

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011340.D
 Acq On : 07 Nov 2022 17:11
 Operator : KP/MD
 Sample : N5378-01
 Misc : 6.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-20221028-5.0-6.0

Quant Time: Nov 08 03:30:15 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)

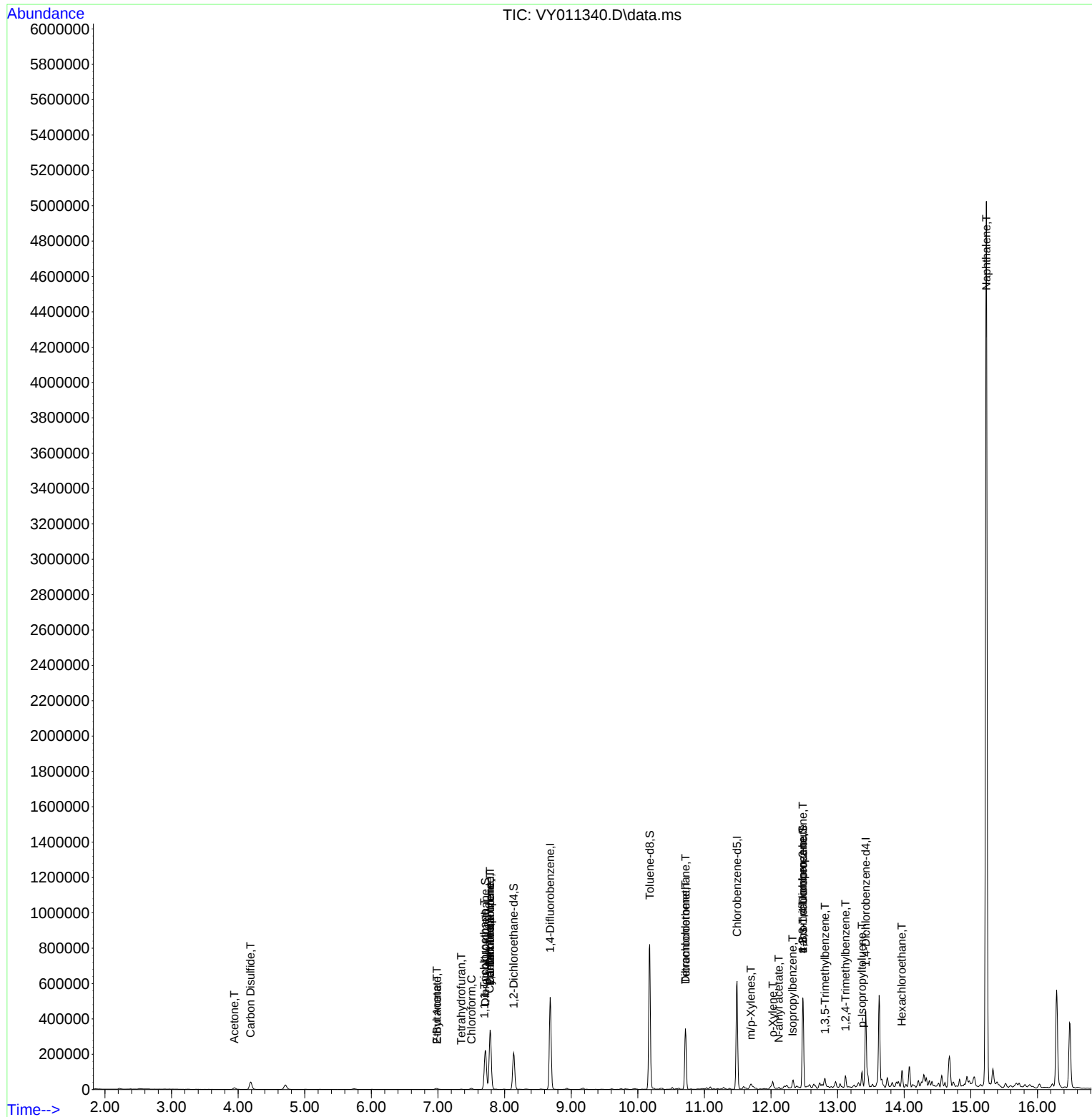
Internal Standards						
1) Pentafluorobenzene	7.783	168	265316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	451852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	114373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	159890	56.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.700%			
35) Dibromofluoromethane	7.710	113	157202	54.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.300%			
50) Toluene-d8	10.179	98	546142	48.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.477	95	160996	41.143	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	119	Below Cal	#	43
11) Tert butyl alcohol	4.960	59	228	Below Cal	#	77
16) Acetone	3.942	43	15773	18.415	ug/l	91
17) Carbon Disulfide	4.186	76	89610	9.454	ug/l	98
25) 2-Butanone	6.984	43	3778	3.135	ug/l #	77
29) Tetrahydrofuran	7.350	42	773	1.102	ug/l #	82
30) Chloroform	7.502	83	6514	1.136	ug/l	95
31) Cyclohexane	7.777	56	5275	1.003	ug/l #	2
32) 1,1,1-Trichloroethane	7.697	97	8044	1.582	ug/l	94
36) 1,1-Dichloropropene	7.783	75	18744	3.954	ug/l #	51
37) Ethyl Acetate	6.984	43	3778	1.478	ug/l #	78
38) Carbon Tetrachloride	7.783	117	25752	5.236	ug/l #	15
60) Dibromochloromethane	10.715	129	67892	20.484	ug/l #	11
64) Tetrachloroethene	10.715	164	77588	25.925	ug/l	97
68) m/p-Xylenes	11.697	106	7815	1.460	ug/l	96
69) o-Xylene	12.026	106	9375	1.869	ug/l	93
73) Isopropylbenzene	12.325	105	12596	1.473	ug/l	99
74) N-amyl acetate	12.117	43	2364	1.101	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	77574	55.713	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	11339	1.567	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77574	119.232	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	36429	5.090	ug/l	97
86) p-Isopropyltoluene	13.367	119	46442	6.027	ug/l	97
90) Hexachloroethane	13.965	117	4709	3.056	ug/l #	6
95) Naphthalene	15.233	128	4114135	747.892	ug/l	98

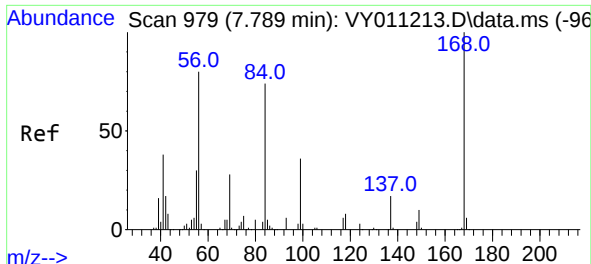
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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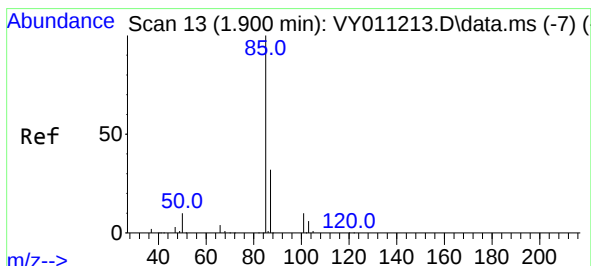
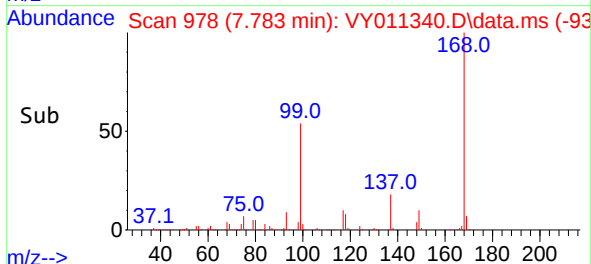
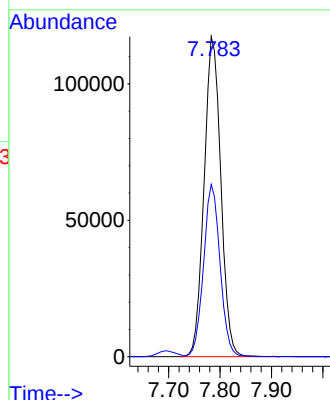
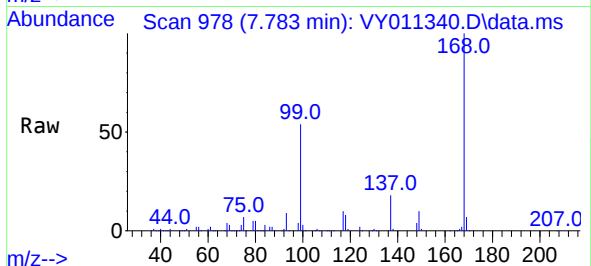




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

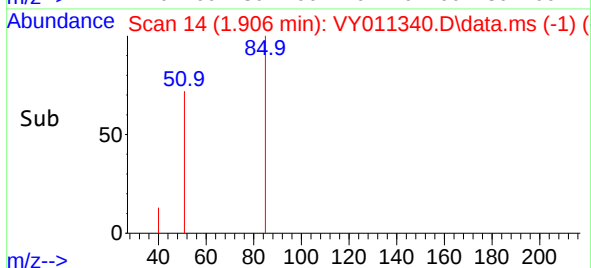
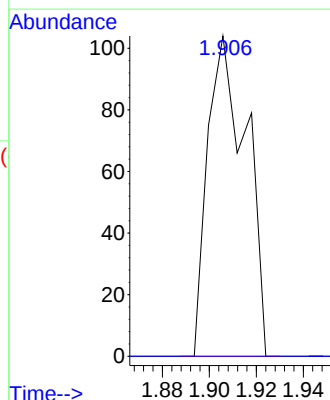
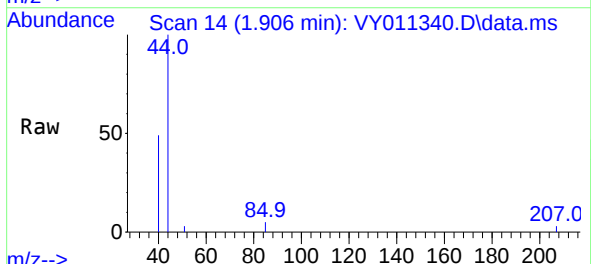
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

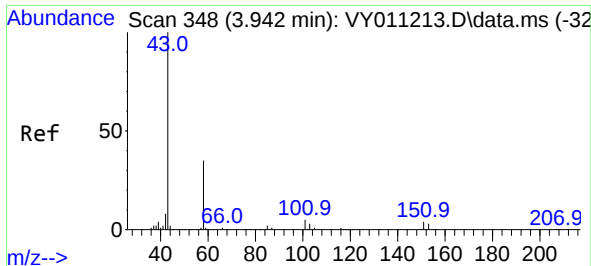
Tgt Ion:168 Resp: 265316
Ion Ratio Lower Upper
168 100
99 53.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 85 Resp: 119
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

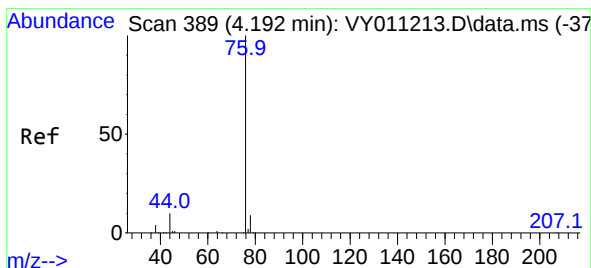
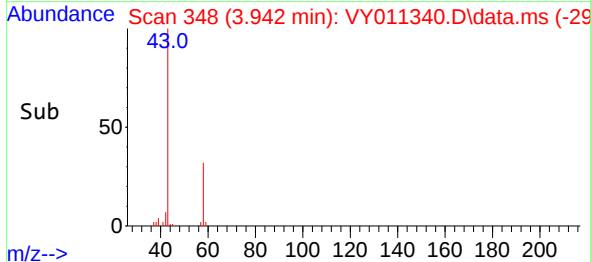
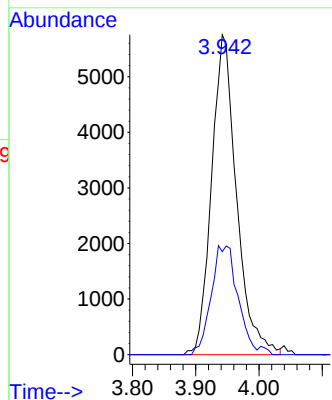
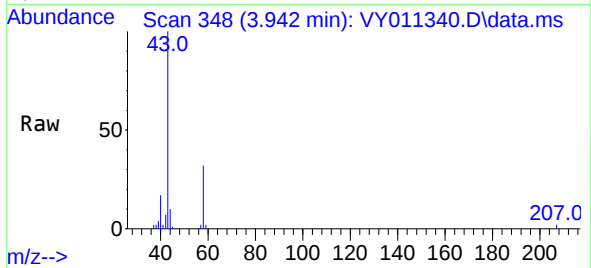




#16
Acetone
Concen: 18.415 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

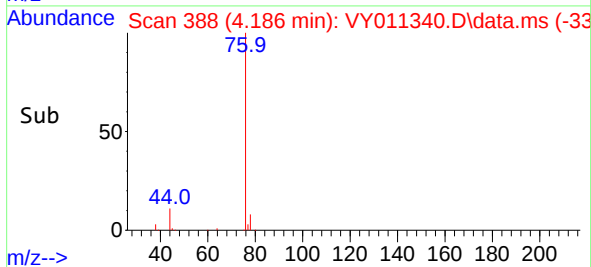
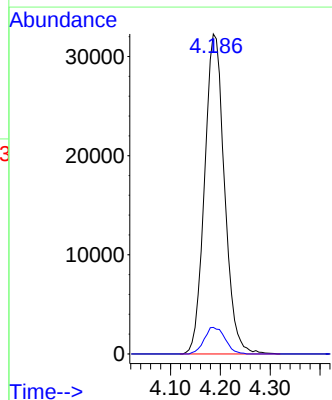
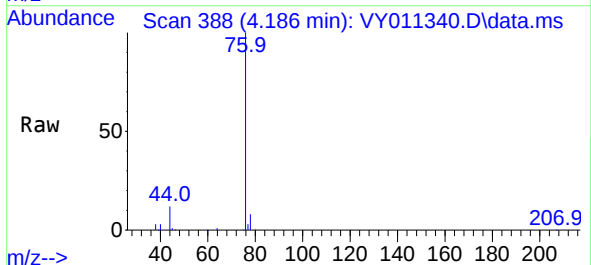
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

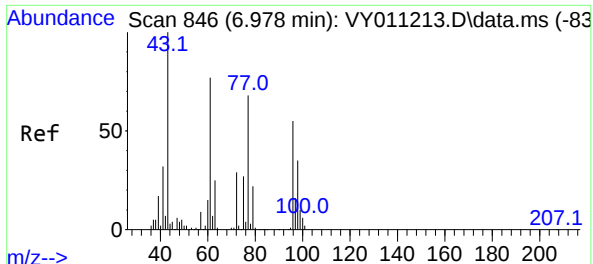
Tgt Ion: 43 Resp: 15773
Ion Ratio Lower Upper
43 100
58 32.2 22.0 33.0



#17
Carbon Disulfide
Concen: 9.454 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 76 Resp: 89610
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0





#25

2-Butanone

Concen: 3.135 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_Y

ClientSampleId :

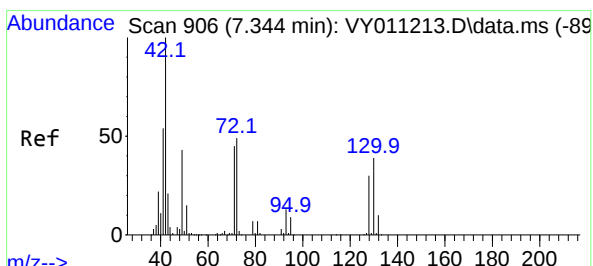
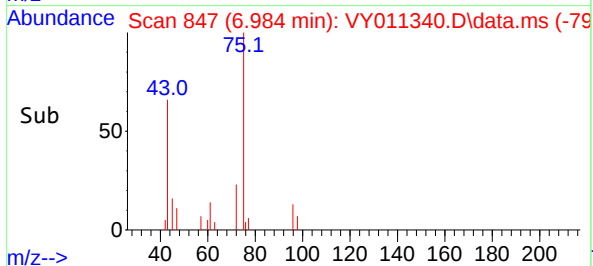
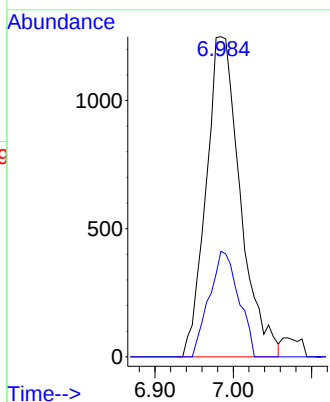
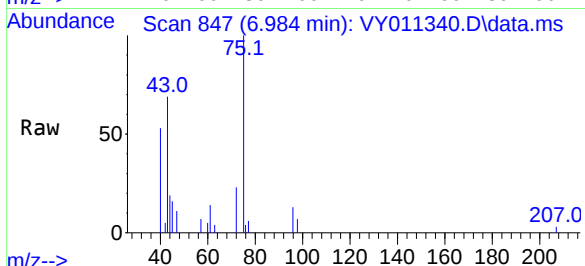
SB-16-20221028-5.0-6.0

Tgt Ion: 43 Resp: 3778

Ion Ratio Lower Upper

43 100

72 33.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.102 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY011340.D

Acq: 07 Nov 2022 17:11

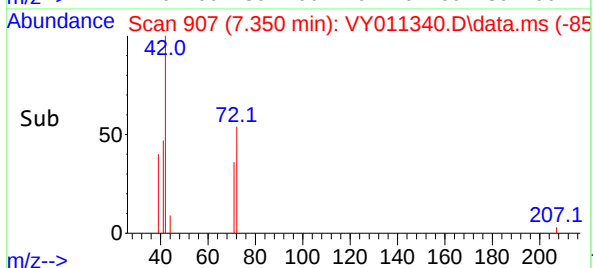
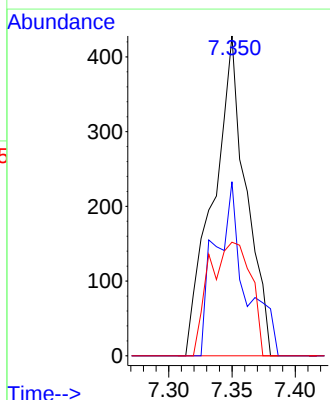
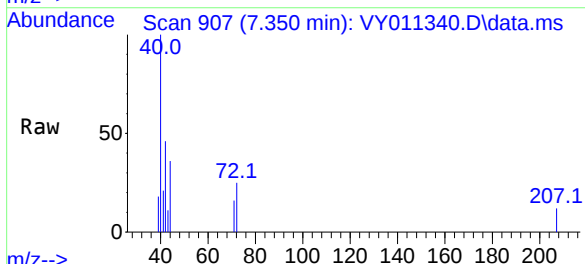
Tgt Ion: 42 Resp: 773

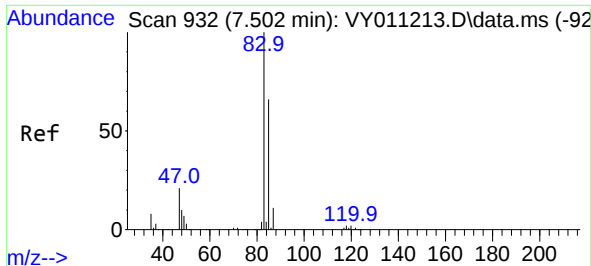
Ion Ratio Lower Upper

42 100

72 49.9 30.3 45.5#

71 45.0 29.0 43.4#

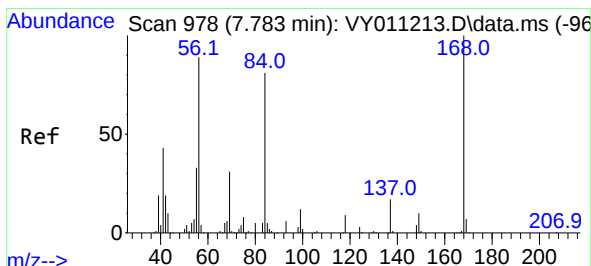
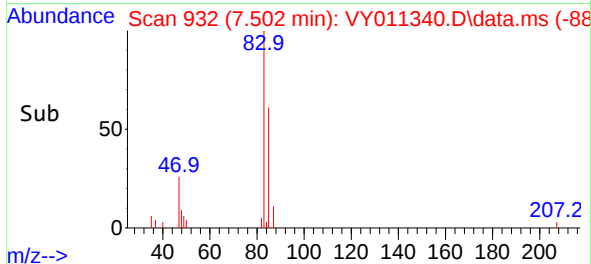
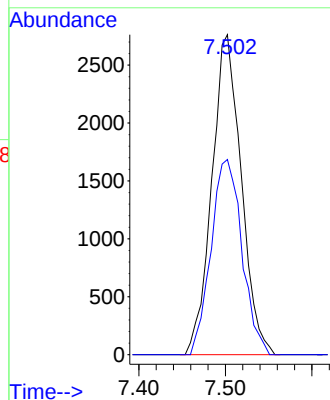
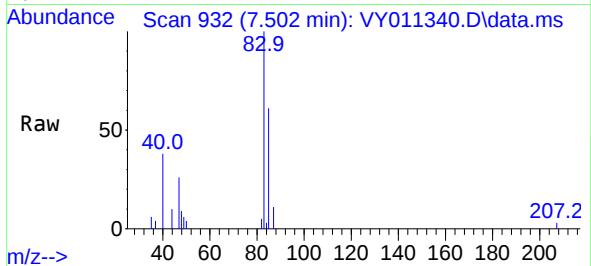




#30
Chloroform
Concen: 1.136 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

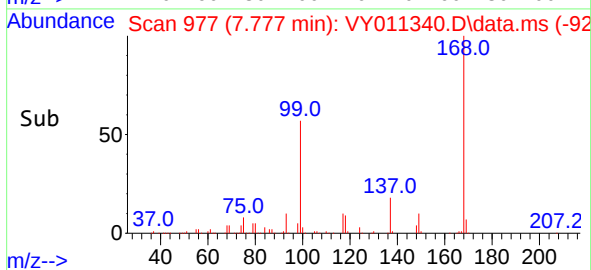
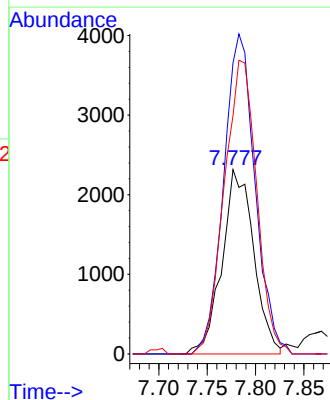
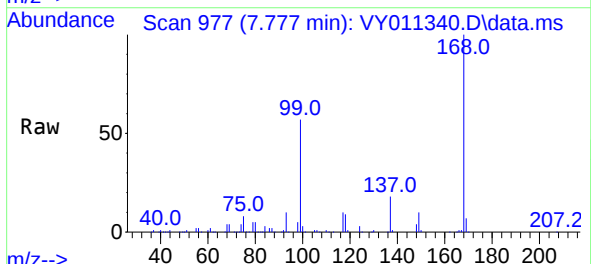
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

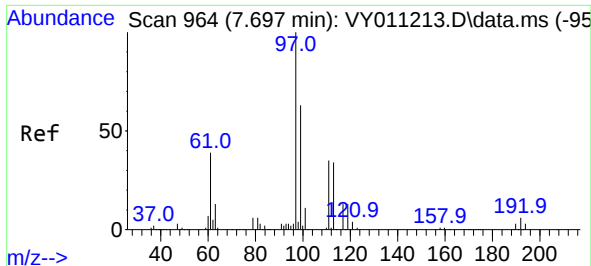
Tgt Ion: 83 Resp: 6514
Ion Ratio Lower Upper
83 100
85 61.0 51.8 77.6



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 56 Resp: 5275
Ion Ratio Lower Upper
56 100
69 157.8 26.7 40.1#
84 129.3 67.2 100.8#

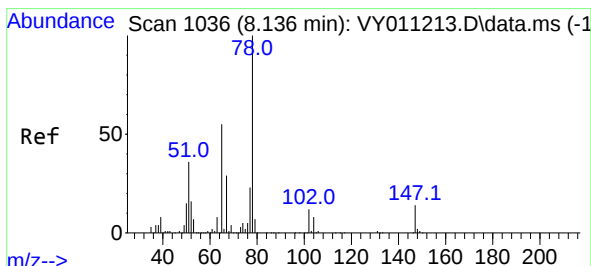
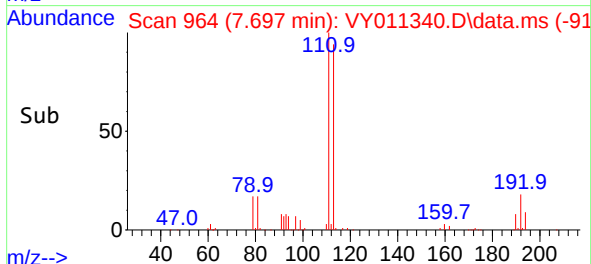
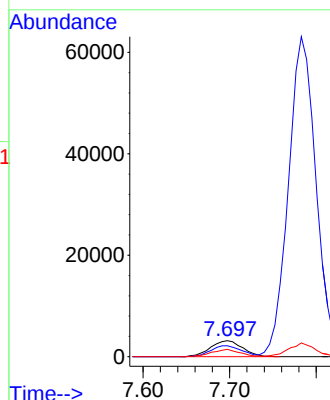
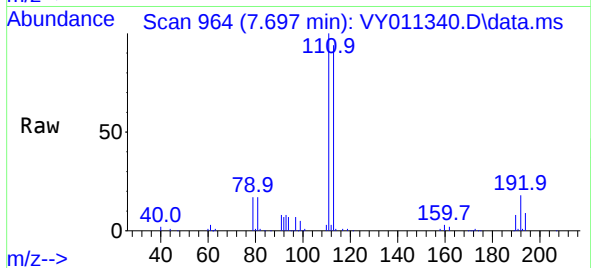




#32
1,1,1-Trichloroethane
Concen: 1.582 ug/l
RT: 7.697 min Scan# 90
Delta R.T. -0.001 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

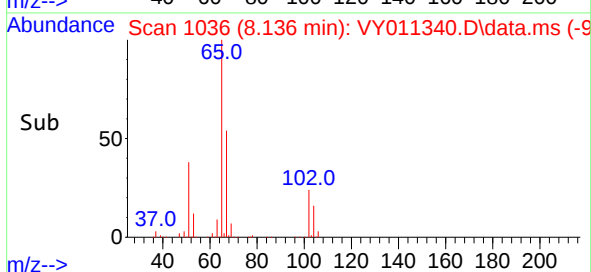
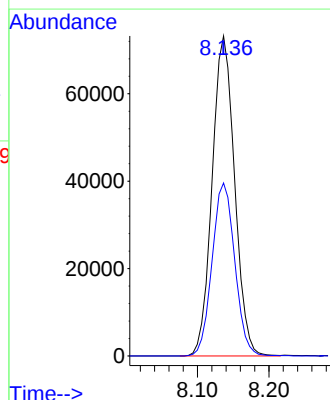
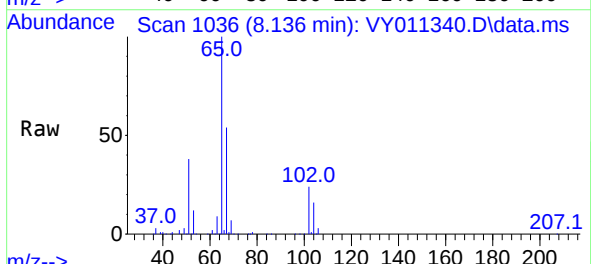
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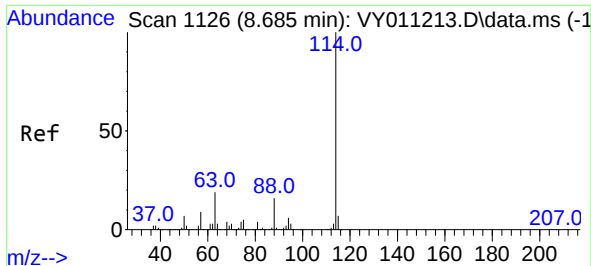
Tgt Ion:	97	Resp:	8044
Ion	Ratio	Lower	Upper
97	100		
99	67.4	50.7	76.1
61	41.5	37.6	56.4



#33
1,2-Dichloroethane-d4
Concen: 56.348 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:	65	Resp:	159890
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	99.4

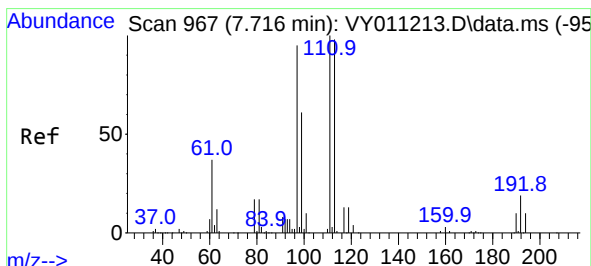
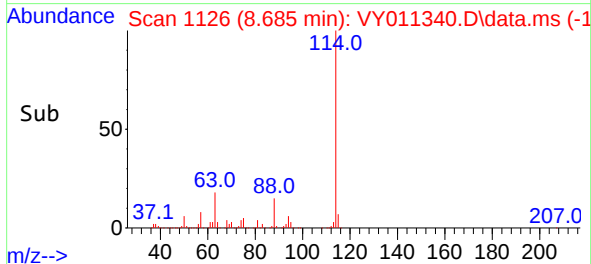
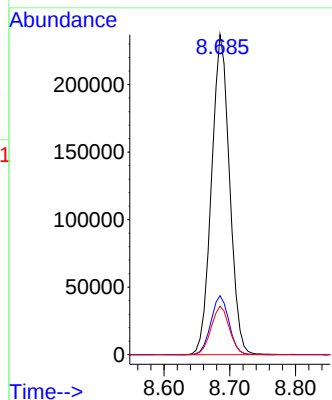
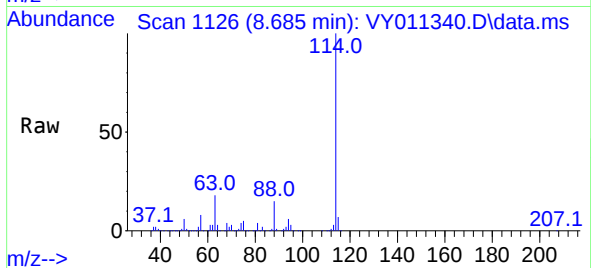




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

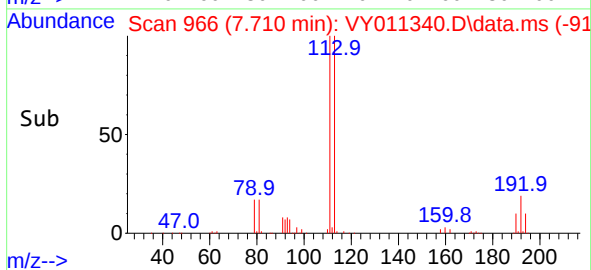
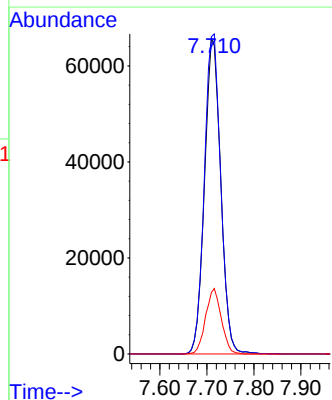
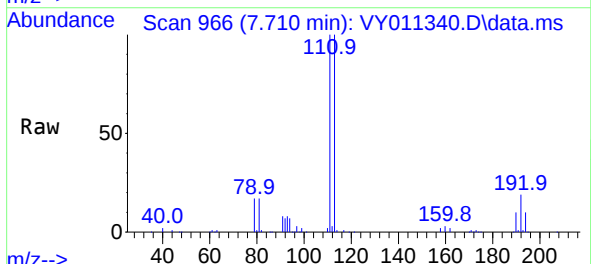
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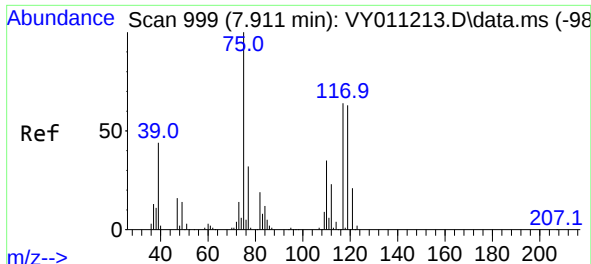
Tgt Ion:	114	Resp:	451852
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	43.2
88	15.1	0.0	31.8



#35
Dibromofluoromethane
Concen: 54.149 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:	113	Resp:	157202
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	20.1	17.6	26.4

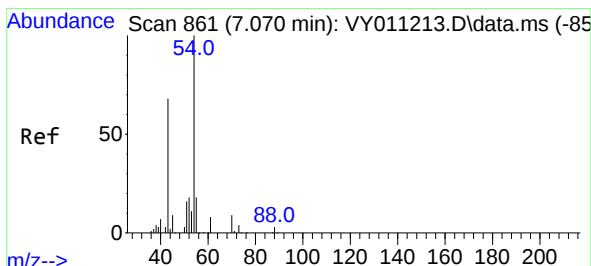
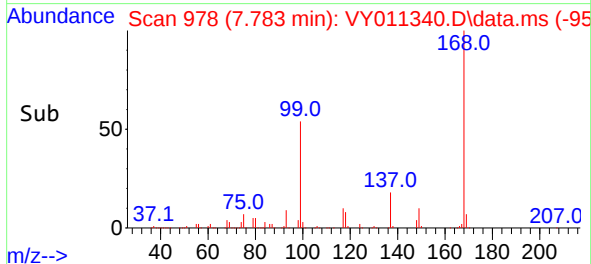
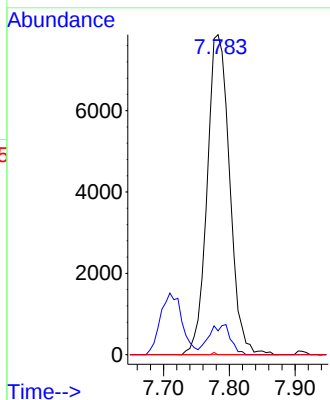
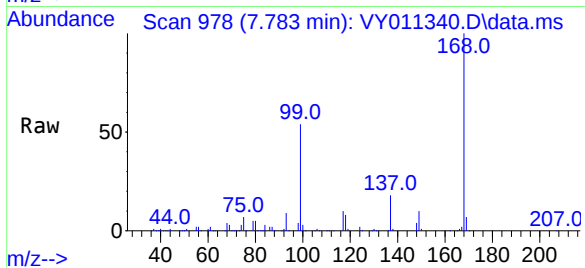




#36
1,1-Dichloropropene
Concen: 3.954 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

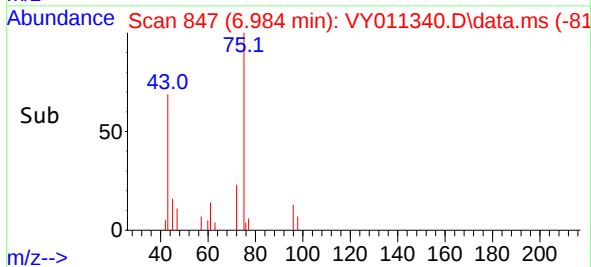
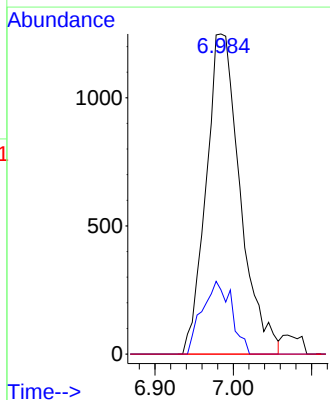
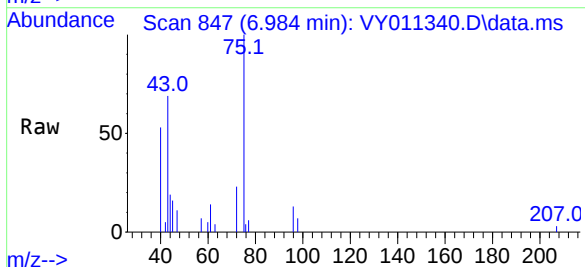
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

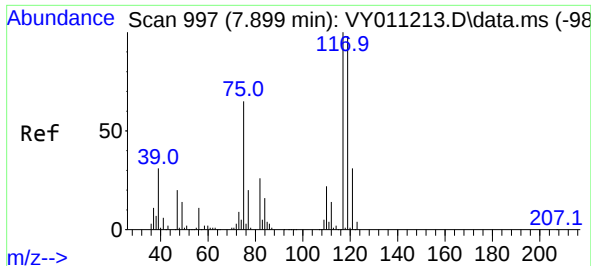
Tgt Ion: 75 Resp: 18744
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.478 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

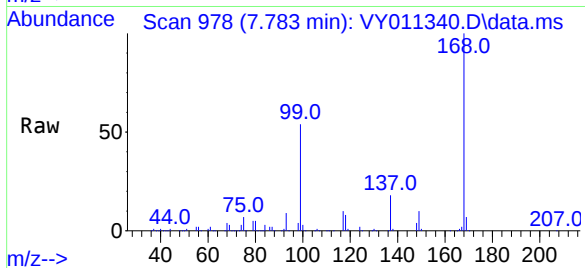
Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
61 19.7 9.7 14.5#
70 0.0 7.1 10.7#



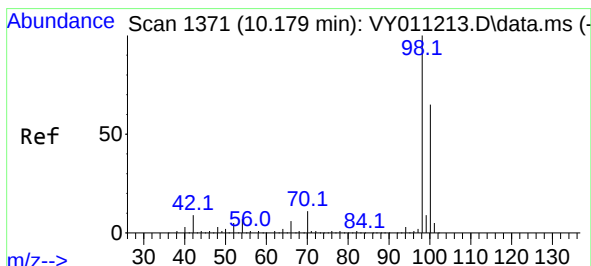
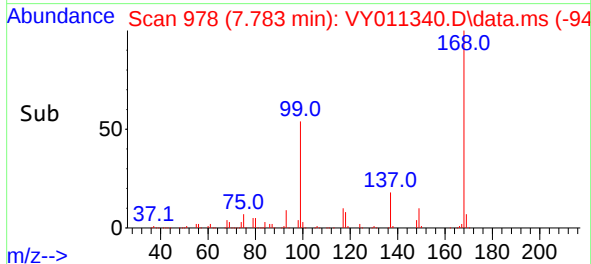
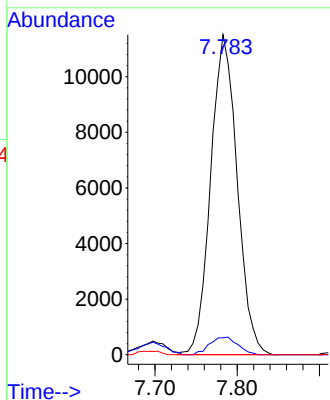


#38
Carbon Tetrachloride
Concen: 5.236 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

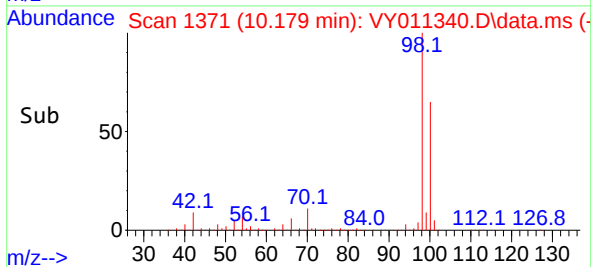
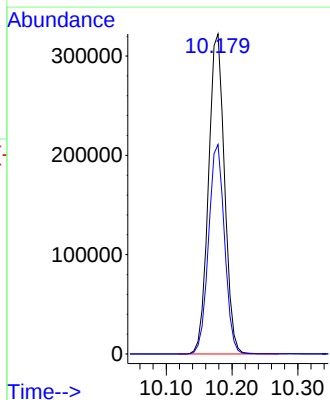
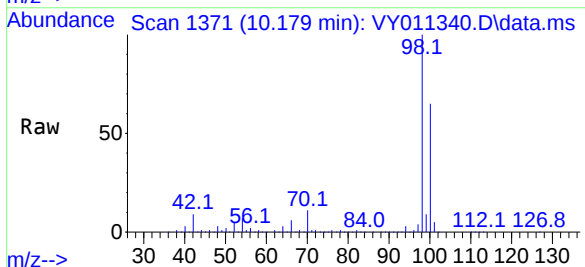


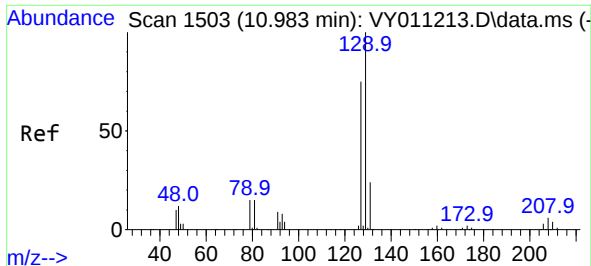
Tgt Ion:117 Resp: 25752
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.453 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 98 Resp: 546142
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

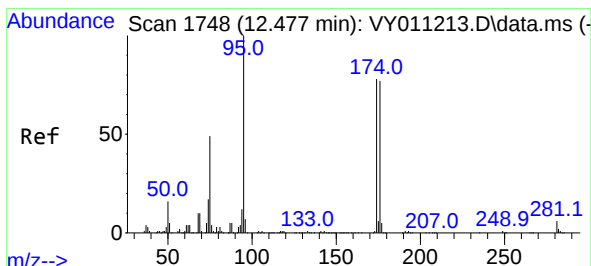
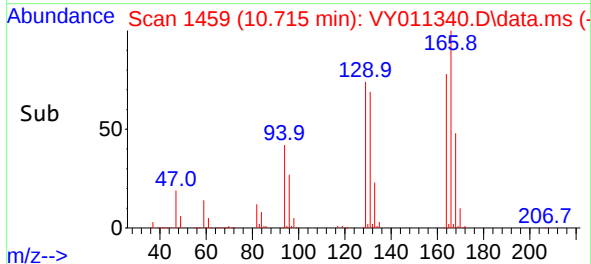
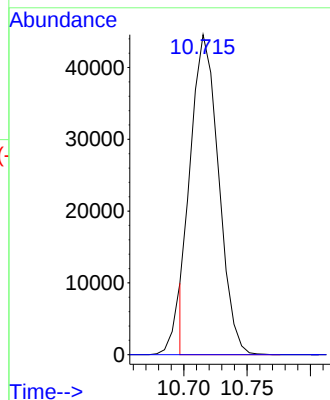
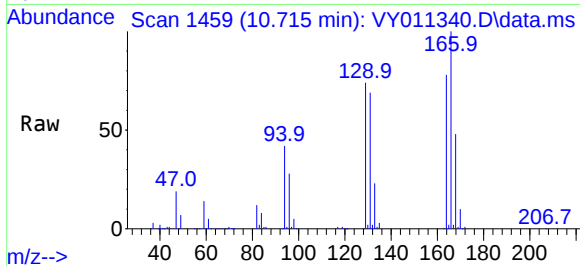




#60
Dibromochloromethane
Concen: 20.484 ug/l
RT: 10.715 min Scan# 14
Delta R.T. -0.269 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

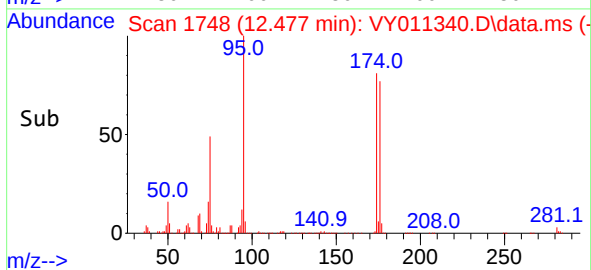
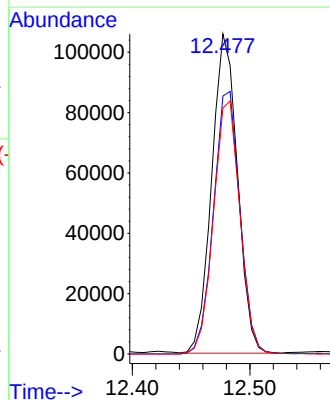
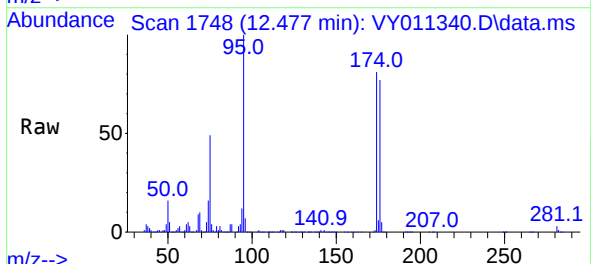
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

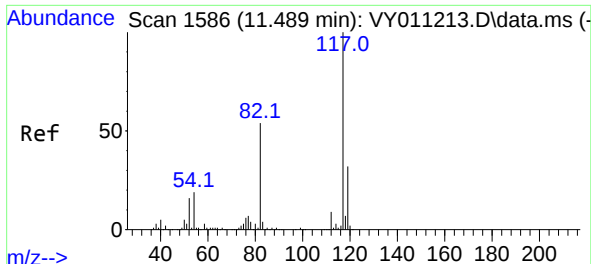
Tgt Ion:129 Resp: 67892
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 41.143 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 95 Resp: 160996
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 81.6 0.0 175.8

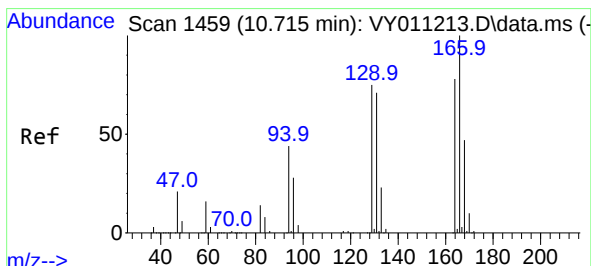
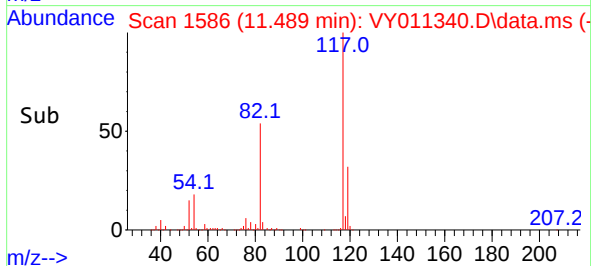
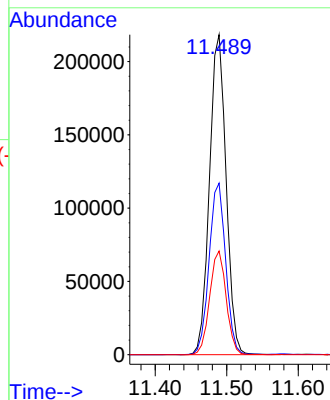
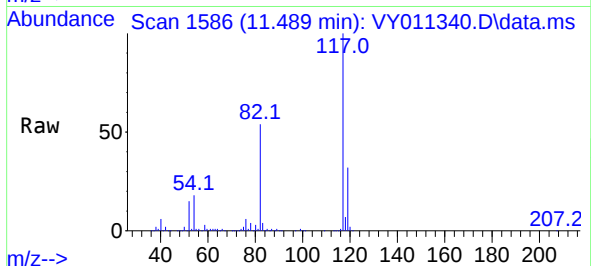




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

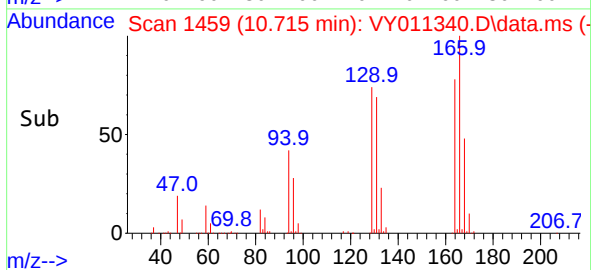
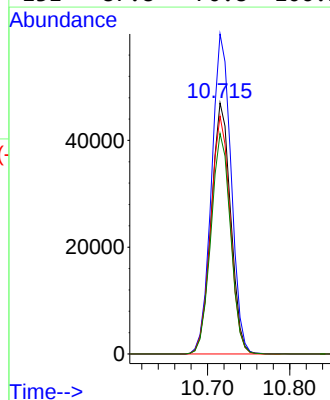
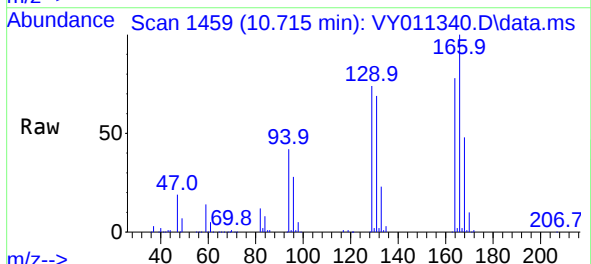
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

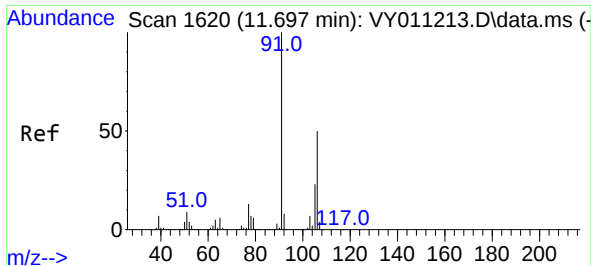
Tgt Ion:117 Resp: 352331
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 25.925 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:164 Resp: 77588
Ion Ratio Lower Upper
164 100
166 127.5 100.4 150.6
129 94.8 71.4 107.0
131 87.8 70.8 106.2

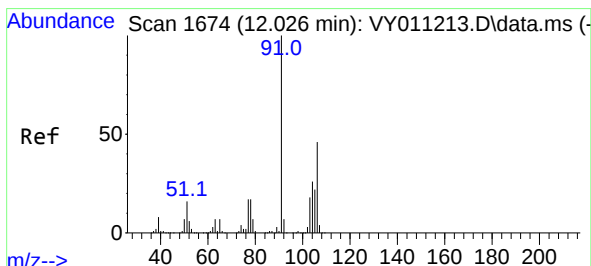
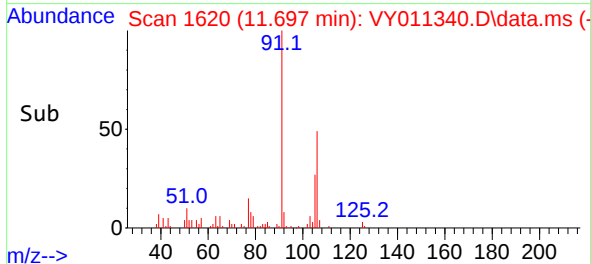
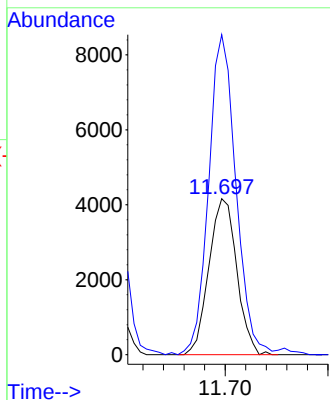
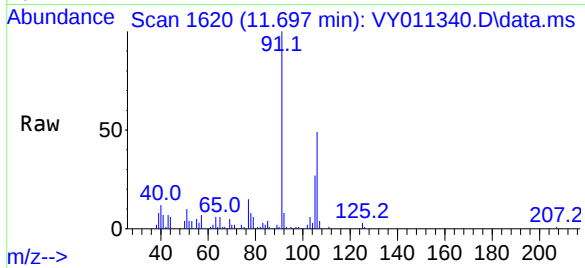




#68
m/p-Xylenes
Concen: 1.460 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

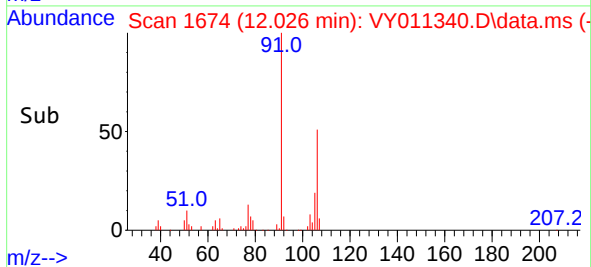
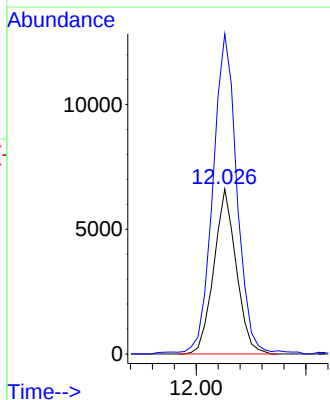
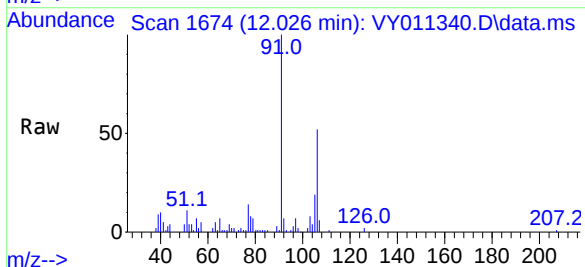
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

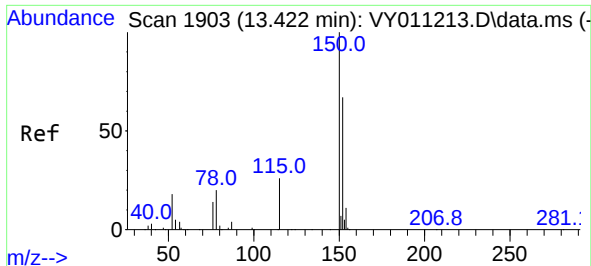
Tgt Ion:106 Resp: 7815
Ion Ratio Lower Upper
106 100
91 201.4 166.6 249.8



#69
o-Xylene
Concen: 1.869 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:106 Resp: 9375
Ion Ratio Lower Upper
106 100
91 209.9 110.3 331.0

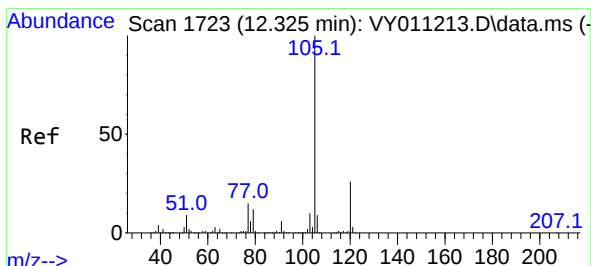
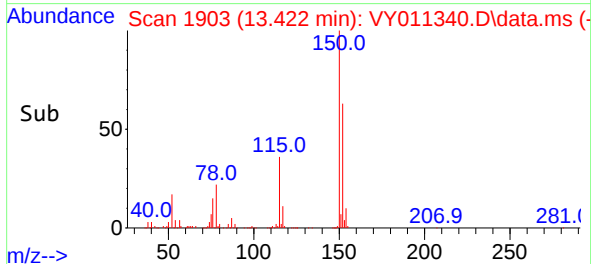
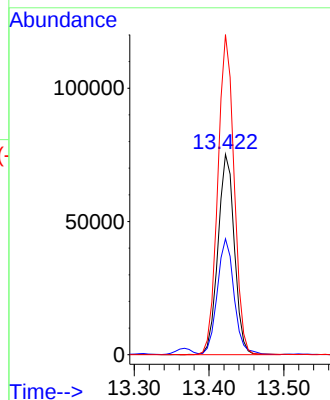
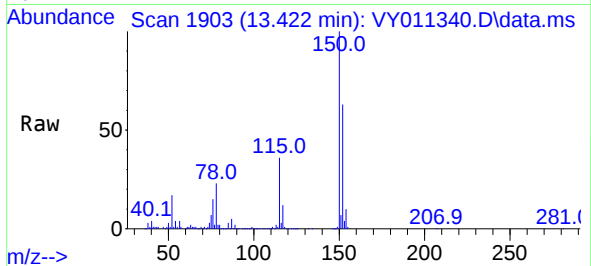




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

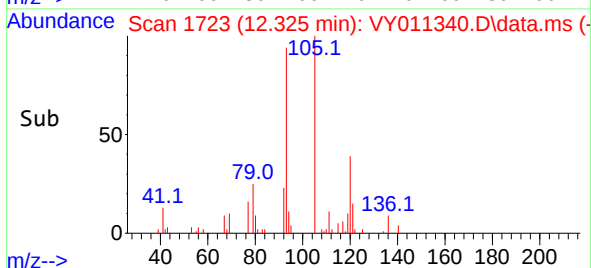
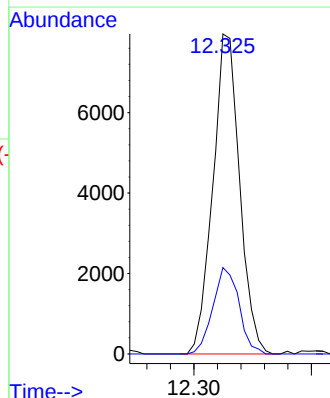
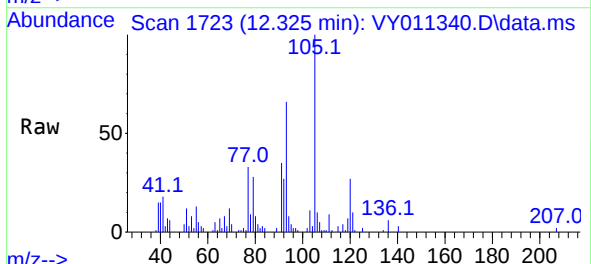
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

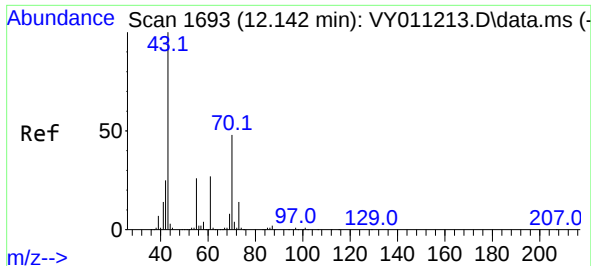
Tgt Ion:152 Resp: 114373
Ion Ratio Lower Upper
152 100
115 59.2 28.2 84.7
150 159.2 0.0 347.6



#73
Isopropylbenzene
Concen: 1.473 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:105 Resp: 12596
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2

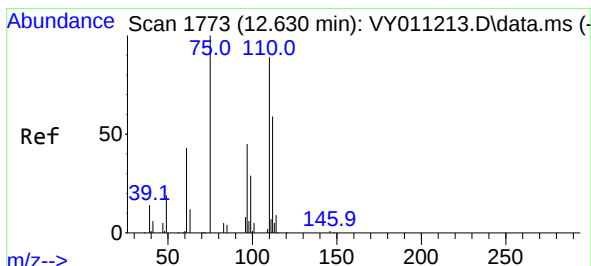
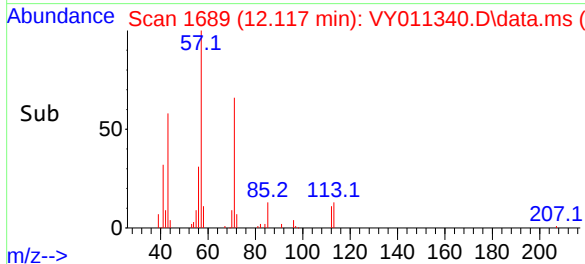
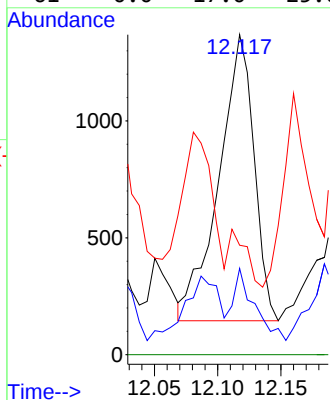
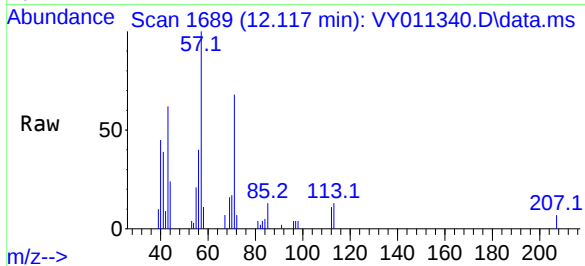




#74
N-amy1 acetate
Concen: 1.101 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

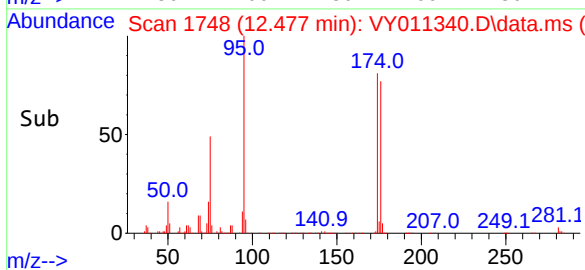
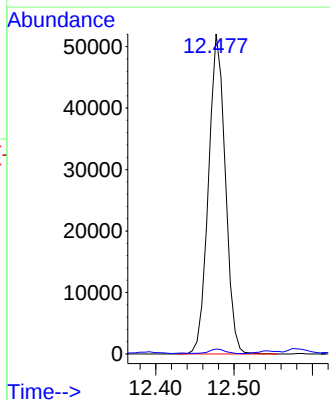
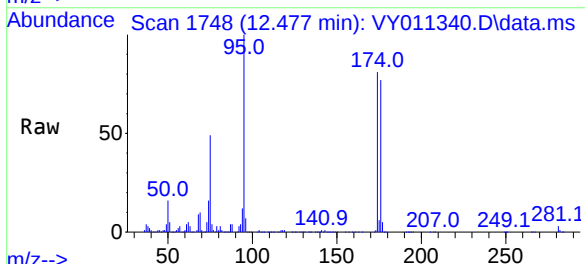
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

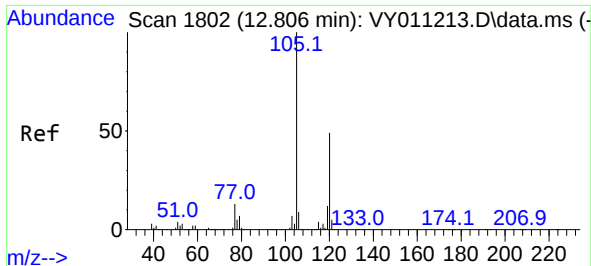
Tgt Ion:	43	Resp:	2364
Ion	Ratio	Lower	Upper
43	100		
70	15.0	28.7	43.1#
55	0.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 55.713 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:	75	Resp:	77574
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

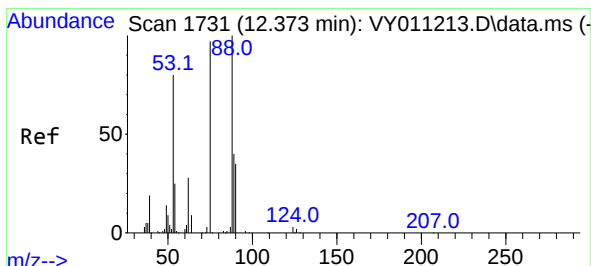
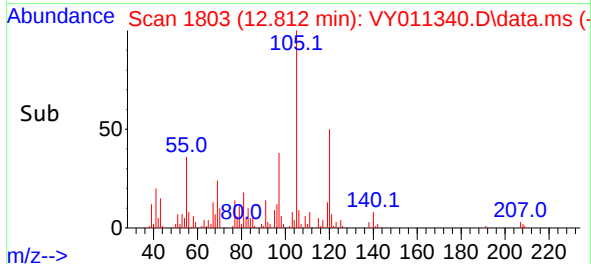
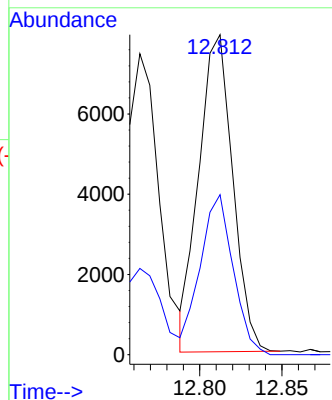
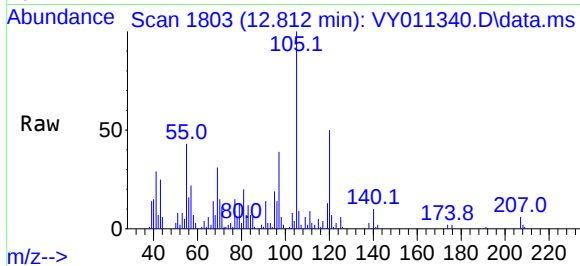




#80
1,3,5-Trimethylbenzene
Concen: 1.567 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

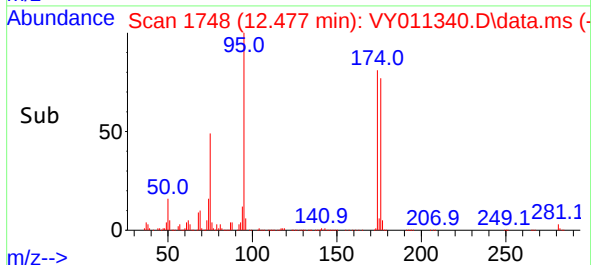
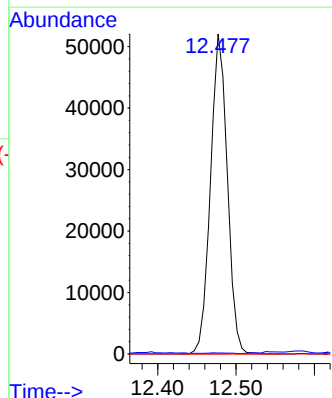
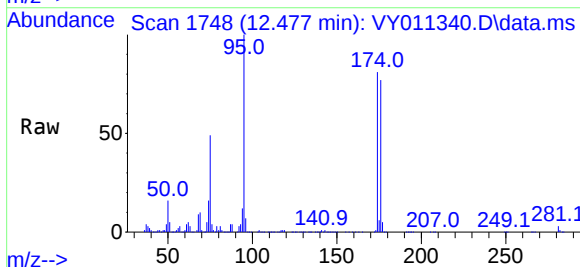
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

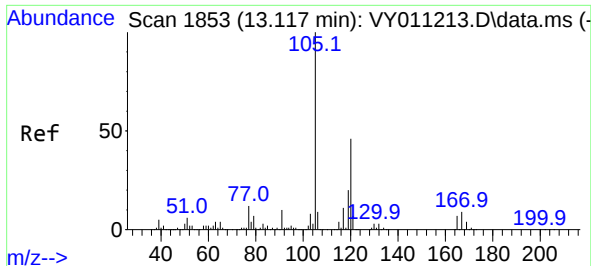
Tgt Ion:105 Resp: 11339
Ion Ratio Lower Upper
105 100
120 49.1 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 119.232 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 75 Resp: 77574
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

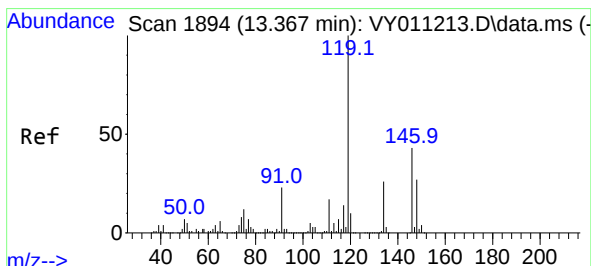
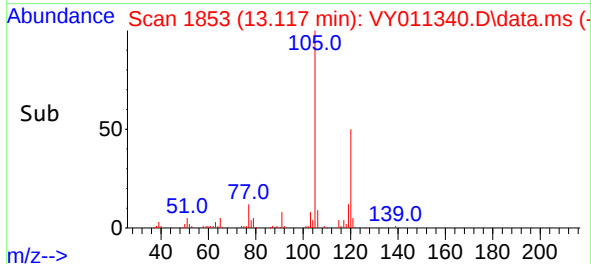
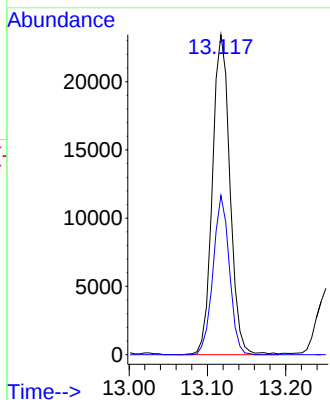
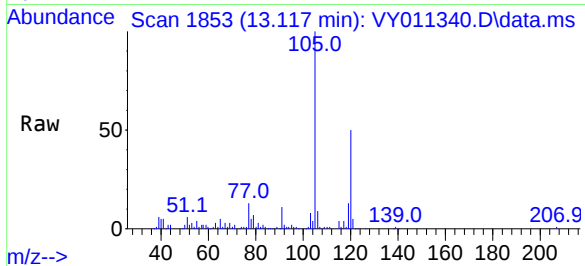




#84
1,2,4-Trimethylbenzene
Concen: 5.090 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

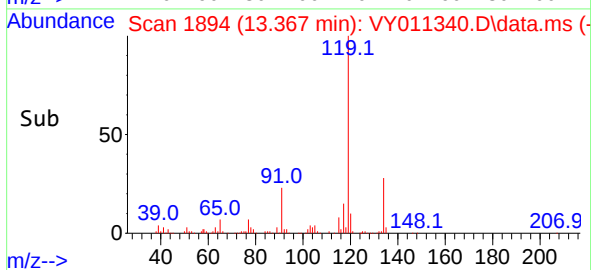
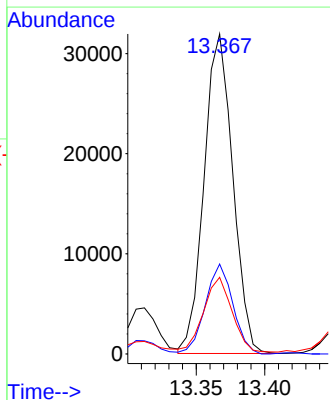
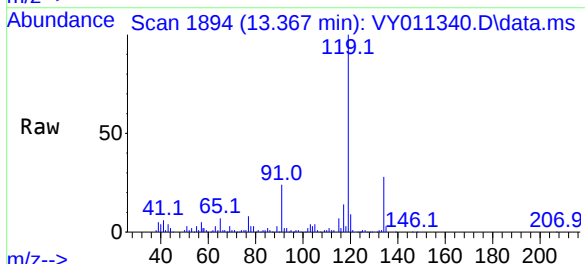
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

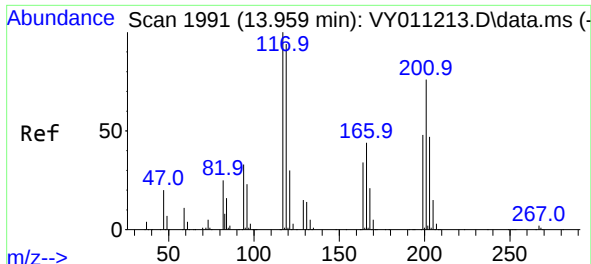
Tgt Ion:105 Resp: 36429
Ion Ratio Lower Upper
105 100
120 46.3 22.3 66.9



#86
p-Isopropyltoluene
Concen: 6.027 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:119 Resp: 46442
Ion Ratio Lower Upper
119 100
134 27.0 13.2 39.5
91 23.0 12.4 37.2

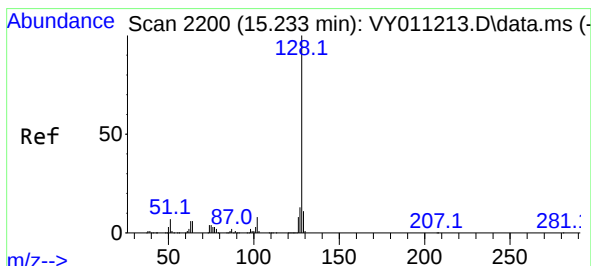
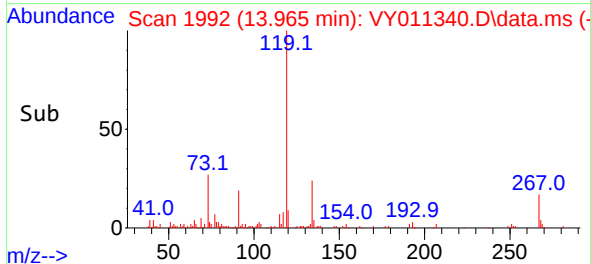
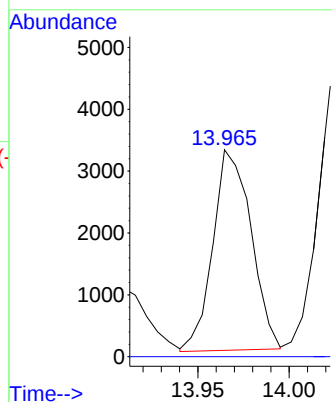
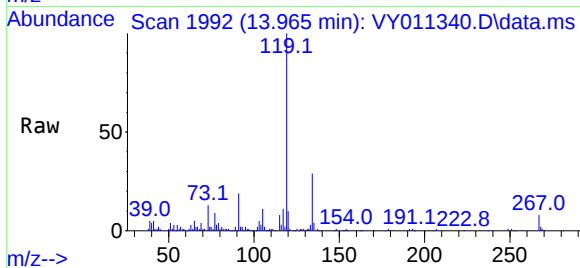




#90
Hexachloroethane
Concen: 3.056 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-5.0-6.0

Tgt Ion:117 Resp: 4709
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 747.892 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011340.D
Acq: 07 Nov 2022 17:11

Tgt Ion:128 Resp: 4114135
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.3 8.4 12.6

