

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011342.D
 Acq On : 07 Nov 2022 17:56
 Operator : KP/MD
 Sample : N5378-05
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-20221028-10.5-11.5-A

Quant Time: Nov 08 03:30:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

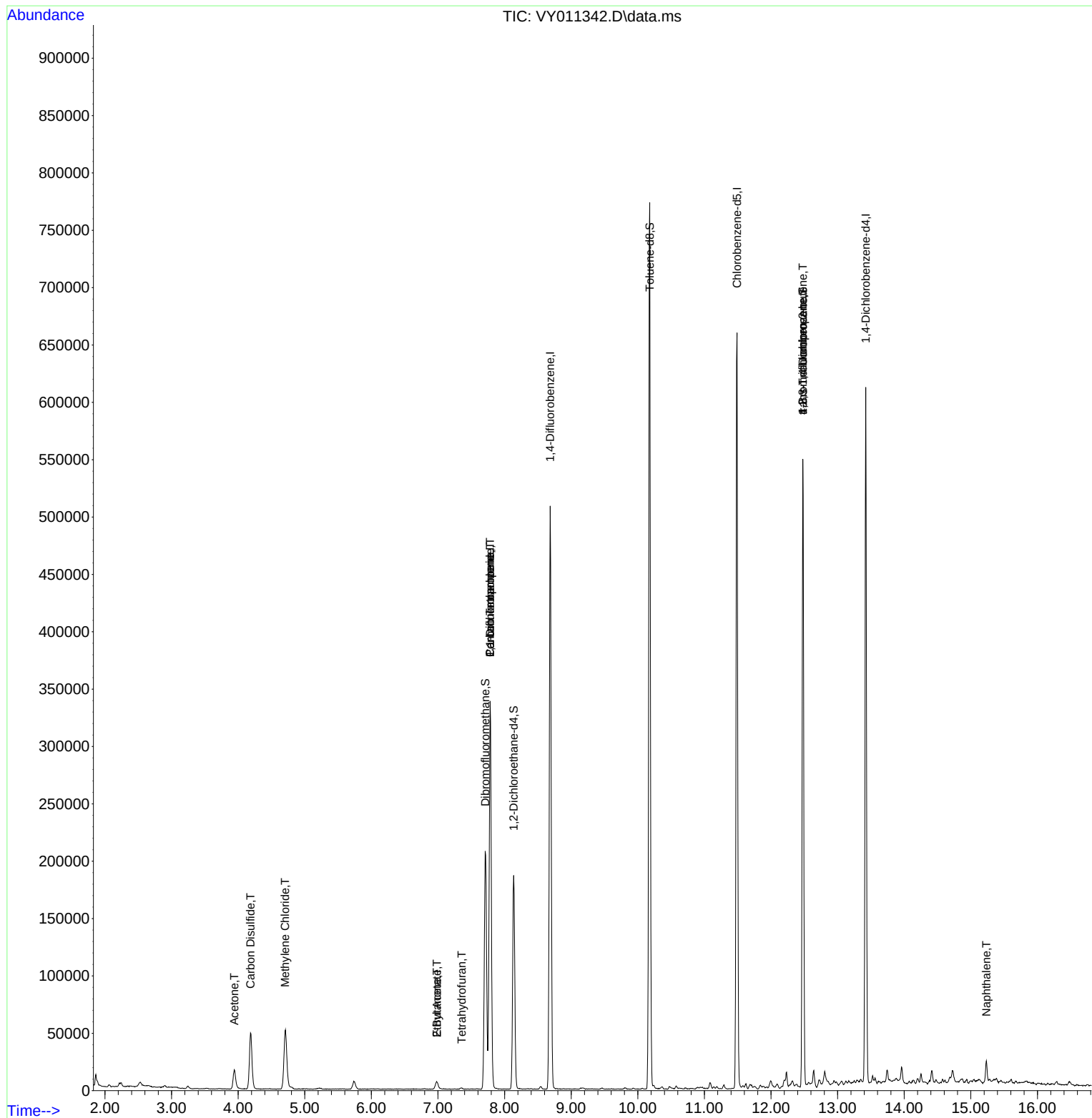
Internal Standards						
1) Pentafluorobenzene	7.783	168	267955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	450425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	384604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	144039	50.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.520%	
35) Dibromofluoromethane	7.710	113	152471	52.686	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.380%	
50) Toluene-d8	10.179	98	521931	46.451	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.900%	
62) 4-Bromofluorobenzene	12.477	95	173795	44.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	112	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	153	Below Cal	#	77
13) Acrolein	3.716	56	184	Below Cal	#	1
16) Acetone	3.942	43	28681	33.154	ug/l #	82
17) Carbon Disulfide	4.186	76	104434	10.909	ug/l	98
20) Methylene Chloride	4.704	84	42157	7.658	ug/l #	77
25) 2-Butanone	6.984	43	8334	6.847	ug/l #	90
29) Tetrahydrofuran	7.356	42	732	1.033	ug/l #	76
36) 1,1-Dichloropropene	7.783	75	18446	3.903	ug/l #	51
37) Ethyl Acetate	6.984	43	8334	3.271	ug/l #	73
38) Carbon Tetrachloride	7.783	117	25916	5.286	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	83573	43.221	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83573	92.499	ug/l #	7
95) Naphthalene	15.233	128	17169	6.204	ug/l	96

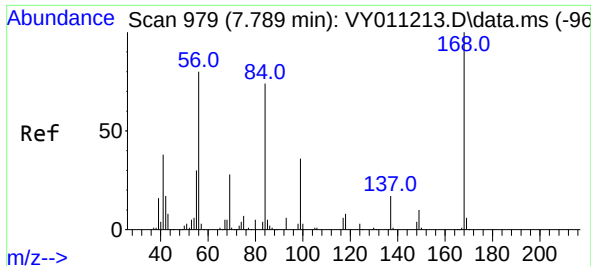
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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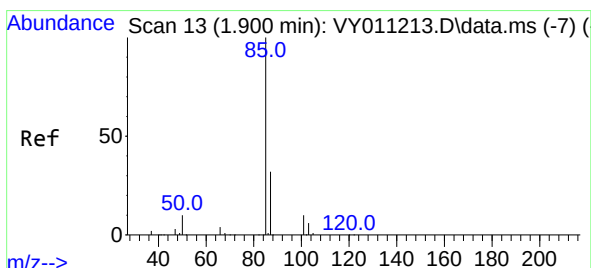
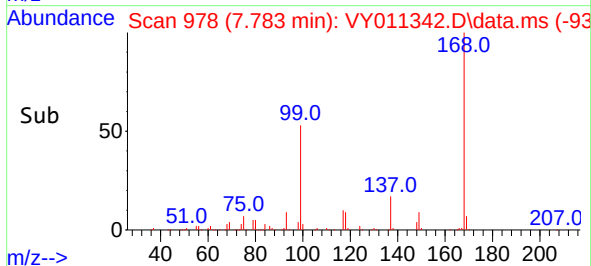
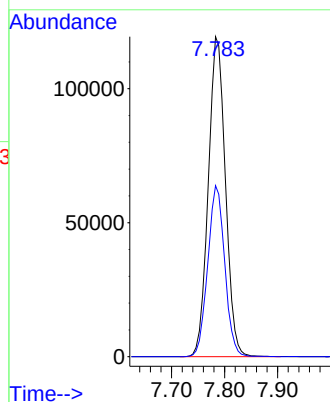
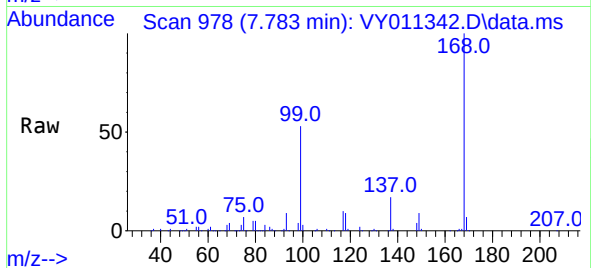




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

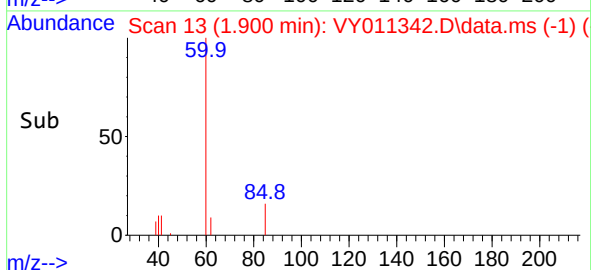
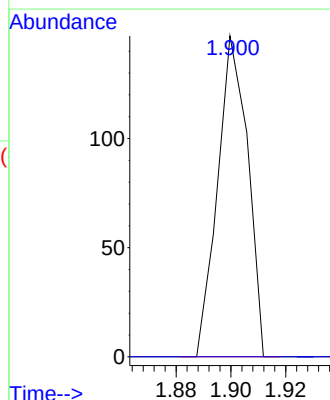
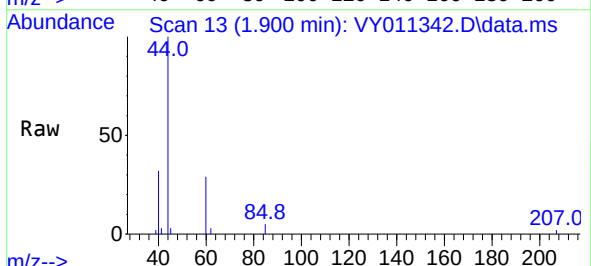
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

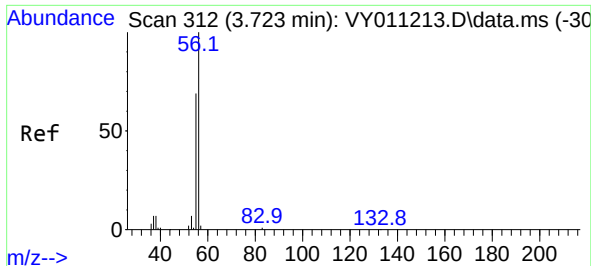
Tgt Ion:168 Resp: 267955
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 85 Resp: 112
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

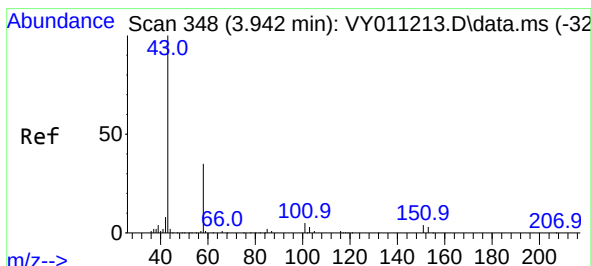
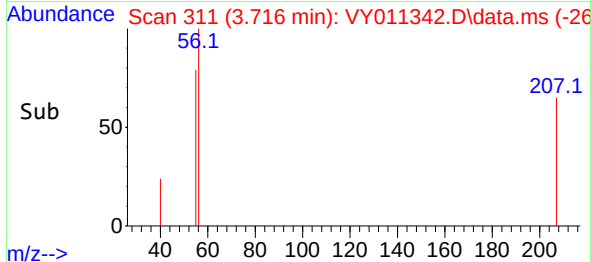
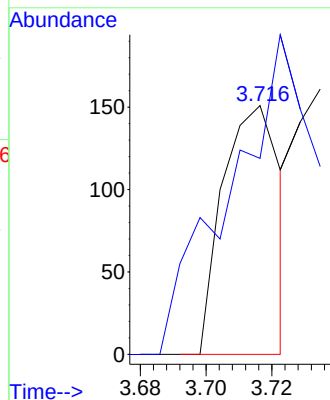
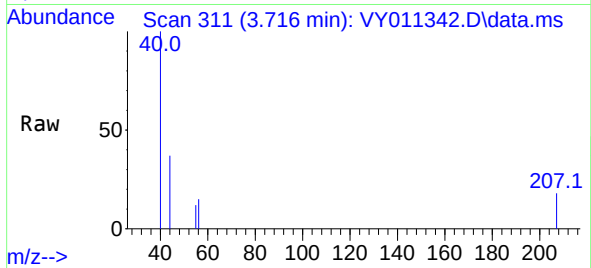




#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

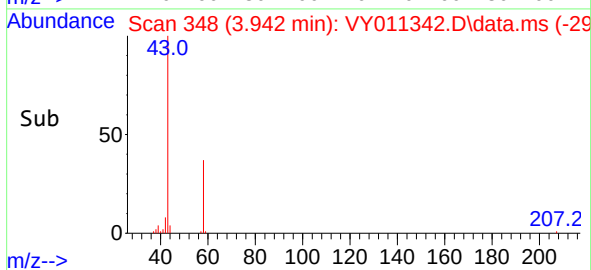
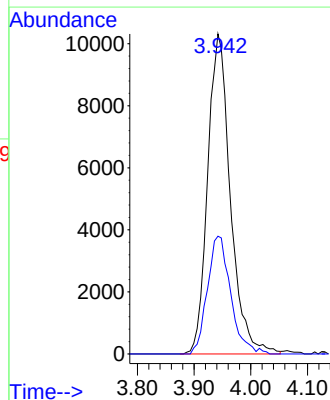
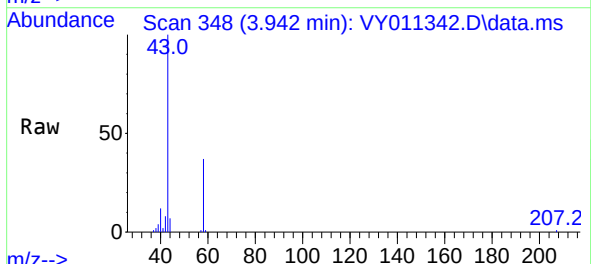
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

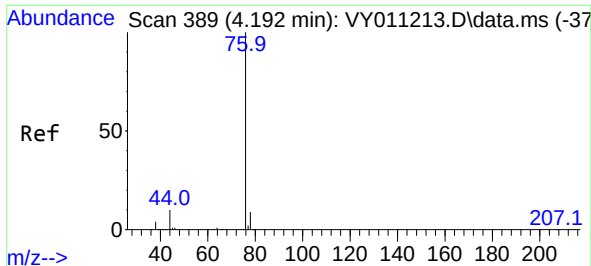
Tgt Ion: 56 Resp: 184
Ion Ratio Lower Upper
56 100
55 254.9 57.6 86.4#



#16
Acetone
Concen: 33.154 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 43 Resp: 28681
Ion Ratio Lower Upper
43 100
58 36.8 22.0 33.0#

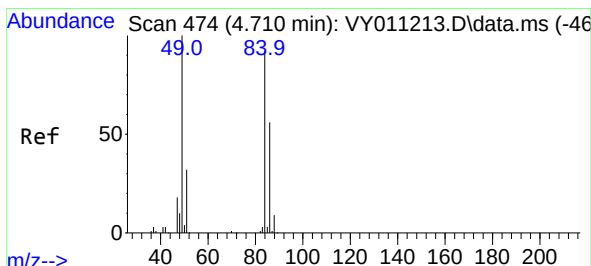
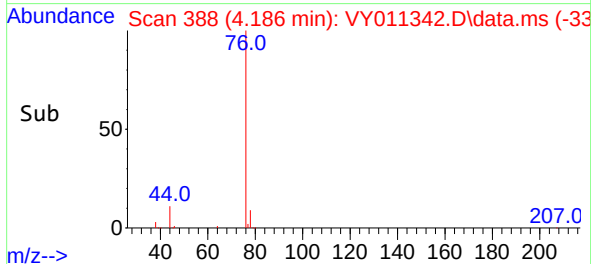
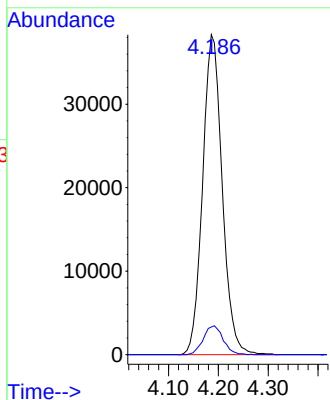
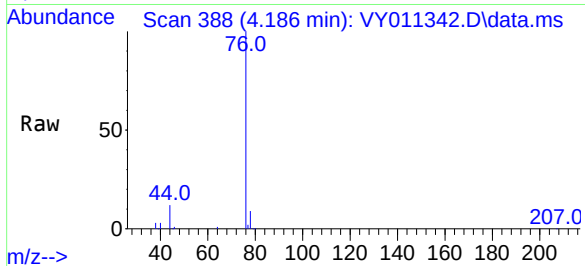




#17
Carbon Disulfide
Concen: 10.909 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

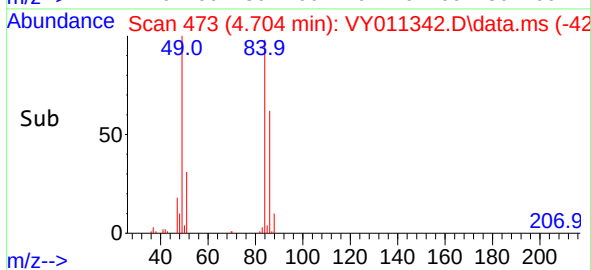
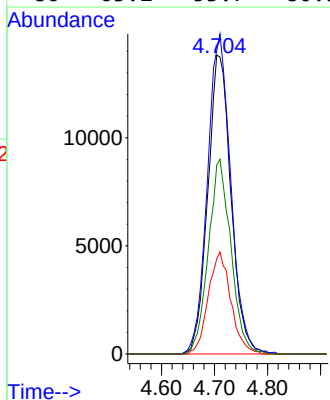
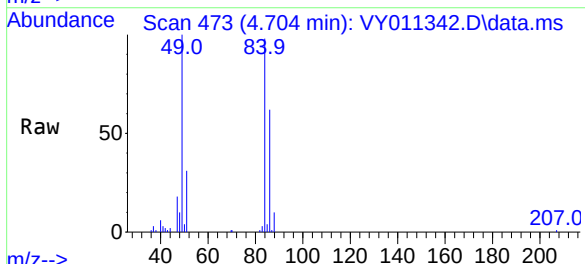
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

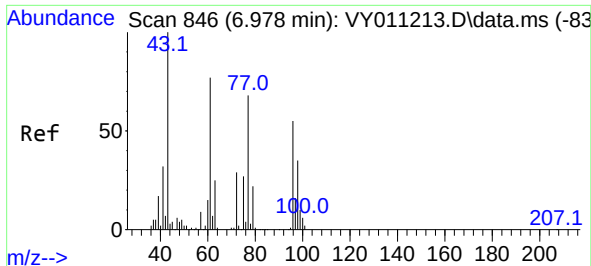
Tgt Ion: 76 Resp: 104434
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#20
Methylene Chloride
Concen: 7.658 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 84 Resp: 42157
Ion Ratio Lower Upper
84 100
49 101.6 114.4 171.6#
51 31.8 35.3 52.9#
86 63.2 53.7 80.5

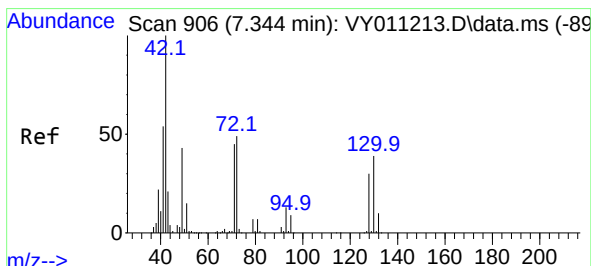
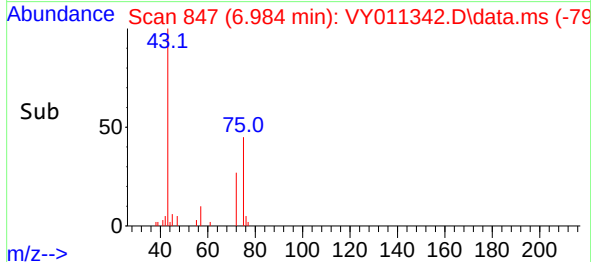
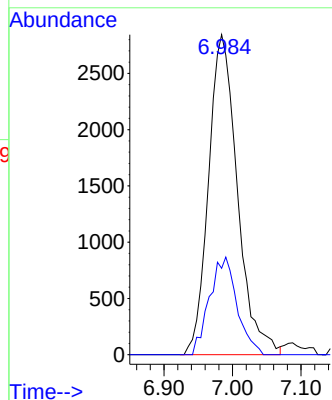
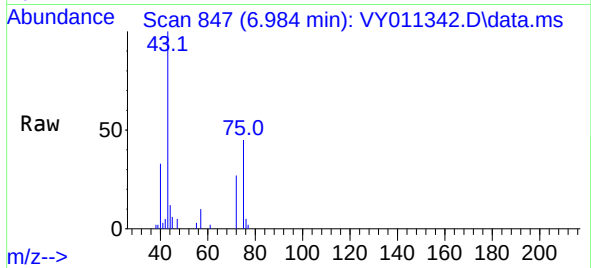




#25
2-Butanone
Concen: 6.847 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

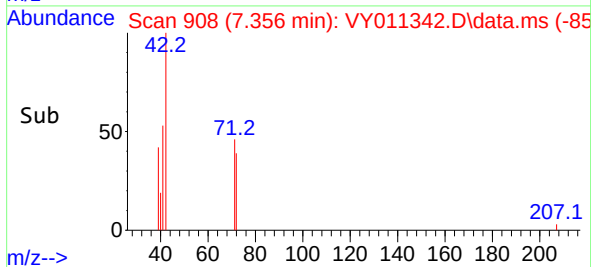
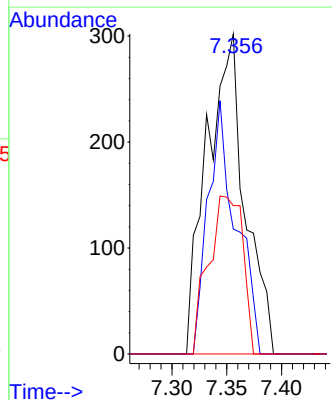
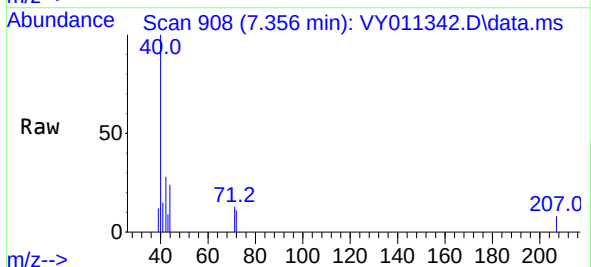
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

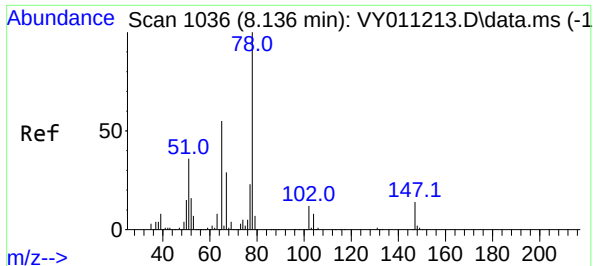
Tgt Ion: 43 Resp: 8334
Ion Ratio Lower Upper
43 100
72 27.0 17.7 26.5#



#29
Tetrahydrofuran
Concen: 1.033 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 42 Resp: 732
Ion Ratio Lower Upper
42 100
72 57.9 30.3 45.5#
71 44.3 29.0 43.4#





#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011342.D

Acq: 07 Nov 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

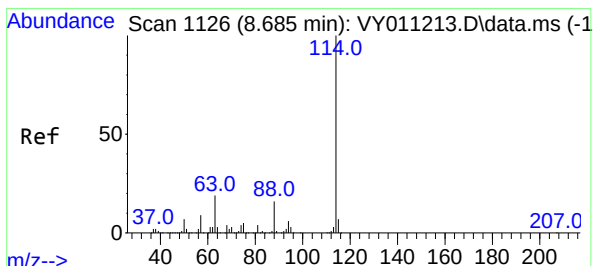
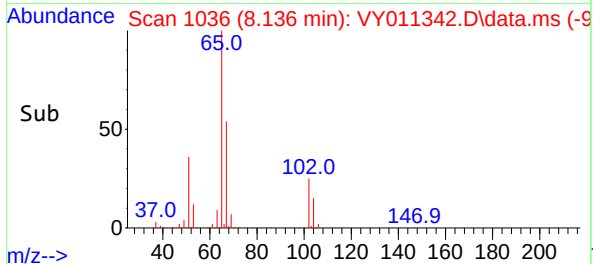
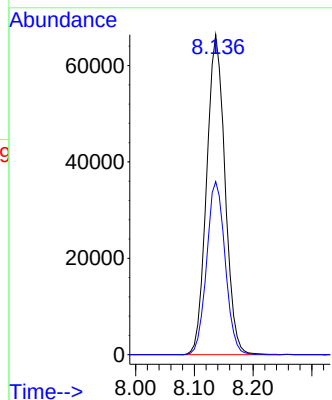
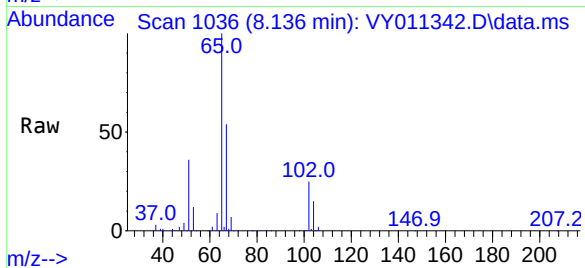
SB-16-20221028-10.5-11.5-A

Tgt Ion: 65 Resp: 144039

Ion Ratio Lower Upper

65 100

67 54.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011342.D

Acq: 07 Nov 2022 17:56

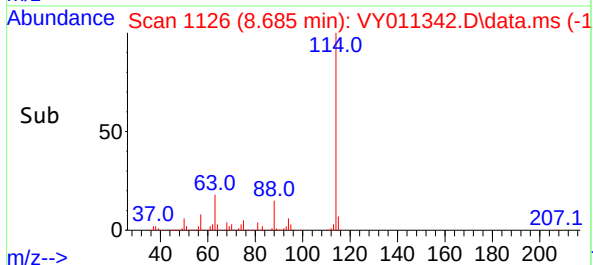
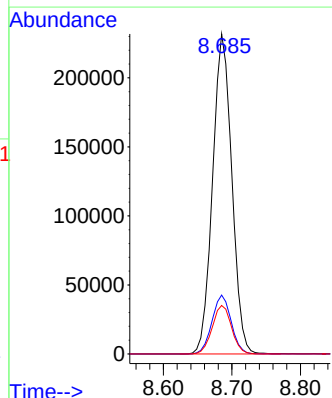
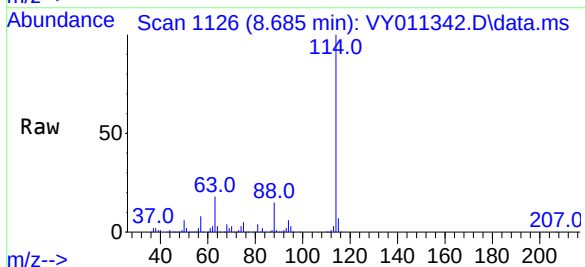
Tgt Ion: 114 Resp: 450425

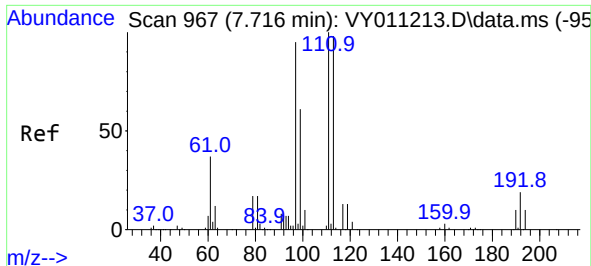
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

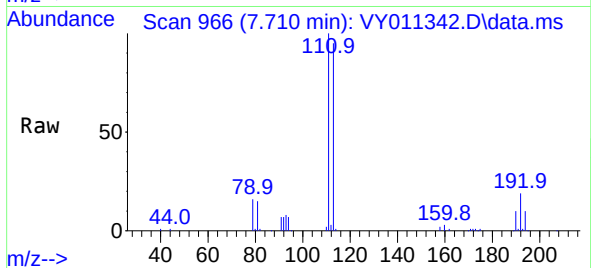
88 15.2 0.0 31.8



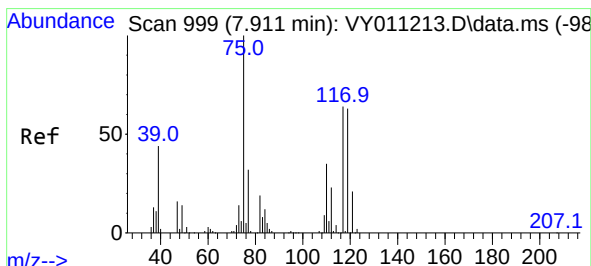
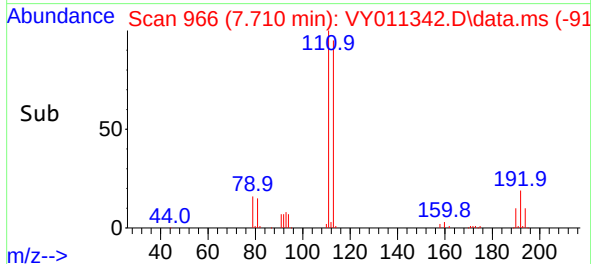
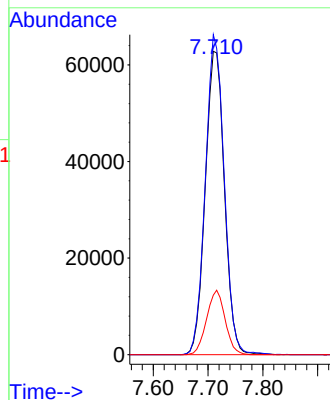


#35
Dibromofluoromethane
Concen: 52.686 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Instrument :
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ClientSampleId :
SB-16-20221028-10.5-11.5-A

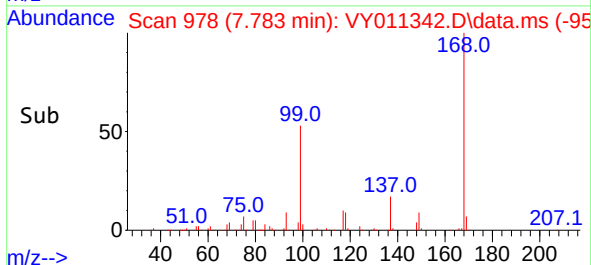
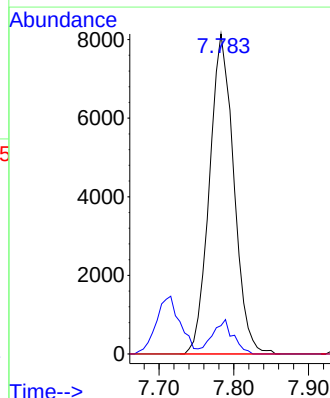
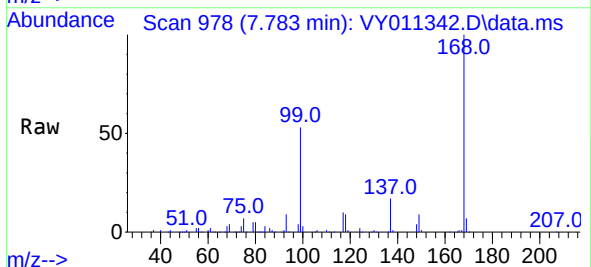


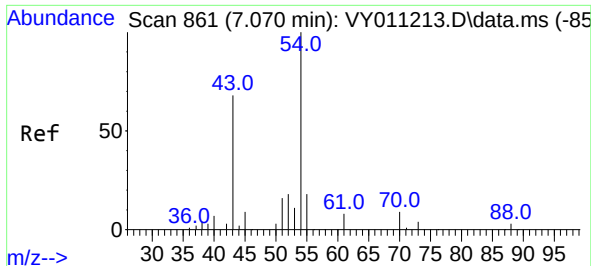
Tgt Ion:113 Resp: 152471
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 20.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.903 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 75 Resp: 18446
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.271 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011342.D

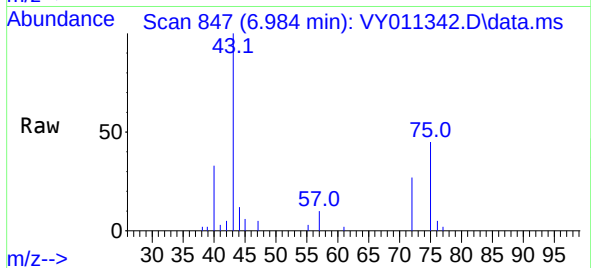
Acq: 07 Nov 2022 17:56

Instrument :

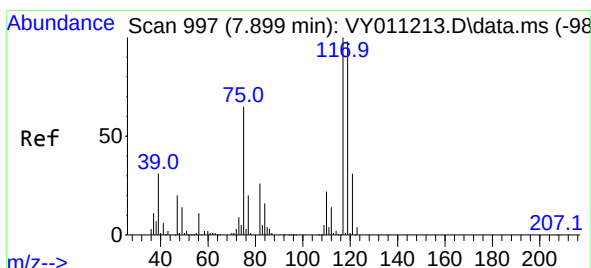
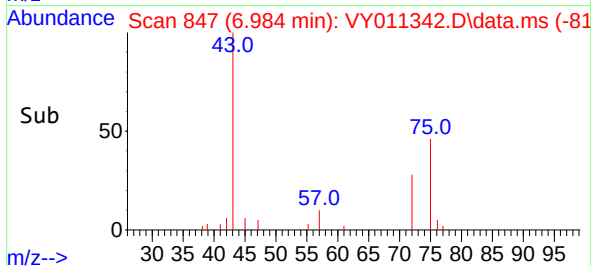
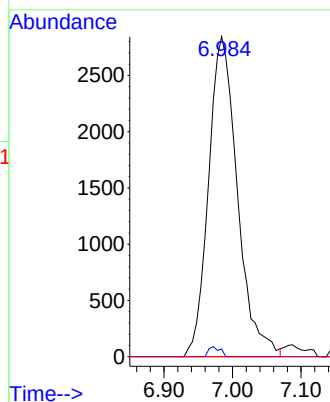
MSVOA_Y

ClientSampleId :

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Tgt Ion:	43	Resp:	8334
Ion	Ratio	Lower	Upper
43	100		
61	1.2	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.286 ug/l

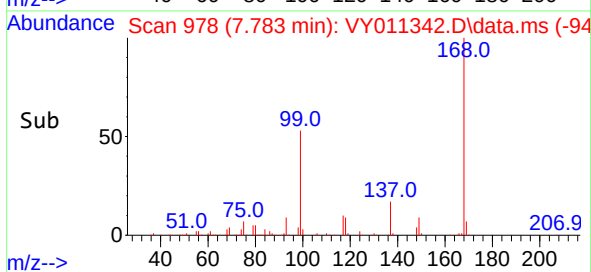
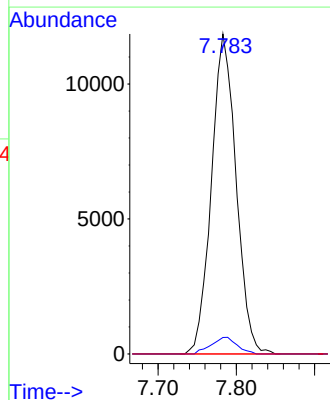
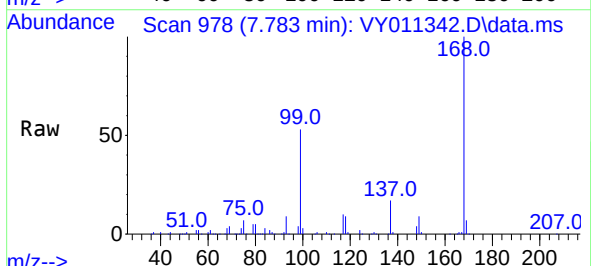
RT: 7.783 min Scan# 978

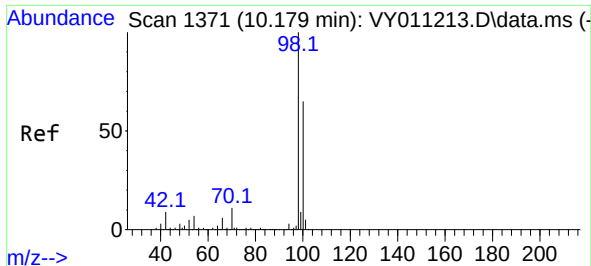
Delta R.T. -0.116 min

Lab File: VY011342.D

Acq: 07 Nov 2022 17:56

Tgt Ion:	117	Resp:	25916
Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.9	116.9#
121	0.0	24.8	37.2#

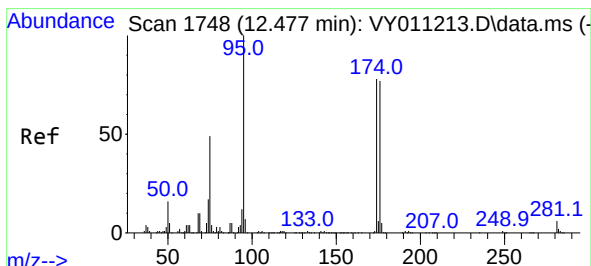
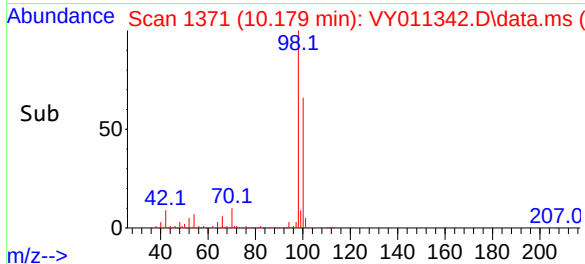
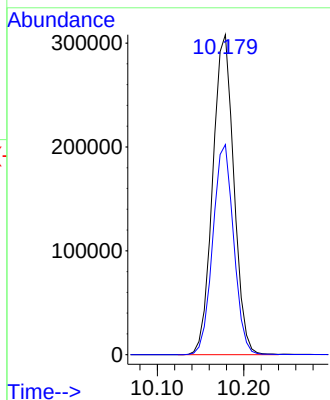
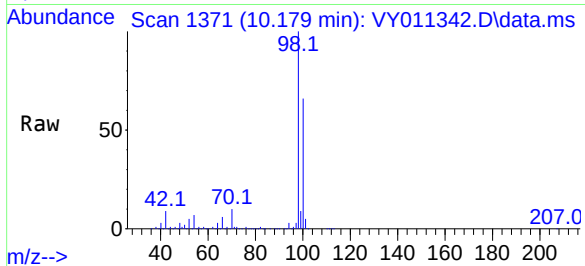




#50
Toluene-d8
Concen: 46.451 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

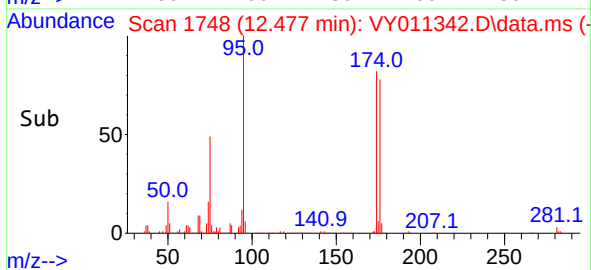
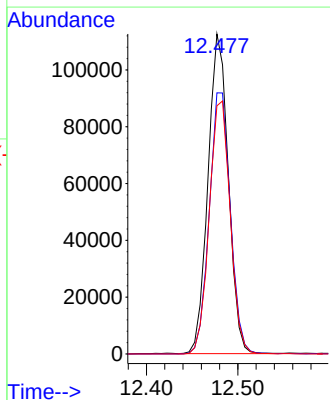
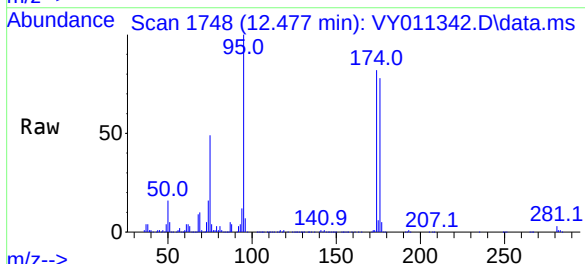
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

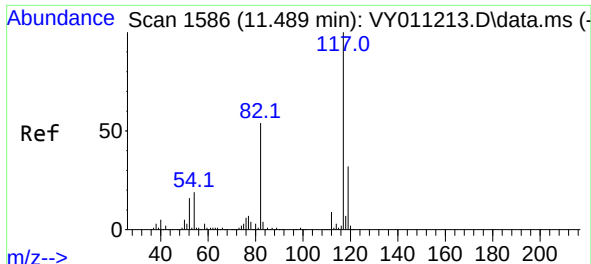
Tgt Ion: 98 Resp: 521931
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.555 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 95 Resp: 173795
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 81.7 0.0 175.8

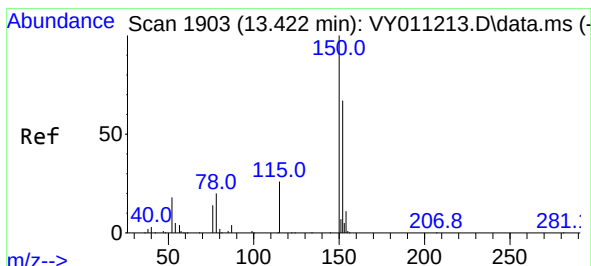
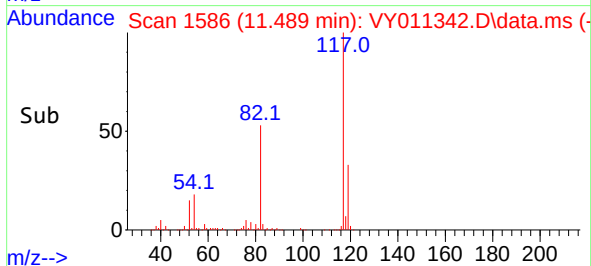
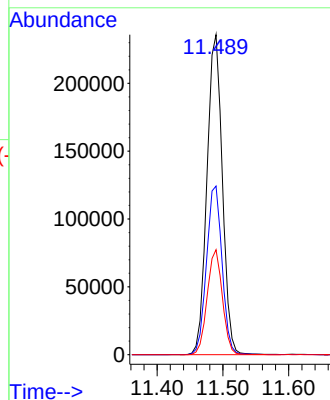
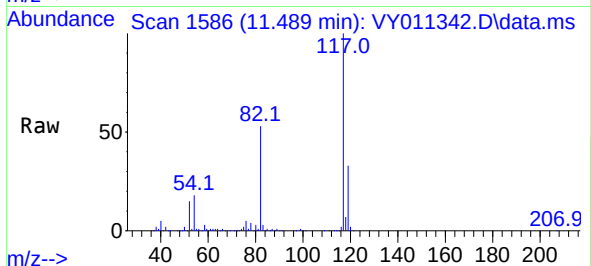




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

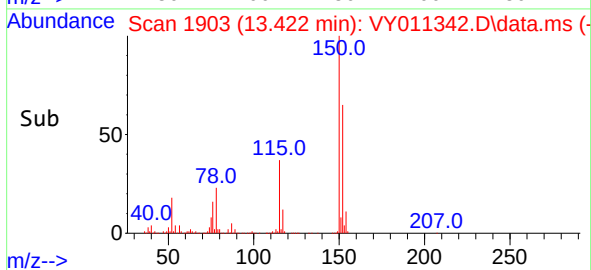
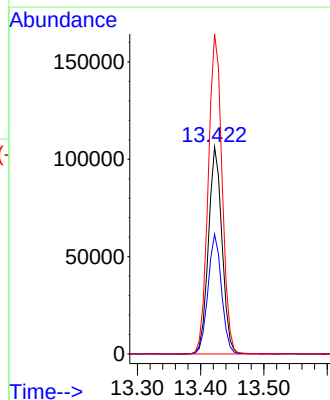
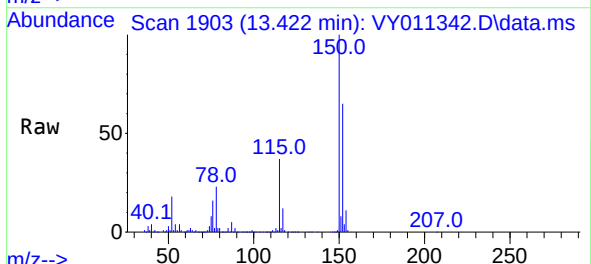
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

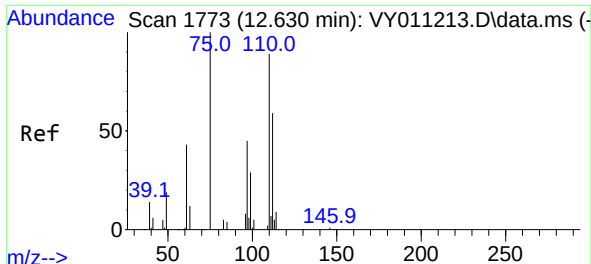
Tgt Ion:	117	Resp:	384604
Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	32.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion:	152	Resp:	158829
Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.2	84.7
150	157.6	0.0	347.6

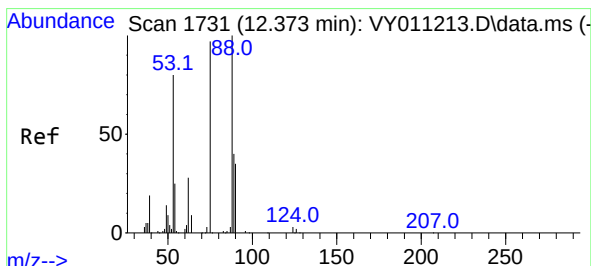
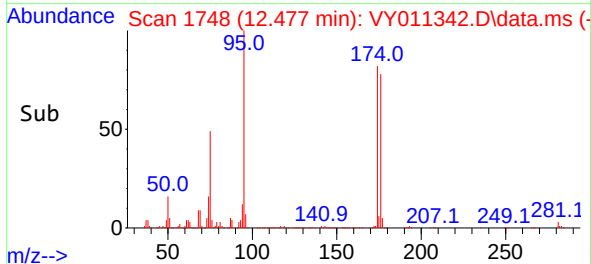
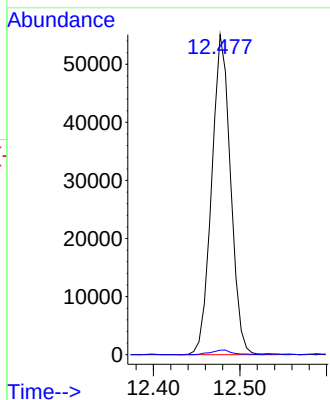
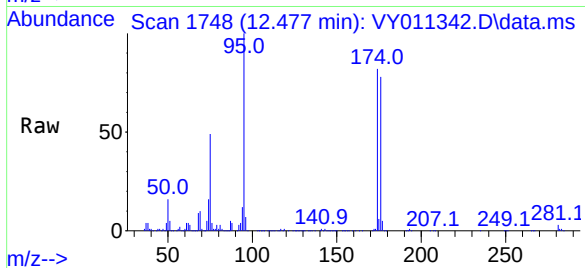




#76
1,2,3-Trichloropropane
Concen: 43.221 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

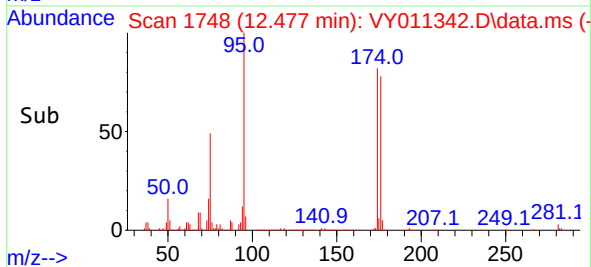
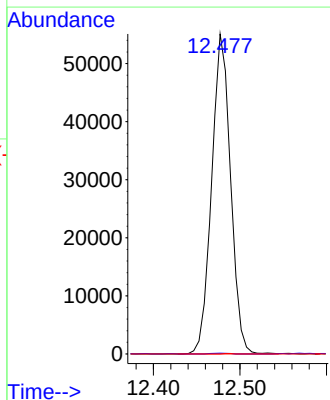
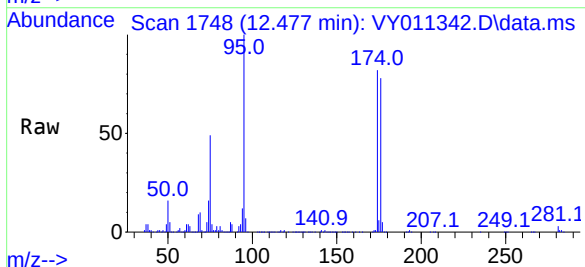
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5-A

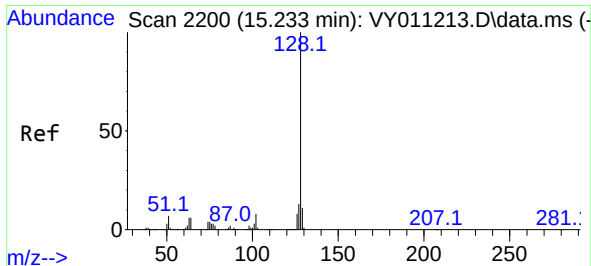
Tgt Ion: 75 Resp: 83573
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.499 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011342.D
Acq: 07 Nov 2022 17:56

Tgt Ion: 75 Resp: 83573
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 6.204 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011342.D

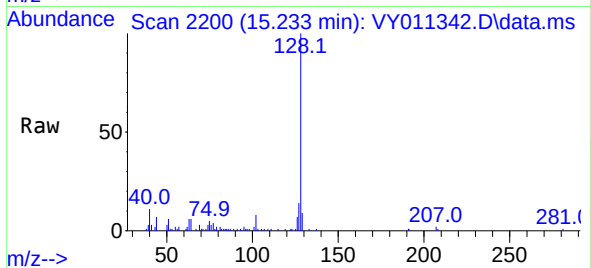
Acq: 07 Nov 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

SB-16-20221028-10.5-11.5-A



Tgt Ion:128 Resp: 17169

Ion Ratio Lower Upper

128 100

127 12.4 11.0 16.4

129 12.2 8.4 12.6

