

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004942.D
 Acq On : 03 Jun 2021 17:22
 Operator : SY/MD
 Sample : M2589-12
 Misc : 11.70G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:18:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

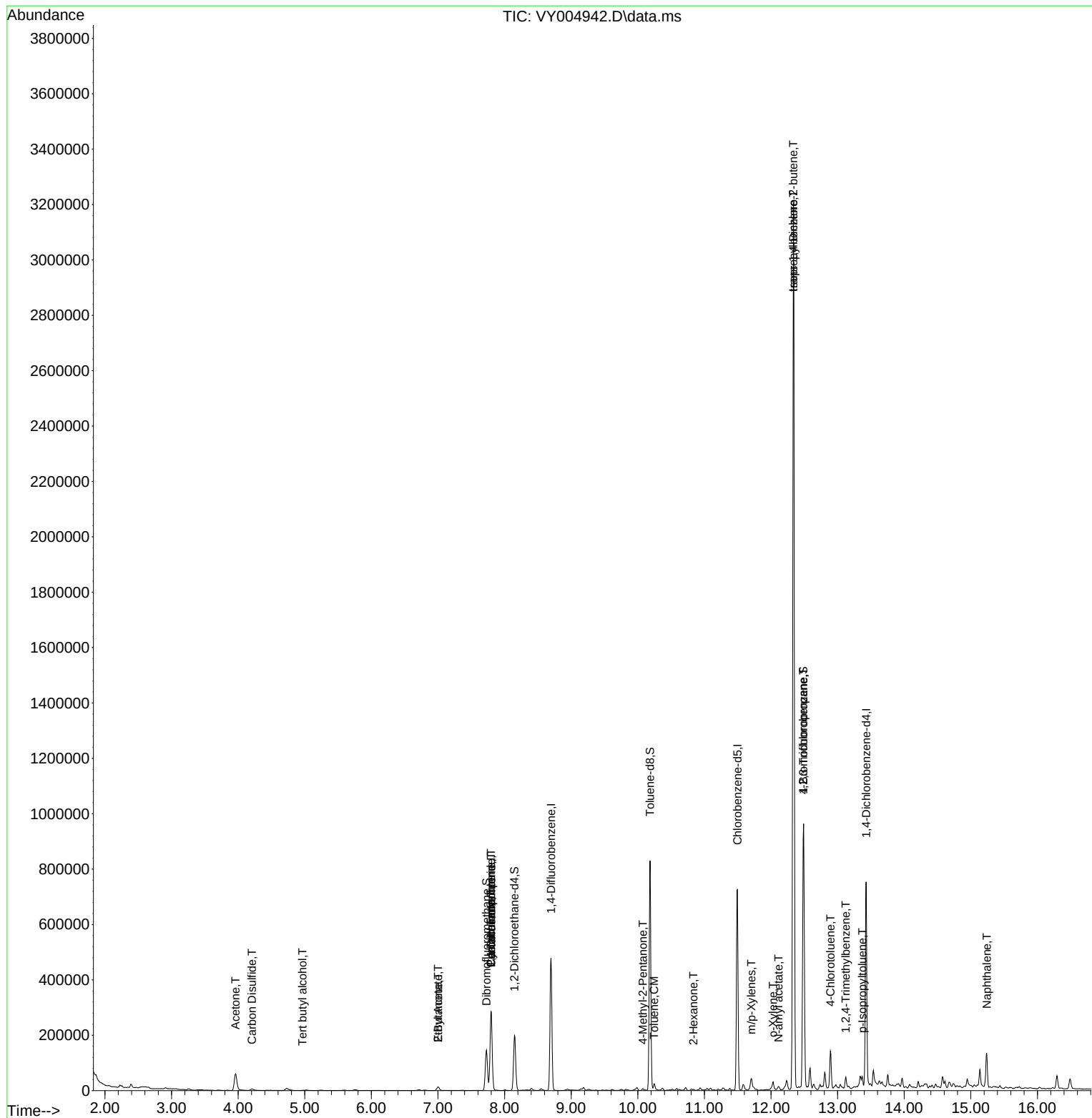
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	214867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	404870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	391145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182156	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	150408	66.21	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.42%
35) Dibromofluoromethane	7.728	113	103922	47.71	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.42%
50) Toluene-d8	10.184	98	515076	56.94	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.88%
62) 4-Bromofluorobenzene	12.483	95	189383	60.87	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	121.74%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1467	5.62	ug/l #	94
13) Acrolein	3.740	56	61	Below	Cal #	78
16) Acetone	3.960	43	111333	203.60	ug/l	97
17) Carbon Disulfide	4.204	76	8434	1.24	ug/l	98
20) Methylene Chloride	4.734	84	5112	Below	Cal	94
25) 2-Butanone	7.002	43	23710	25.79	ug/l	94
31) Cyclohexane	7.795	56	5956	1.49	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	17784	4.49	ug/l #	50
37) Ethyl Acetate	7.002	43	23710	9.10	ug/l #	70
38) Carbon Tetrachloride	7.795	117	21469	6.23	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	4218	1.72	ug/l	99
52) Toluene	10.245	92	8995	1.31	ug/l	95
59) 2-Hexanone	10.837	43	1698	1.02	ug/l	89
68) m/p-Xylenes	11.702	106	9769	1.82	ug/l	97
69) o-Xylene	12.032	106	5764	1.15	ug/l	96
73) Isopropylbenzene	12.336	105	129711	9.43	ug/l #	59
74) N-amyl acetate	12.111	43	6900	1.55	ug/l #	51
76) 1,2,3-Trichloropropane	12.483	75	102764	51.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.336	75	4268	3.93	ug/l #	1
82) 4-Chlorotoluene	12.891	91	15179	1.61	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	21189	1.88	ug/l	95
86) p-Isopropyltoluene	13.373	119	19099	1.59	ug/l	99
95) Naphthalene	15.238	128	100082	14.02	ug/l	99

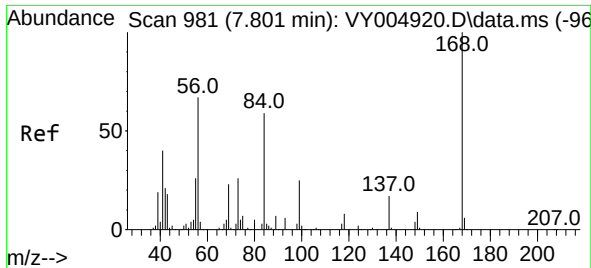
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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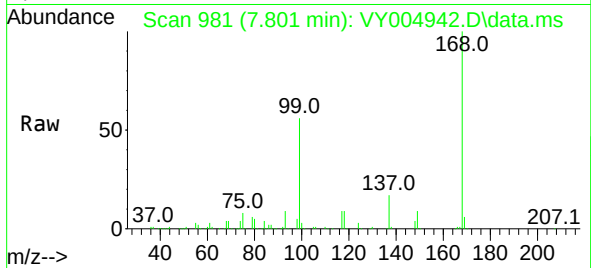
Quant Time: Jun 04 01:18:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 03 04:43:33 2021
Response via : Initial Calibration



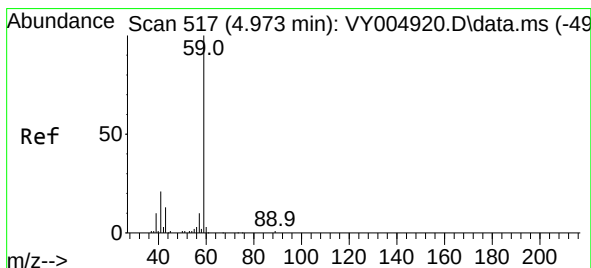
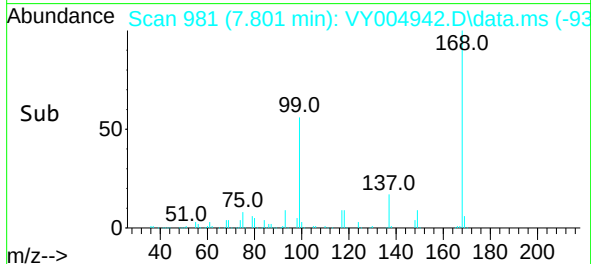
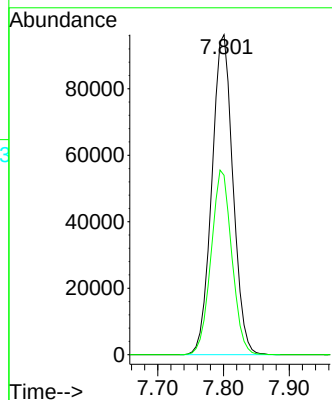


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Instrument :
MSVOA_Y
ClientSampleId :

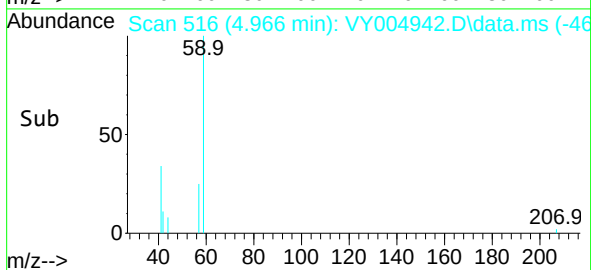
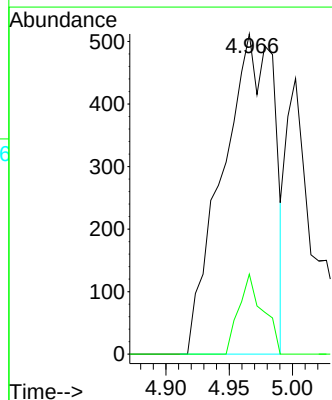
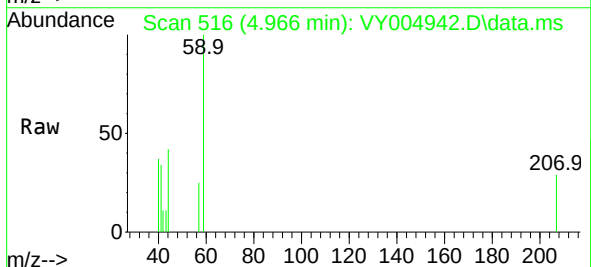


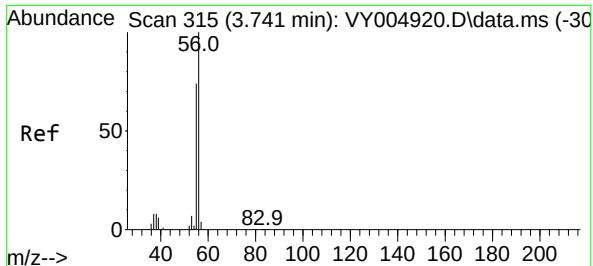
Tgt Ion:168 Resp: 214867
Ion Ratio Lower Upper
168 100
99 56.1 43.9 65.9



#11
Tert butyl alcohol
Concen: 5.62 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.007 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 59 Resp: 1467
Ion Ratio Lower Upper
59 100
57 11.7 7.7 11.5#

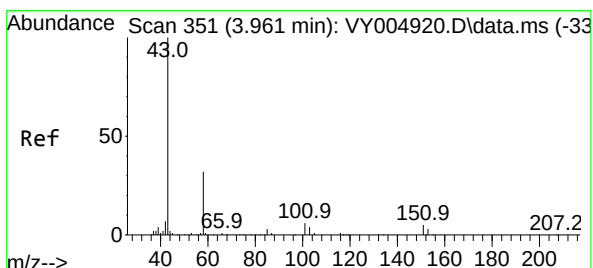
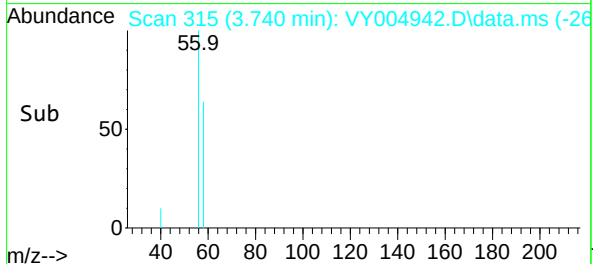
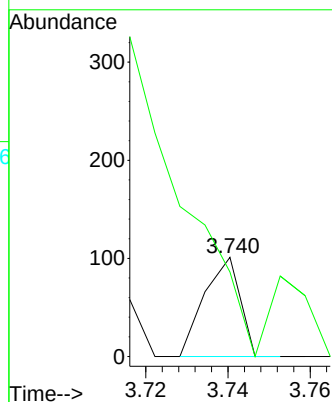
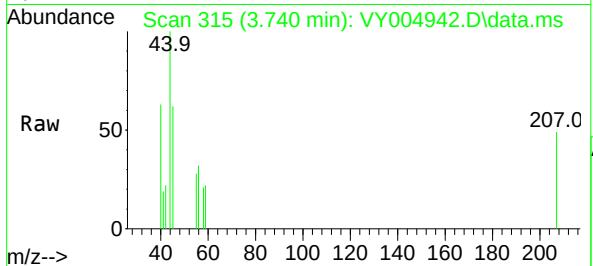




#13
Acrolein
Concen: Below Cal
RT: 3.740 min Scan# 315
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

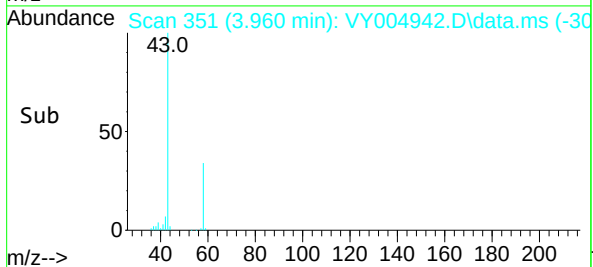
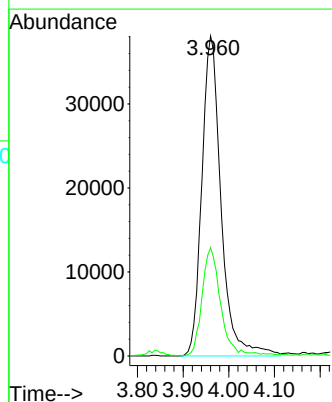
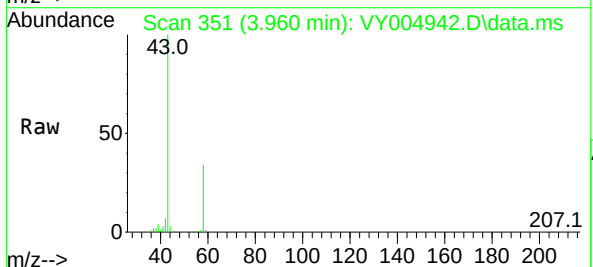
Instrument :
MSVOA_Y
ClientSampled :

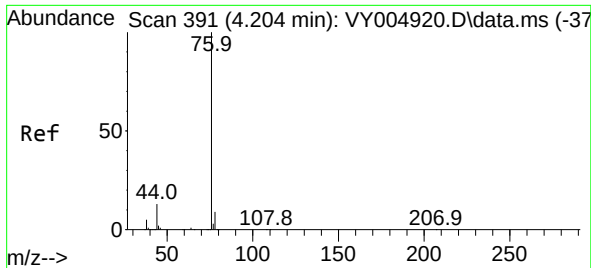
Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 86.9 55.4 83.2#



#16
Acetone
Concen: 203.60 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 43 Resp: 111333
Ion Ratio Lower Upper
43 100
58 33.5 25.3 37.9

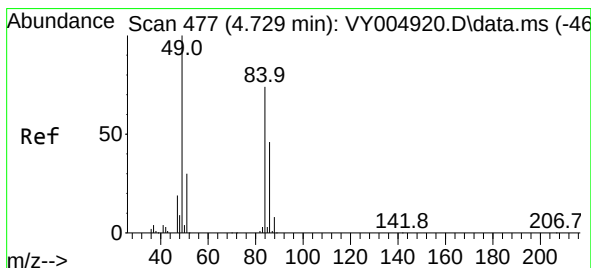
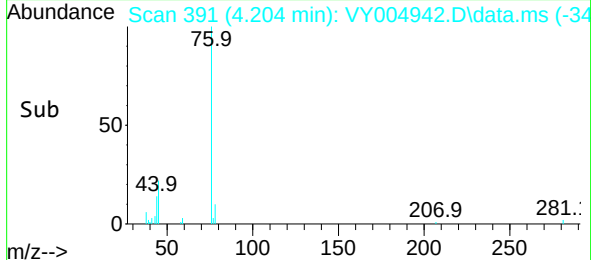
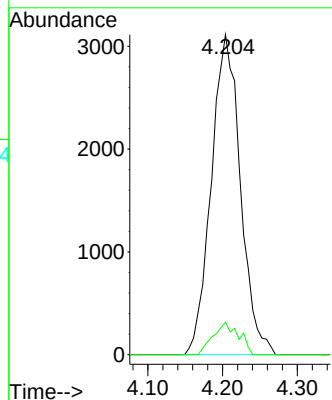
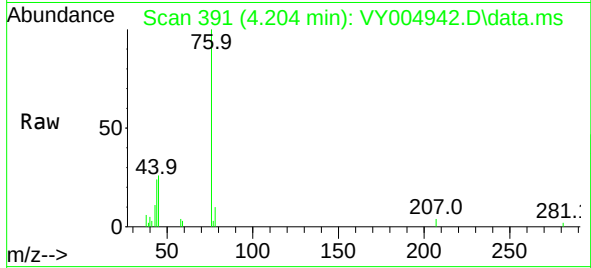




#17
Carbon Disulfide
Concen: 1.24 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

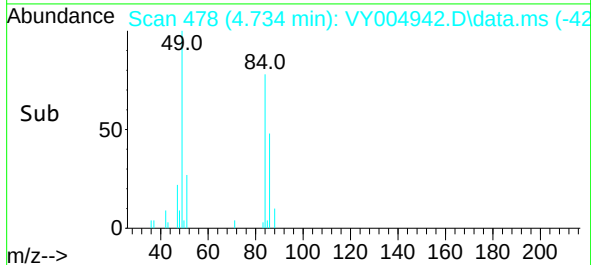
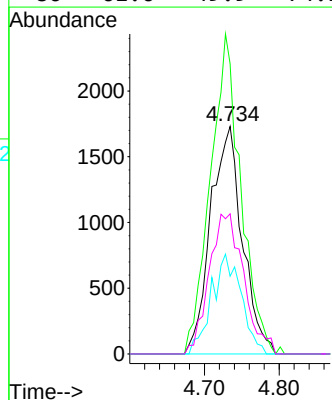
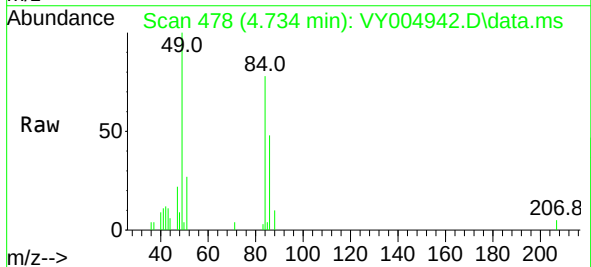
Instrument :
MSVOA_Y
ClientSampled :

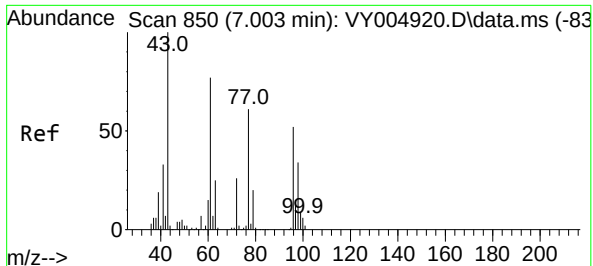
Tgt Ion: 76 Resp: 8434
Ion Ratio Lower Upper
76 100
78 10.2 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. 0.005 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 84 Resp: 5112
Ion Ratio Lower Upper
84 100
49 127.5 108.0 162.0
51 34.2 32.6 48.8
86 61.6 49.9 74.9

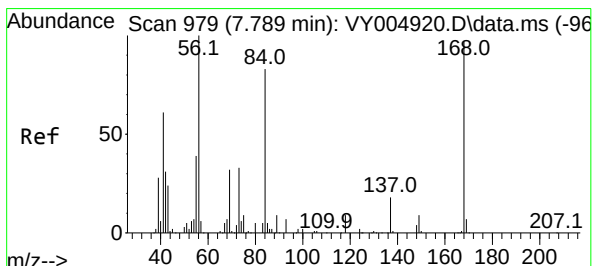
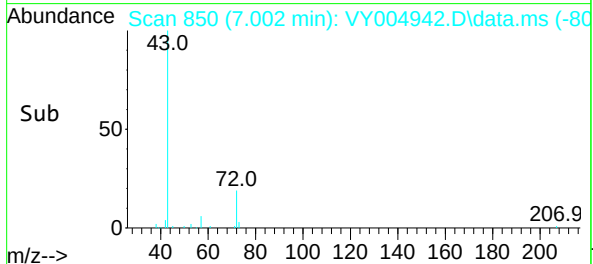
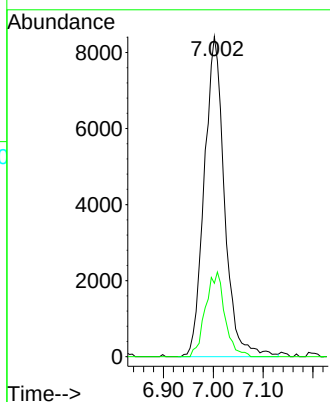
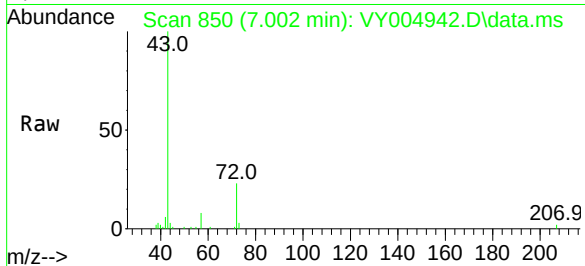




#25
2-Butanone
Concen: 25.79 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

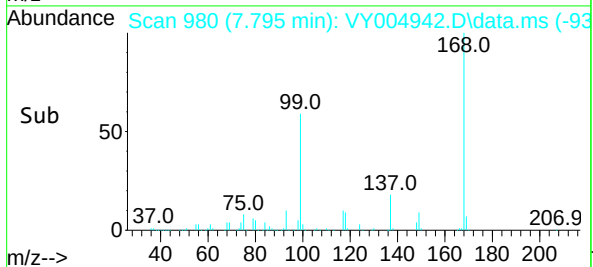
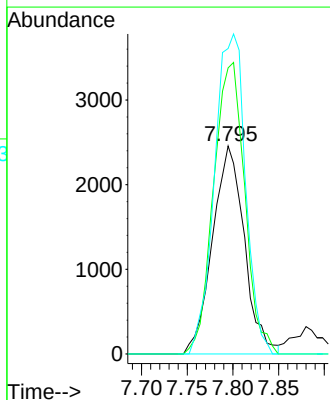
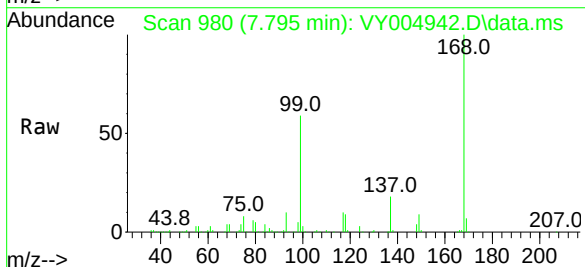
Instrument :
MSVOA_Y
ClientSampled :

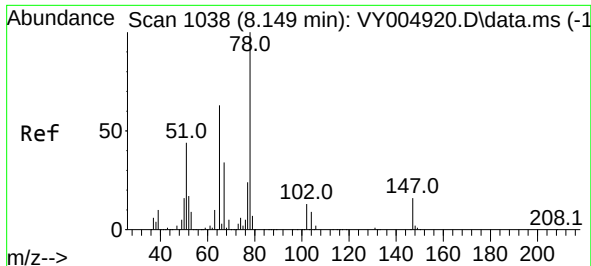
Tgt Ion: 43 Resp: 23710
Ion Ratio Lower Upper
43 100
72 22.9 20.6 31.0



#31
Cyclohexane
Concen: 1.49 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 56 Resp: 5956
Ion Ratio Lower Upper
56 100
69 137.5 25.3 37.9#
84 146.8 66.2 99.4#

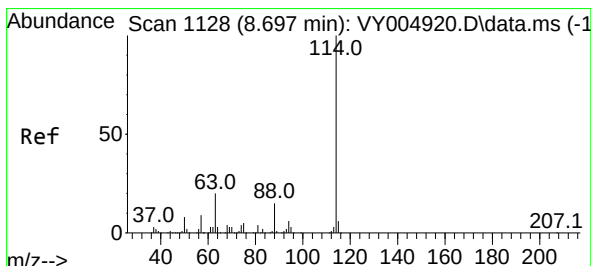
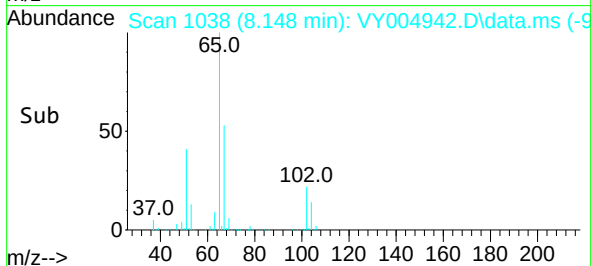
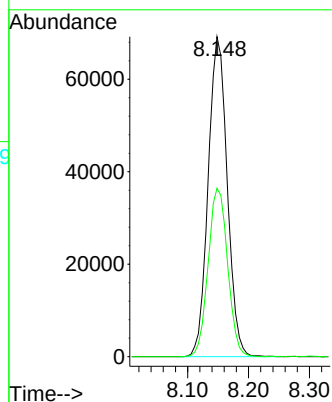
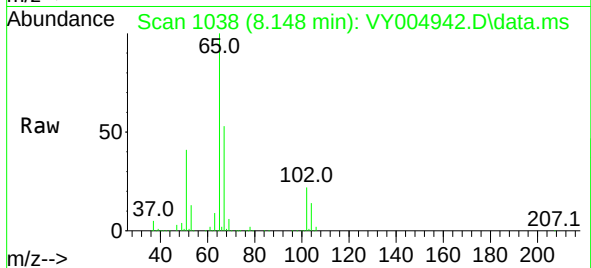




#33
1,2-Dichloroethane-d4
Concen: 66.21 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

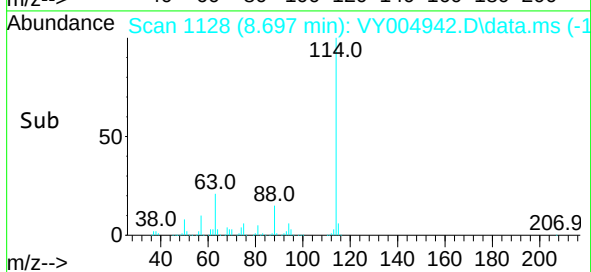
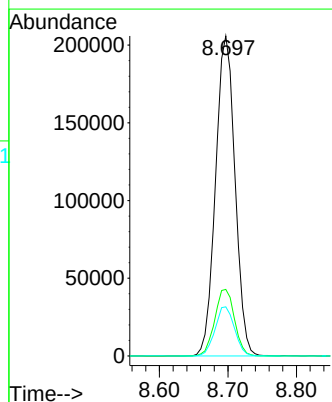
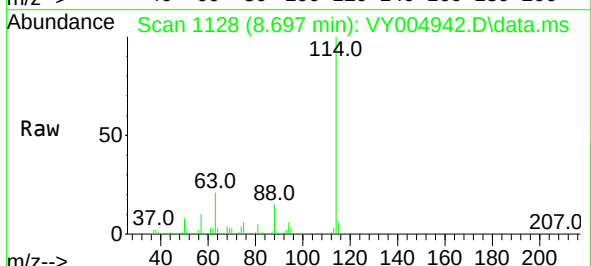
Instrument :
MSVOA_Y
ClientSampled :

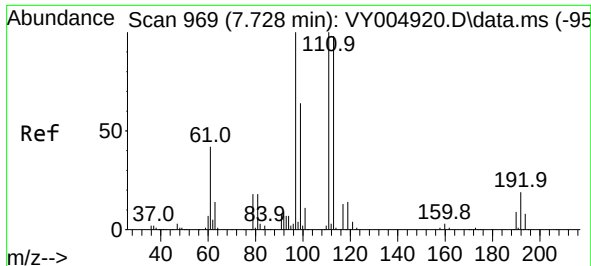
Tgt Ion: 65 Resp: 150408
Ion Ratio Lower Upper
65 100
67 53.8 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 114 Resp: 404870
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 15.4 0.0 30.6

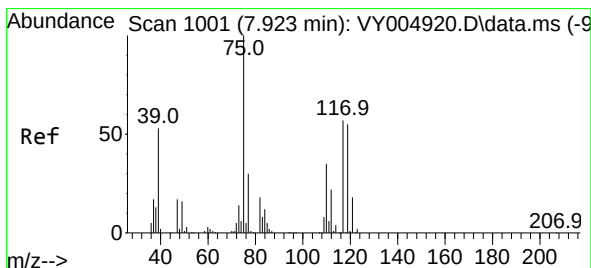
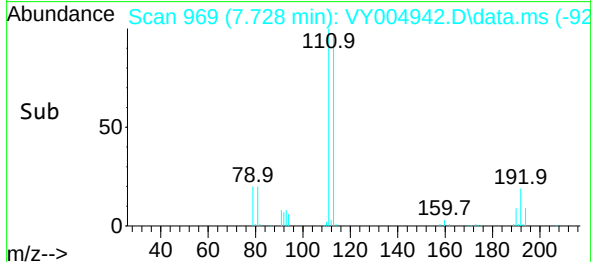
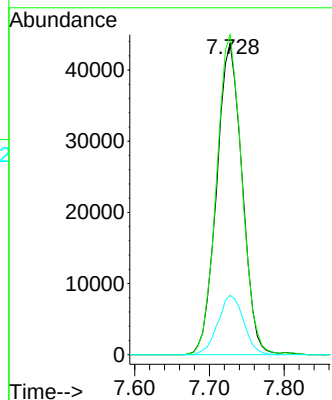
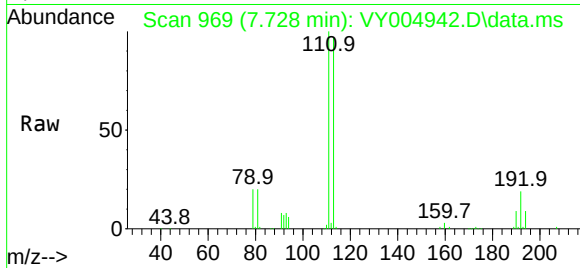




#35
Dibromofluoromethane
Concen: 47.71 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

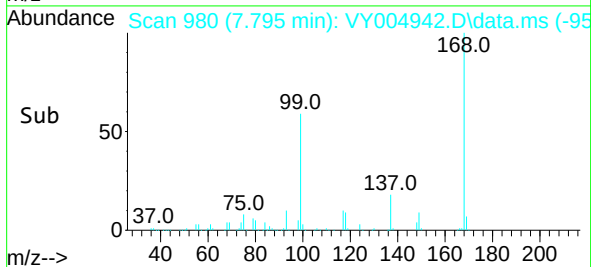
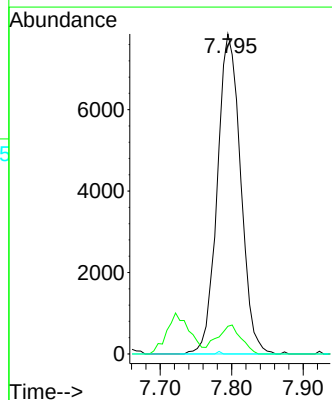
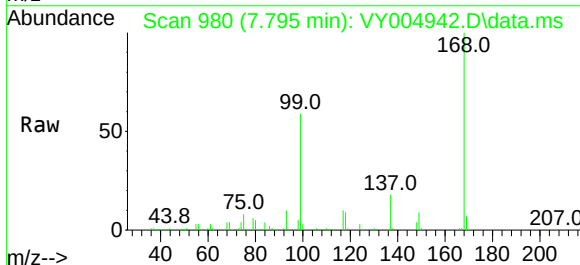
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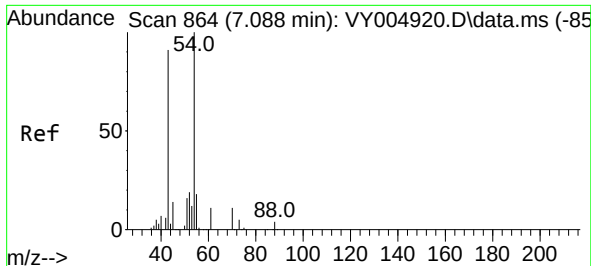
Tgt Ion:	113	Resp:	103922
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	19.2	15.3	22.9



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.129 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion:	75	Resp:	17784
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.5	52.5#
77	0.0	25.1	37.7#

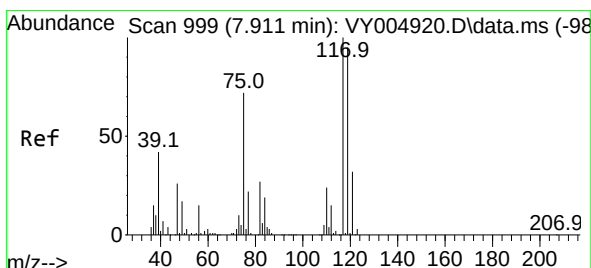
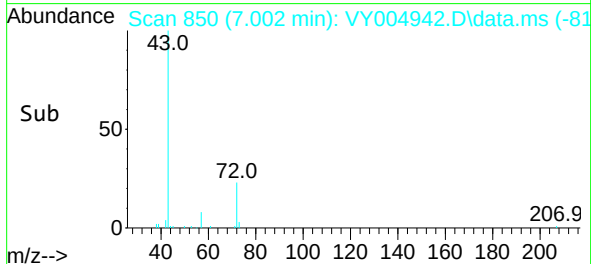
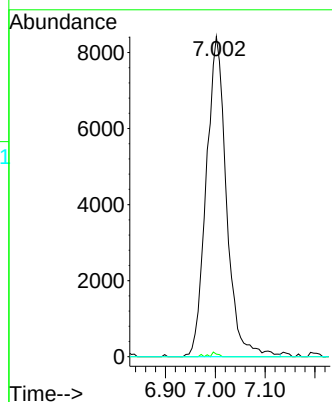
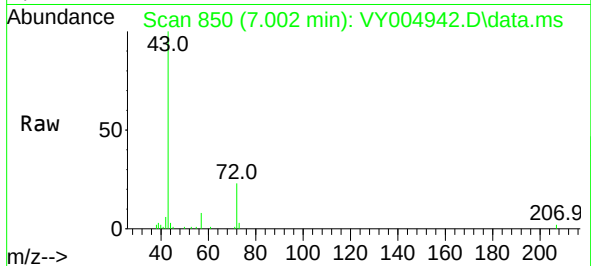




#37
Ethyl Acetate
Concen: 9.10 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.086 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

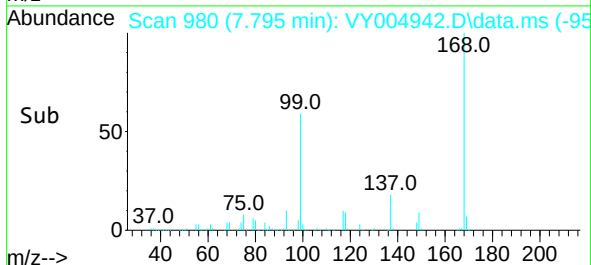
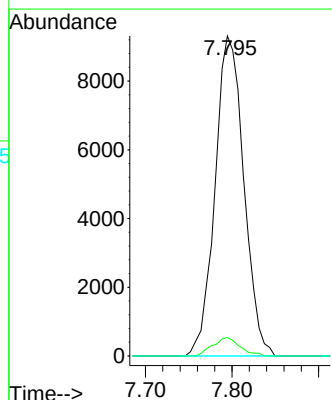
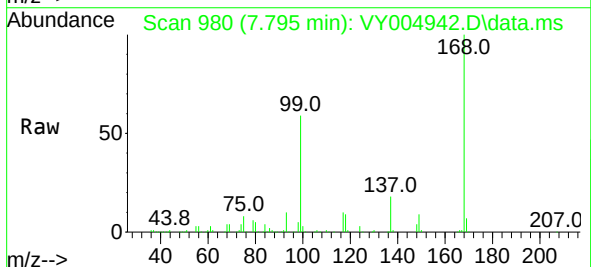
Instrument :
MSVOA_Y
ClientSampleId :

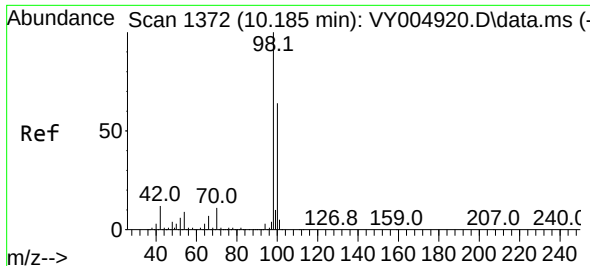
Tgt Ion: 43 Resp: 23710
Ion Ratio Lower Upper
43 100
61 0.5 10.5 15.7#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 117 Resp: 21469
Ion Ratio Lower Upper
117 100
119 5.8 76.1 114.1#
121 0.0 25.5 38.3#

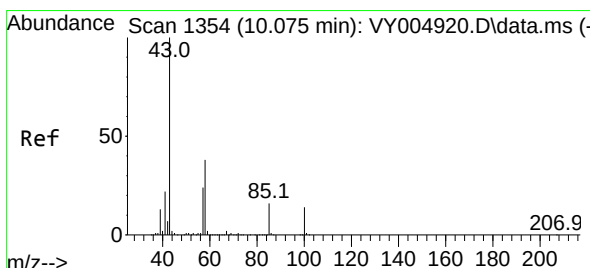
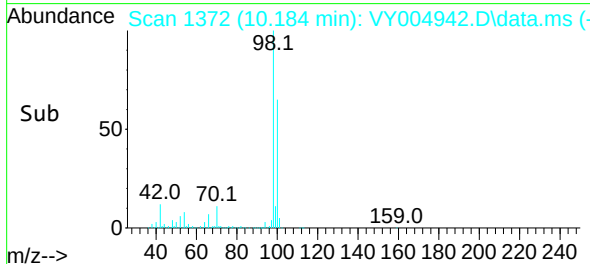
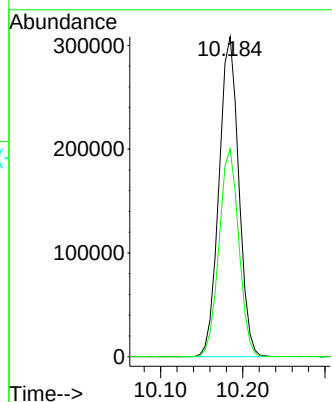
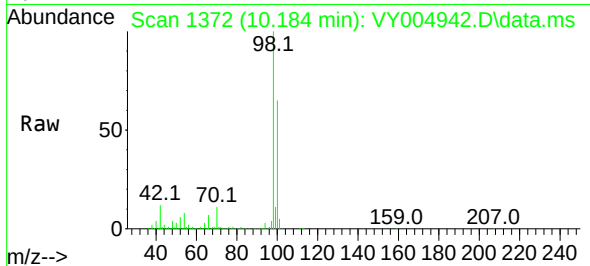




#50
Toluene-d8
Concen: 56.94 ug/l
RT: 10.184 min Scan# 1372
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

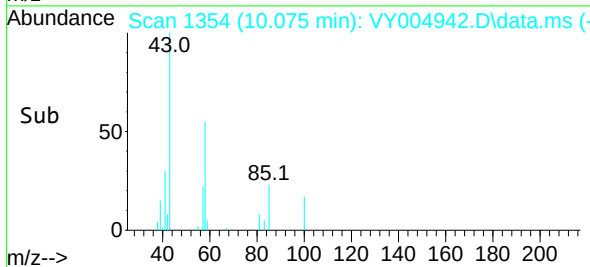
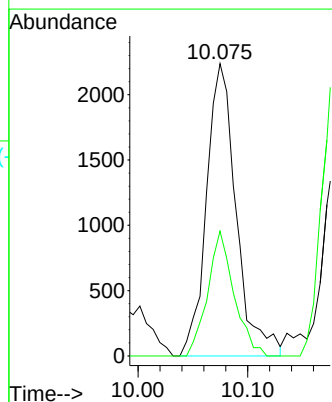
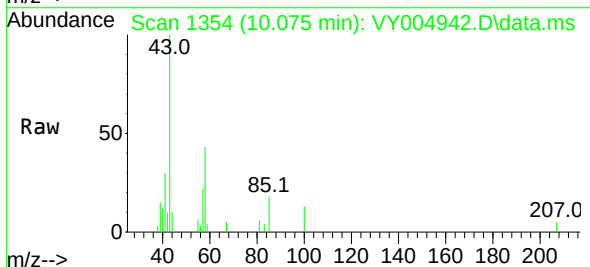
Instrument :
MSVOA_Y
ClientSampled :

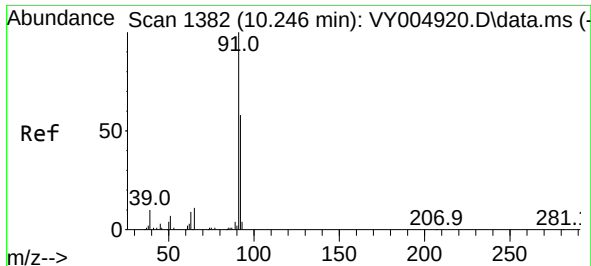
Tgt Ion: 98 Resp: 515076
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.72 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 43 Resp: 4218
Ion Ratio Lower Upper
43 100
58 37.7 30.6 46.0

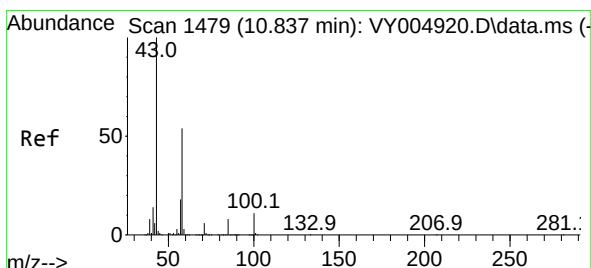
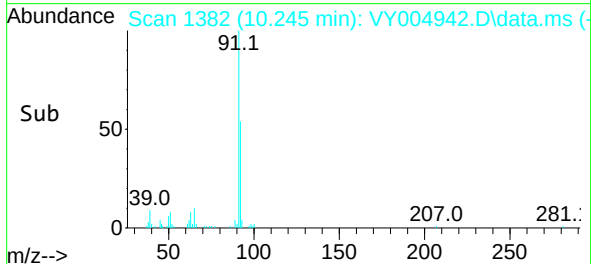
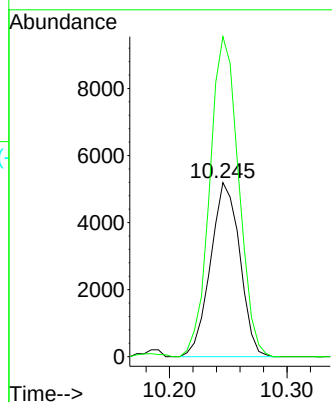
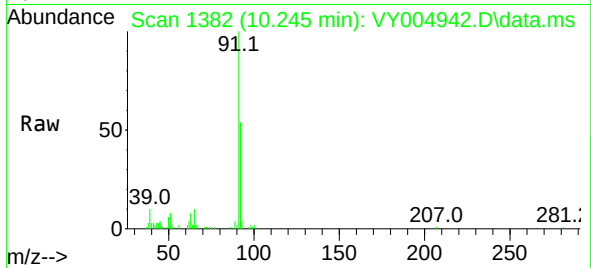




#52
Toluene
Concen: 1.31 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

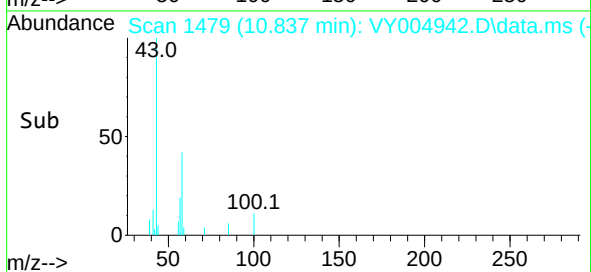
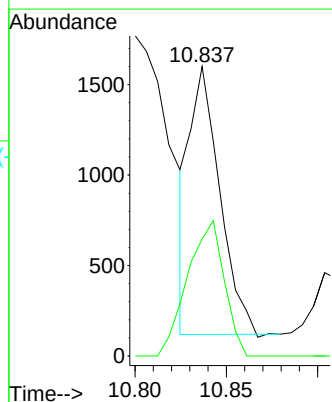
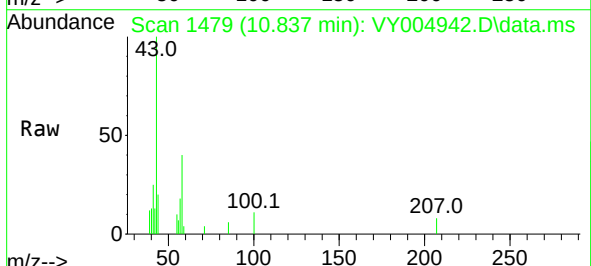
Instrument :
MSVOA_Y
ClientSampled :

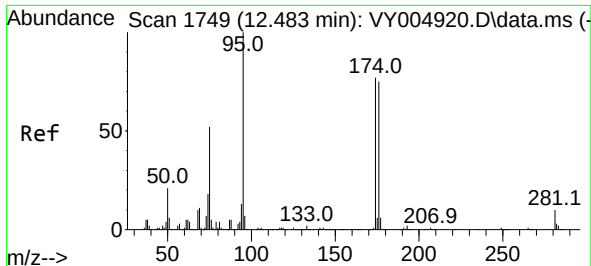
Tgt Ion: 92 Resp: 8995
Ion Ratio Lower Upper
92 100
91 181.0 139.3 208.9



#59
2-Hexanone
Concen: 1.02 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 61.5 27.0 80.8

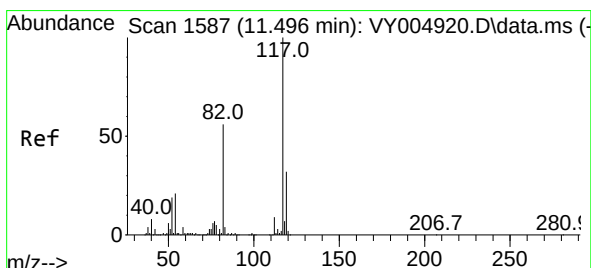
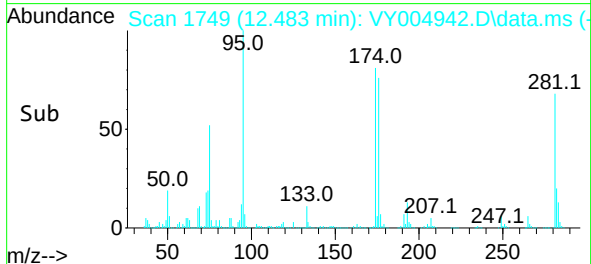
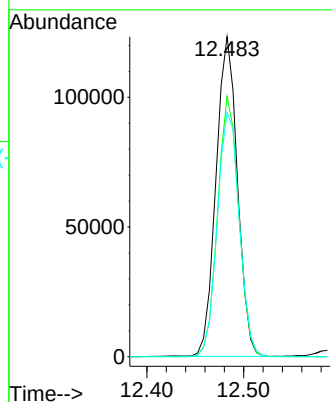
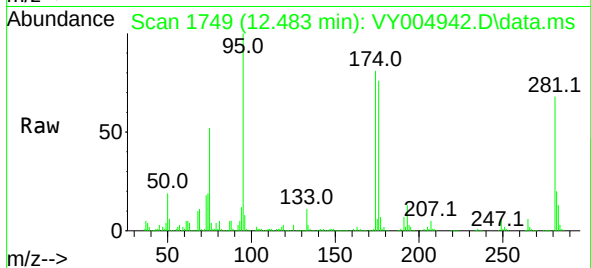




#62
4-Bromofluorobenzene
Concen: 60.87 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

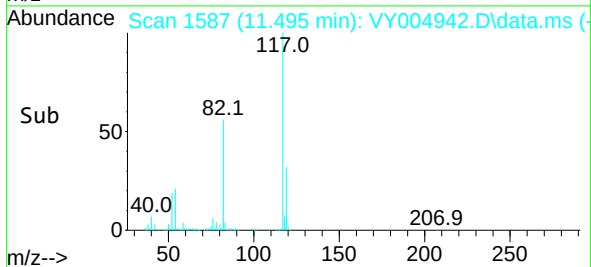
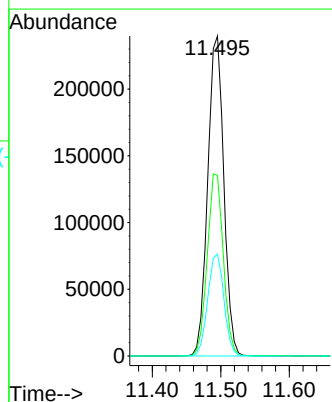
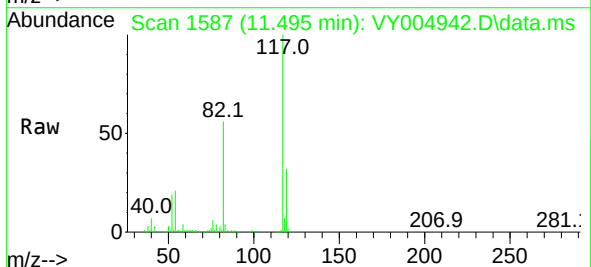
Instrument :
MSVOA_Y
ClientSampleId :

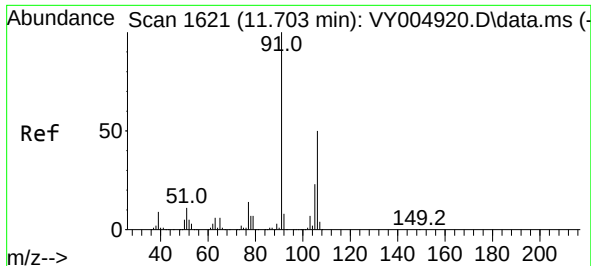
Tgt Ion: 95 Resp: 189383
Ion Ratio Lower Upper
95 100
174 80.3 0.0 160.8
176 78.5 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 117 Resp: 391145
Ion Ratio Lower Upper
117 100
82 56.4 44.8 67.2
119 31.9 25.2 37.8

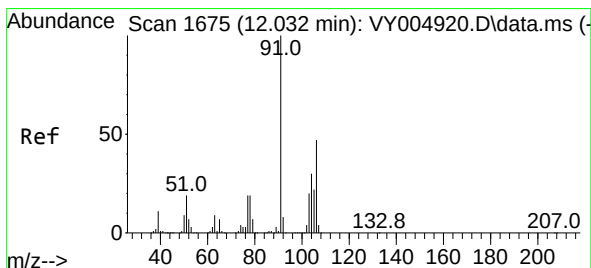
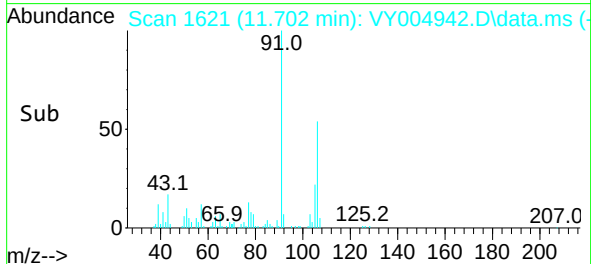
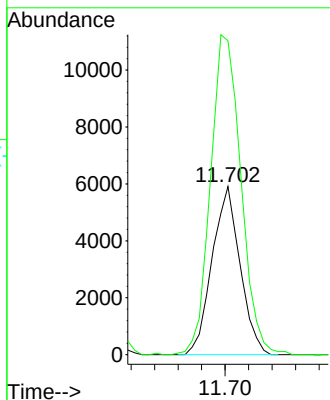
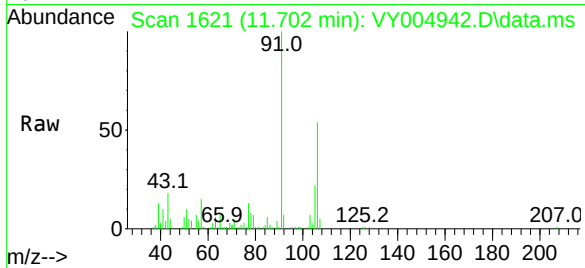




#68
m/p-Xylenes
Concen: 1.82 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

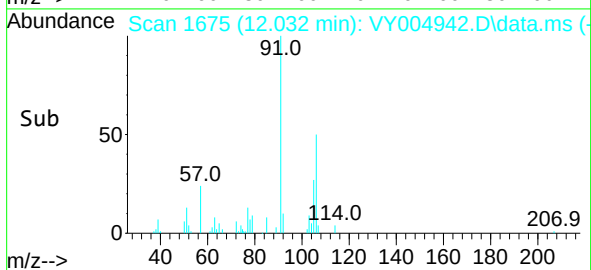
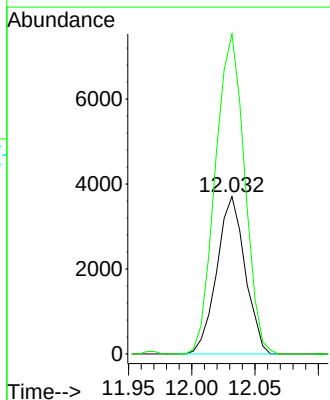
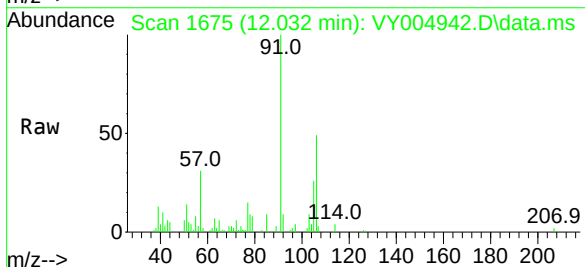
Instrument :
MSVOA_Y
ClientSampled :

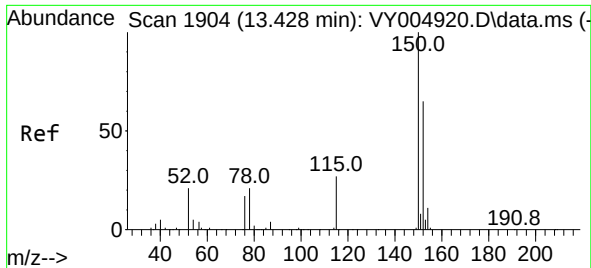
Tgt Ion:106 Resp: 9769
Ion Ratio Lower Upper
106 100
91 207.1 161.9 242.9



#69
o-Xylene
Concen: 1.15 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion:106 Resp: 5764
Ion Ratio Lower Upper
106 100
91 209.9 108.0 324.0

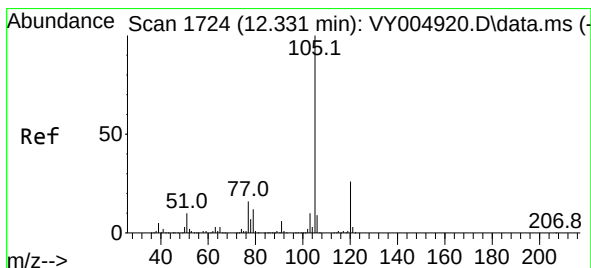
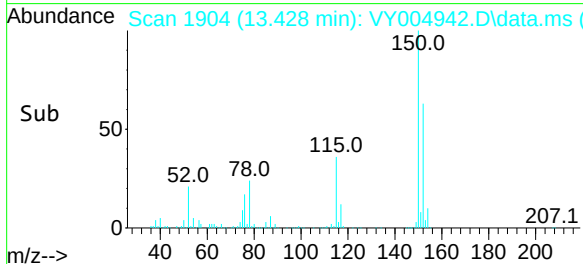
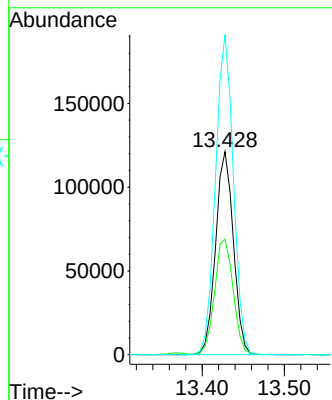
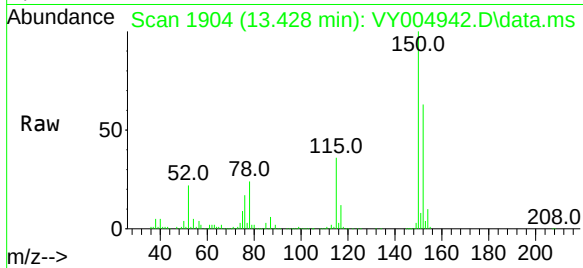




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

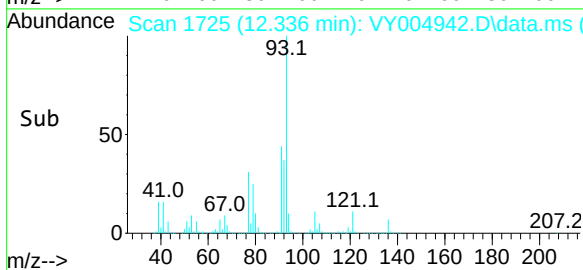
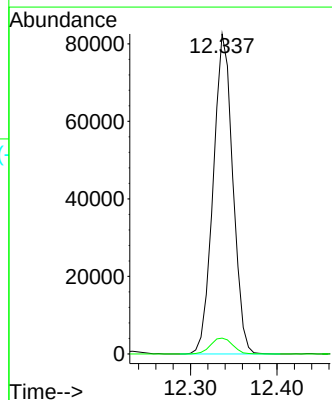
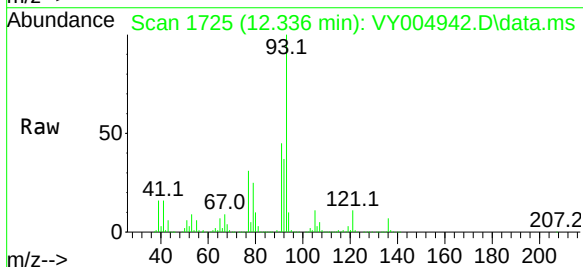
Instrument :
MSVOA_Y
ClientSampleId :

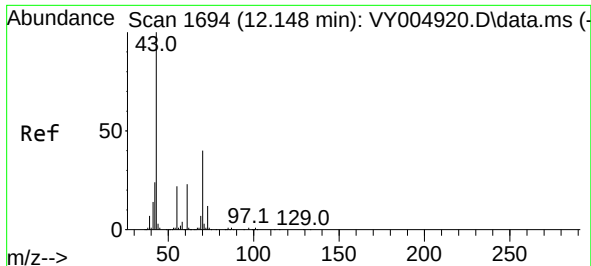
Tgt Ion:152 Resp: 182156
Ion Ratio Lower Upper
152 100
115 59.7 29.9 89.7
150 158.0 0.0 347.8



#73
Isopropylbenzene
Concen: 9.43 ug/l
RT: 12.336 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion:105 Resp: 129711
Ion Ratio Lower Upper
105 100
120 5.6 13.3 39.9#

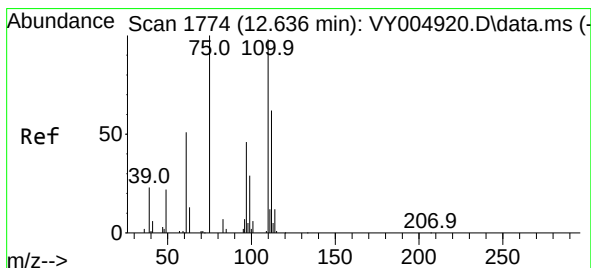
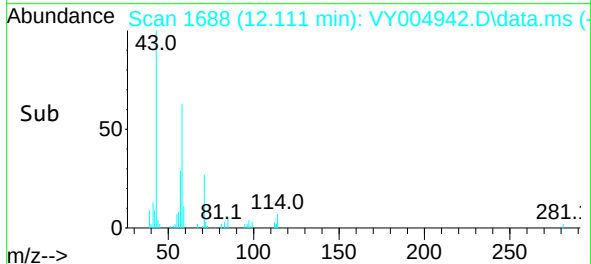
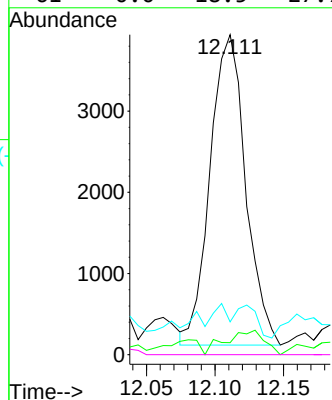
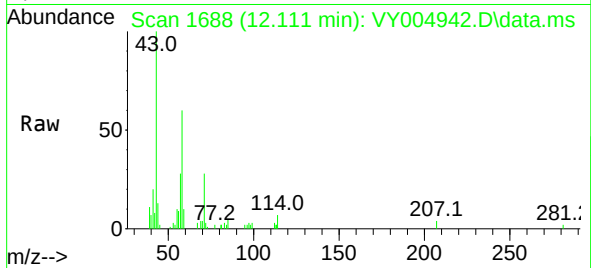




#74
N-amy1 acetate
Concen: 1.55 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

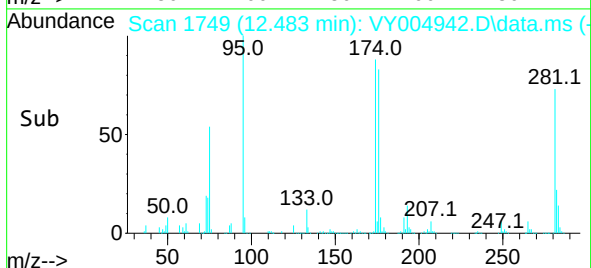
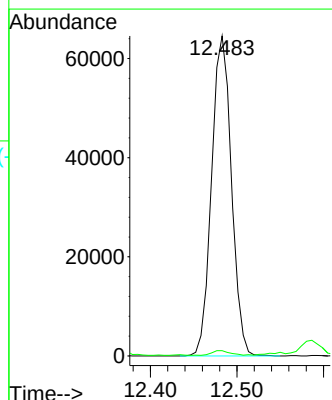
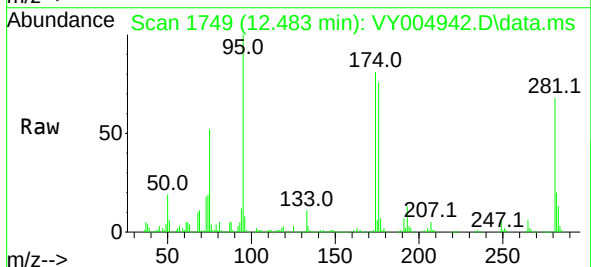
Instrument :
MSVOA_Y
ClientSampled :

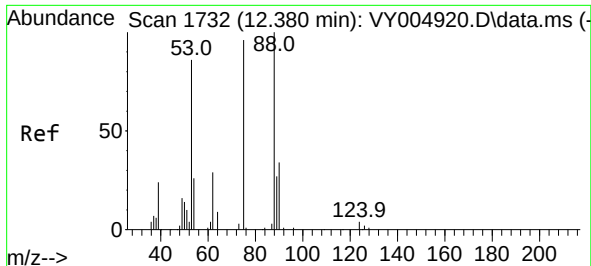
Tgt Ion: 43 Resp: 6900
Ion Ratio Lower Upper
43 100
70 8.5 32.0 48.0#
55 0.0 17.9 26.9#
61 0.0 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 51.46 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 75 Resp: 102764
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

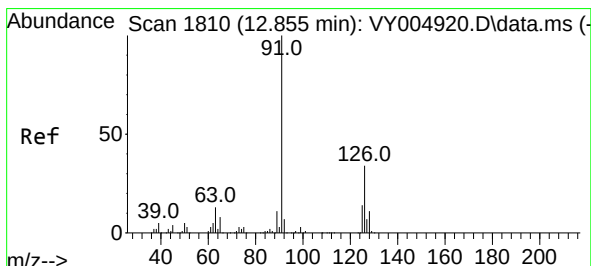
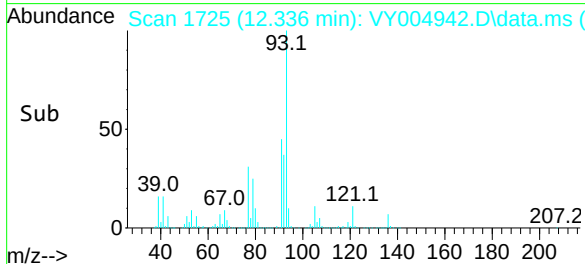
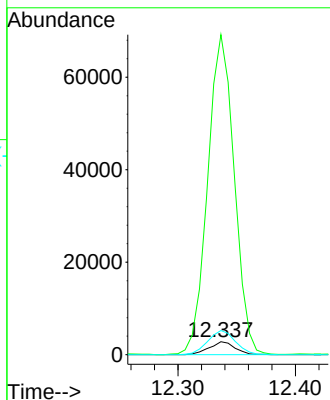
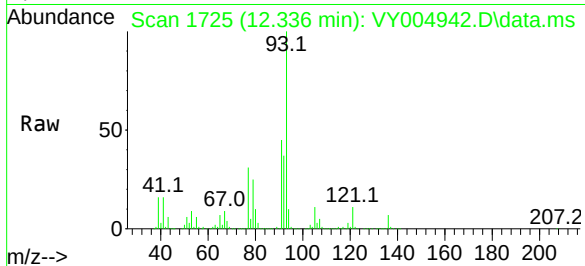




#81
trans-1,4-Dichloro-2-butene
Concen: 3.93 ug/l
RT: 12.336 min Scan# 1725
Delta R.T. -0.043 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

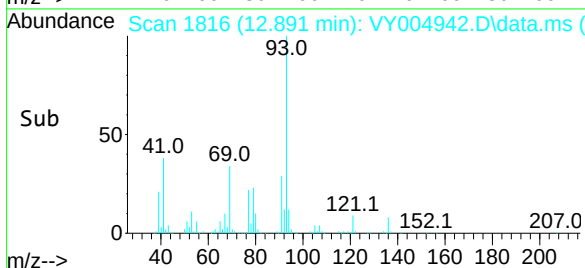
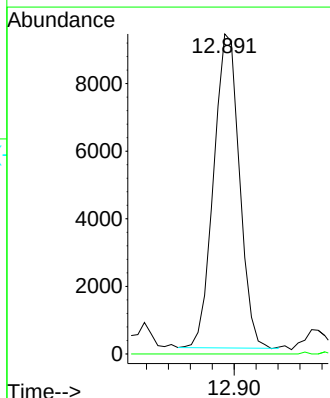
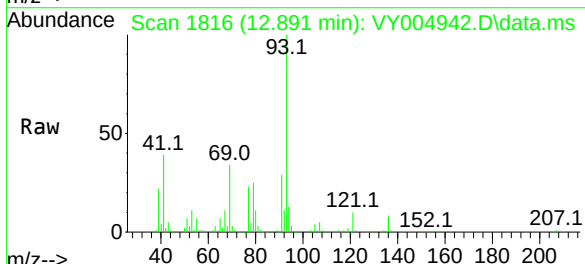
Instrument :
MSVOA_Y
ClientSampled :

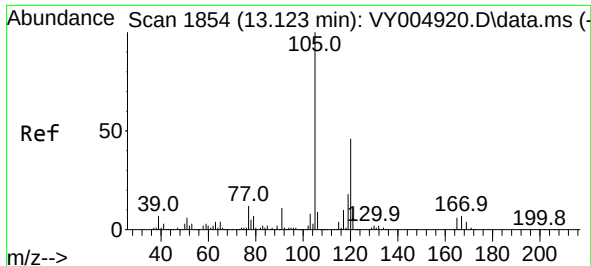
Tgt Ion: 75 Resp: 4268
Ion Ratio Lower Upper
75 100
53 2556.3 69.3 103.9#
89 202.2 35.0 52.6#



#82
4-Chlorotoluene
Concen: 1.61 ug/l
RT: 12.891 min Scan# 1816
Delta R.T. 0.036 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion: 91 Resp: 15179
Ion Ratio Lower Upper
91 100
126 0.0 17.0 50.9#

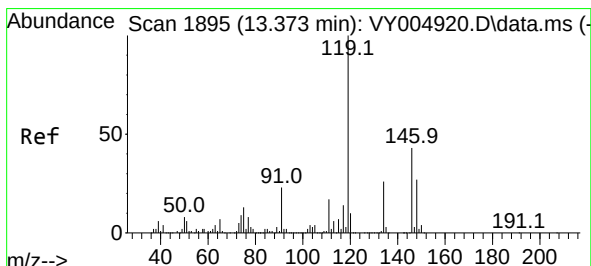
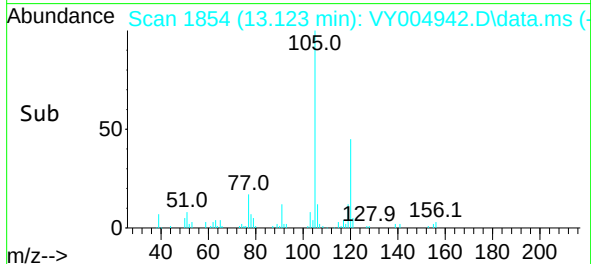
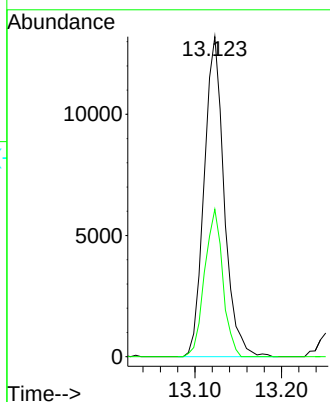
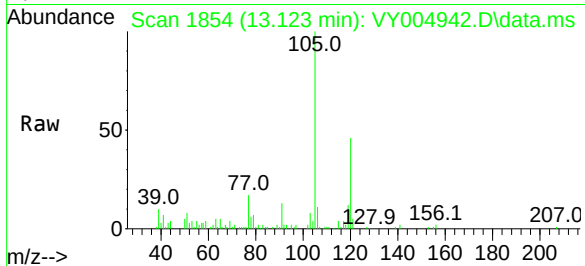




#84
1,2,4-Trimethylbenzene
Concen: 1.88 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

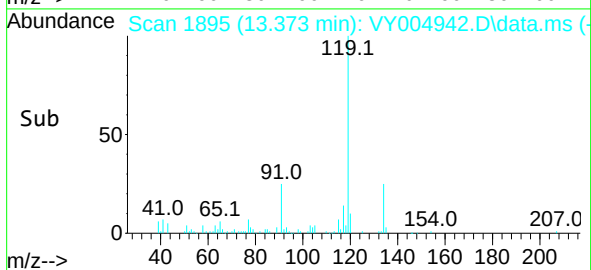
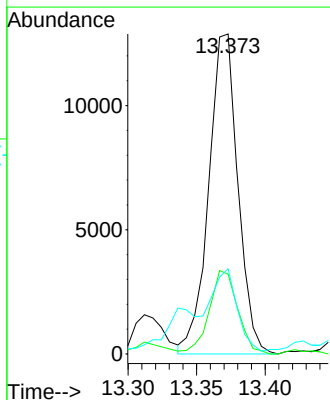
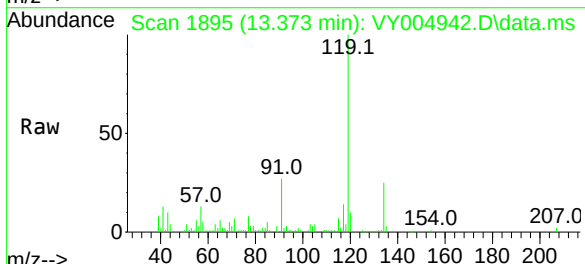
Instrument :
MSVOA_Y
ClientSampled :

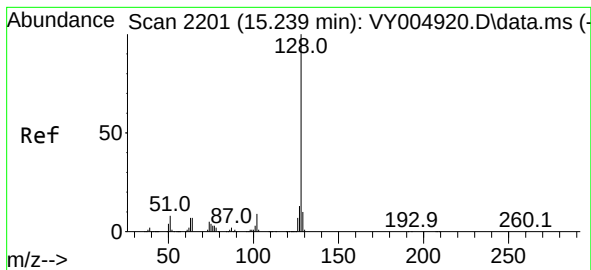
Tgt Ion:105 Resp: 21189
Ion Ratio Lower Upper
105 100
120 41.9 22.6 67.7



#86
p-Isopropyltoluene
Concen: 1.59 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Tgt Ion:119 Resp: 19099
Ion Ratio Lower Upper
119 100
134 25.4 12.9 38.7
91 24.3 11.9 35.5





#95
Naphthalene
Concen: 14.02 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.001 min
Lab File: VY004942.D
Acq: 03 Jun 2021 17:22

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 100082
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.1 8.7 13.1

