

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041923\
 Data File : VY013342.D
 Acq On : 19 Apr 2023 13:52
 Operator : KP/MD
 Sample : 02371-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 20 06:55:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	9113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	13415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4721	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7530	68.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	137.520%
35) Dibromofluoromethane	7.709	113	6239	69.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	138.660%
50) Toluene-d8	10.185	98	16348	48.804	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.600%
62) 4-Bromofluorobenzene	12.483	95	4684	43.037	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.080%

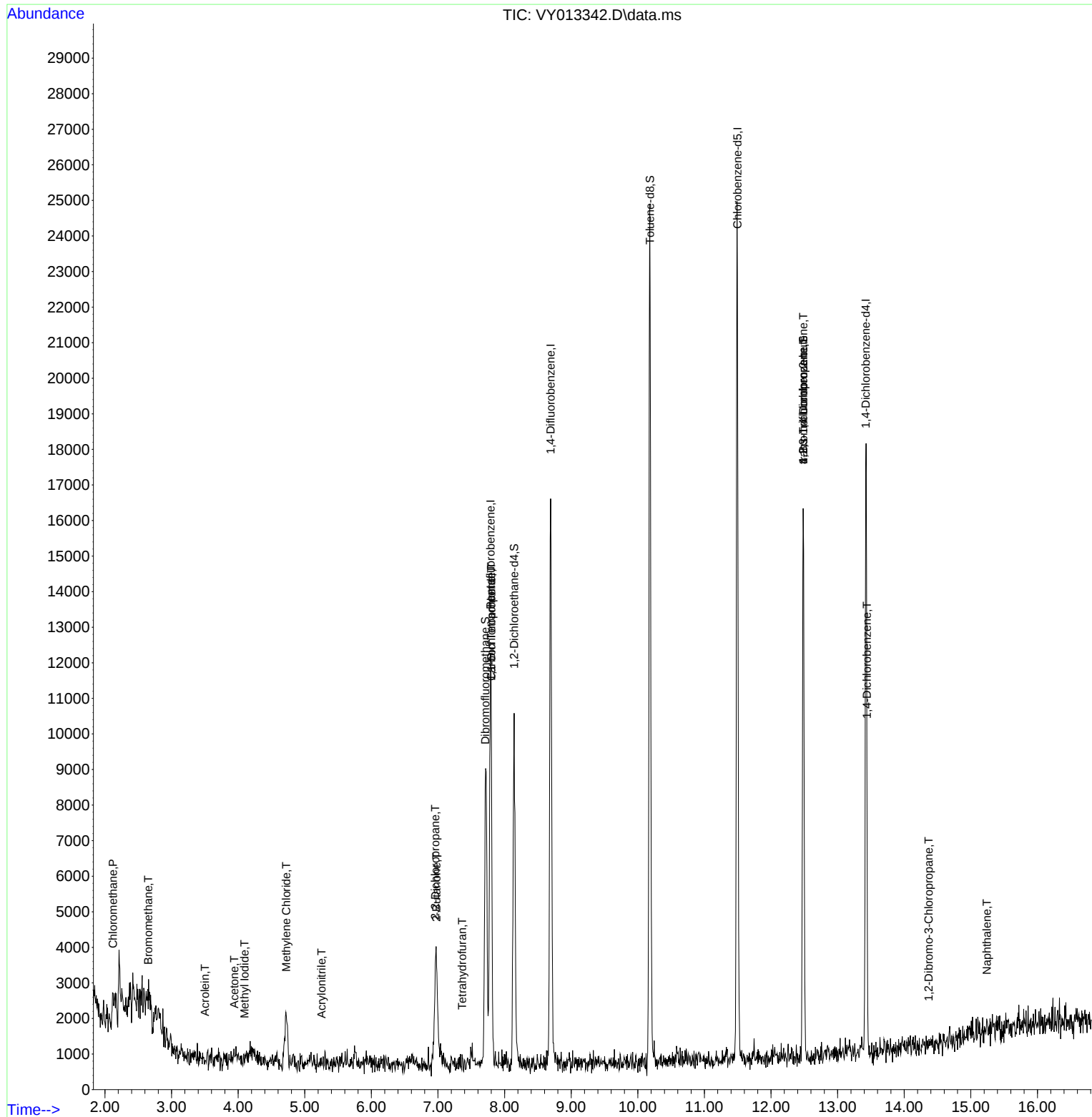
Target Compounds			Qvalue			
3) Chloromethane	2.119	50	493	4.798	ug/l #	84
5) Bromomethane	2.649	94	89	1.191	ug/l #	1
10) Methyl Iodide	4.094	142	297	2.717	ug/l #	56
13) Acrolein	3.503	56	21	1.561	ug/l #	14
15) Acrylonitrile	5.252	53	42	1.327	ug/l #	17
16) Acetone	3.942	43	431	11.446	ug/l #	61
20) Methylene Chloride	4.722	84	978	6.080	ug/l #	58
25) 2-Butanone	6.978	43	87	1.804	ug/l #	49
26) 2,2-Dichloropropane	6.959	77	170	1.051	ug/l #	52
29) Tetrahydrofuran	7.362	42	58	1.981	ug/l #	36
36) 1,1-Dichloropropene	7.801	75	788	5.780	ug/l #	41
38) Carbon Tetrachloride	7.801	117	1017	6.746	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2588	43.993	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2588	91.308	ug/l #	13
88) 1,4-Dichlorobenzene	13.440	146	272	1.724	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.367	75	26	1.790	ug/l #	1
95) Naphthalene	15.238	128	470	5.329	ug/l #	69

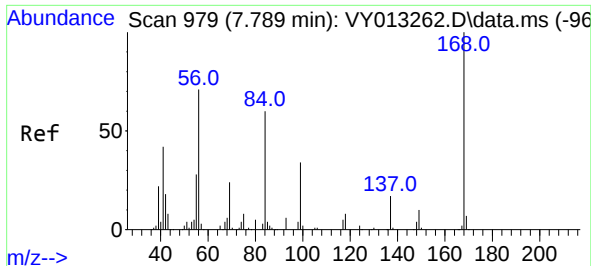
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 20 06:55:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

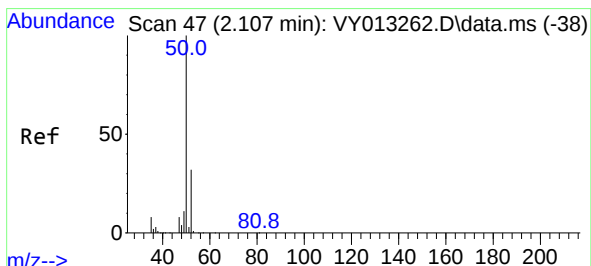
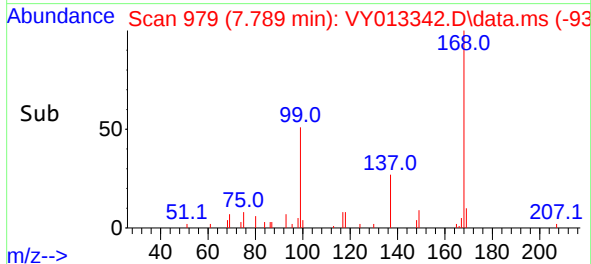
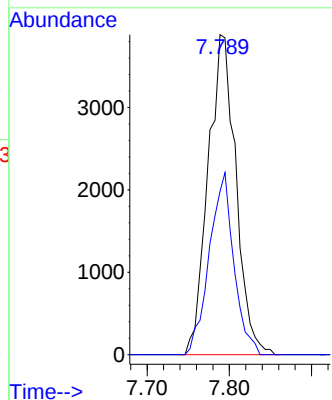
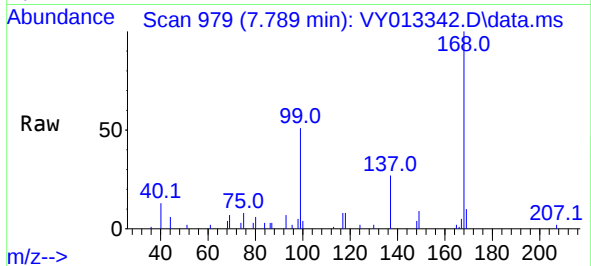




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

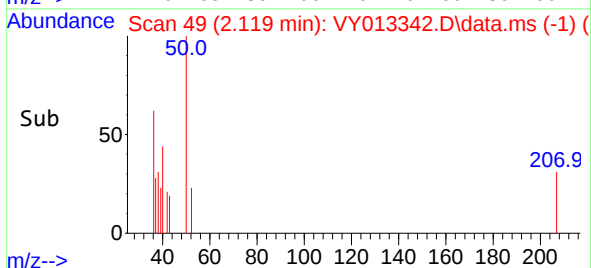
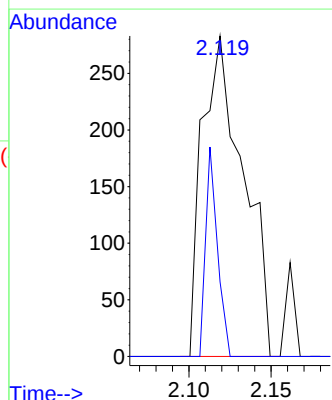
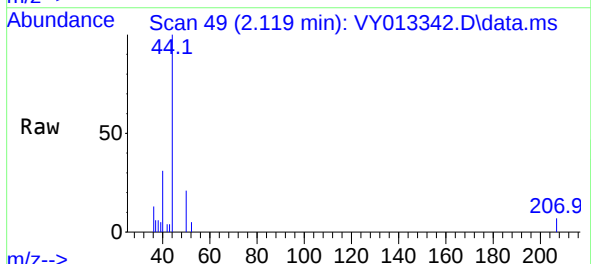
Instrument :
MSVOA_Y
ClientSampleId :

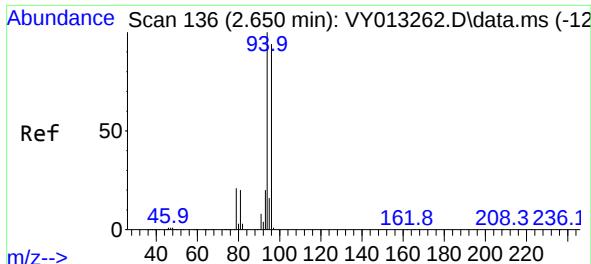
Tgt Ion:168 Resp: 9113
Ion Ratio Lower Upper
168 100
99 51.0 41.7 62.5



#3
Chloromethane
Concen: 4.798 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

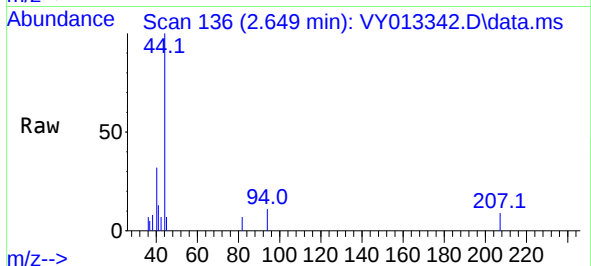
Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 23.3 26.0 39.0#



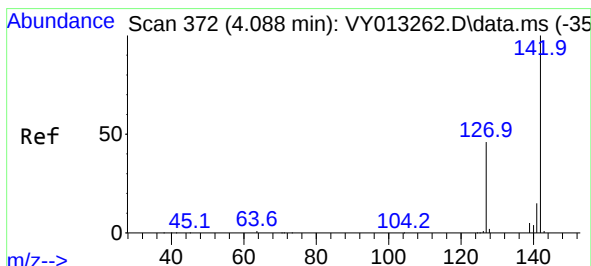
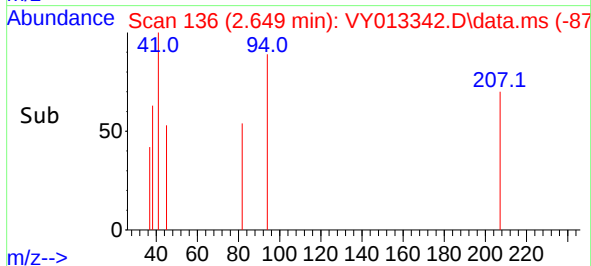
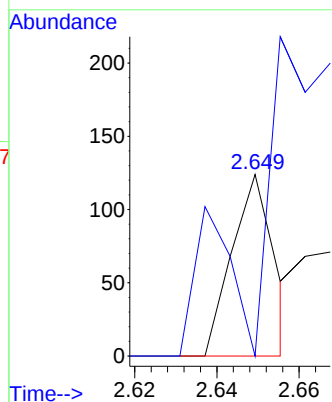


#5
Bromomethane
Concen: 1.191 ug/l
RT: 2.649 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :

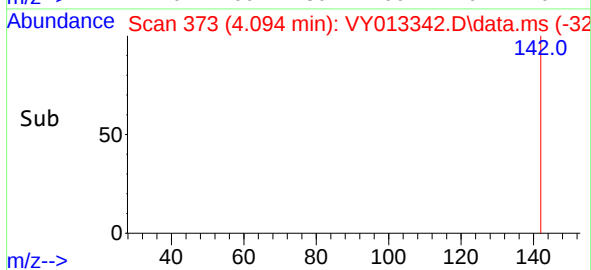
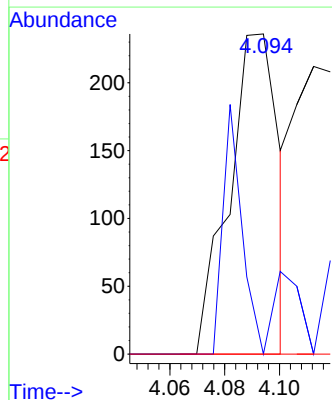
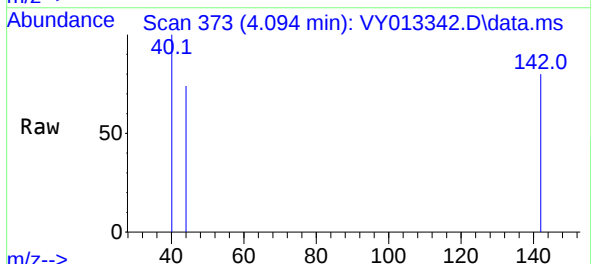


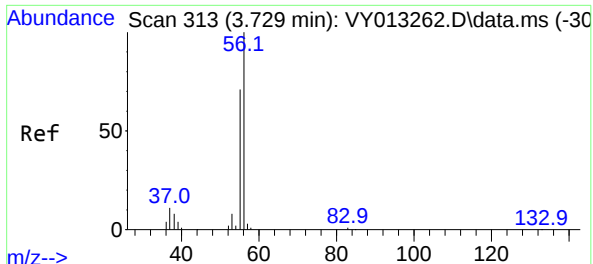
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 0.0 80.3 120.5#



#10
Methyl Iodide
Concen: 2.717 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

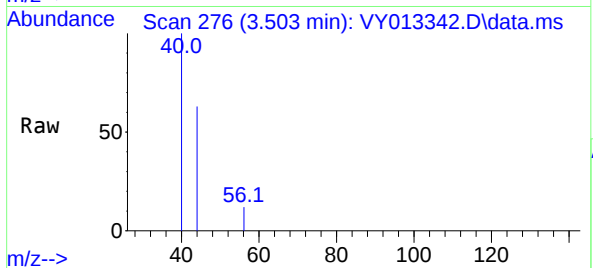
Tgt Ion:142 Resp: 297
Ion Ratio Lower Upper
142 100
127 13.8 35.4 53.2#
141 0.0 11.3 16.9#



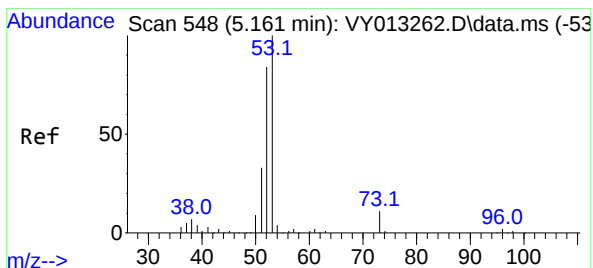
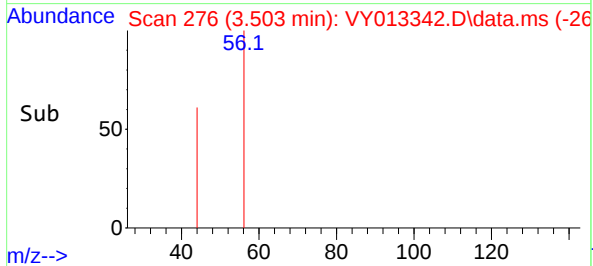
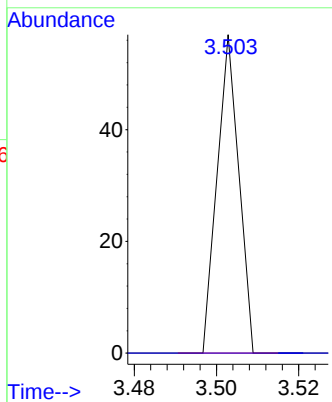


#13
Acrolein
Concen: 1.561 ug/l
RT: 3.503 min Scan# 21
Delta R.T. -0.226 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :

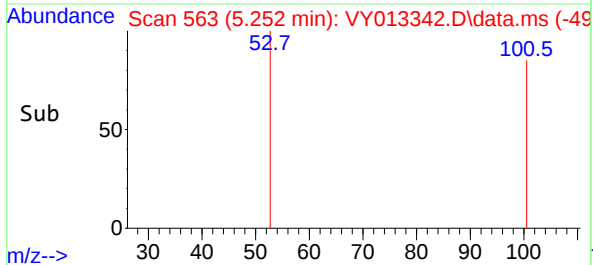
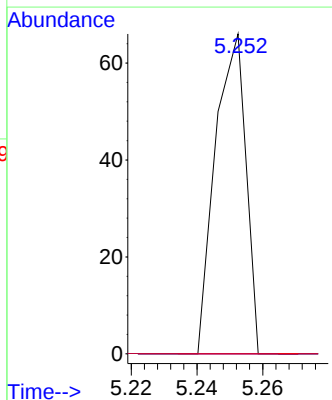
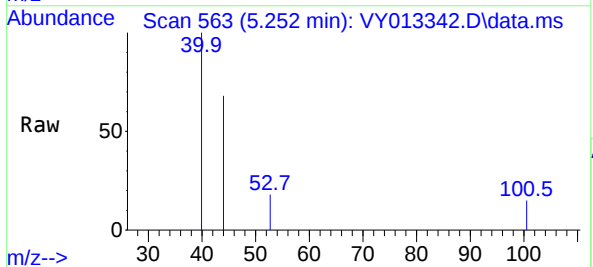


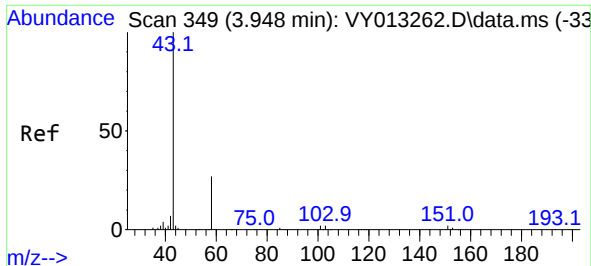
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#15
Acrylonitrile
Concen: 1.327 ug/l
RT: 5.252 min Scan# 563
Delta R.T. 0.091 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Tgt Ion: 53 Resp: 42
Ion Ratio Lower Upper
53 100
52 0.0 66.3 99.5#
51 0.0 28.8 43.2#

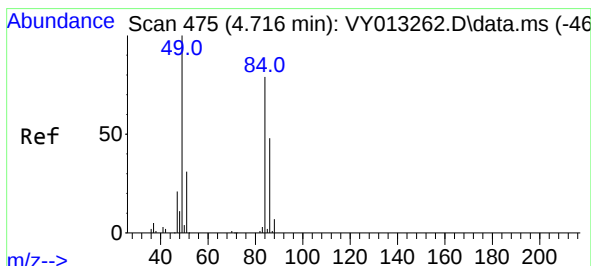
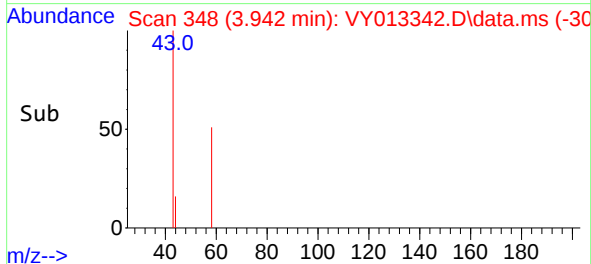
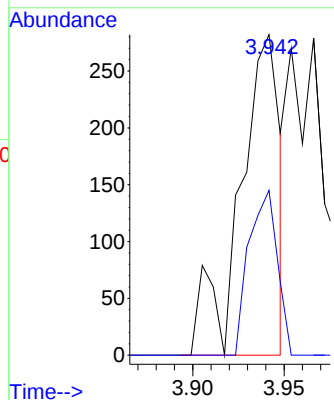
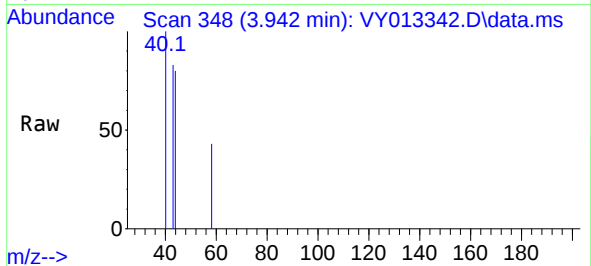




#16
Acetone
Concen: 11.446 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.007 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

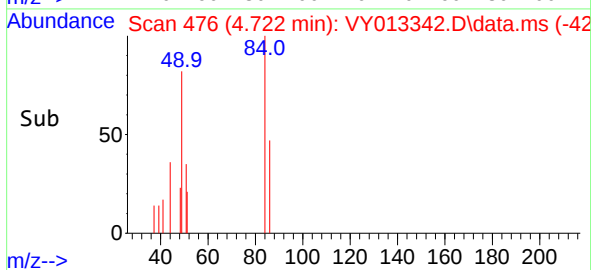
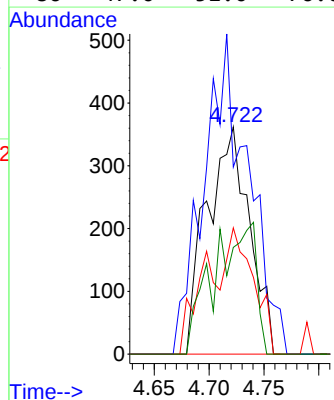
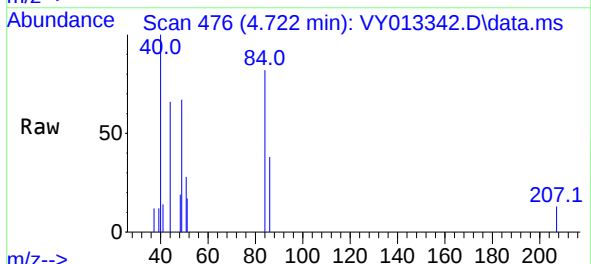
Instrument :
MSVOA_Y
ClientSampleId :

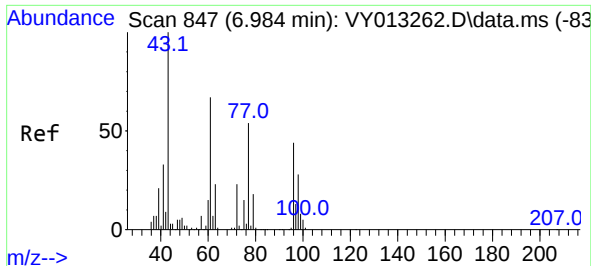
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
58 51.4 24.2 36.2#



#20
Methylene Chloride
Concen: 6.080 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

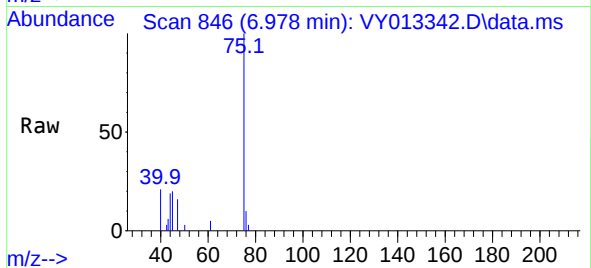
Tgt Ion: 84 Resp: 978
Ion Ratio Lower Upper
84 100
49 62.4 102.6 154.0#
51 55.5 31.9 47.9#
86 47.0 51.0 76.6#



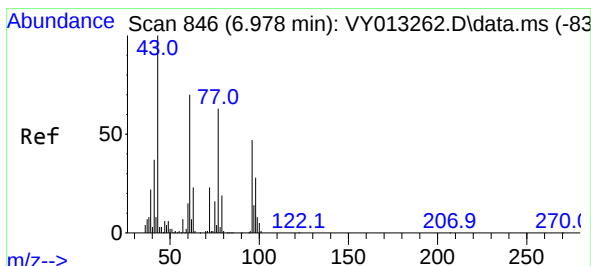
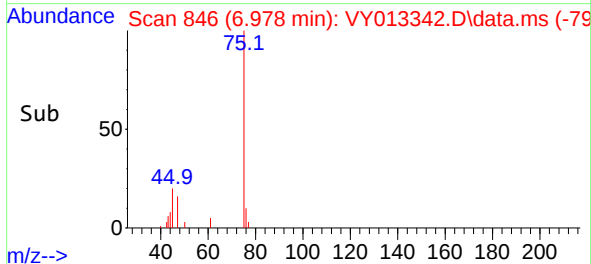
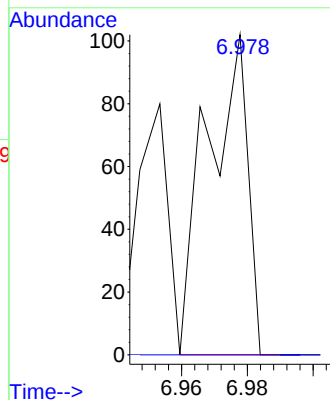


#25
2-Butanone
Concen: 1.804 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.007 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :

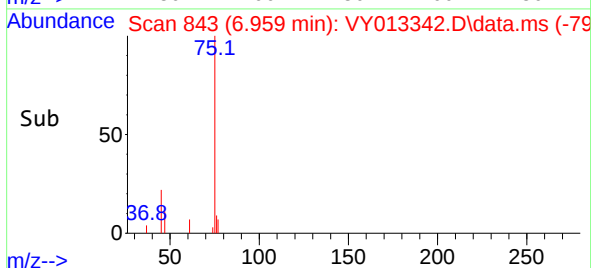
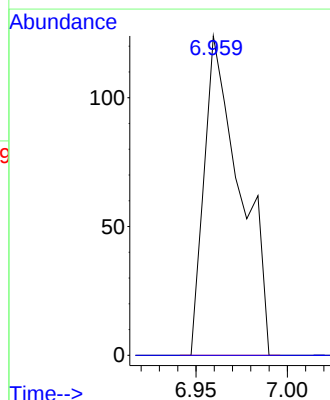
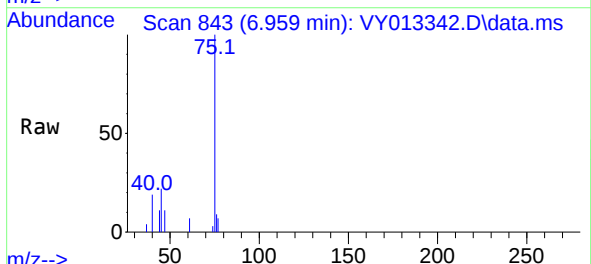


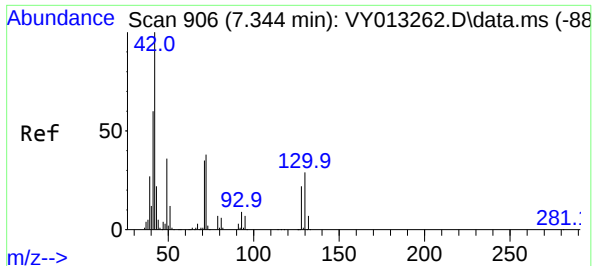
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#26
2,2-Dichloropropane
Concen: 1.051 ug/l
RT: 6.959 min Scan# 843
Delta R.T. -0.019 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Tgt Ion: 77 Resp: 170
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

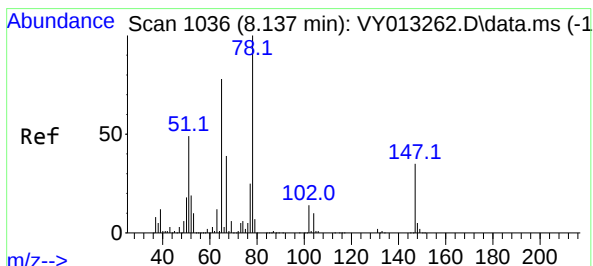
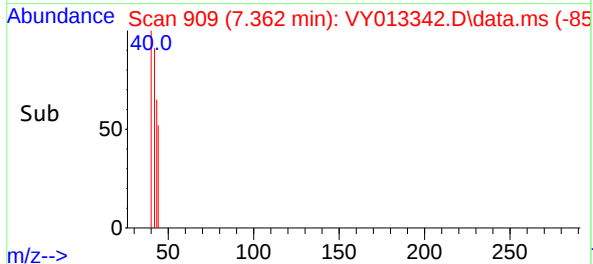
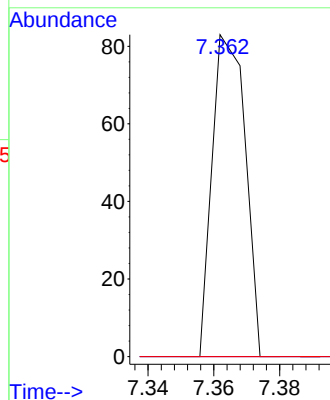
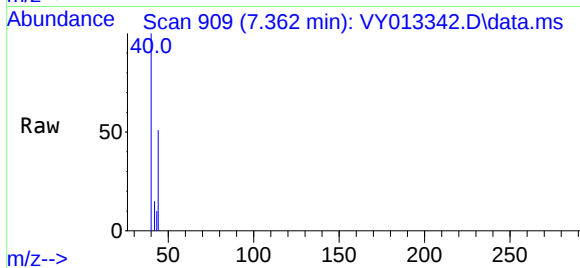




#29
Tetrahydrofuran
Concen: 1.981 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

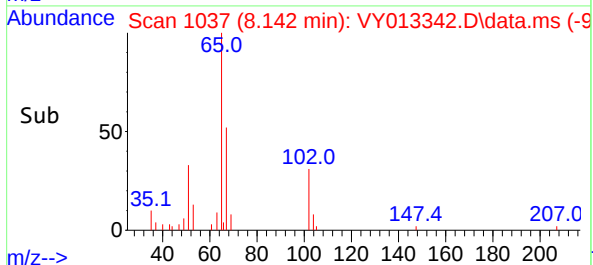
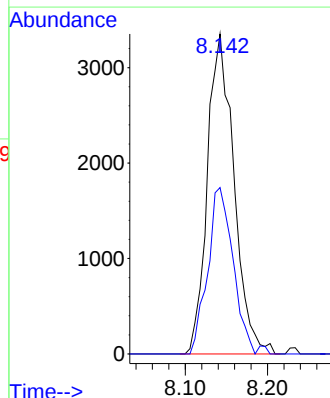
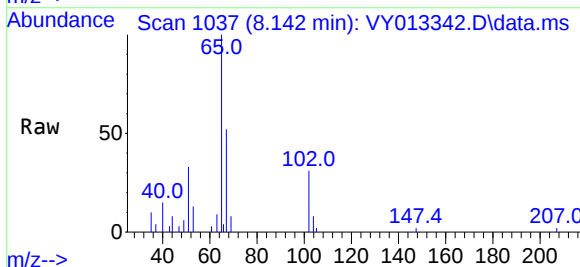
Instrument :
MSVOA_Y
ClientSampleId :

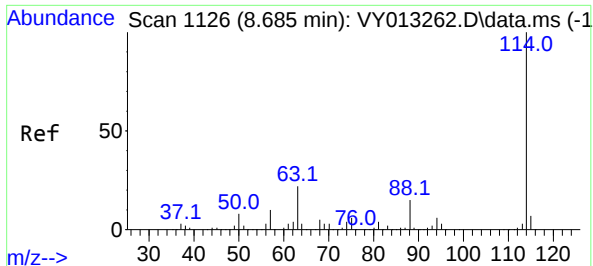
Tgt Ion:	42	Resp:	58
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.3	48.5#
71	0.0	30.3	45.5#



#33
1,2-Dichloroethane-d4
Concen: 68.756 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Tgt Ion:	65	Resp:	7530
Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY013342.D

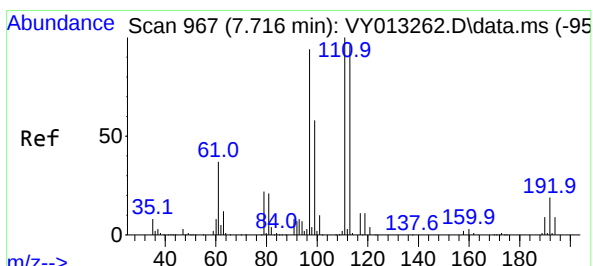
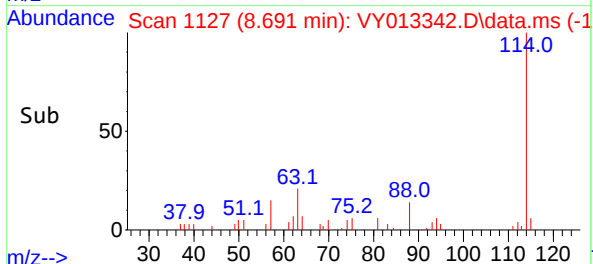
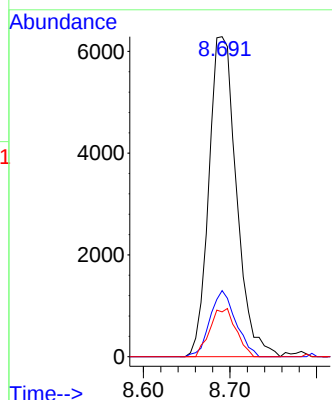
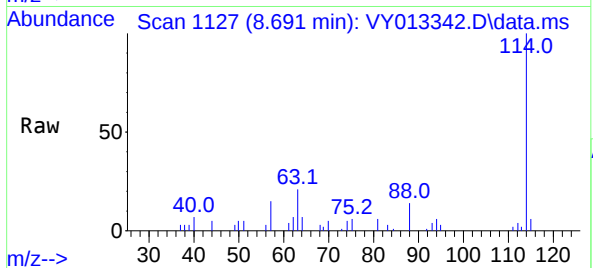
Acq: 19 Apr 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	13901
Ion Ratio	Lower	Upper
114	100	
63	20.7	0.0 37.4
88	14.0	0.0 28.6



#35

Dibromofluoromethane

Concen: 69.327 ug/l

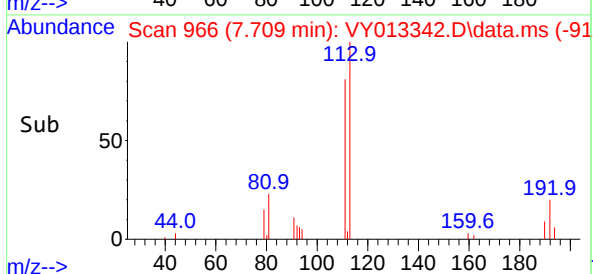
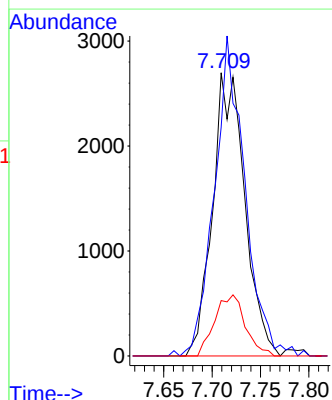
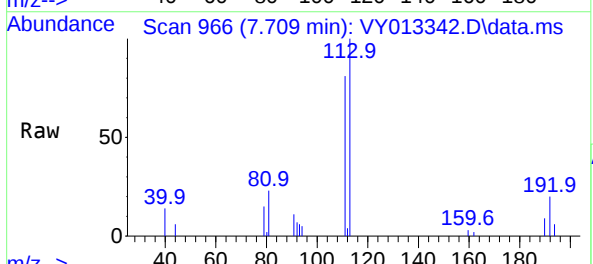
RT: 7.709 min Scan# 966

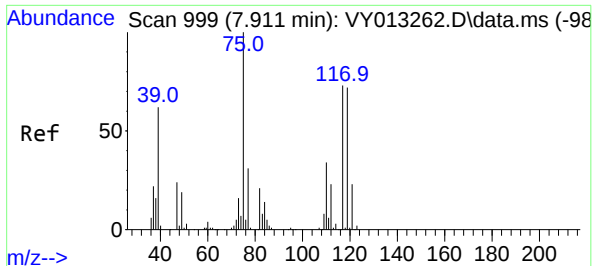
Delta R.T. -0.007 min

Lab File: VY013342.D

Acq: 19 Apr 2023 13:52

Tgt Ion:113	Resp:	6239
Ion Ratio	Lower	Upper
113	100	
111	107.6	82.2 123.2
192	20.5	16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.780 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.110 min

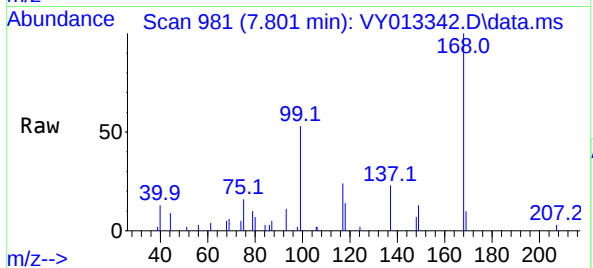
Lab File: VY013342.D

Acq: 19 Apr 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :



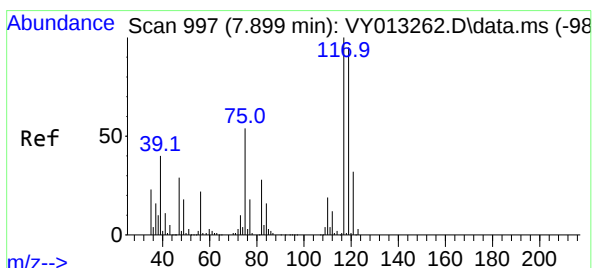
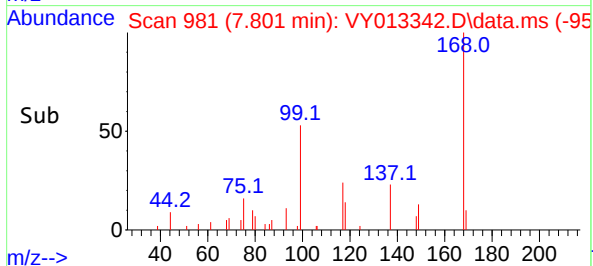
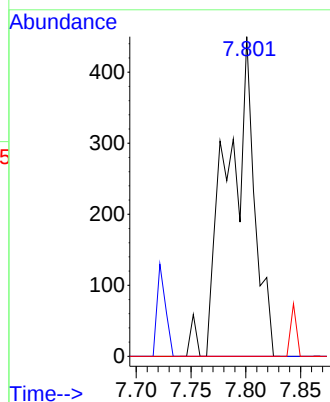
Tgt Ion: 75 Resp: 788

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.746 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.098 min

Lab File: VY013342.D

Acq: 19 Apr 2023 13:52

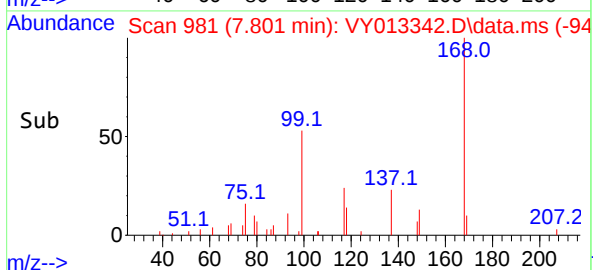
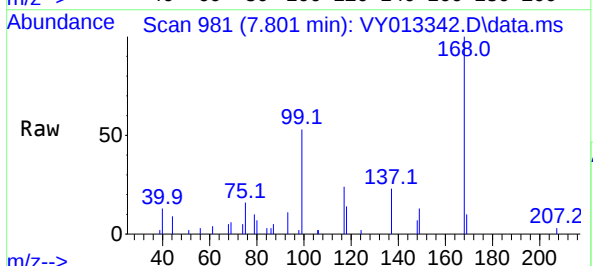
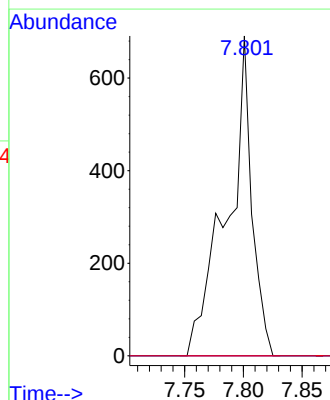
Tgt Ion: 117 Resp: 1017

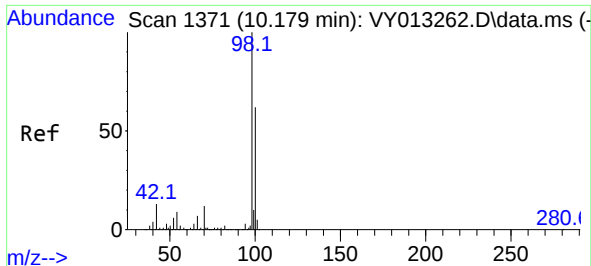
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#

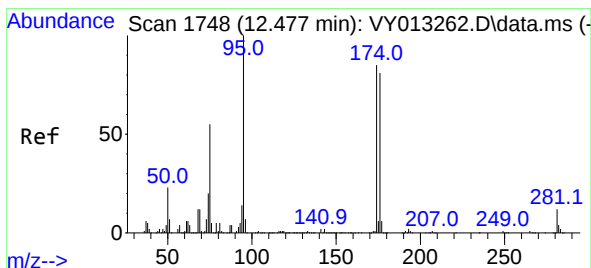
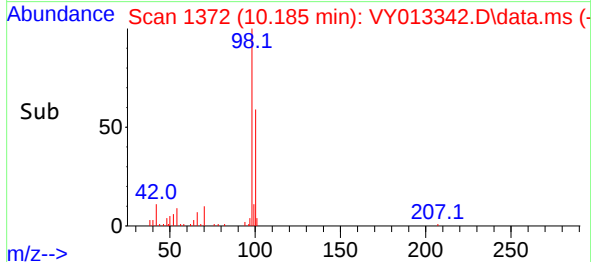
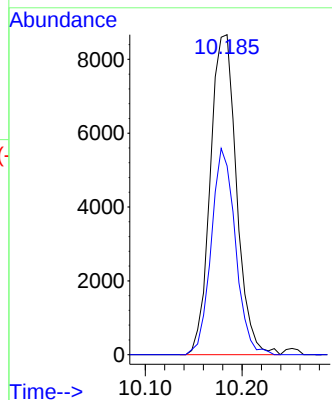
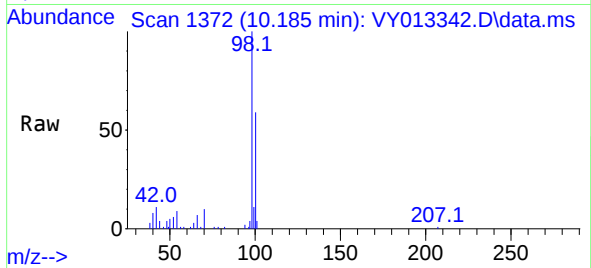




#50
Toluene-d8
Concen: 48.804 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

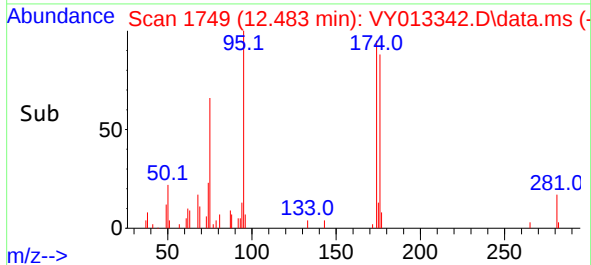
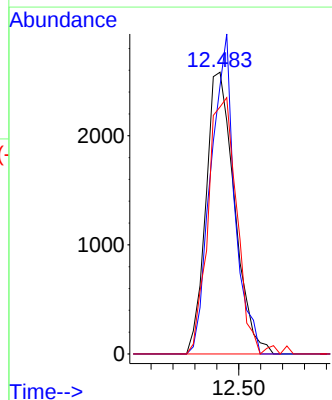
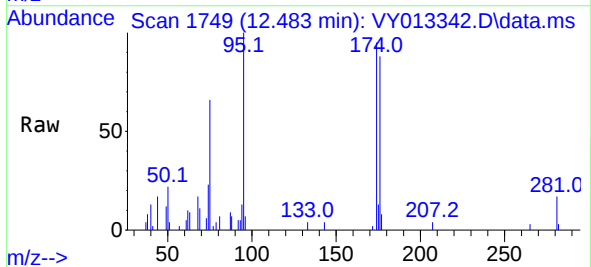
Instrument :
MSVOA_Y
ClientSampleId :

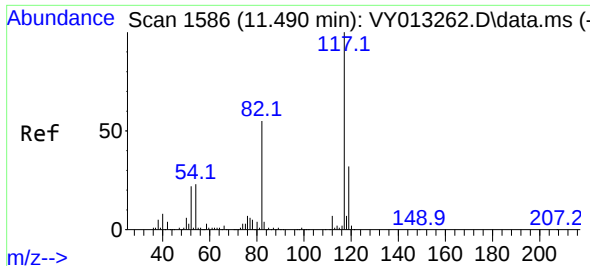
Tgt Ion: 98 Resp: 16348
Ion Ratio Lower Upper
98 100
100 59.5 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.037 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

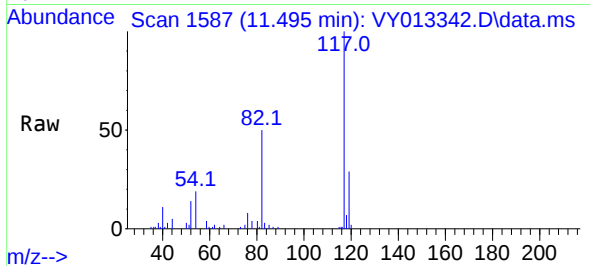
Tgt Ion: 95 Resp: 4684
Ion Ratio Lower Upper
95 100
174 94.1 0.0 176.6
176 90.8 0.0 170.2



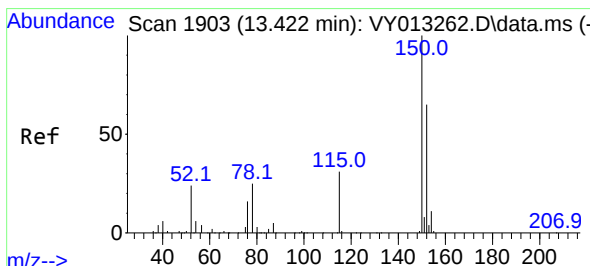
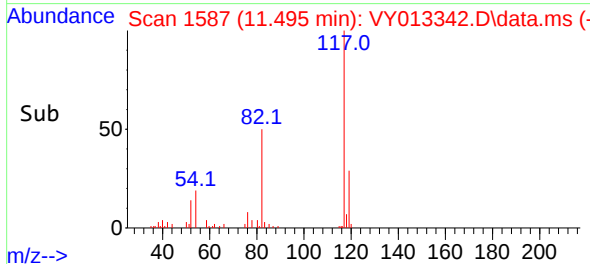
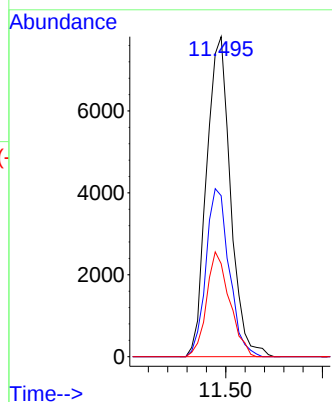


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :

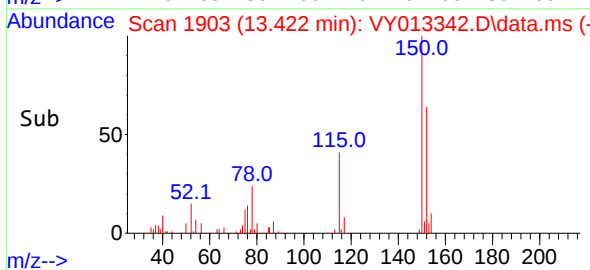
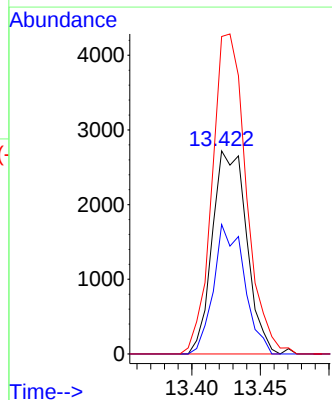
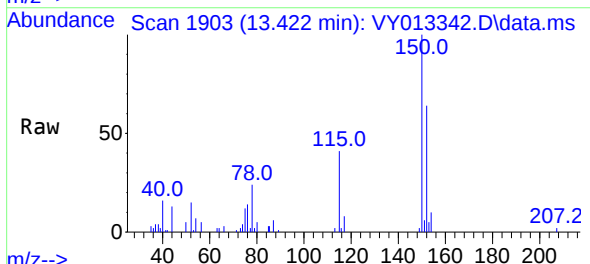


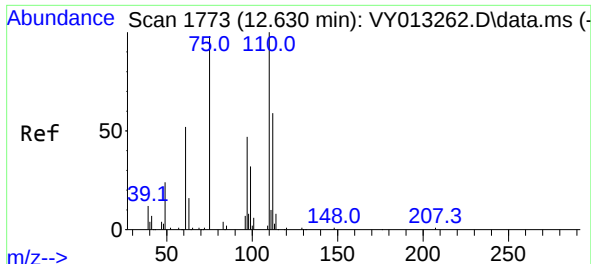
Tgt Ion:117 Resp: 13415
Ion Ratio Lower Upper
117 100
82 50.3 45.4 68.0
119 29.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Tgt Ion:152 Resp: 4721
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 157.0 0.0 347.8

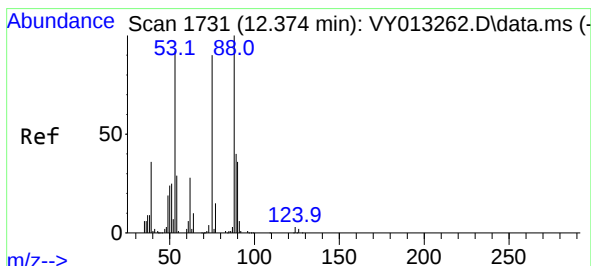
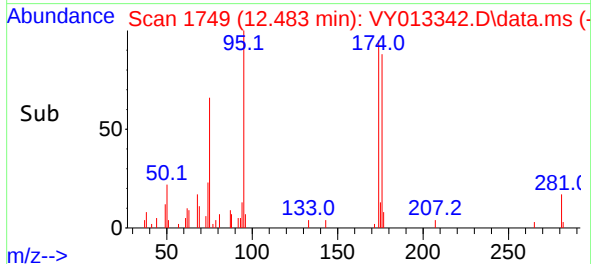
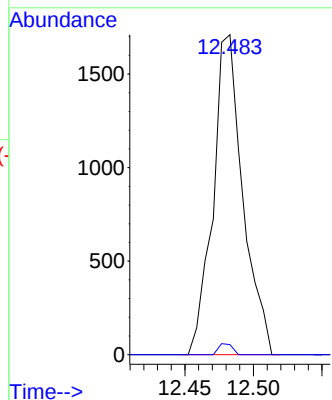
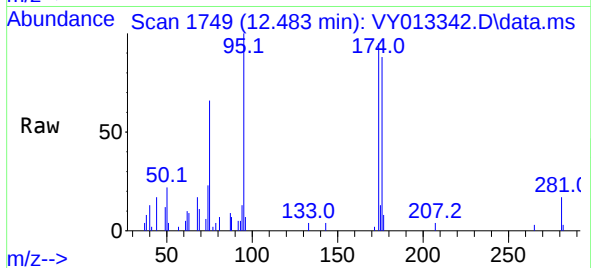




#76
1,2,3-Trichloropropane
Concen: 43.993 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

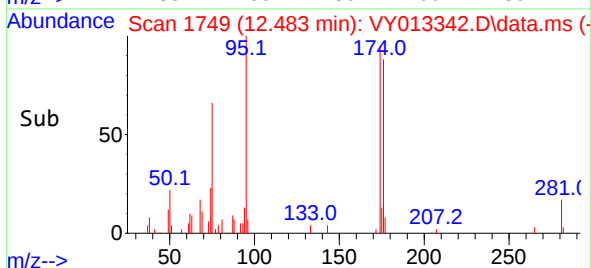
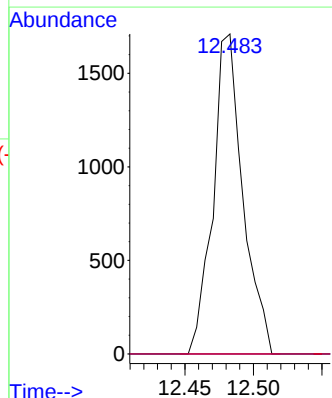
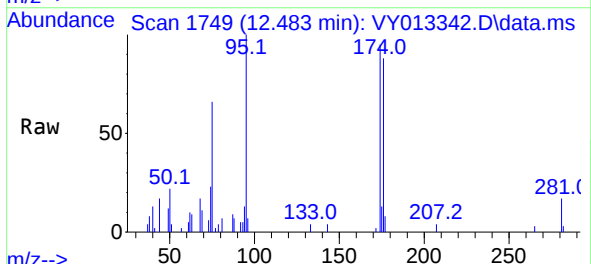
Instrument :
MSVOA_Y
ClientSampleId :

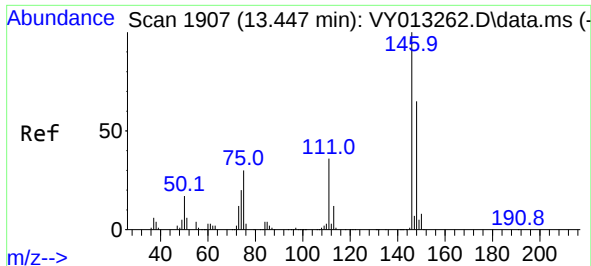
Tgt Ion: 75 Resp: 2588
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.308 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

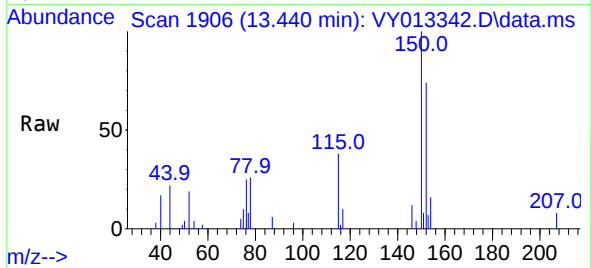
Tgt Ion: 75 Resp: 2588
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



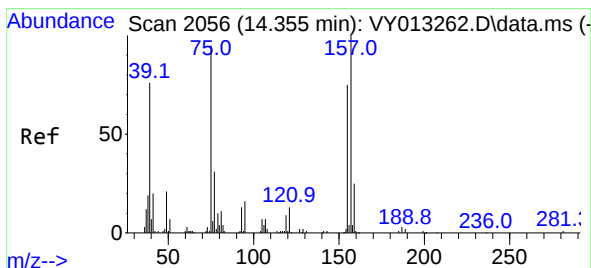
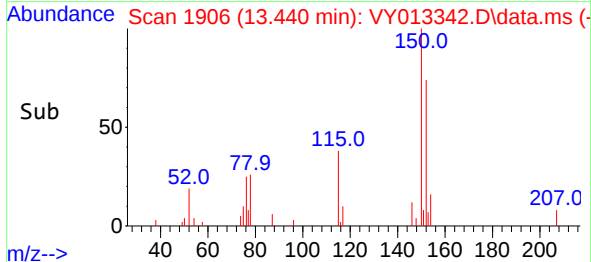
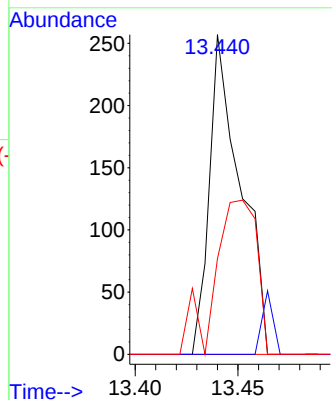


#88
1,4-Dichlorobenzene
Concen: 1.724 ug/l
RT: 13.440 min Scan# 1907
Delta R.T. -0.007 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :

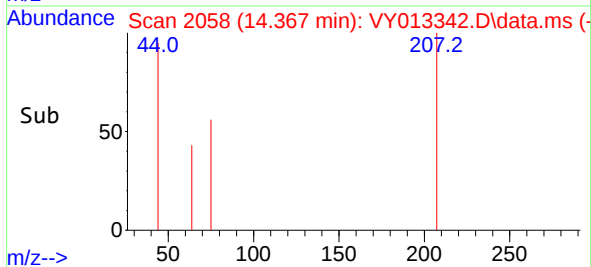
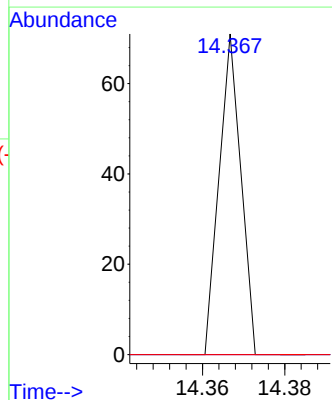
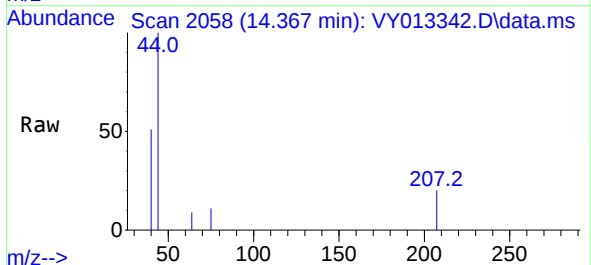


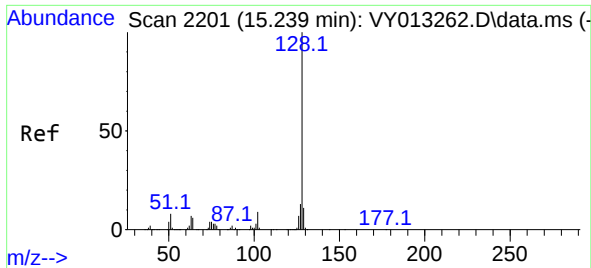
Tgt Ion:146 Resp: 272
Ion Ratio Lower Upper
146 100
111 0.0 18.6 55.8#
148 0.0 31.5 94.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.790 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.012 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

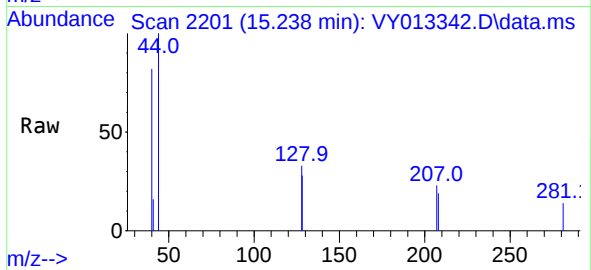
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.4#
157 0.0 54.1 162.3#





#95
Naphthalene
Concen: 5.329 ug/l
RT: 15.238 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY013342.D
Acq: 19 Apr 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 470
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

