

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090121\
 Data File : VY005929.D
 Acq On : 01 Sep 2021 14:40
 Operator : SY/MD
 Sample : M3626-01
 Misc : 5.06G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1

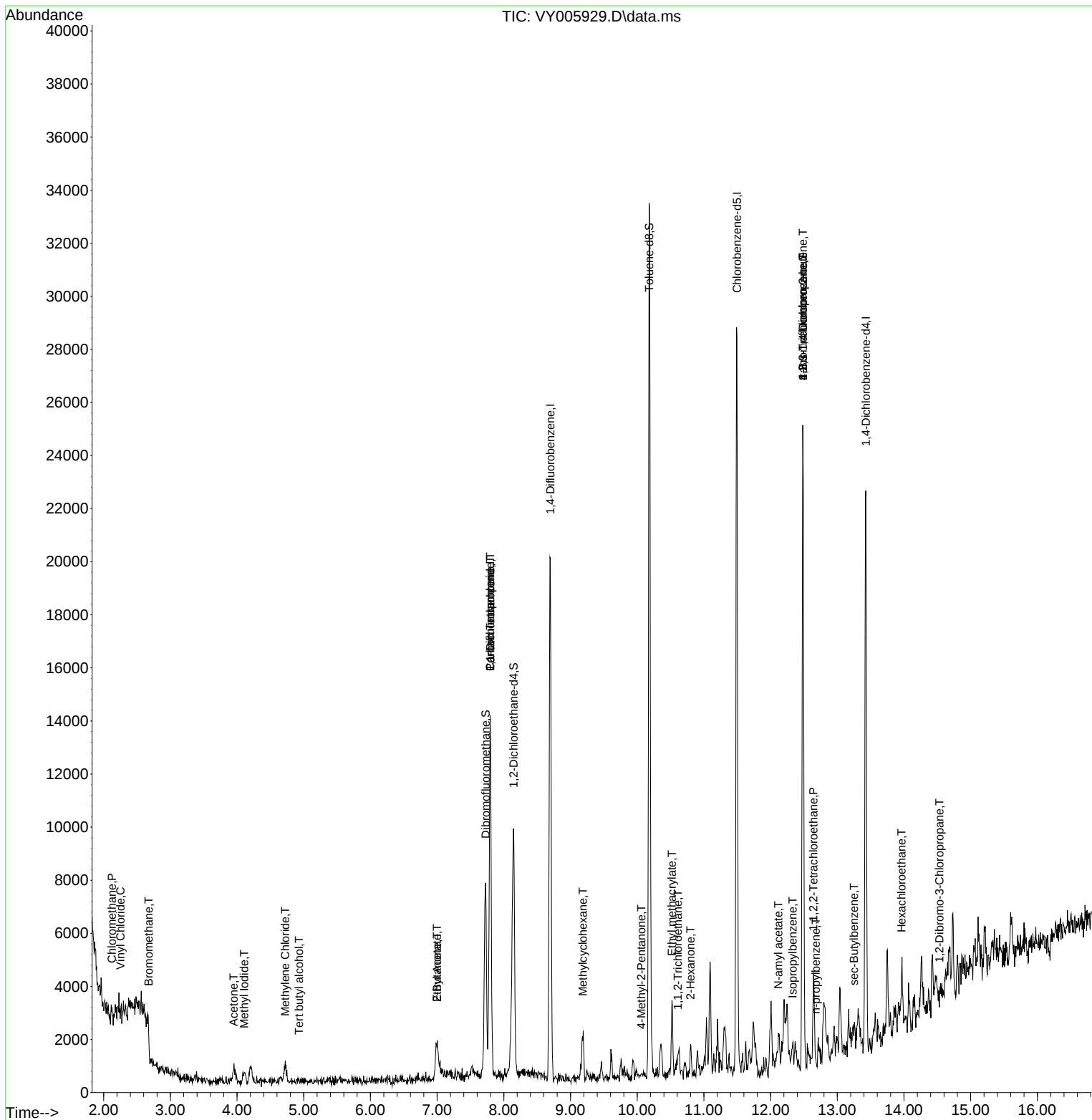
Quant Time: Sep 02 07:48:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

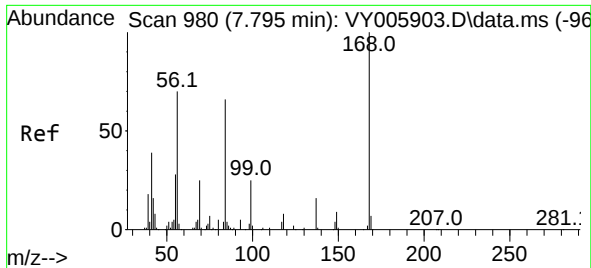
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	10588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	17765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	16355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6652	62.34	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.68%			
35) Dibromofluoromethane	7.728	113	5116	51.28	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.56%			
50) Toluene-d8	10.179	98	21267	50.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.58%			
62) 4-Bromofluorobenzene	12.483	95	6323	44.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.94%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	156	1.56	ug/l #	42
4) Vinyl Chloride	2.253	62	348	2.67	ug/l #	43
5) Bromomethane	2.674	94	157	1.79	ug/l #	71
10) Methyl Iodide	4.107	142	710	6.31	ug/l #	84
11) Tert butyl alcohol	4.930	59	24	1.14	ug/l #	80
16) Acetone	3.948	43	1096	40.28	ug/l #	73
20) Methylene Chloride	4.722	84	630	1.09	ug/l #	69
25) 2-Butanone	6.996	43	103	2.68	ug/l #	47
36) 1,1-Dichloropropene	7.795	75	929	5.55	ug/l #	41
37) Ethyl Acetate	6.996	43	103	1.03	ug/l #	68
38) Carbon Tetrachloride	7.795	117	1029	5.68	ug/l #	12
39) Methylcyclohexane	9.185	83	965	4.56	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	117	1.19	ug/l #	35
55) 1,1,2-Trichloroethane	10.612	97	443	4.64	ug/l #	16
56) Ethyl methacrylate	10.520	69	275	1.99	ug/l #	1
59) 2-Hexanone	10.801	43	465	6.79	ug/l #	24
73) Isopropylbenzene	12.331	105	409	1.03	ug/l	86
74) N-amyl acetate	12.117	43	430	3.79	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.642	83	230	3.05	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	3372	60.66	ug/l #	100
78) n-propylbenzene	12.678	91	486	1.03	ug/l #	72
81) trans-1,4-Dichloro-2-b...	12.483	75	3372	115.37	ug/l #	13
85) sec-Butylbenzene	13.251	105	492	1.15	ug/l #	76
90) Hexachloroethane	13.965	117	111	1.65	ug/l #	2
92) 1,2-Dibromo-3-Chloropr...	14.532	75	24	1.70	ug/l #	1

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

Quant Time: Sep 02 07:48:39 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

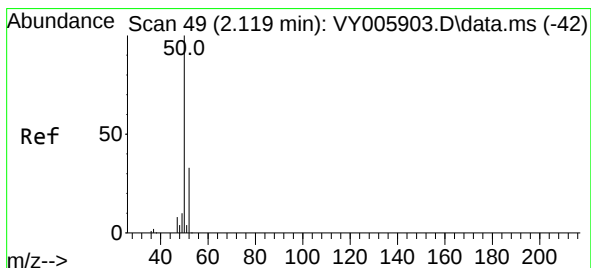
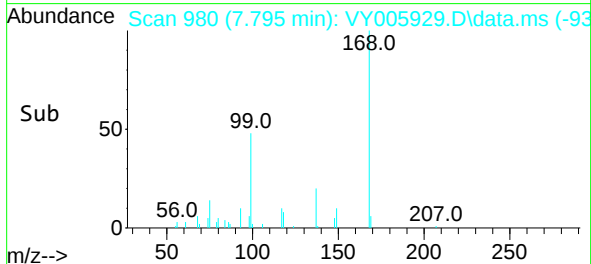
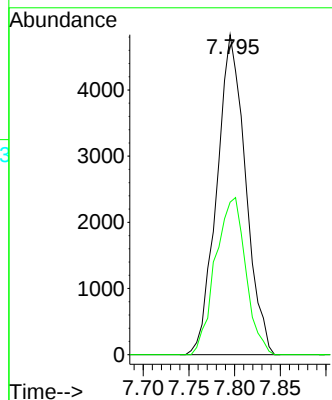
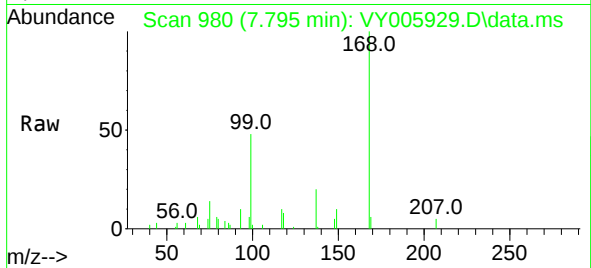




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

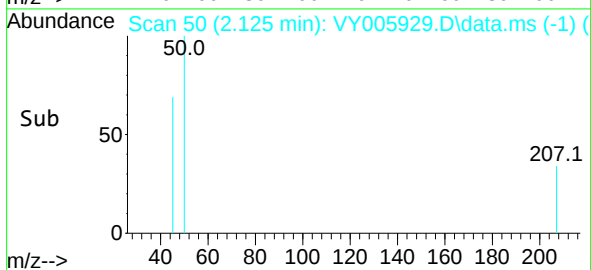
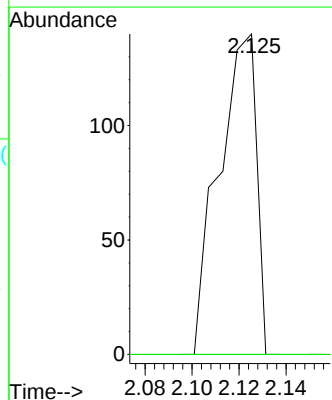
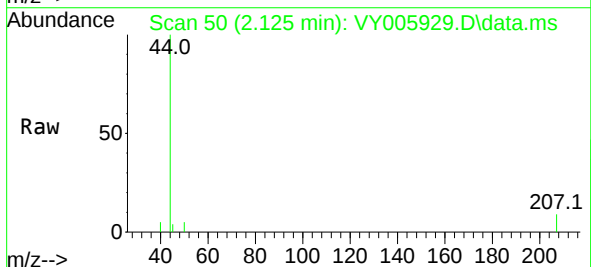
Instrument :
MSVOA_Y
ClientSampleId :
G-1

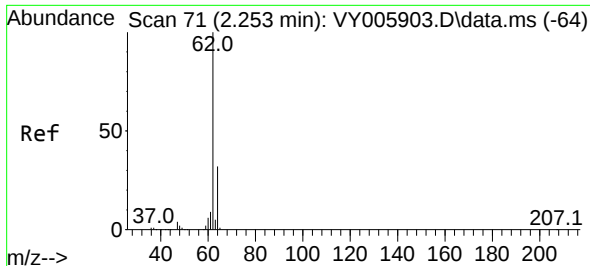
Tgt Ion:168 Resp: 10588
Ion Ratio Lower Upper
168 100
99 47.6 40.6 60.8



#3
Chloromethane
Concen: 1.56 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 50 Resp: 156
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

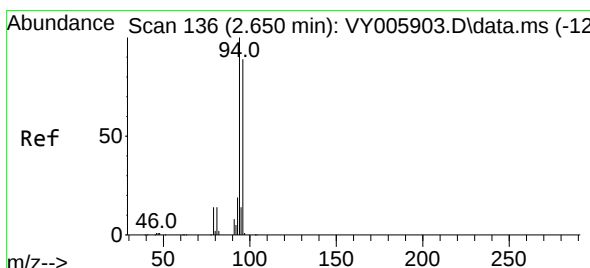
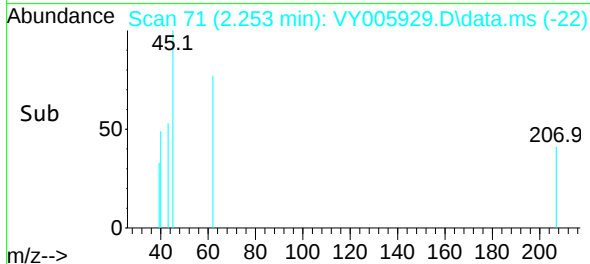
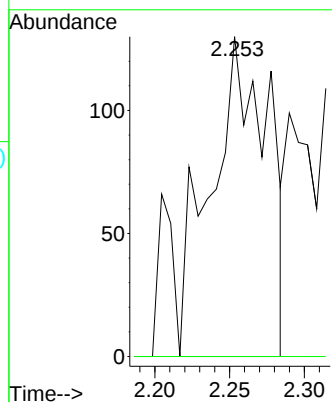
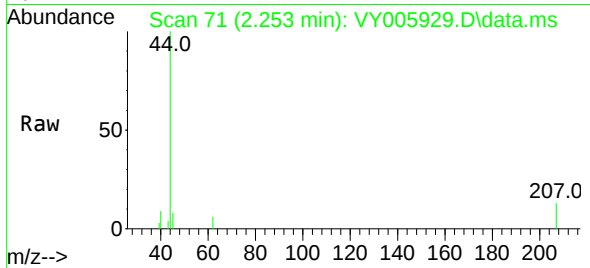




#4
 Vinyl Chloride
 Concen: 2.67 ug/l
 RT: 2.253 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY005929.D
 Acq: 01 Sep 2021 14:40

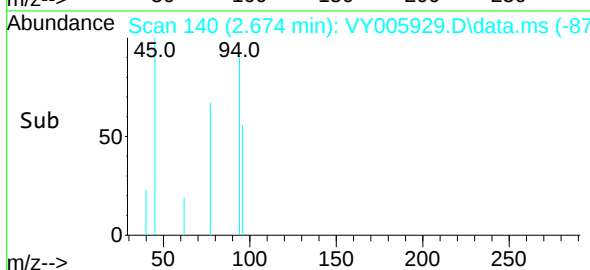
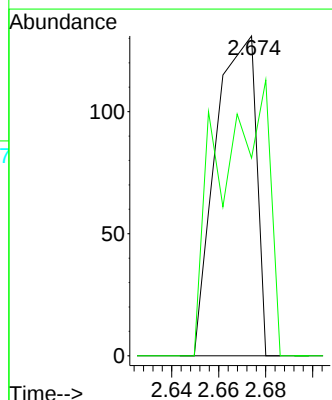
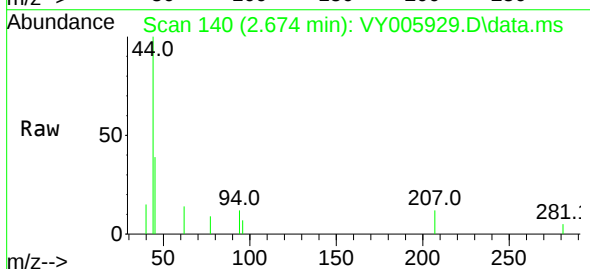
Instrument :
 MSVOA_Y
 ClientSampled :
 G-1

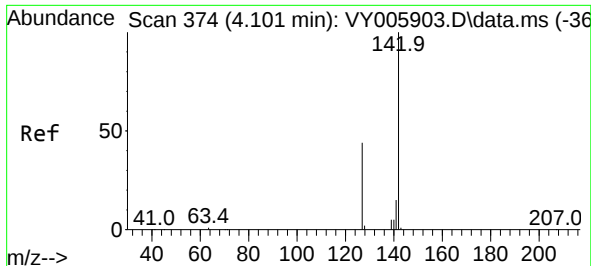
Tgt Ion: 62 Resp: 348
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.79 ug/l
 RT: 2.674 min Scan# 140
 Delta R.T. 0.024 min
 Lab File: VY005929.D
 Acq: 01 Sep 2021 14:40

Tgt Ion: 94 Resp: 157
 Ion Ratio Lower Upper
 94 100
 96 61.8 70.8 106.2#

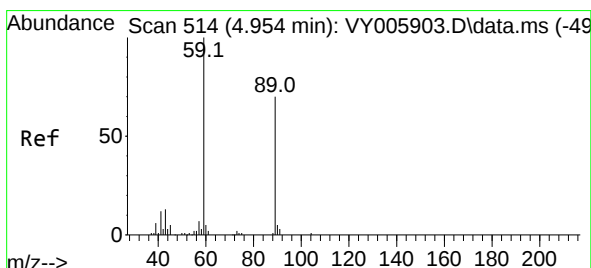
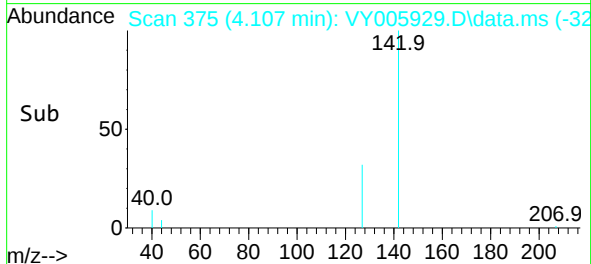
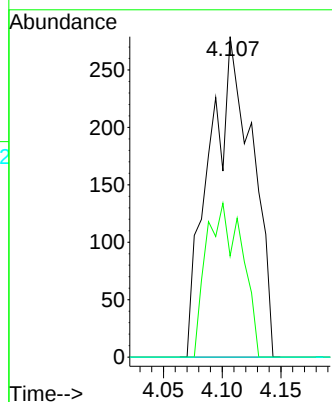
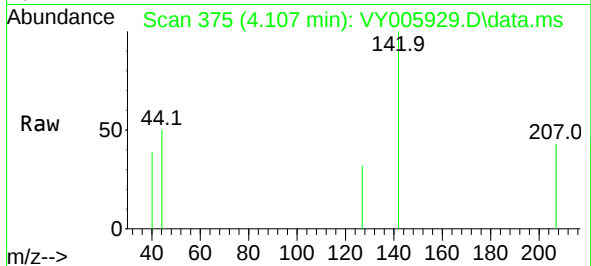




#10
Methyl Iodide
Concen: 6.31 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

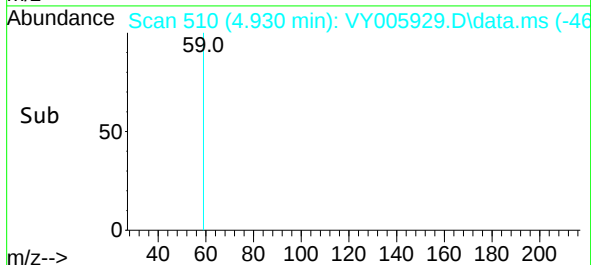
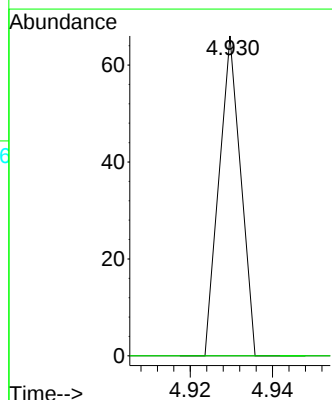
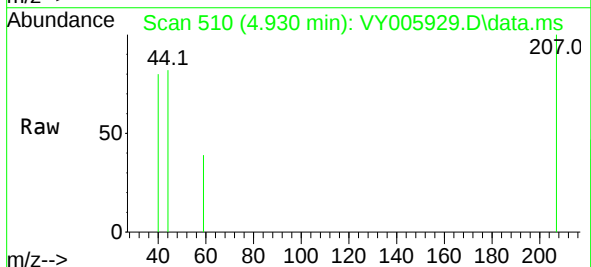
Instrument :
MSVOA_Y
ClientSampled :
G-1

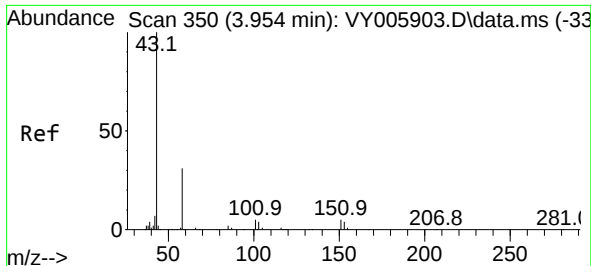
Tgt Ion:142 Resp: 710
Ion Ratio Lower Upper
142 100
127 39.7 36.7 55.1
141 0.0 11.8 17.8#



#11
Tert butyl alcohol
Concen: 1.14 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 59 Resp: 24
Ion Ratio Lower Upper
59 100
57 0.0 5.5 8.3#

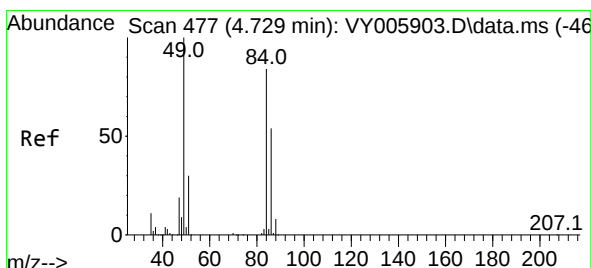
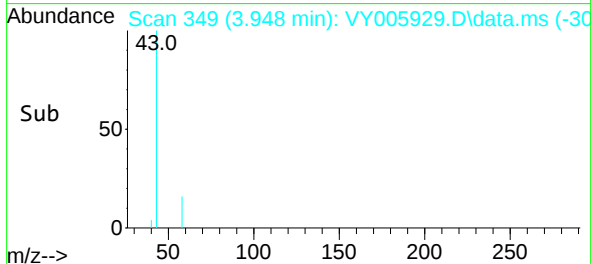
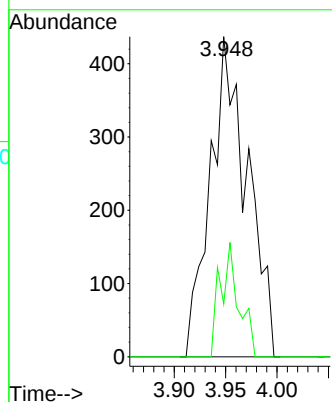
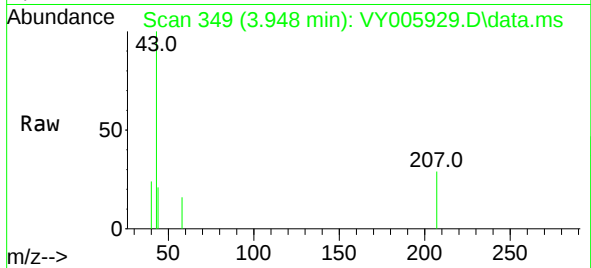




#16
Acetone
Concen: 40.28 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

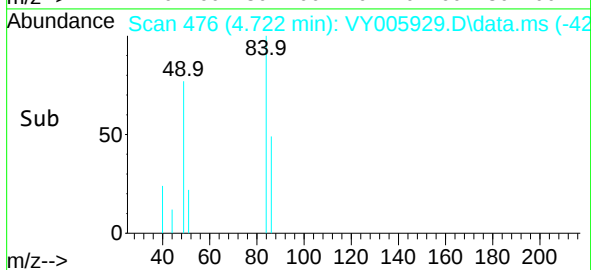
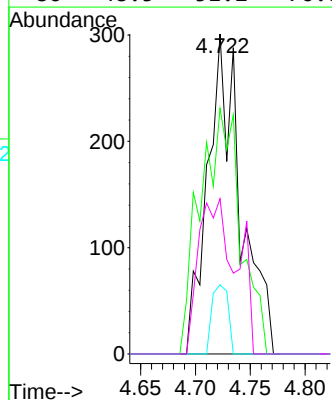
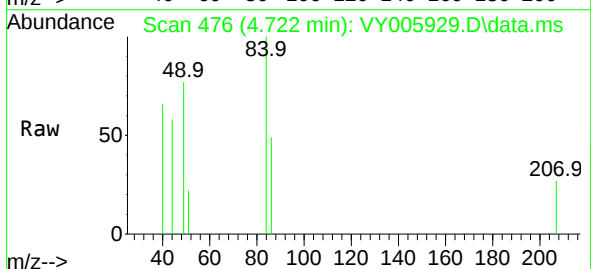
Instrument :
MSVOA_Y
ClientSampleId :
G-1

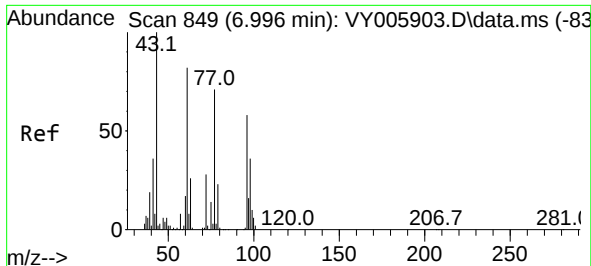
Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 16.5 25.1 37.7#



#20
Methylene Chloride
Concen: 1.09 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 84 Resp: 630
Ion Ratio Lower Upper
84 100
49 76.7 95.7 143.5#
51 21.6 29.0 43.6#
86 48.5 51.2 76.8#

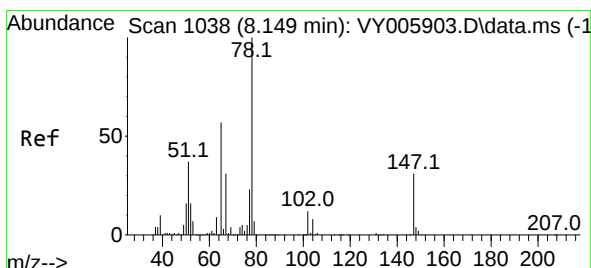
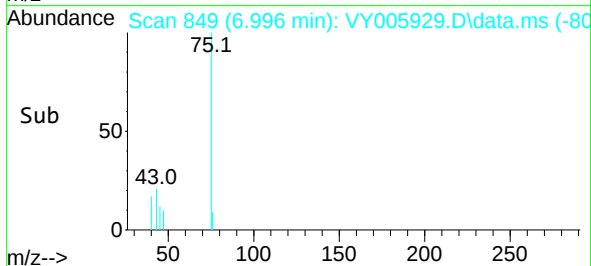
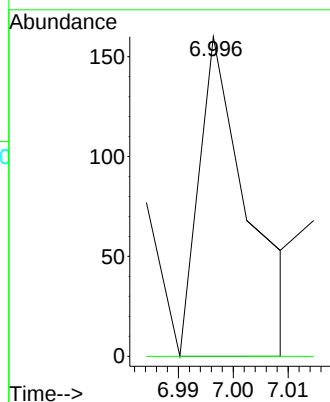
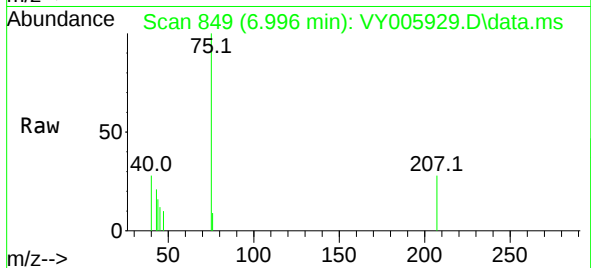




#25
2-Butanone
Concen: 2.68 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

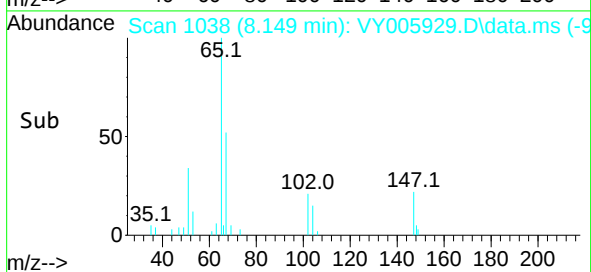
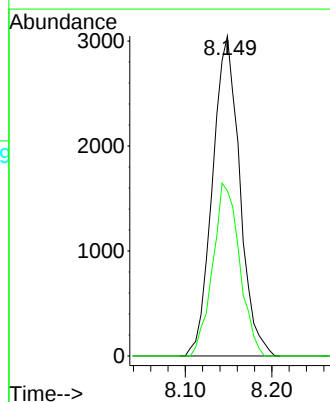
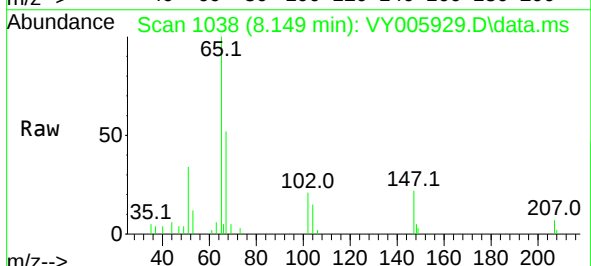
Instrument :
MSVOA_Y
ClientSampled :
G-1

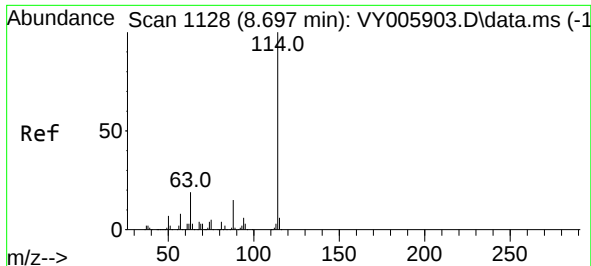
Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#33
1,2-Dichloroethane-d4
Concen: 62.34 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 65 Resp: 6652
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005929.D

Acq: 01 Sep 2021 14:40

Tgt Ion:114 Resp: 17765

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

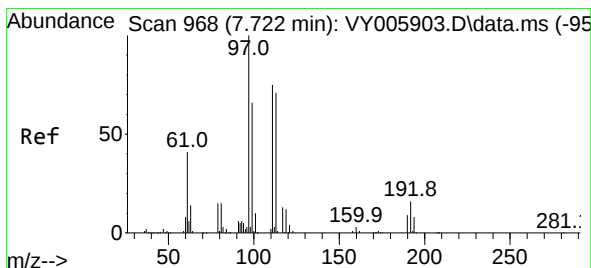
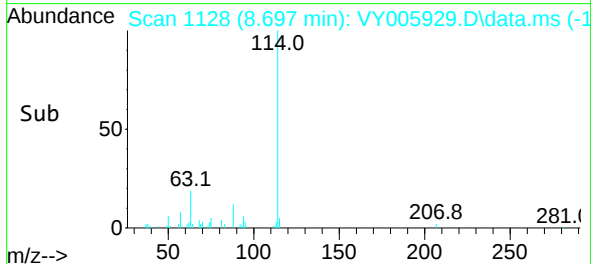
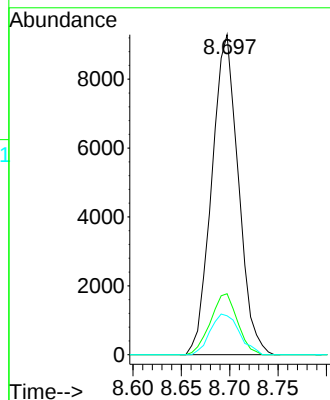
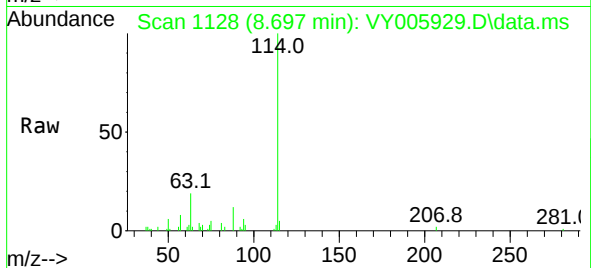
88 12.1 0.0 30.0

Instrument :

MSVOA_Y

ClientSampled :

G-1



#35

Dibromofluoromethane

Concen: 51.28 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY005929.D

Acq: 01 Sep 2021 14:40

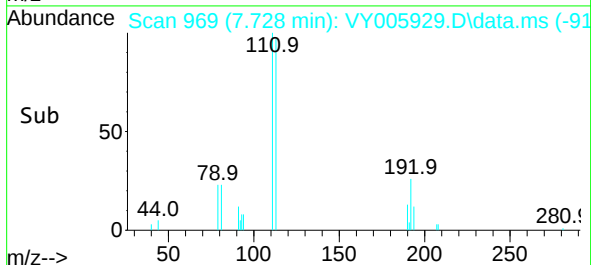
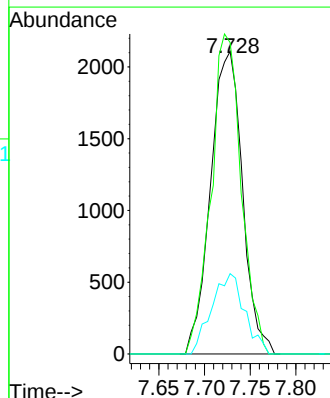
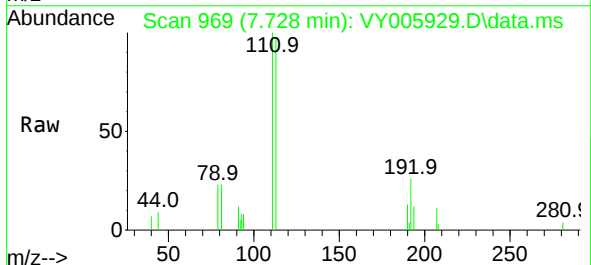
Tgt Ion:113 Resp: 5116

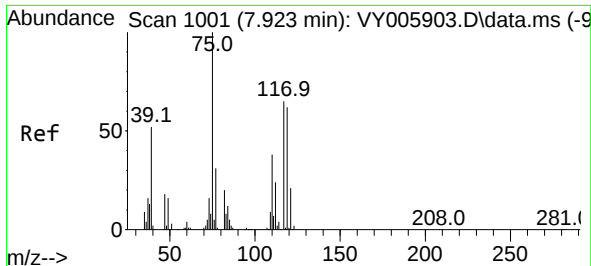
Ion Ratio Lower Upper

113 100

111 100.2 81.9 122.9

192 27.4 19.4 29.0

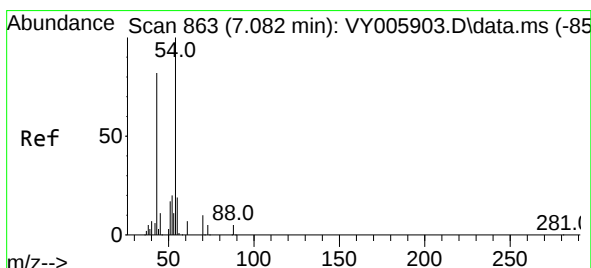
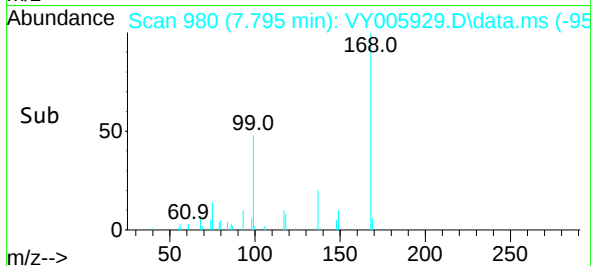
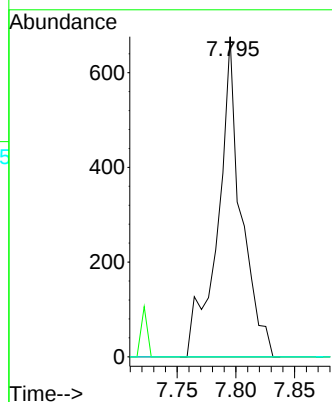
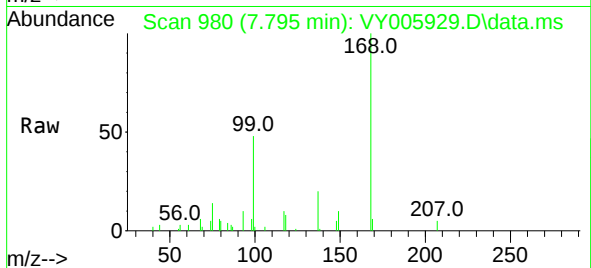




#36
1,1-Dichloropropene
Concen: 5.55 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

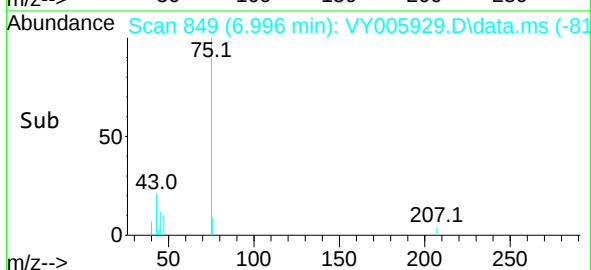
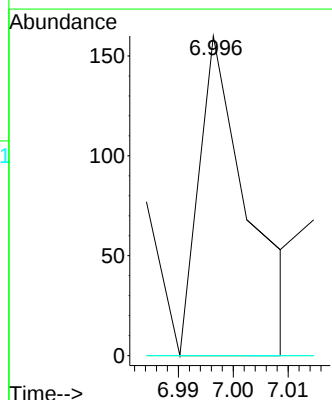
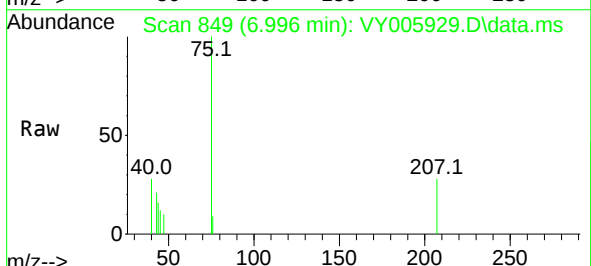
Instrument :
MSVOA_Y
ClientSampled :
G-1

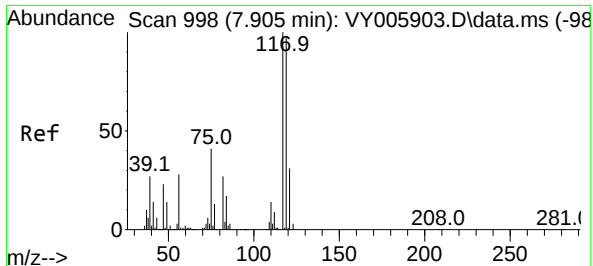
Tgt Ion: 75 Resp: 929
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.03 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.085 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.3 12.5#

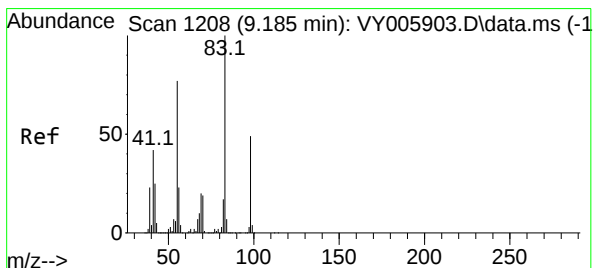
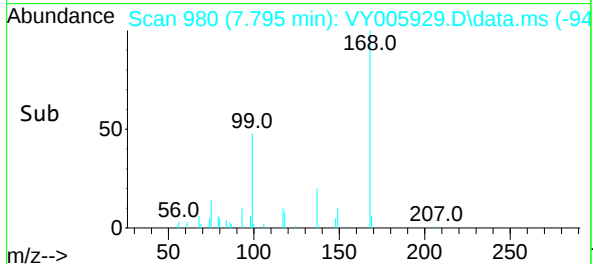
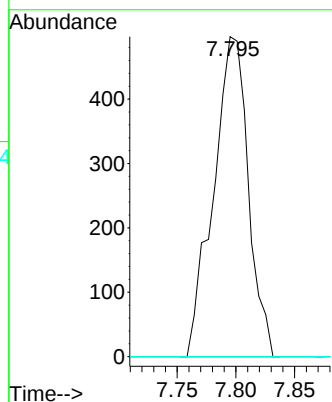
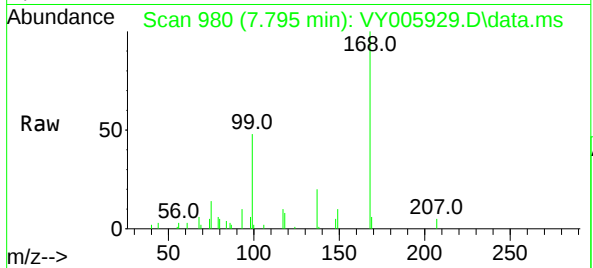




#38
Carbon Tetrachloride
Concen: 5.68 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

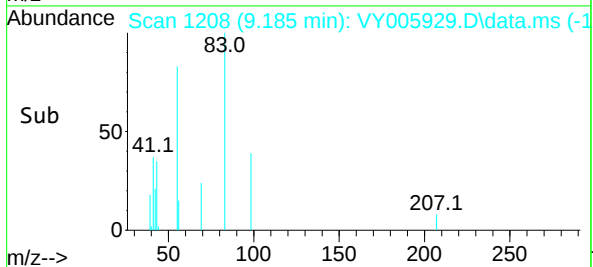
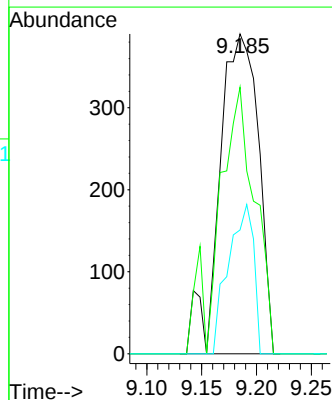
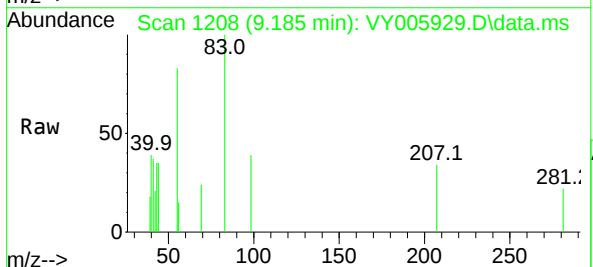
Instrument :
MSVOA_Y
ClientSampled :
G-1

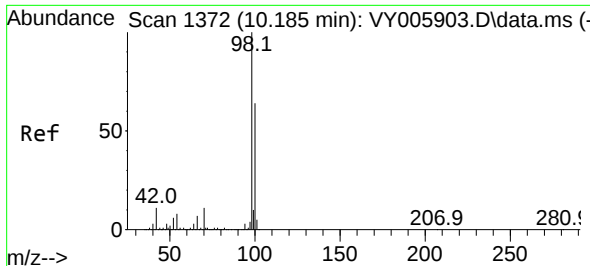
Tgt Ion:117 Resp: 1029
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 4.56 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 83 Resp: 965
Ion Ratio Lower Upper
83 100
55 83.3 61.4 92.2
98 38.7 39.4 59.2#

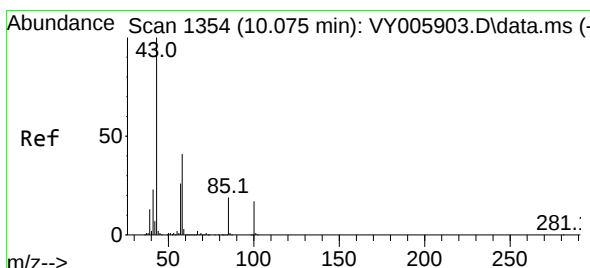
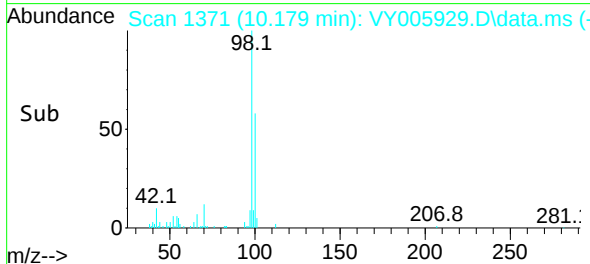
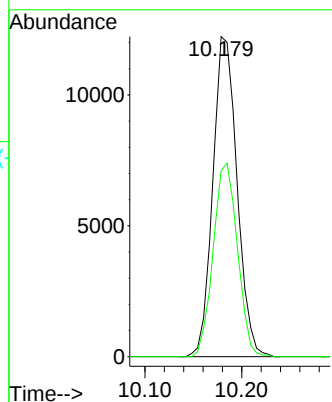
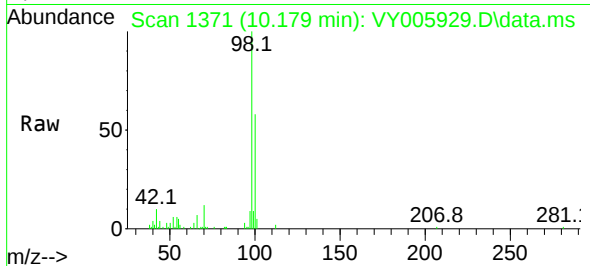




#50
Toluene-d8
Concen: 50.79 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

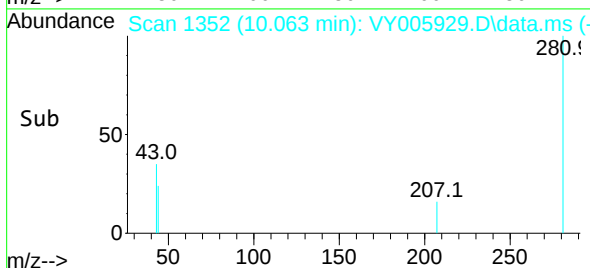
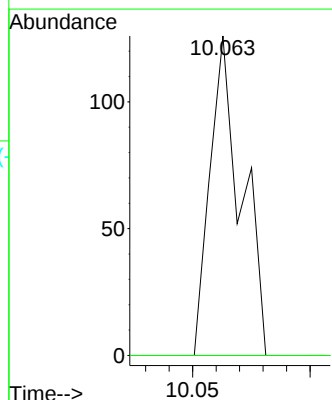
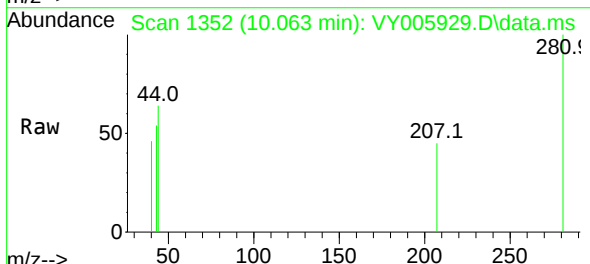
Instrument :
MSVOA_Y
ClientSampled :
G-1

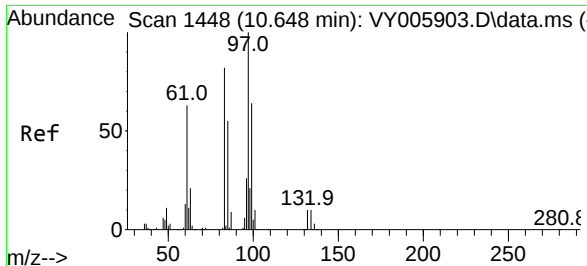
Tgt Ion: 98 Resp: 21267
Ion Ratio Lower Upper
98 100
100 60.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.19 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.012 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#

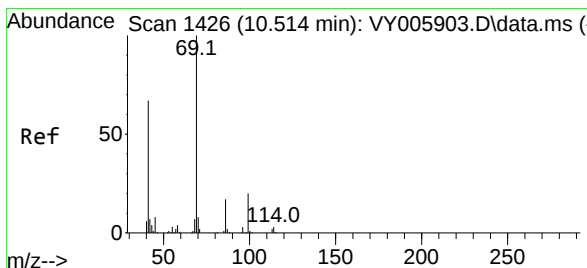
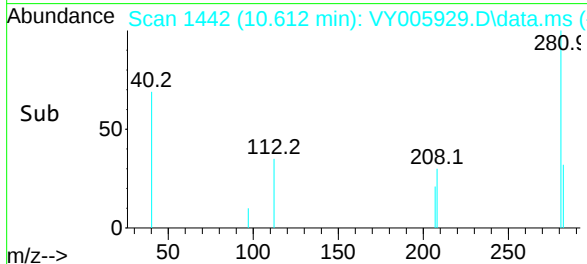
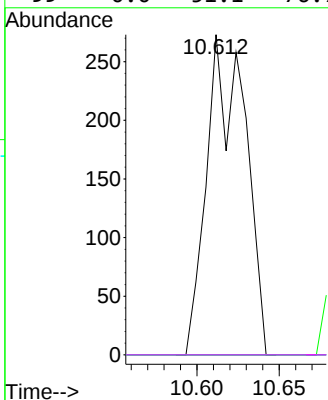
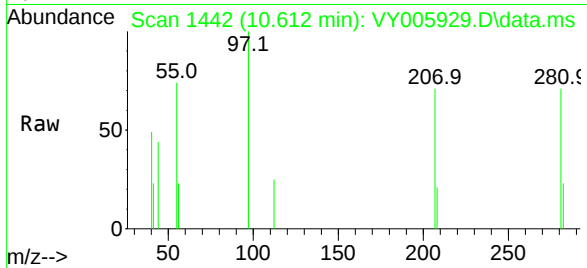




#55
1,1,2-Trichloroethane
Concen: 4.64 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.037 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

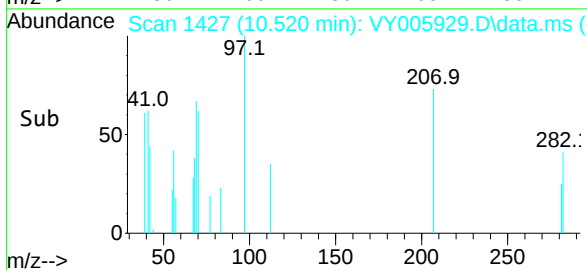
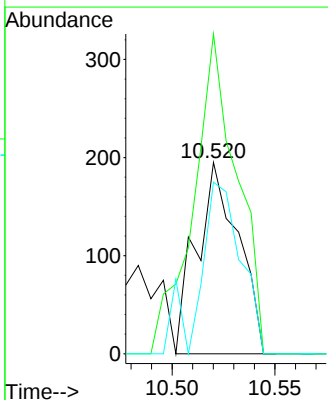
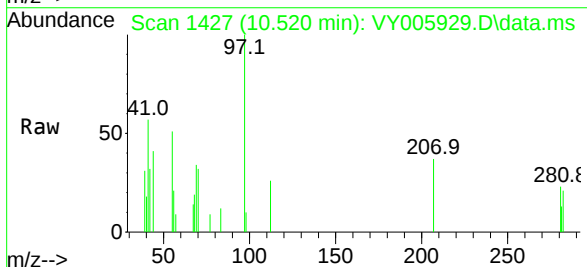
Instrument :
MSVOA_Y
ClientSampled :
G-1

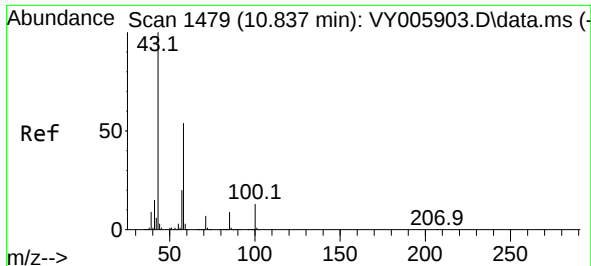
Tgt Ion: 97	Resp: 443
Ion Ratio	Lower Upper
97 100	
83 0.0	65.9 98.9#
85 0.0	44.2 66.4#
99 0.0	51.1 76.7#



#56
Ethyl methacrylate
Concen: 1.99 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 69	Resp: 275
Ion Ratio	Lower Upper
69 100	
41 174.9	53.4 80.0#
39 88.4	28.0 42.0#

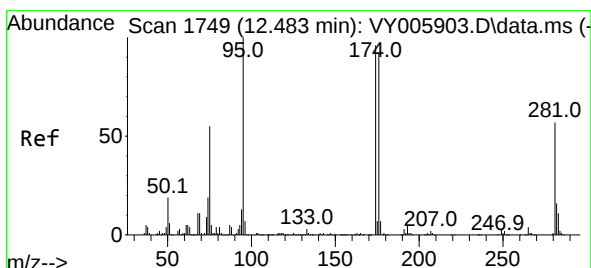
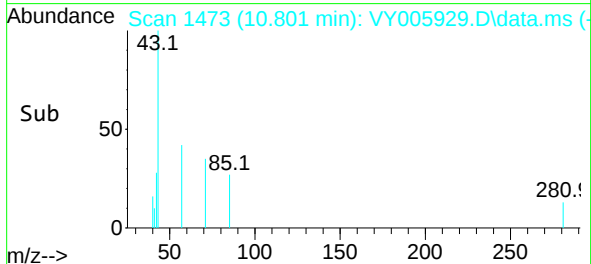
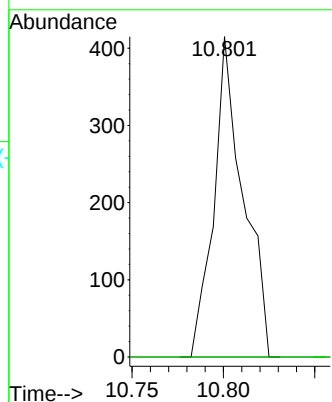
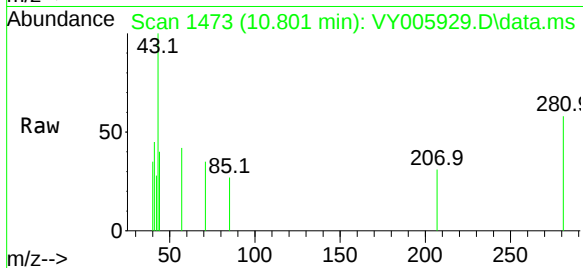




#59
2-Hexanone
Concen: 6.79 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

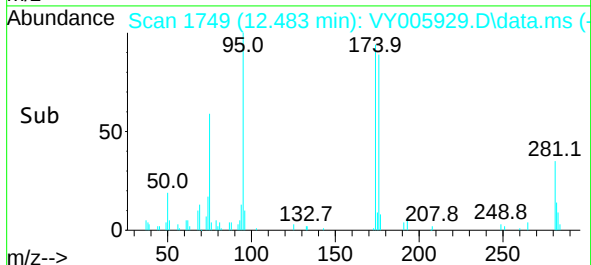
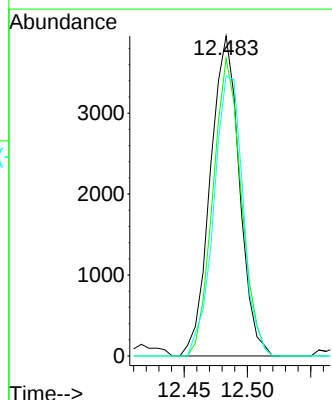
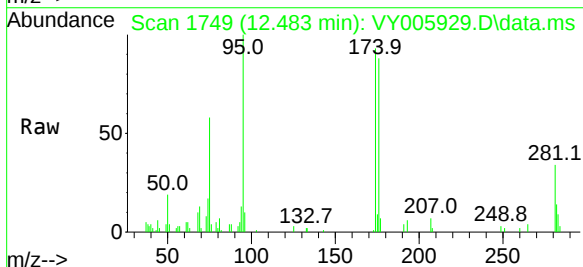
Instrument :
MSVOA_Y
ClientSampled :
G-1

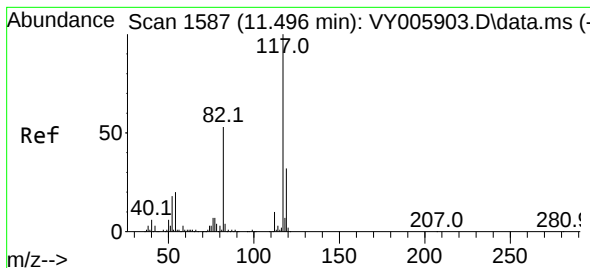
Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 44.97 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 95 Resp: 6323
Ion Ratio Lower Upper
95 100
174 90.0 0.0 192.4
176 87.8 0.0 186.8

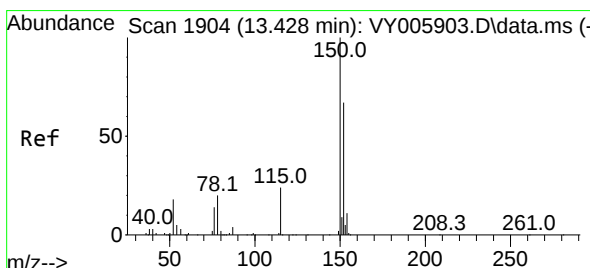
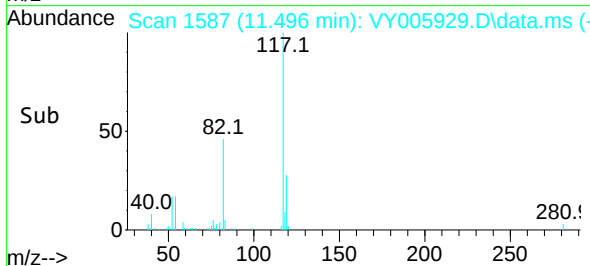
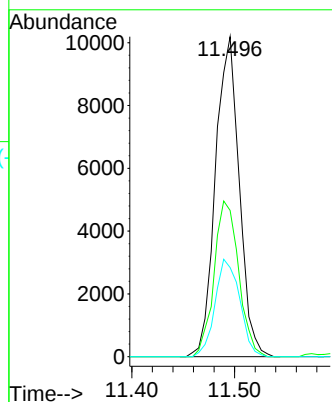
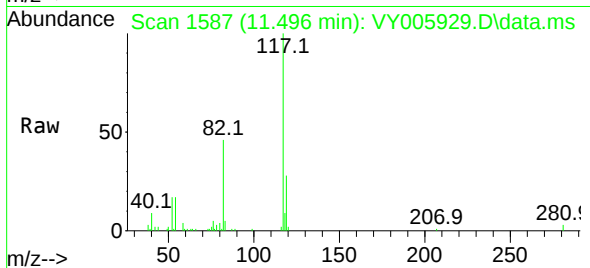




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

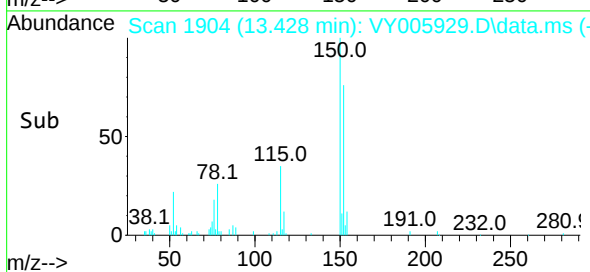
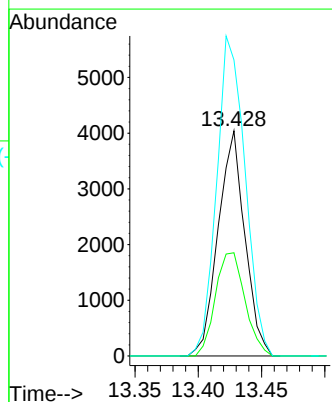
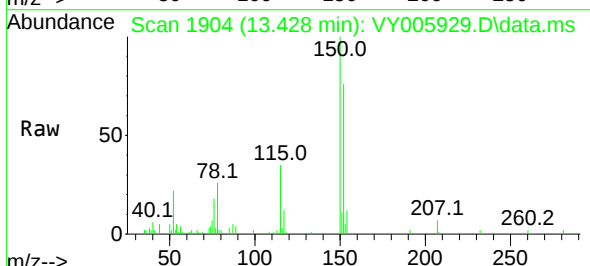
Instrument :
MSVOA_Y
ClientSampleId :
G-1

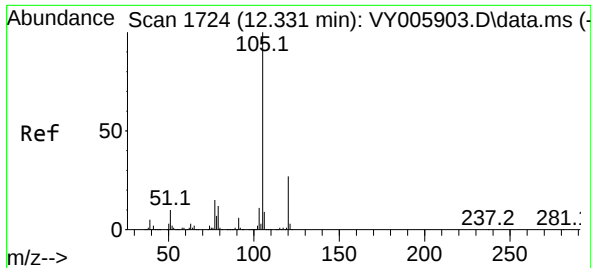
Tgt Ion:	117	Resp:	16355
Ion	Ratio	Lower	Upper
117	100		
82	45.7	42.4	63.6
119	27.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion:	152	Resp:	5939
Ion	Ratio	Lower	Upper
152	100		
115	50.6	26.8	80.4
150	151.3	0.0	345.6

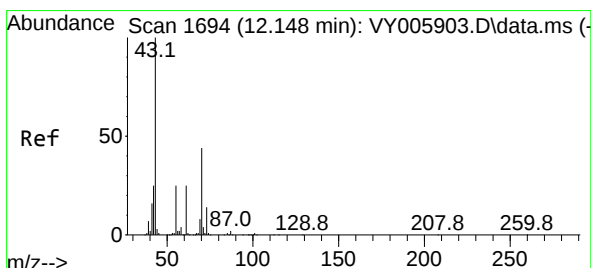
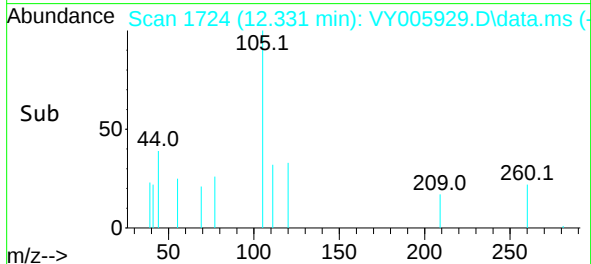
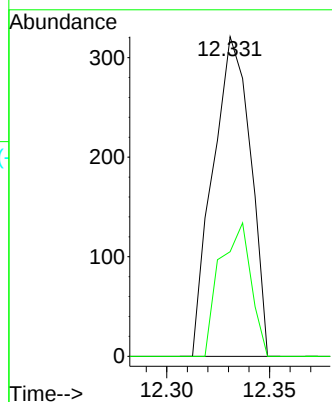
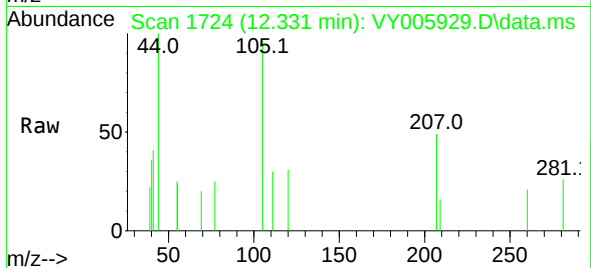




#73
Isopropylbenzene
Concen: 1.03 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

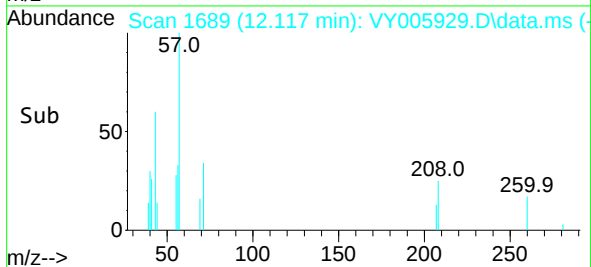
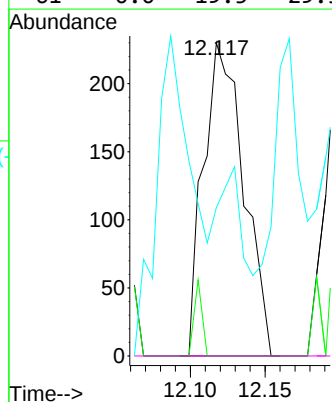
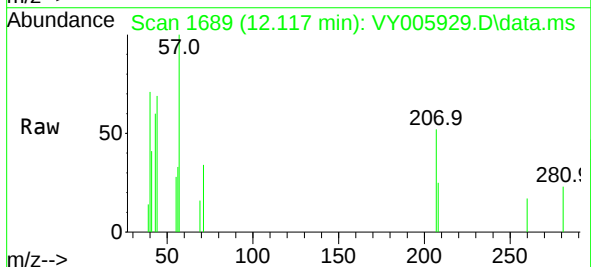
Instrument :
MSVOA_Y
ClientSampled :
G-1

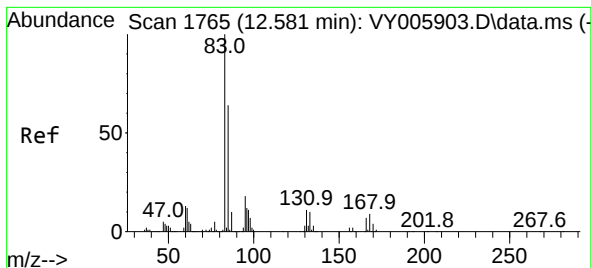
Tgt Ion:105 Resp: 409
Ion Ratio Lower Upper
105 100
120 34.5 13.7 41.0



#74
N-ethyl acetate
Concen: 3.79 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
70 4.7 34.2 51.4#
55 0.0 19.4 29.2#
61 0.0 19.5 29.3#

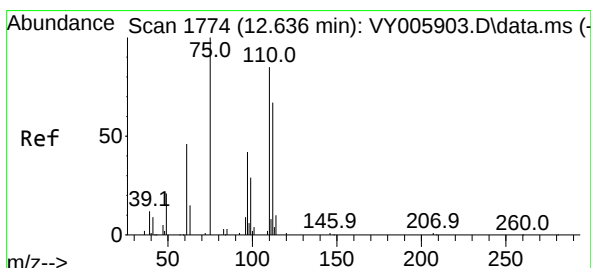
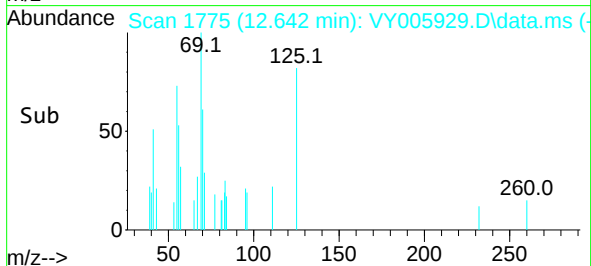
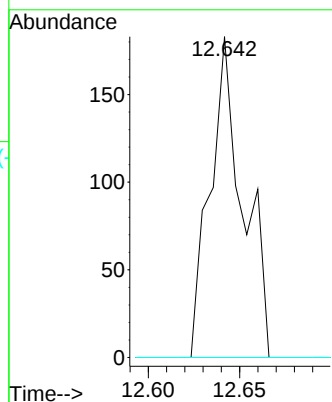
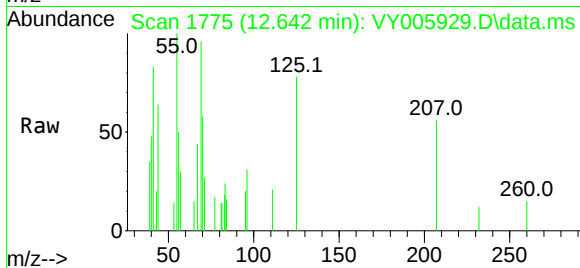




#75
1,1,2,2-Tetrachloroethane
Concen: 3.05 ug/l
RT: 12.642 min Scan# 1775
Delta R.T. 0.061 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

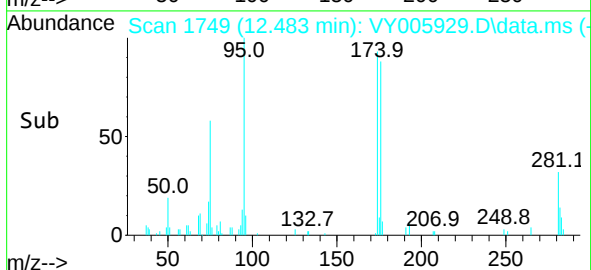
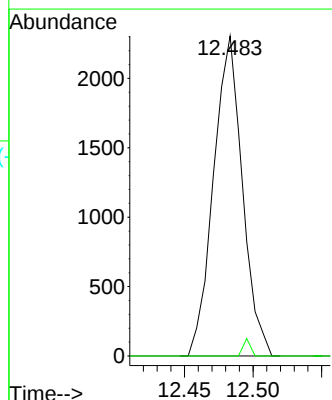
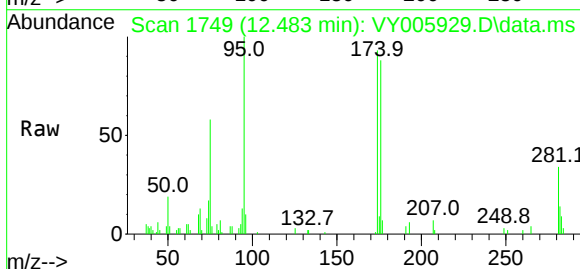
Instrument :
MSVOA_Y
ClientSampled :
G-1

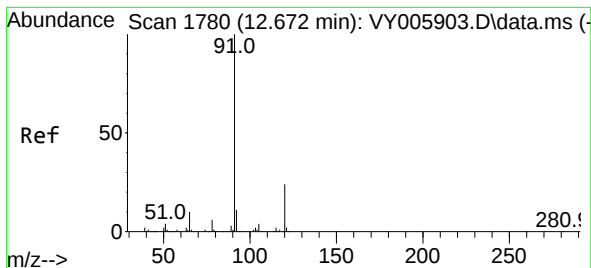
Tgt Ion: 83 Resp: 230
Ion Ratio Lower Upper
83 100
131 0.0 5.7 17.0#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 60.66 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 75 Resp: 3372
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

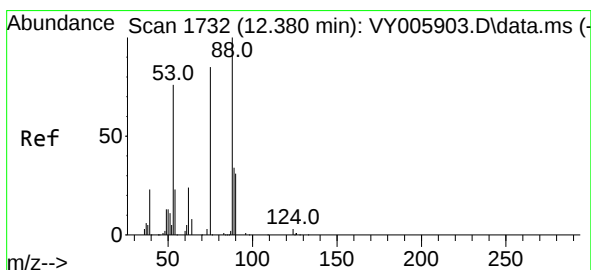
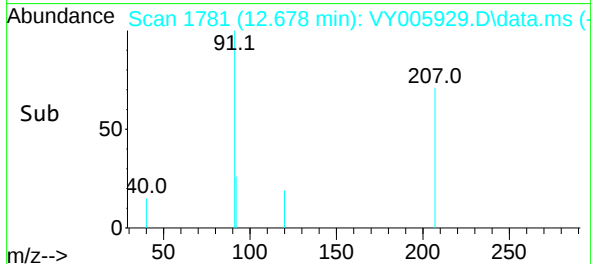
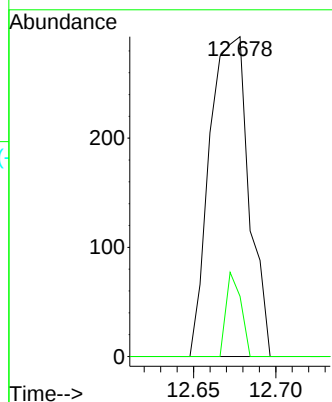
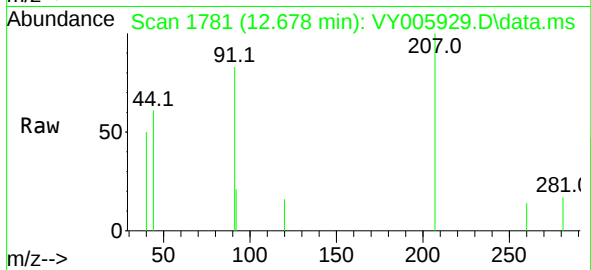




#78
n-propylbenzene
Concen: 1.03 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

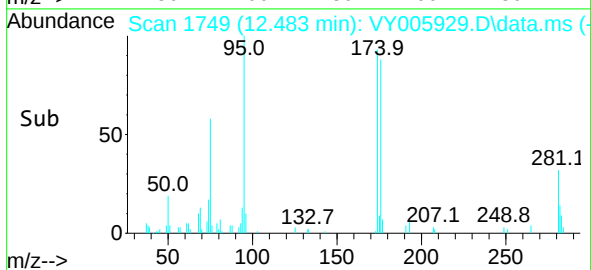
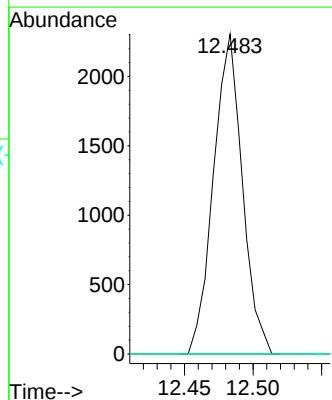
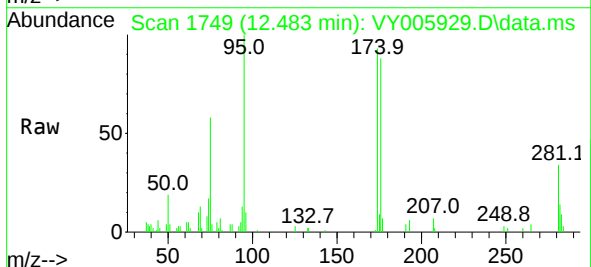
Instrument :
MSVOA_Y
ClientSampled :
G-1

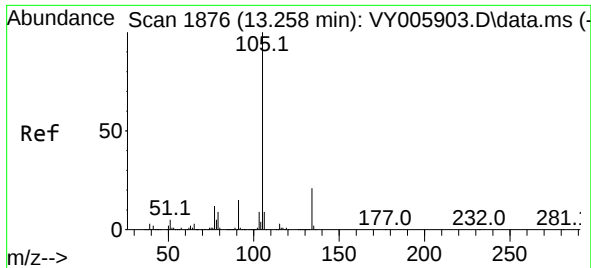
Tgt Ion: 91 Resp: 486
Ion Ratio Lower Upper
91 100
120 9.9 11.9 35.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.37 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005929.D
Acq: 01 Sep 2021 14:40

Tgt Ion: 75 Resp: 3372
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#

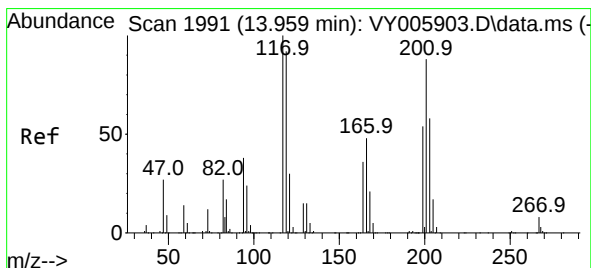
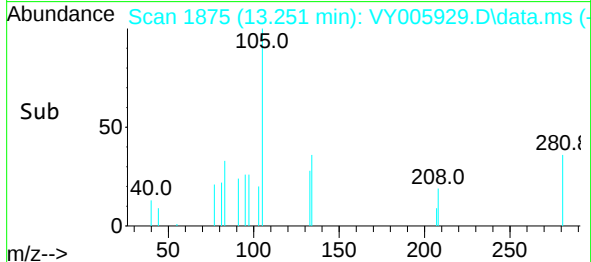
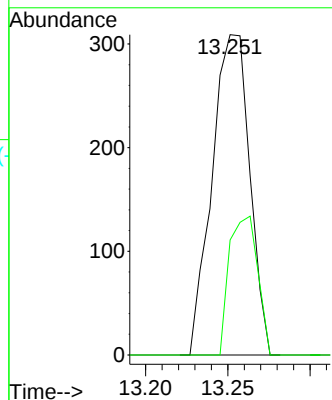
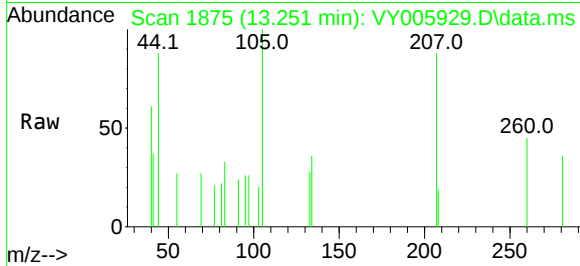




#85
 sec-Butylbenzene
 Concen: 1.15 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.006 min
 Lab File: VY005929.D
 Acq: 01 Sep 2021 14:40

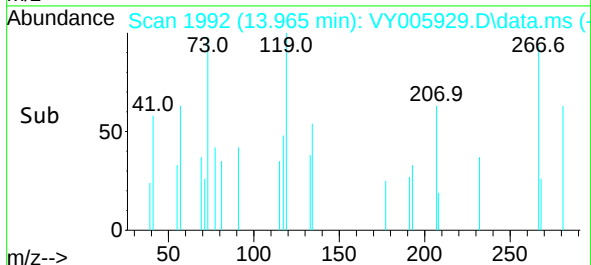
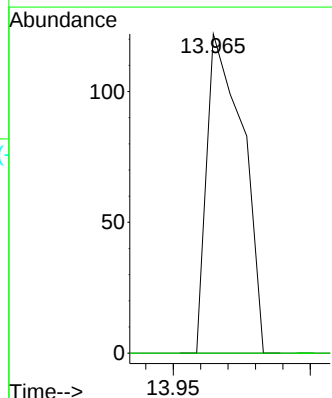
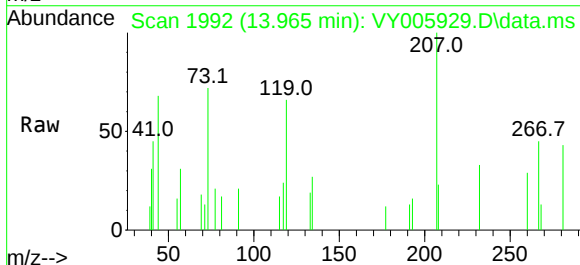
Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1

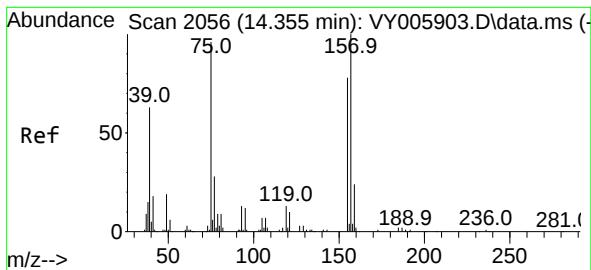
Tgt Ion:105 Resp: 492
 Ion Ratio Lower Upper
 105 100
 134 32.7 10.8 32.3#



#90
 Hexachloroethane
 Concen: 1.65 ug/l
 RT: 13.965 min Scan# 1992
 Delta R.T. 0.006 min
 Lab File: VY005929.D
 Acq: 01 Sep 2021 14:40

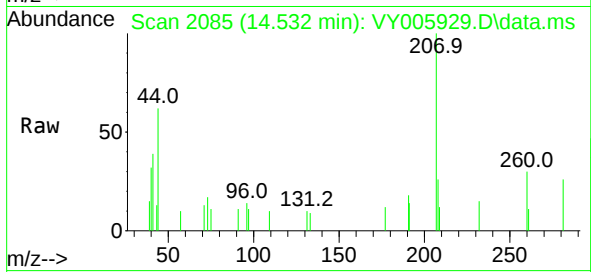
Tgt Ion:117 Resp: 111
 Ion Ratio Lower Upper
 117 100
 201 0.0 47.2 141.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.70 ug/l
 RT: 14.532 min Scan# 2085
 Delta R.T. 0.177 min
 Lab File: VY005929.D
 Acq: 01 Sep 2021 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-1



Tgt Ion:	75	Resp:	24
Ion	Ratio	Lower	Upper
75	100		
155	0.0	43.1	129.3#
157	0.0	54.4	163.3#

