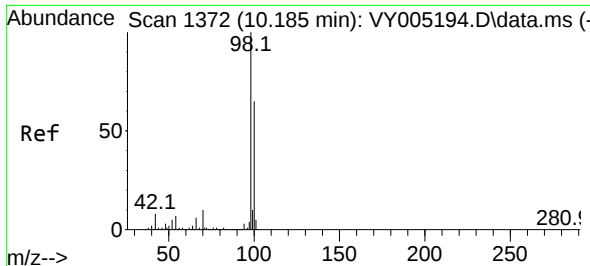
Tgt Ion:117 Resp: 8500
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.4#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.388 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 78 Resp: 5887
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7

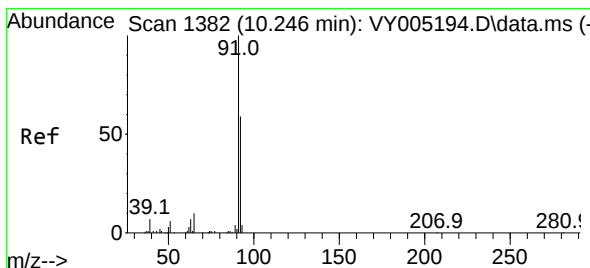
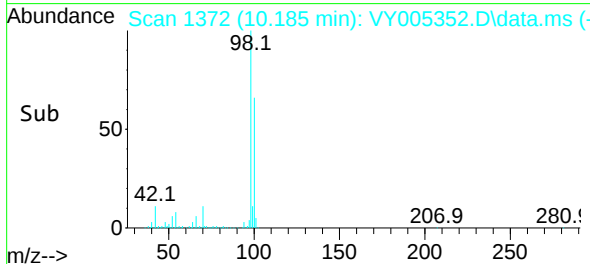
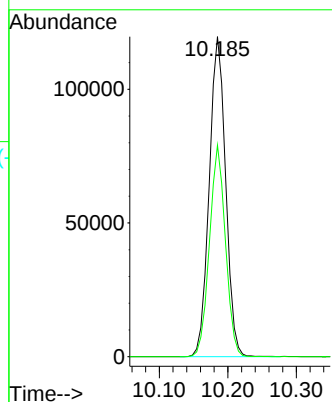
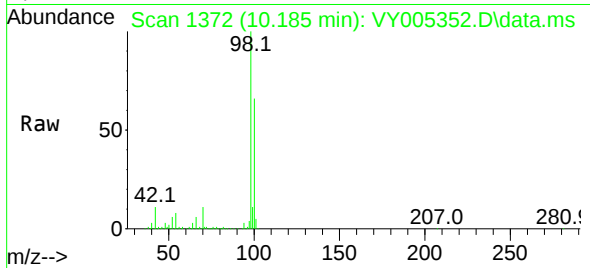




#50
Toluene-d8
Concen: 51.853 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

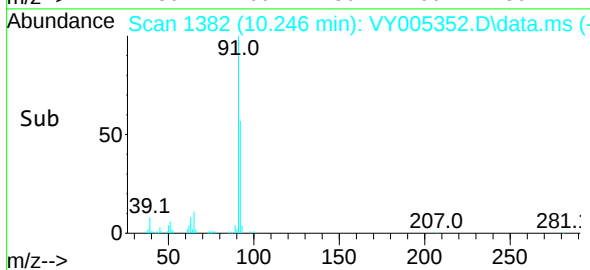
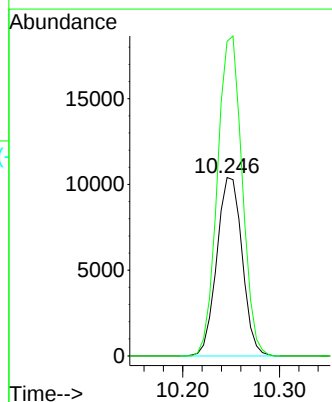
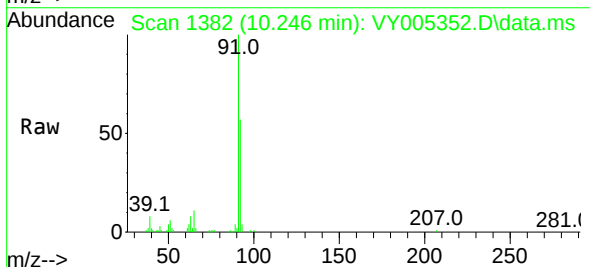
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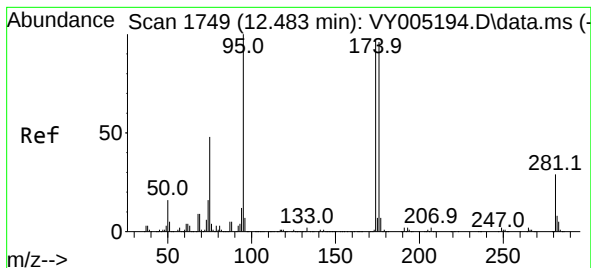
Tgt Ion: 98 Resp: 199725
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#52
Toluene
Concen: 6.989 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 92 Resp: 18944
Ion Ratio Lower Upper
92 100
91 174.8 138.3 207.5

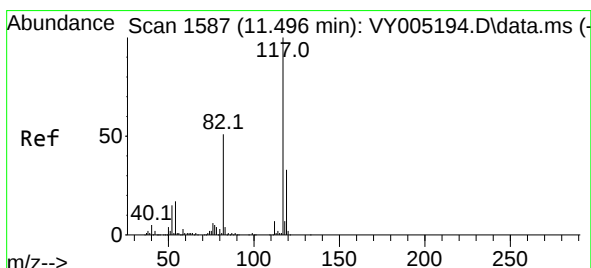
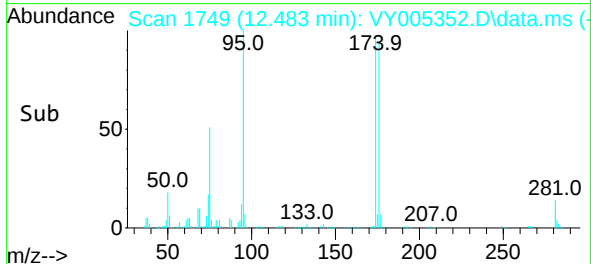
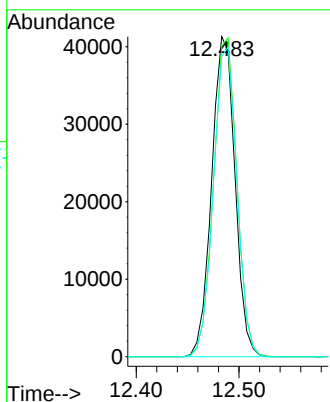
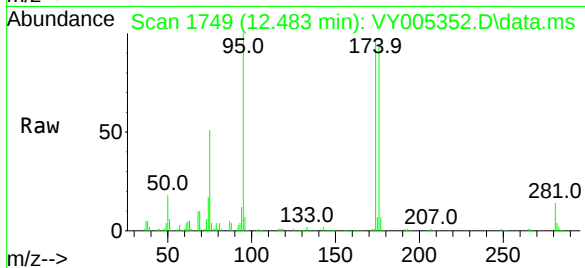




#62
4-Bromofluorobenzene
Concen: 50.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

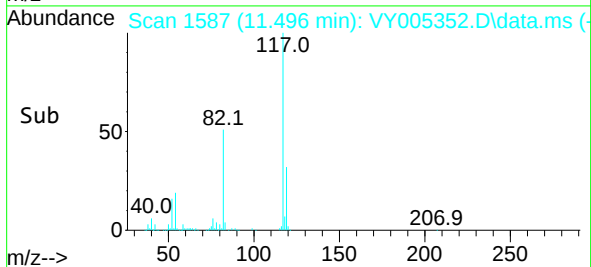
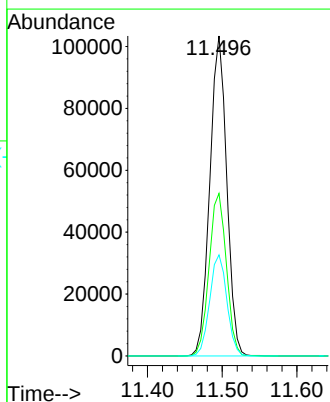
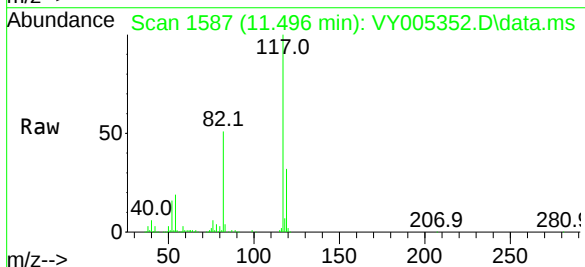
Instrument :
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ClientSampleId :
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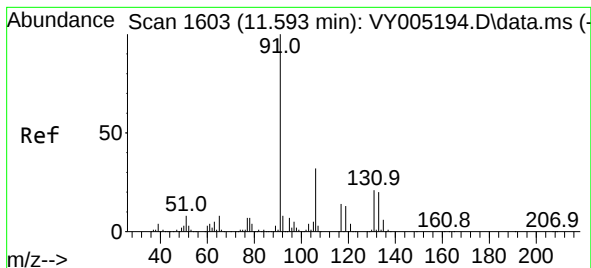
Tgt Ion: 95 Resp: 65115
Ion Ratio Lower Upper
95 100
174 99.4 0.0 201.6
176 97.5 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 117 Resp: 162451
Ion Ratio Lower Upper
117 100
82 50.8 40.6 60.8
119 31.6 26.1 39.1





#67

Ethyl Benzene

Concen: 1.811 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY005352.D

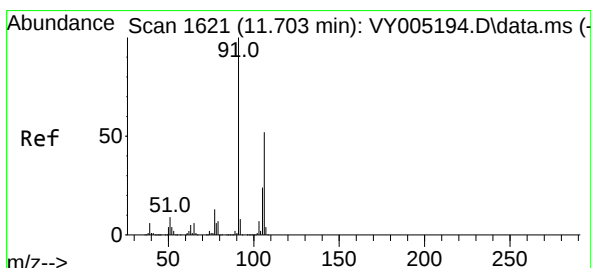
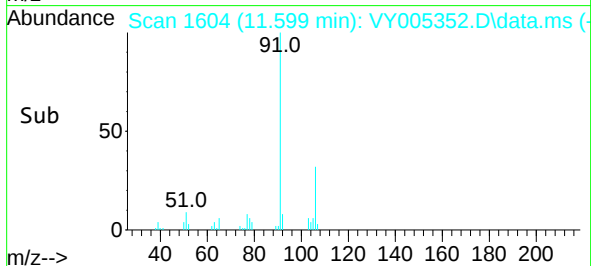
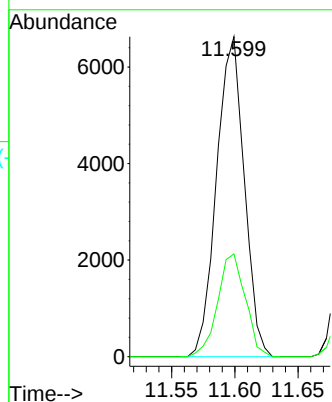
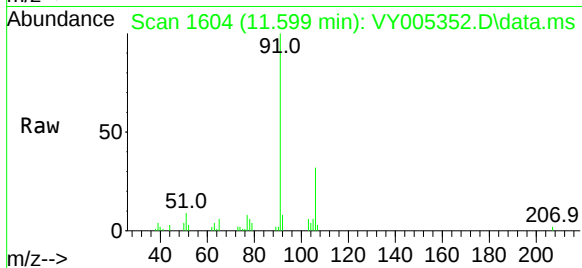
Acq: 02 Jul 2021 19:25

Tgt Ion: 91 Resp: 10056

Ion Ratio Lower Upper

91 100
106 32.1 25.8 38.6

Instrument :
MSVOA_Y
ClientSampled :
1



#68

m/p-Xylenes

Concen: 6.390 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

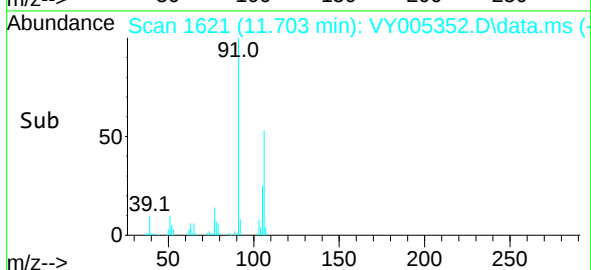
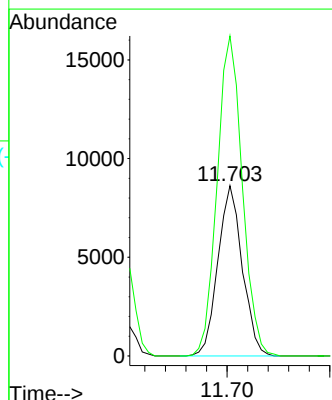
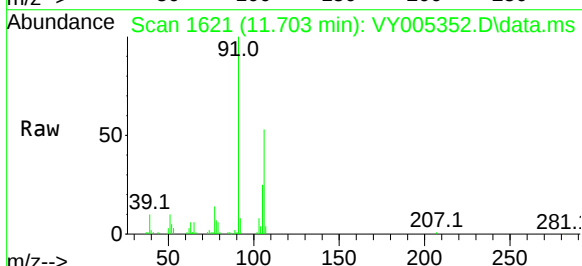
Lab File: VY005352.D

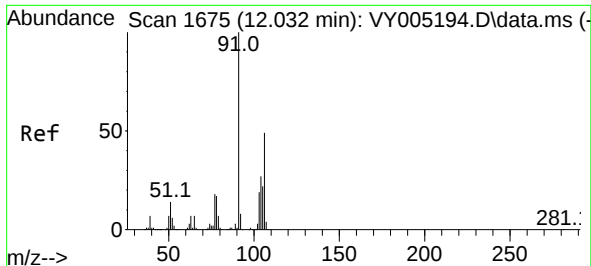
Acq: 02 Jul 2021 19:25

Tgt Ion: 106 Resp: 14215

Ion Ratio Lower Upper

106 100
91 193.5 154.8 232.2

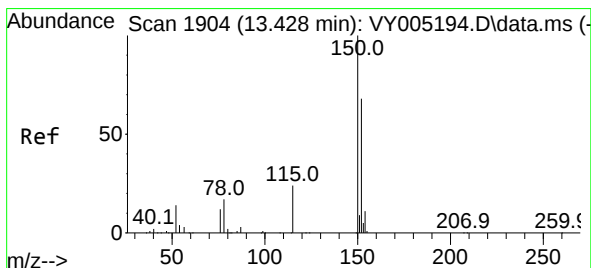
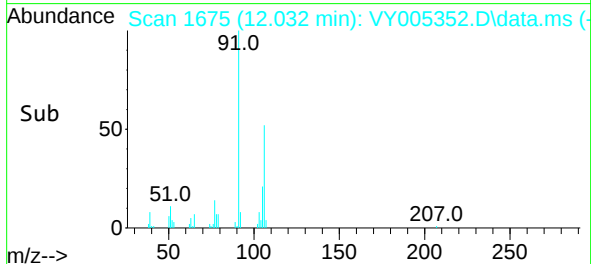
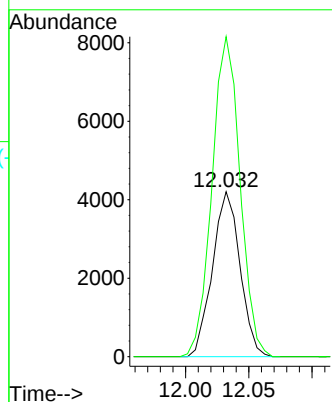
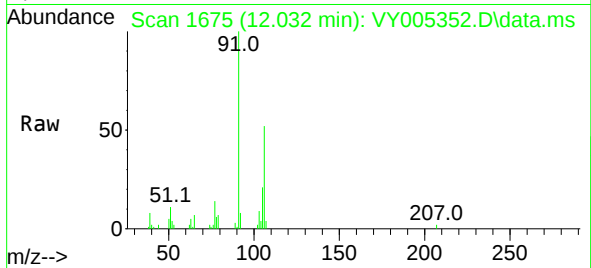




#69
o-Xylene
Concen: 3.022 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

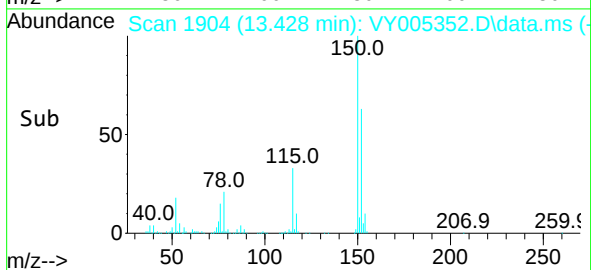
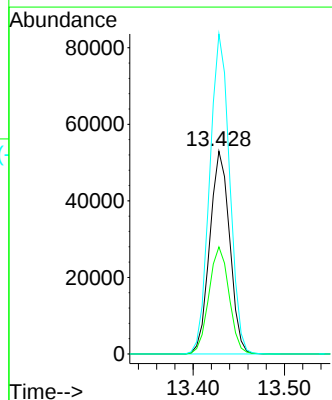
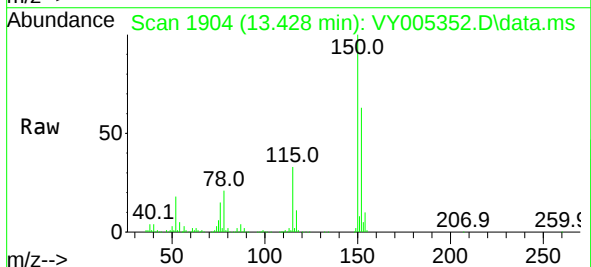
Instrument :
MSVOA_Y
ClientSampled :
1

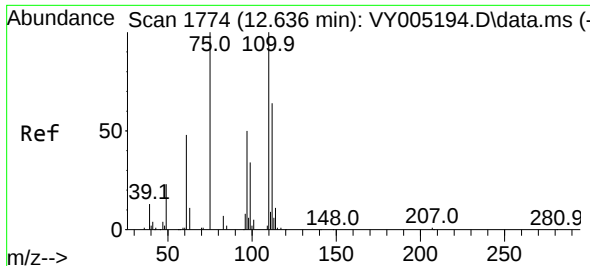
Tgt Ion:106 Resp: 6366
Ion Ratio Lower Upper
106 100
91 197.3 101.6 304.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion:152 Resp: 80052
Ion Ratio Lower Upper
152 100
115 53.4 26.3 78.8
150 158.0 0.0 344.2

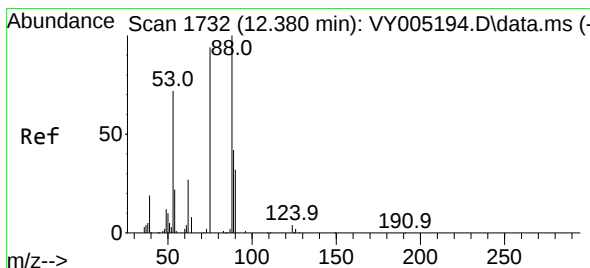
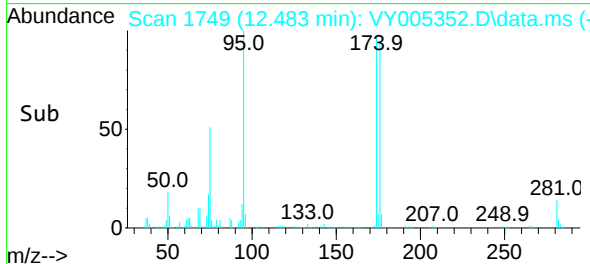
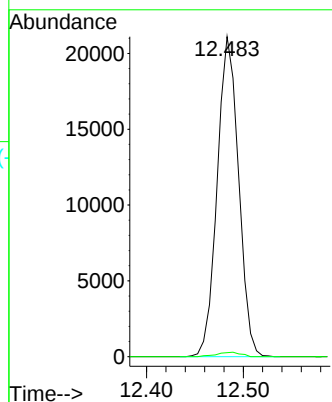
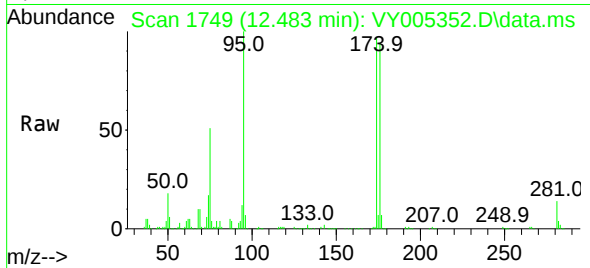




#76
1,2,3-Trichloropropane
Concen: 45.685 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

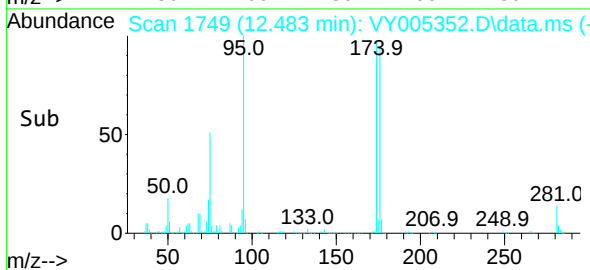
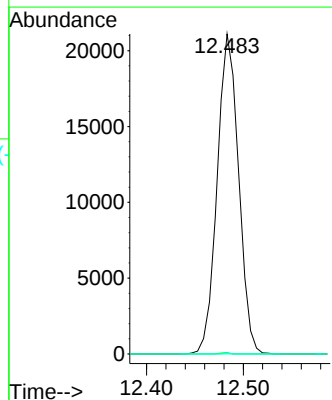
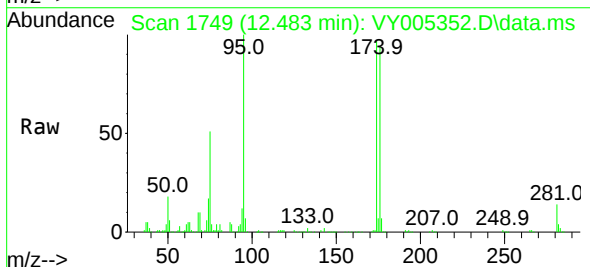
Instrument :
MSVOA_Y
ClientSampled :
1

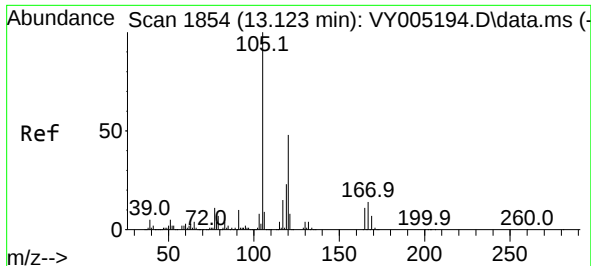
Tgt Ion: 75 Resp: 32435
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.238 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Tgt Ion: 75 Resp: 32435
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.1 38.0 57.0#

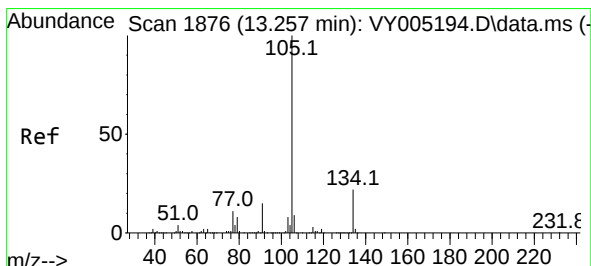
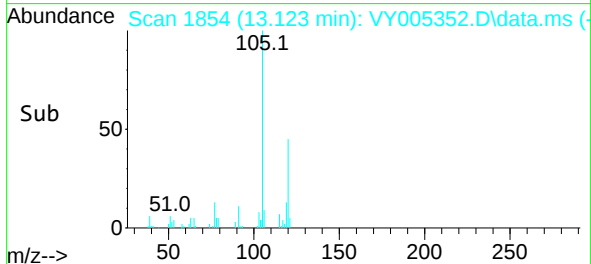
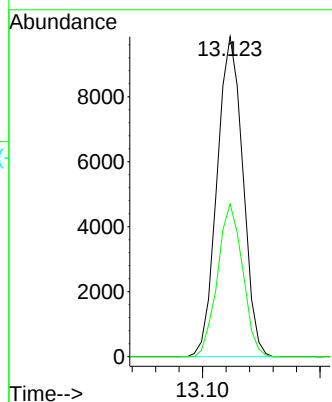
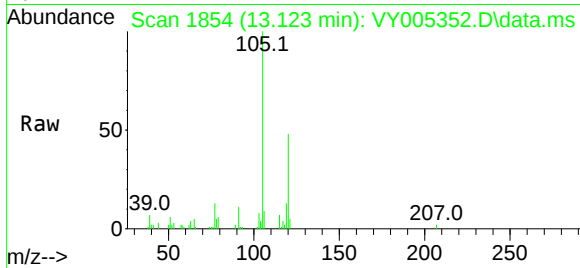




#84
1,2,4-Trimethylbenzene
Concen: 3.542 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

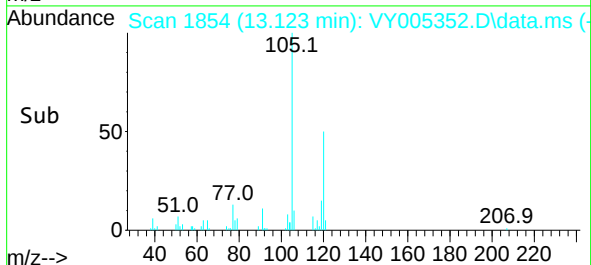
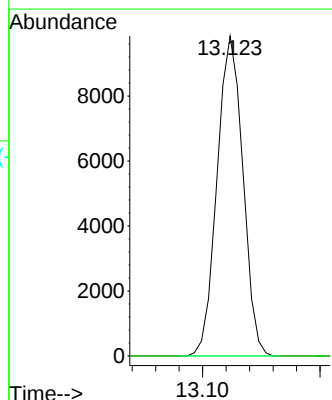
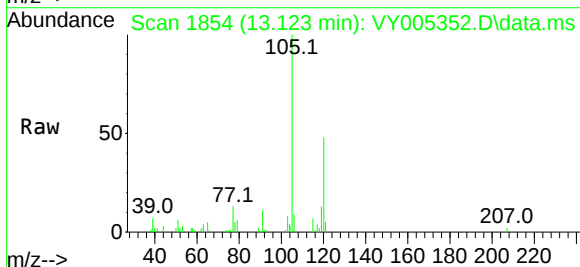
Instrument :
MSVOA_Y
ClientSampled :
1

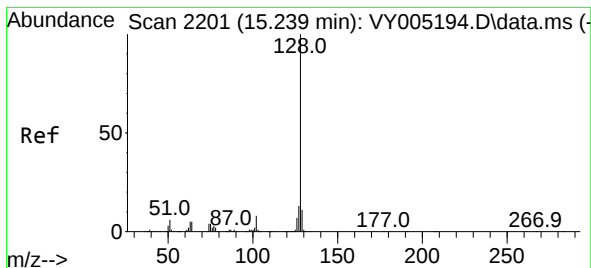
Tgt Ion:105 Resp: 15042
Ion Ratio Lower Upper
105 100
120 46.4 23.6 71.0



#85
sec-Butylbenzene
Concen: 2.700 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

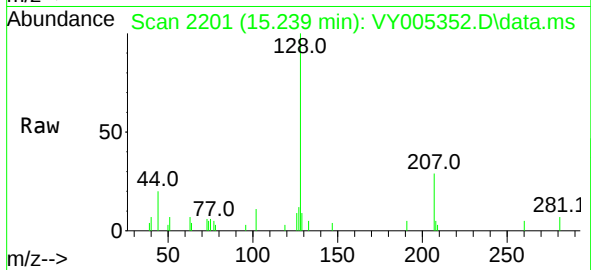
Tgt Ion:105 Resp: 15042
Ion Ratio Lower Upper
105 100
134 0.0 10.9 32.6#





#95
Naphthalene
Concen: 1.292 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005352.D
Acq: 02 Jul 2021 19:25

Instrument :
MSVOA_Y
ClientSampleId :
1



Tgt Ion:	128	Resp:	3919
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	9.4	8.7	13.1

