

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013698.D
 Acq On : 10 May 2023 19:14
 Operator : KP/MD
 Sample : 02719-08
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-02_5-7_20230509

Quant Time: May 11 03:32:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

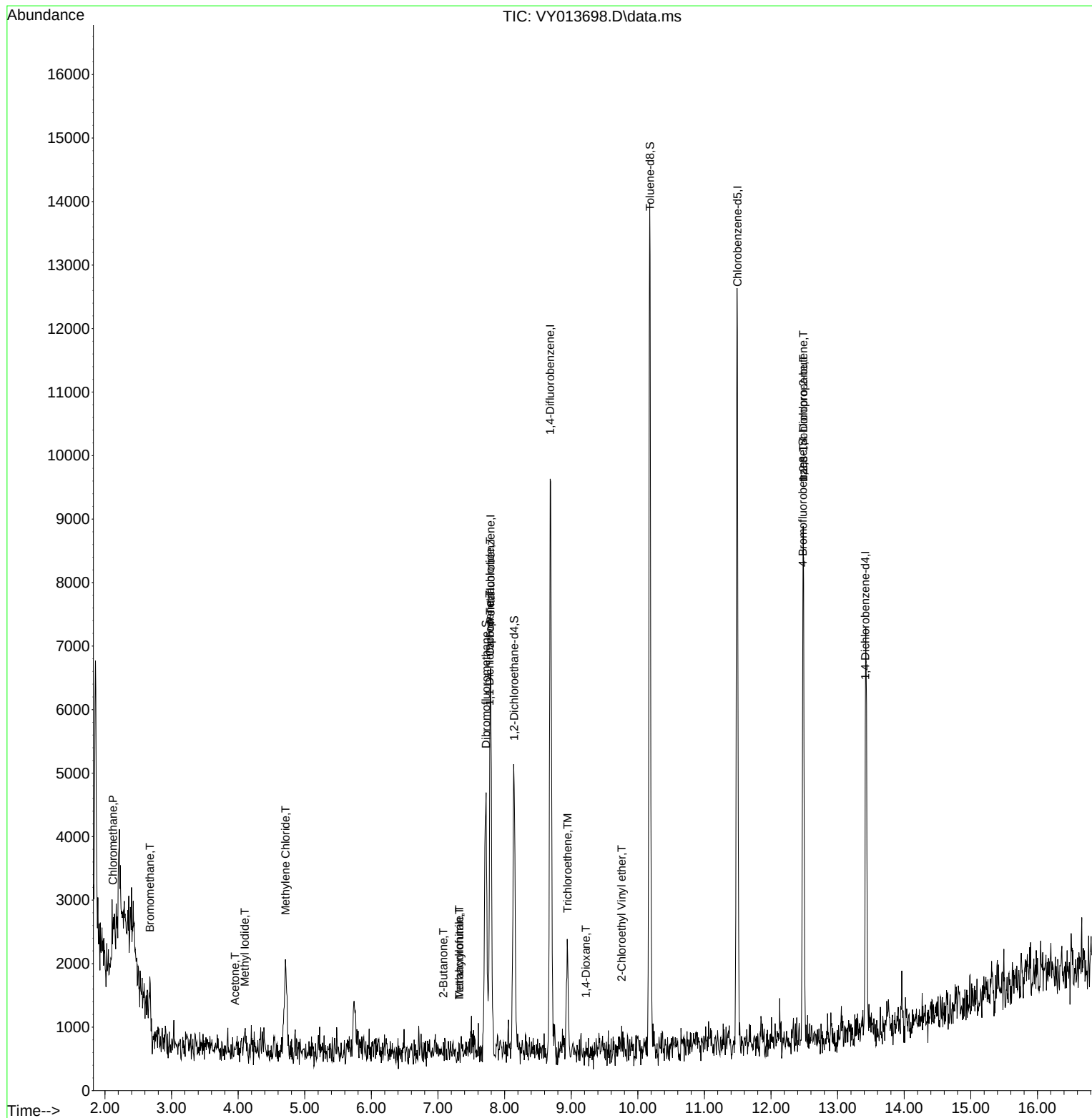
Internal Standards						
1) Pentafluorobenzene	7.789	168	5229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	7975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	6745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.416	152	2080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3924	68.456	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.920%			
35) Dibromofluoromethane	7.722	113	2882	57.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.920%			
50) Toluene-d8	10.185	98	9249	51.834	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.477	95	2266	37.669	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.340%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	539	8.089	ug/l	97
5) Bromomethane	2.674	94	288	5.447	ug/l	96
10) Methyl Iodide	4.101	142	476	6.722	ug/l #	58
13) Acrolein	3.753	56	19	Below Cal	#	16
16) Acetone	3.954	43	85	3.765	ug/l #	43
20) Methylene Chloride	4.710	84	1014	7.455	ug/l #	89
25) 2-Butanone	7.082	43	47	1.642	ug/l #	47
29) Tetrahydrofuran	7.319	42	38	2.132	ug/l #	32
36) 1,1-Dichloropropene	7.777	75	446	5.358	ug/l #	40
38) Carbon Tetrachloride	7.783	117	454	5.203	ug/l #	11
41) Methacrylonitrile	7.319	41	44	1.507	ug/l #	21
44) Trichloroethene	8.947	130	592	9.491	ug/l	87
49) 1,4-Dioxane	9.222	88	31	59.167	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.758	63	46	1.820	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	1230	43.848	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1230	89.694	ug/l #	12

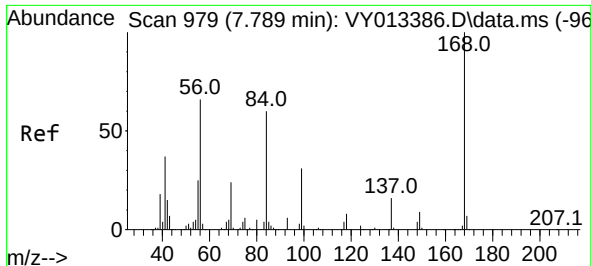
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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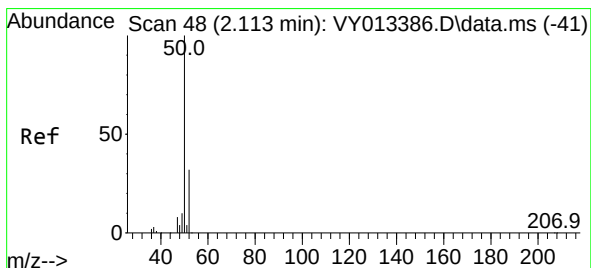
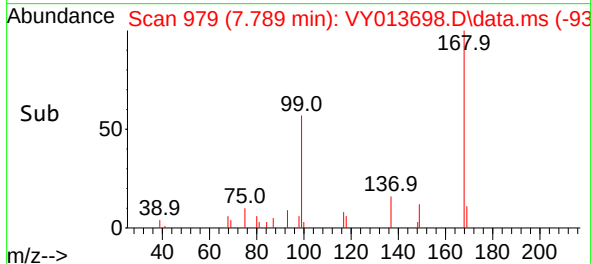
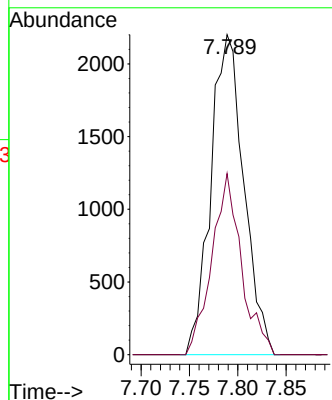
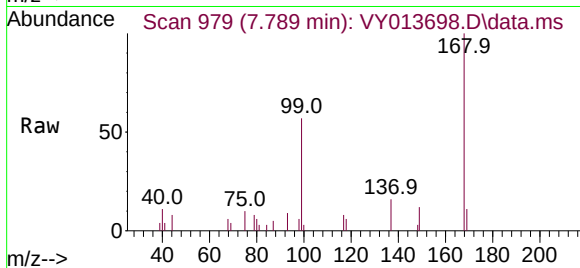




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

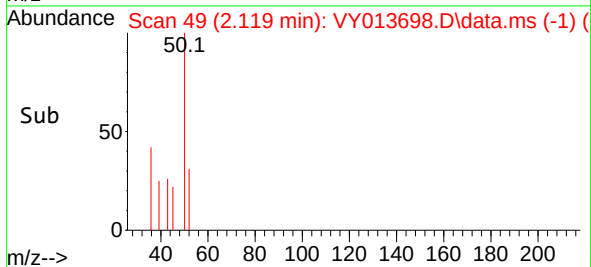
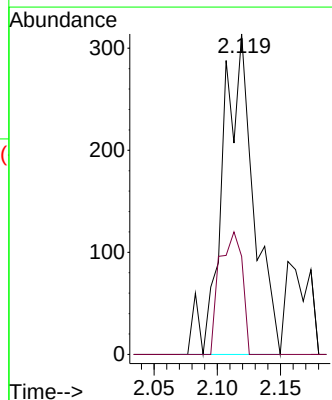
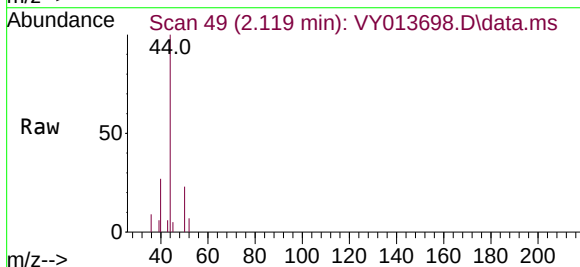
Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

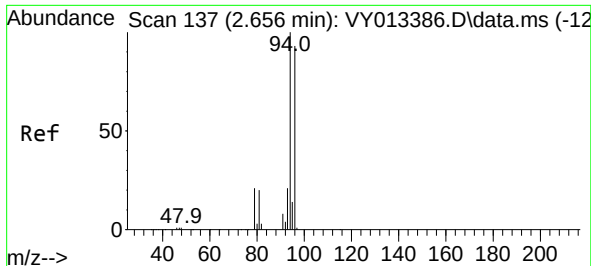
Tgt Ion:168 Resp: 5229
Ion Ratio Lower Upper
168 100
99 56.6 41.8 62.6



#3
Chloromethane
Concen: 8.089 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion: 50 Resp: 539
Ion Ratio Lower Upper
50 100
52 30.6 25.9 38.9

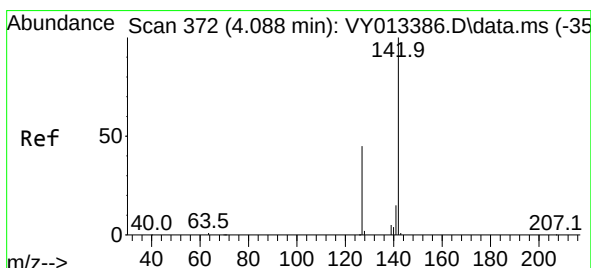
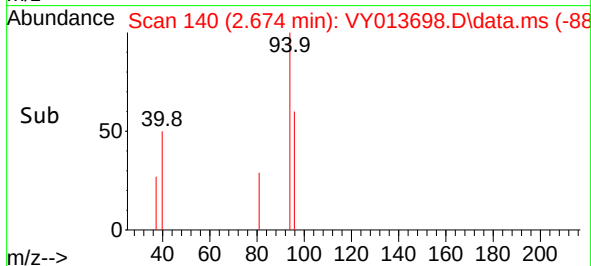
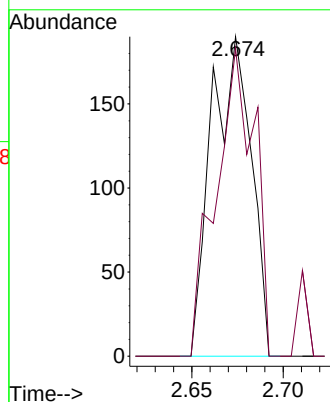
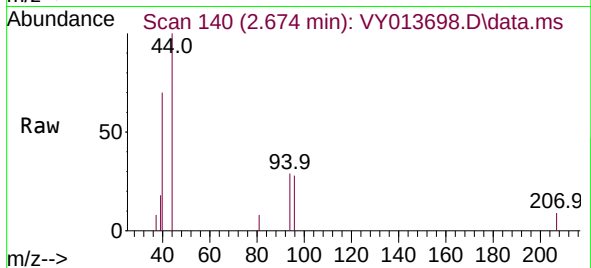




#5
Bromomethane
Concen: 5.447 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

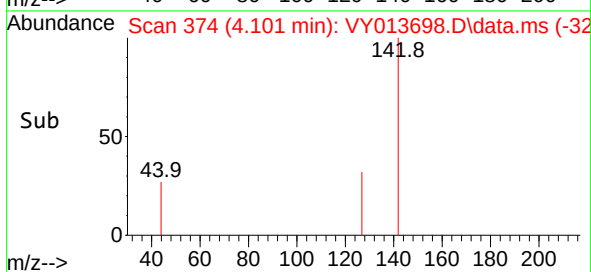
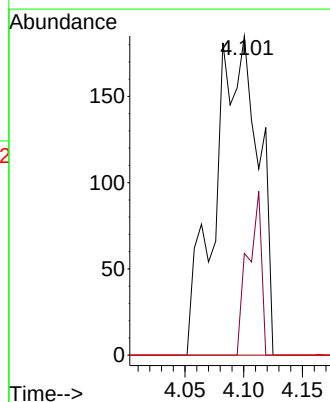
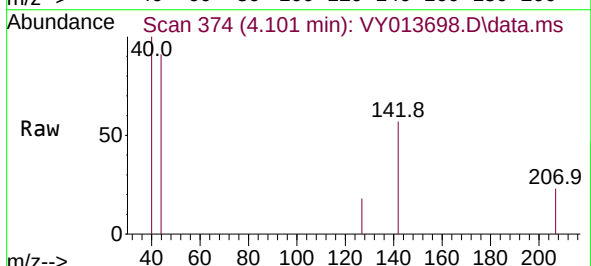
Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

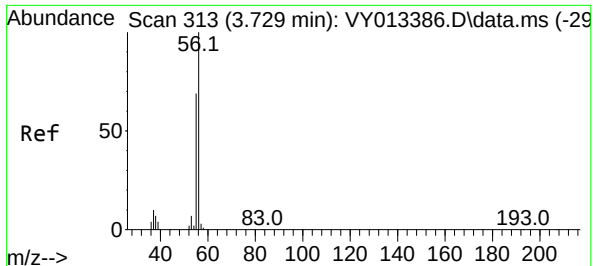
Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 96.3 74.2 111.2



#10
Methyl Iodide
Concen: 6.722 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion: 142 Resp: 476
Ion Ratio Lower Upper
142 100
127 16.0 36.1 54.1#
141 0.0 11.6 17.4#

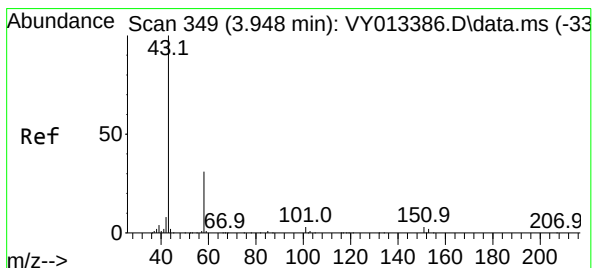
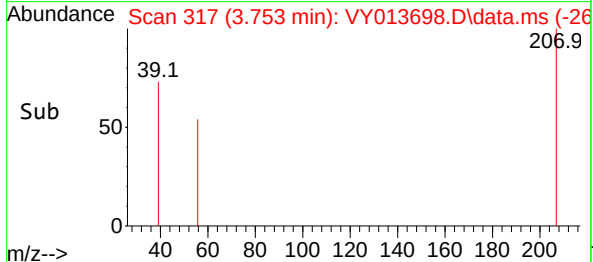
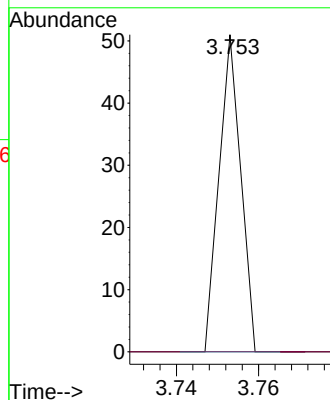
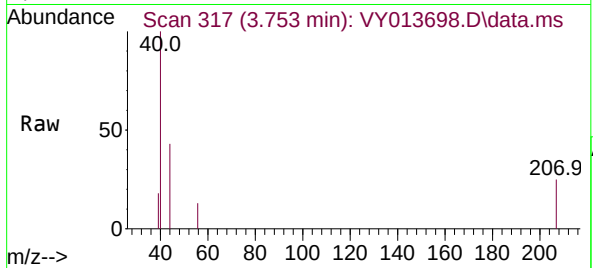




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 313
Delta R.T. 0.024 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

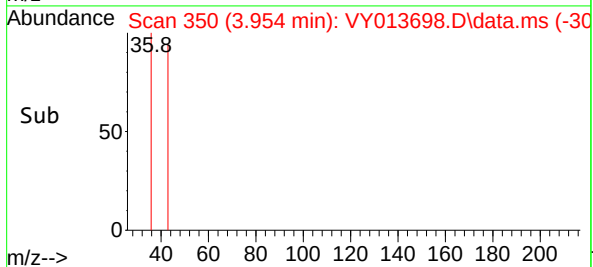
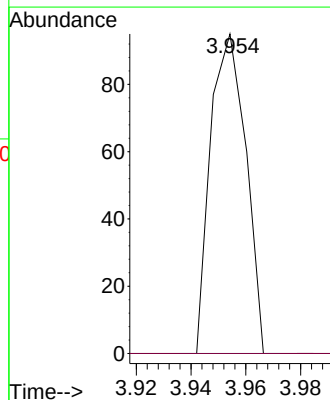
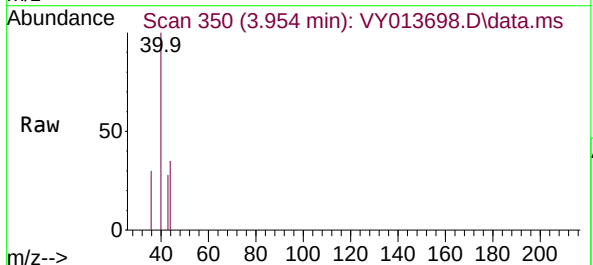
Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

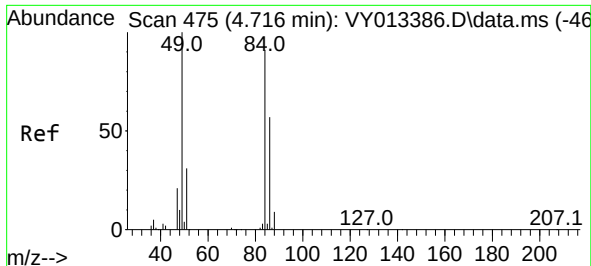
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 3.765 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#

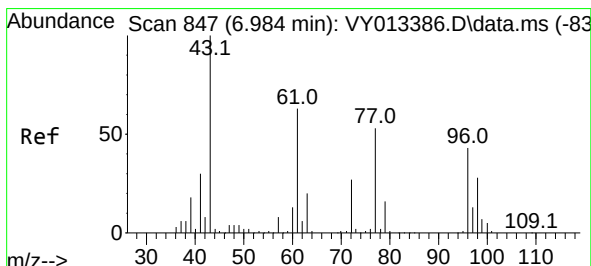
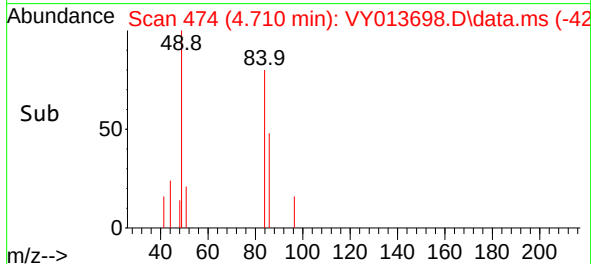
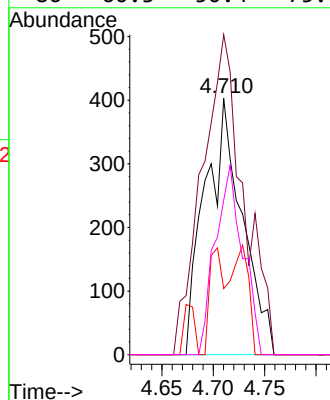
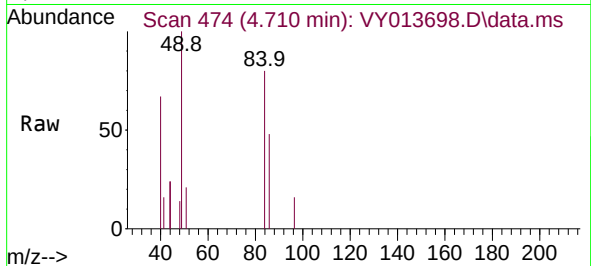




#20
Methylene Chloride
Concen: 7.455 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

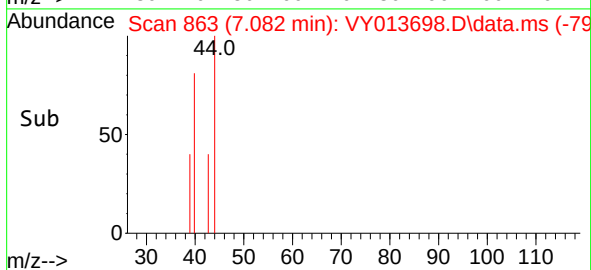
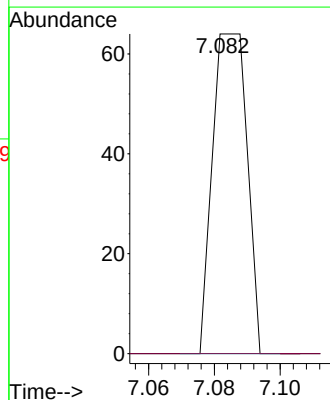
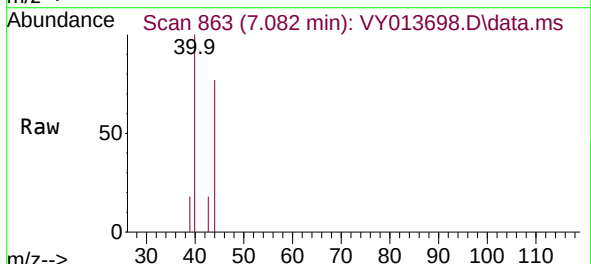
Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

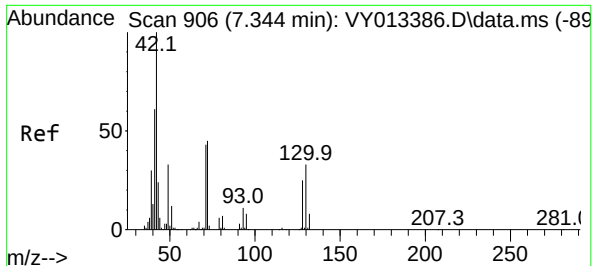
Tgt Ion: 84	Resp: 1014
Ion Ratio	Lower Upper
84 100	
49 124.8	88.0 132.0
51 25.8	27.4 41.0#
86 60.3	50.4 75.6



#25
2-Butanone
Concen: 1.642 ug/l
RT: 7.082 min Scan# 863
Delta R.T. 0.098 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion: 43	Resp:	47	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#





#29

Tetrahydrofuran

Concen: 2.132 ug/l

RT: 7.319 min Scan# 906

Delta R.T. -0.025 min

Lab File: VY013698.D

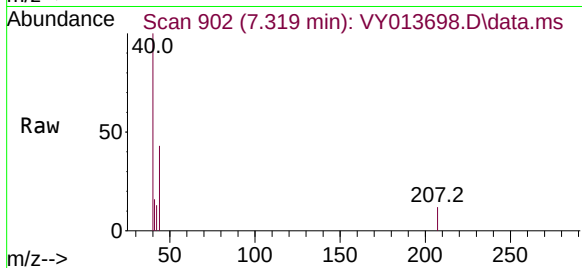
Acq: 10 May 2023 19:14

Instrument :

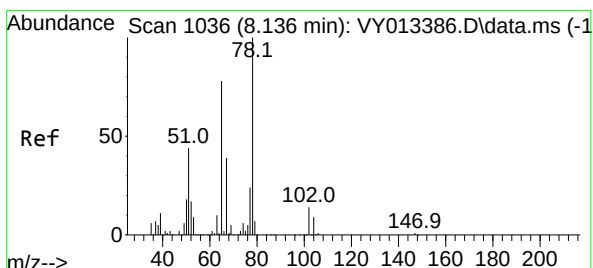
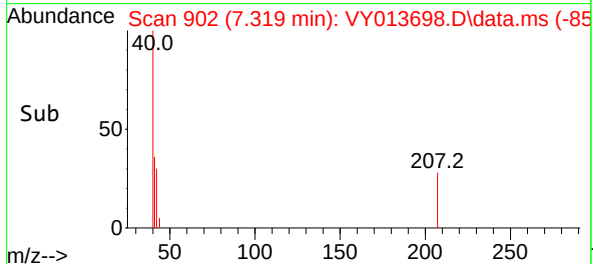
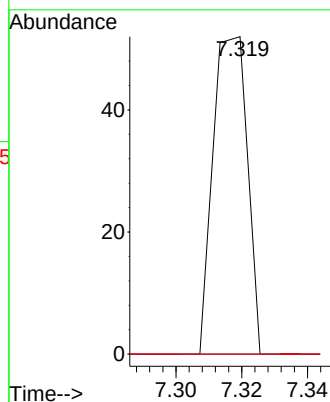
MSVOA_Y

ClientSampleId :

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Tgt Ion:	42	Resp:	38
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#



#33

1,2-Dichloroethane-d4

Concen: 68.456 ug/l

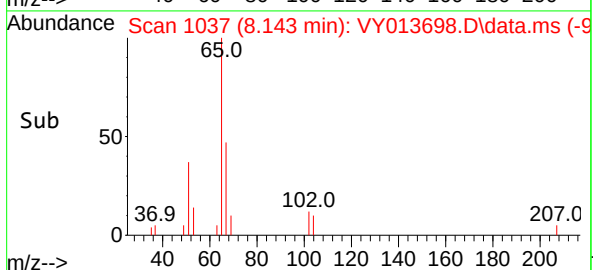
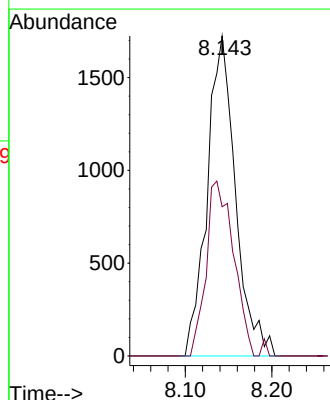
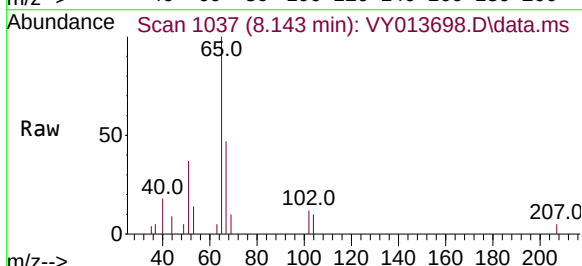
RT: 8.143 min Scan# 1037

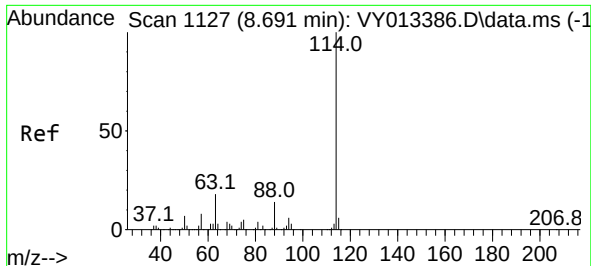
Delta R.T. 0.007 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

Tgt Ion:	65	Resp:	3924
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

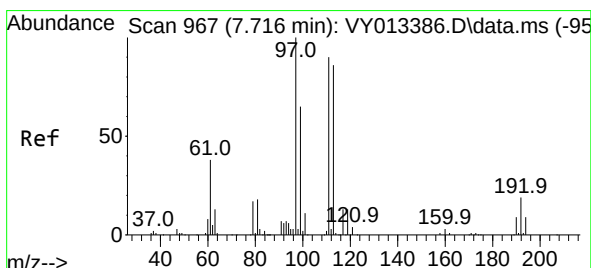
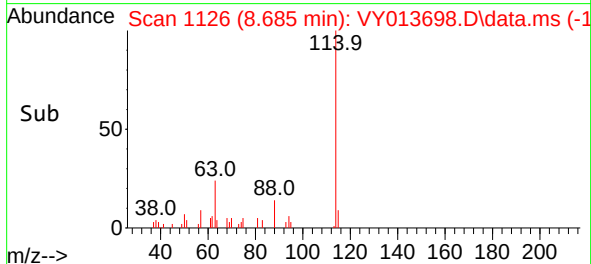
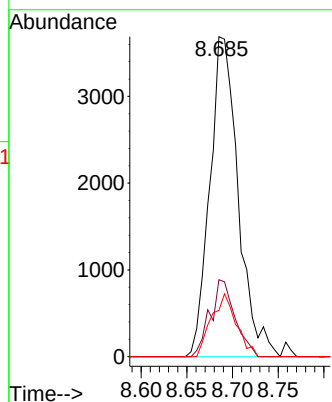
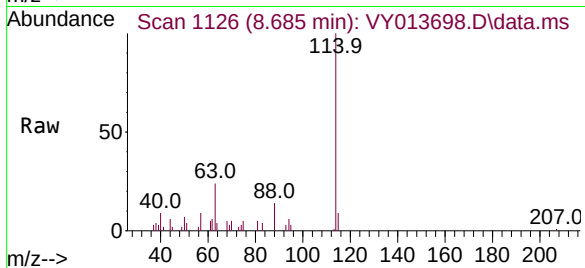
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Tgt Ion:114	Resp:	7975
Ion	Ratio	Lower Upper
114	100	
63	28.1	0.0 36.6
88	14.4	0.0 28.8



#35

Dibromofluoromethane

Concen: 57.457 ug/l

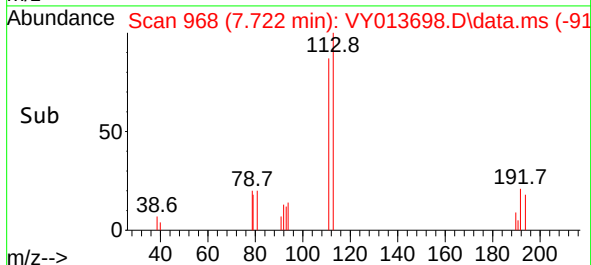
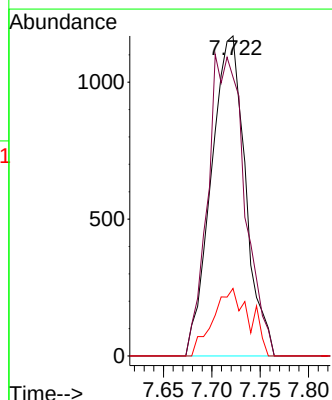
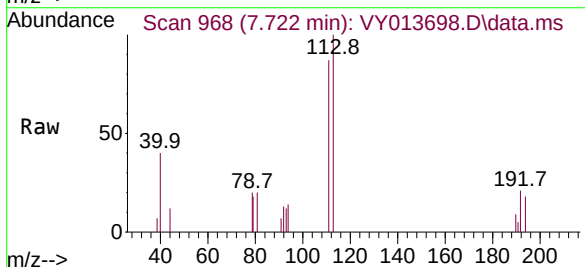
RT: 7.722 min Scan# 968

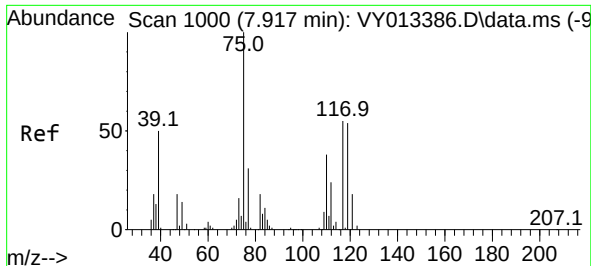
Delta R.T. 0.006 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

Tgt Ion:113	Resp:	2882
Ion	Ratio	Lower Upper
113	100	
111	101.4	82.2 123.2
192	22.4	16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.358 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY013698.D

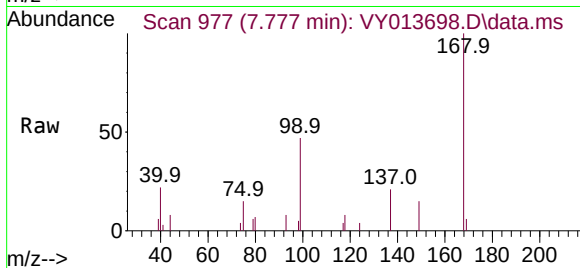
Acq: 10 May 2023 19:14

Instrument :

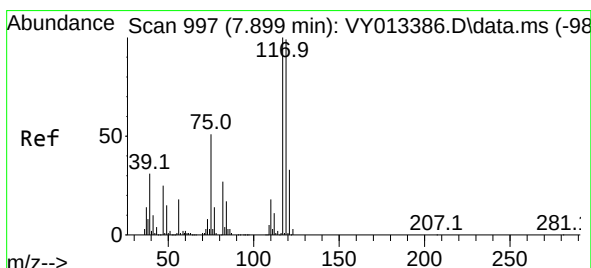
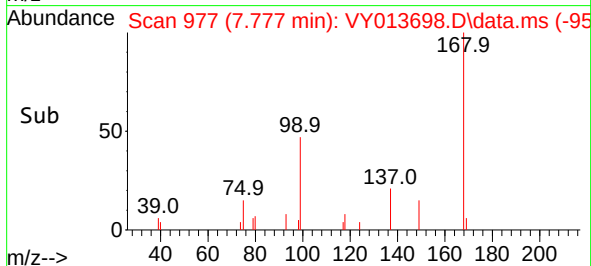
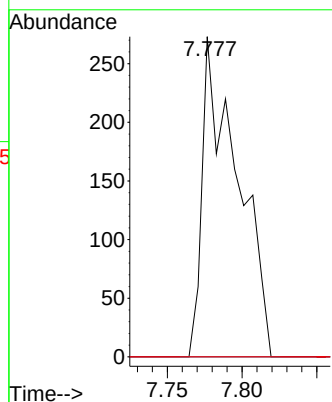
MSVOA_Y

ClientSampleId :

SB-02_5-7_20230509



Tgt Ion: 75	Resp: 446
Ion Ratio	Lower Upper
75	100
110	0.0 18.7 56.1#
77	0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.203 ug/l

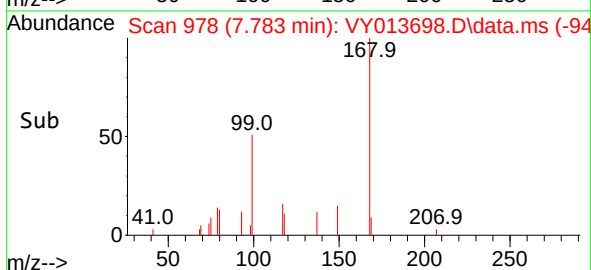
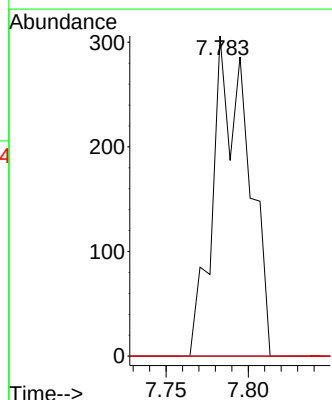
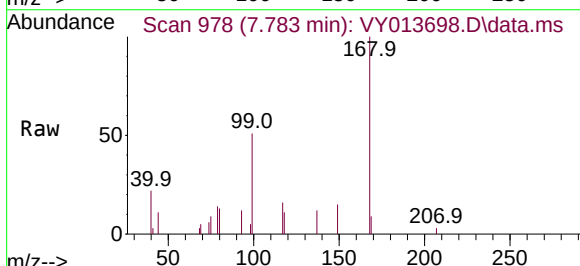
RT: 7.783 min Scan# 978

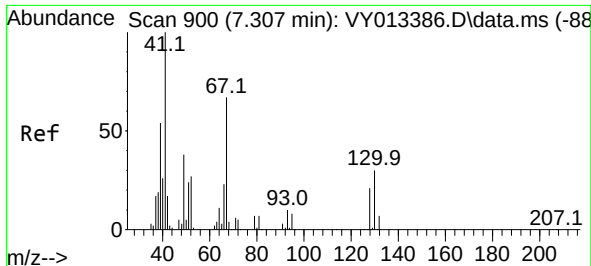
Delta R.T. -0.116 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

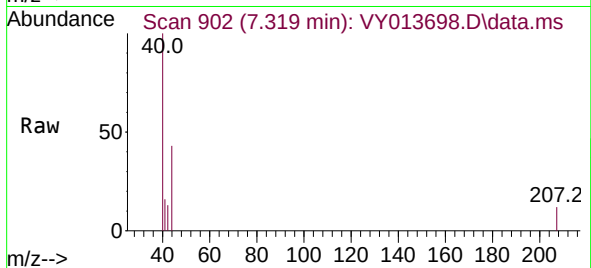
Tgt Ion: 117	Resp: 454
Ion Ratio	Lower Upper
117	100
119	0.0 79.0 118.6#
121	0.0 26.6 40.0#



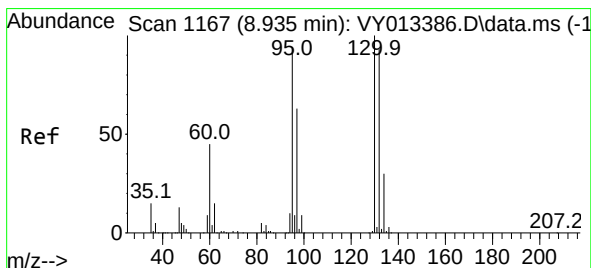
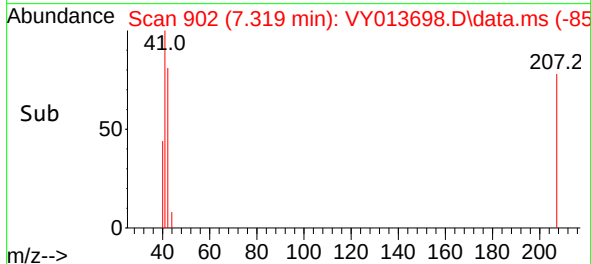
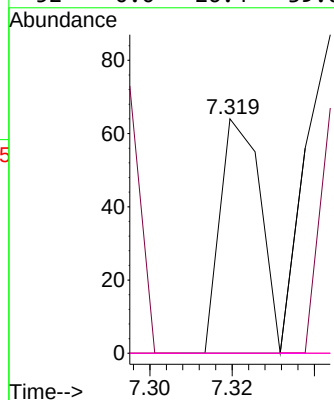


#41
Methacrylonitrile
Concen: 1.507 ug/l
RT: 7.319 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

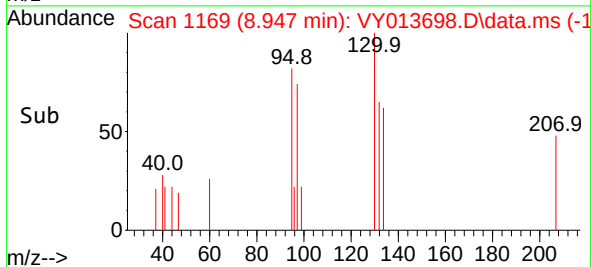
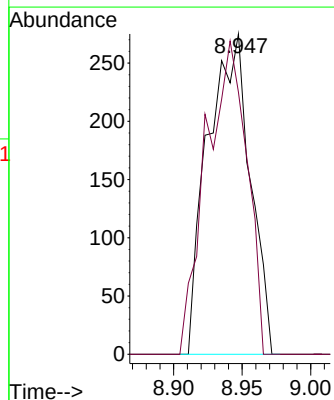
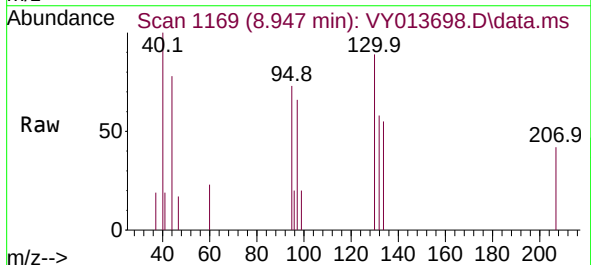


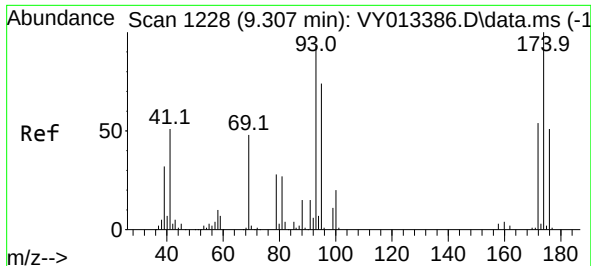
Tgt Ion: 41	Resp: 44
Ion Ratio	Lower Upper
41 100	
39 0.0	44.2 66.4#
67 0.0	62.9 94.3#
52 0.0	26.4 39.6#



#44
Trichloroethene
Concen: 9.491 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. 0.012 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion:130	Resp:	592	
Ion	Ratio	Lower	Upper
130	100		
95	81.8	0.0	188.8





#49

1,4-Dioxane

Concen: 59.167 ug/l

RT: 9.222 min Scan# 11

Delta R.T. -0.085 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-02_5-7_20230509

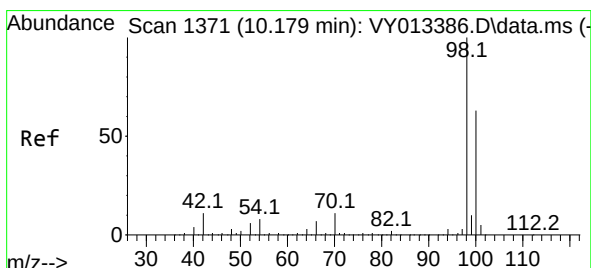
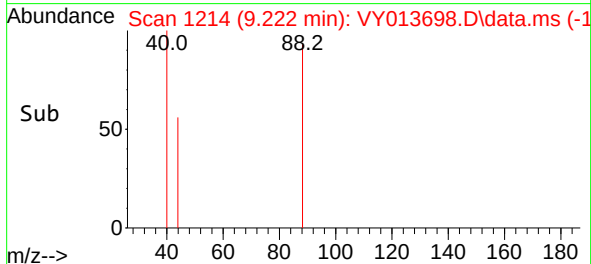
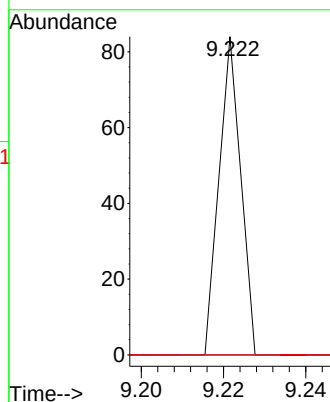
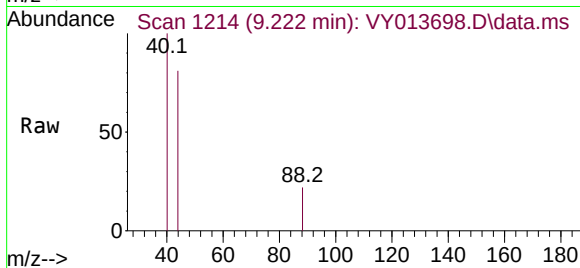
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 51.834 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY013698.D

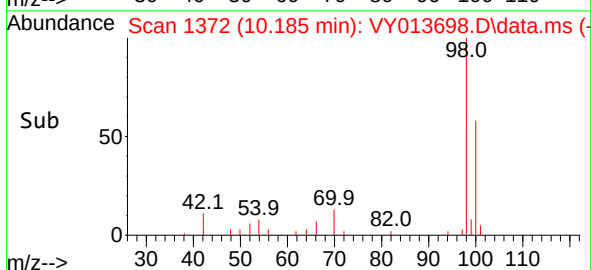
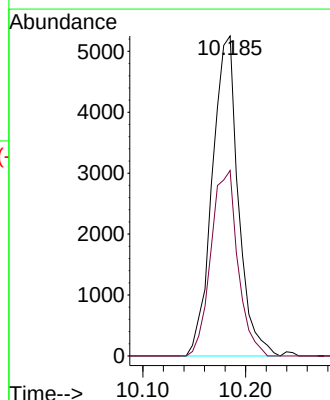
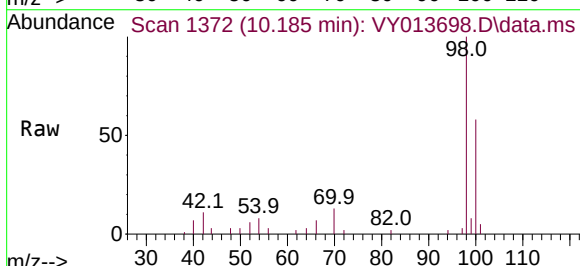
Acq: 10 May 2023 19:14

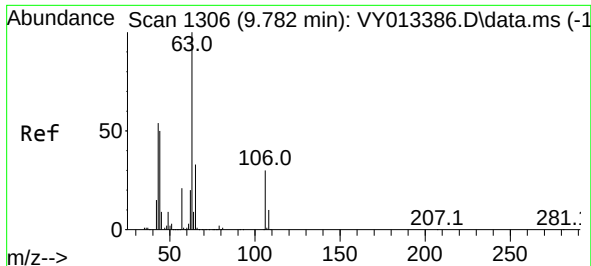
Tgt Ion: 98 Resp: 9249

Ion Ratio Lower Upper

98 100

100 59.7 50.5 75.7





#58

2-Chloroethyl Vinyl ether

Concen: 1.820 ug/l

RT: 9.758 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

Instrument :

MSVOA_Y

ClientSampleId :

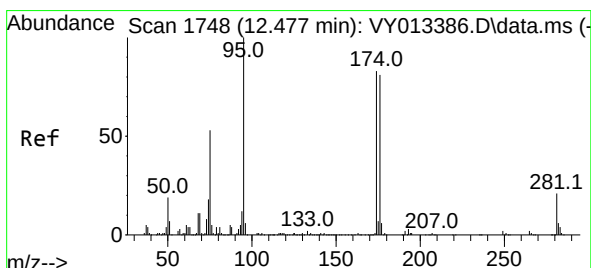
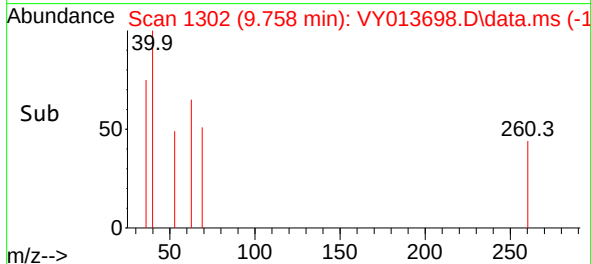
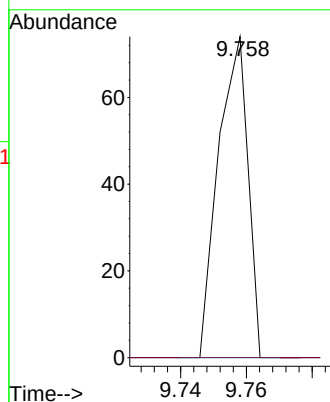
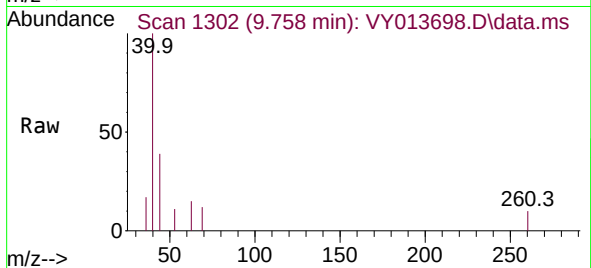
SB-02_5-7_20230509

Tgt Ion: 63 Resp: 46

Ion Ratio Lower Upper

63 100

106 0.0 23.5 35.3#



#62

4-Bromofluorobenzene

Concen: 37.669 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

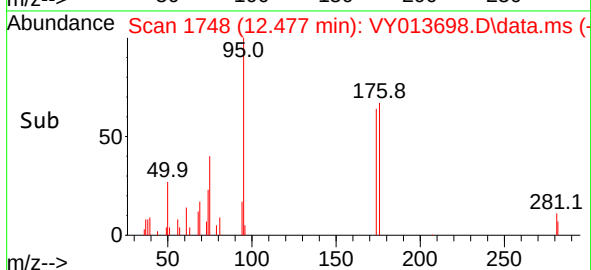
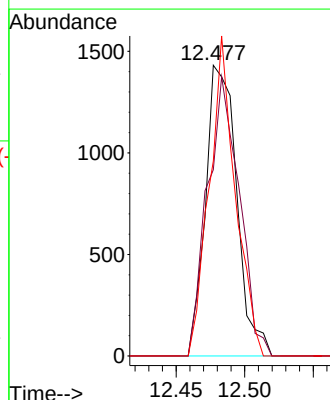
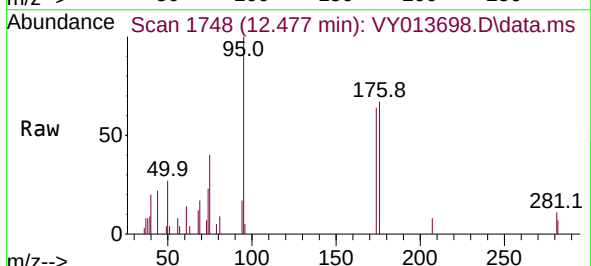
Tgt Ion: 95 Resp: 2266

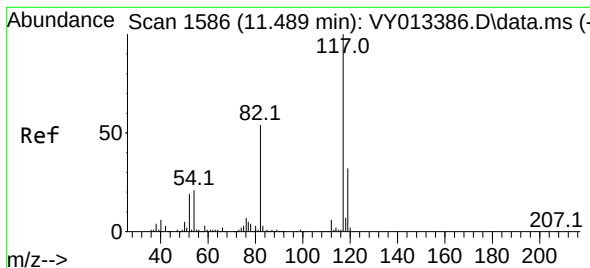
Ion Ratio Lower Upper

95 100

174 98.1 0.0 182.0

176 92.2 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

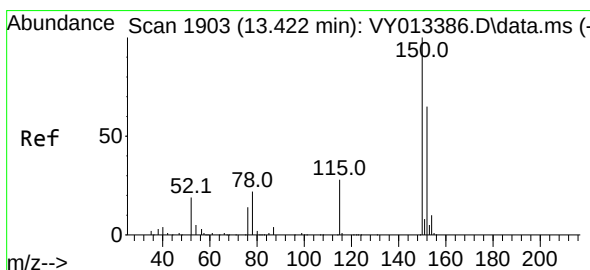
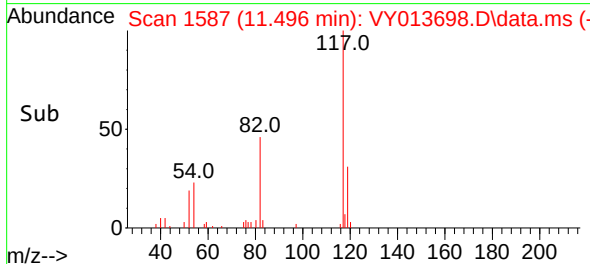
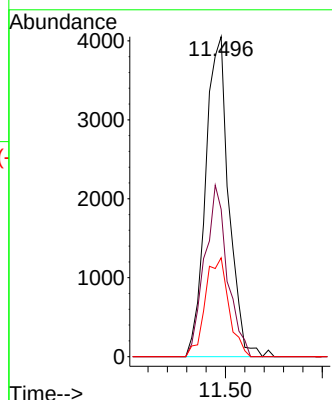
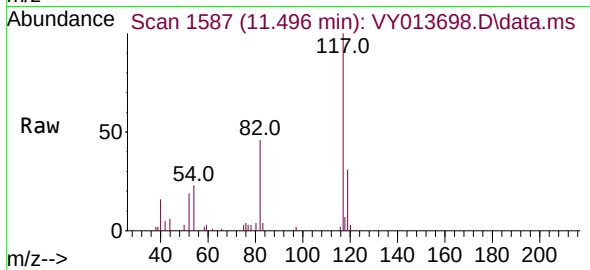
Instrument :

MSVOA_Y

ClientSampleId :

SB-02_5-7_20230509

Tgt Ion:117	Resp:	6745
Ion	Ratio	Lower Upper
117	100	
82	46.0	43.0 64.6
119	30.9	25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

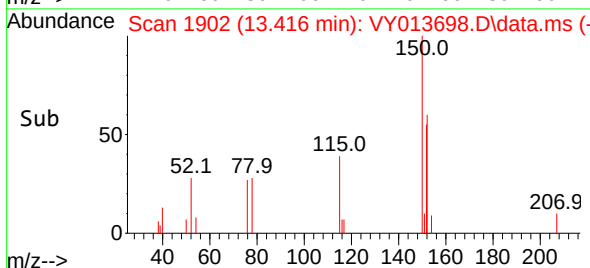
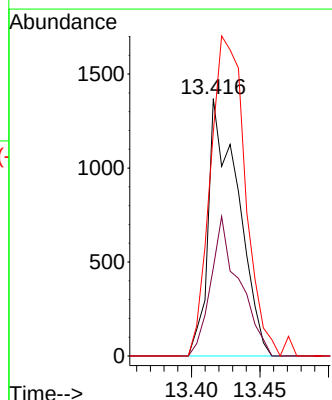
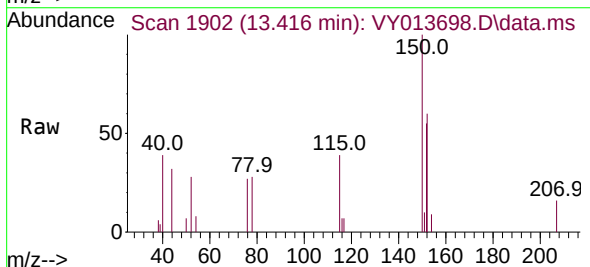
RT: 13.416 min Scan# 1902

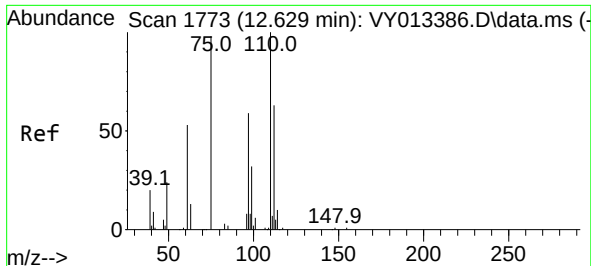
Delta R.T. -0.006 min

Lab File: VY013698.D

Acq: 10 May 2023 19:14

Tgt Ion:152	Resp:	2080
Ion	Ratio	Lower Upper
152	100	
115	51.8	28.1 84.2
150	144.3	0.0 352.0

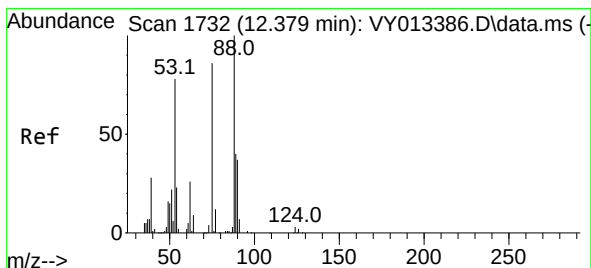
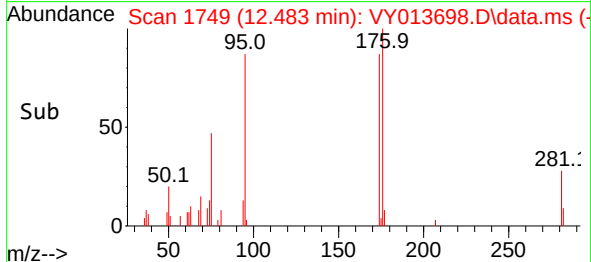
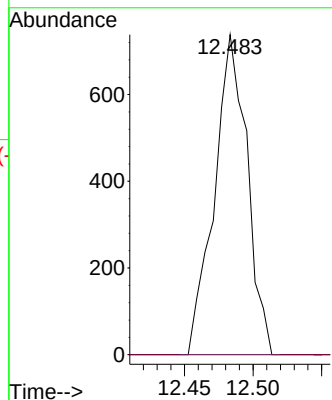
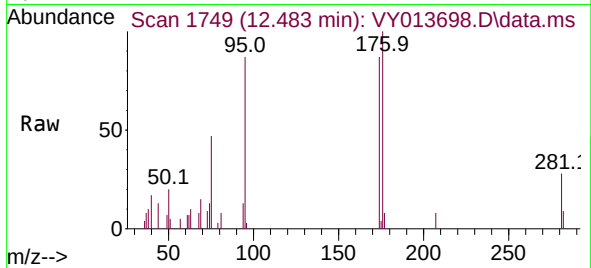




#76
1,2,3-Trichloropropane
Concen: 43.848 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-02_5-7_20230509

Tgt Ion: 75 Resp: 1230
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 89.694 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013698.D
Acq: 10 May 2023 19:14

Tgt Ion: 75 Resp: 1230
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#

