

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011341.D
 Acq On : 07 Nov 2022 17:33
 Operator : KP/MD
 Sample : N5378-02
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Nov 08 03:30:26 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)

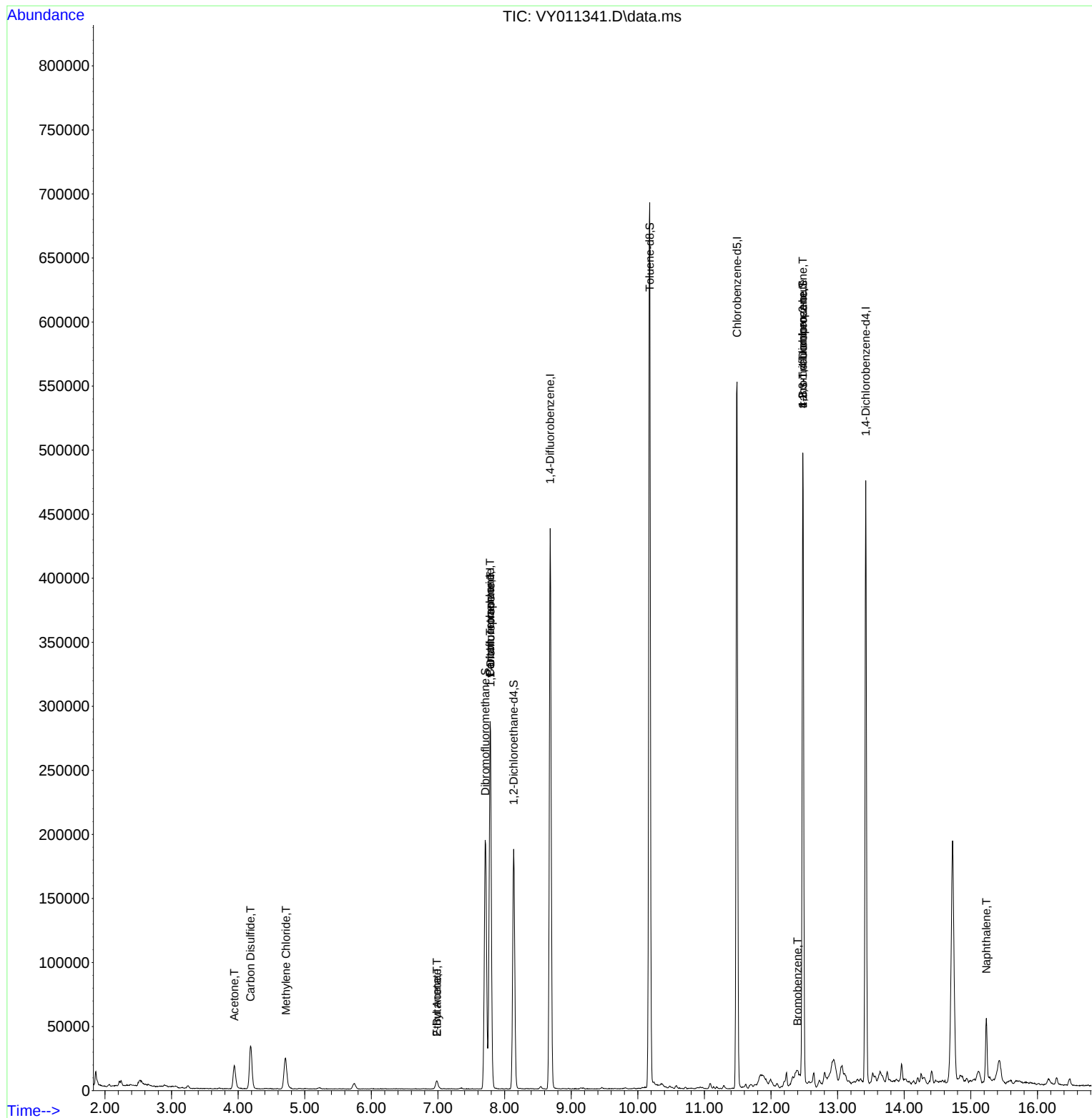
Internal Standards						
1) Pentafluorobenzene	7.783	168	229756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	385773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	318827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141472	57.573	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.140%
35) Dibromofluoromethane	7.710	113	144080	58.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.260%
50) Toluene-d8	10.179	98	476223	49.486	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.980%
62) 4-Bromofluorobenzene	12.477	95	155682	46.600	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.200%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	329	Below Cal	#	77
13) Acrolein	3.729	56	471	Below Cal		89
16) Acetone	3.942	43	31227	42.099	ug/l #	85
17) Carbon Disulfide	4.186	76	72034	8.776	ug/l	98
20) Methylene Chloride	4.716	84	19579	1.585	ug/l #	77
25) 2-Butanone	6.984	43	9136	8.754	ug/l #	71
36) 1,1-Dichloropropene	7.789	75	15966	3.945	ug/l #	51
37) Ethyl Acetate	6.984	43	9136	4.187	ug/l #	72
38) Carbon Tetrachloride	7.783	117	22251	5.299	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	75499	49.846	ug/l #	100
77) Bromobenzene	12.398	156	12735	5.820	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	75499	106.677	ug/l #	8
95) Naphthalene	15.233	128	42582	11.047	ug/l	99

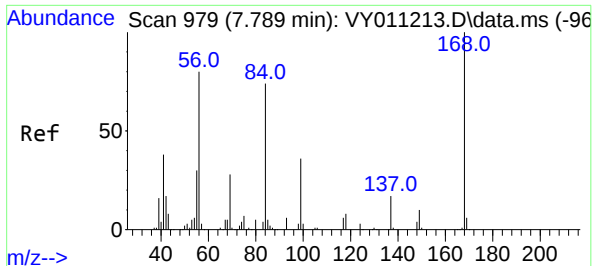
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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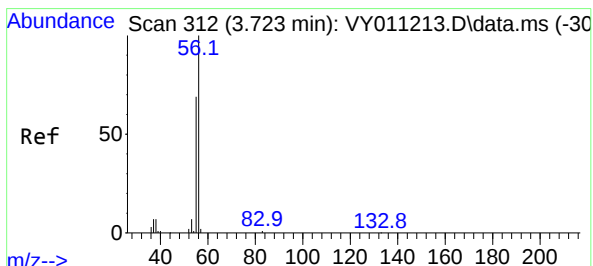
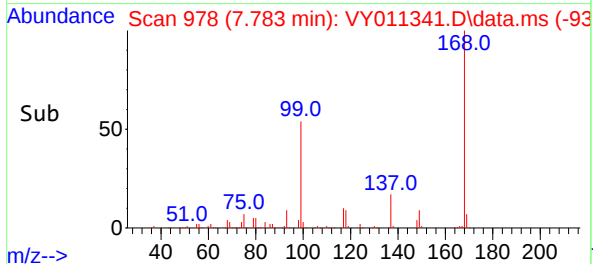
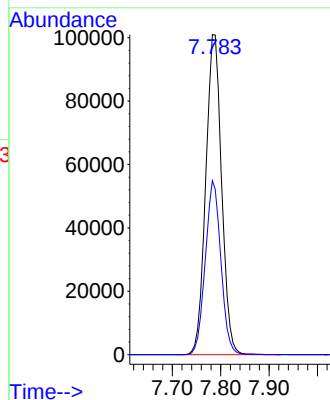
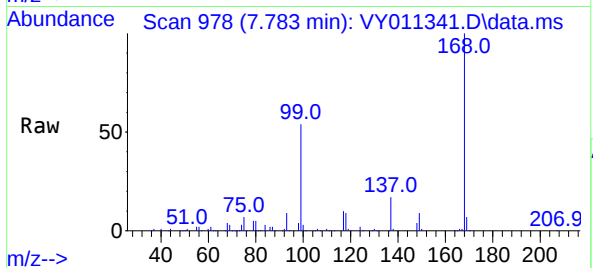




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

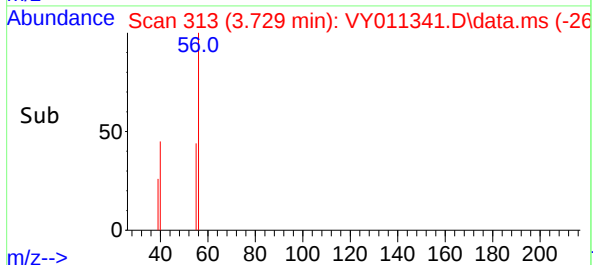
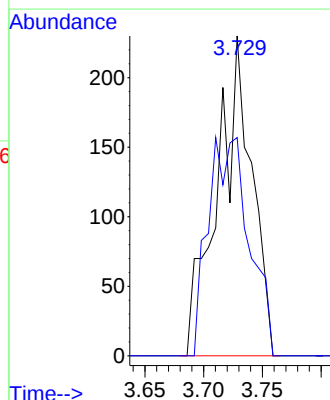
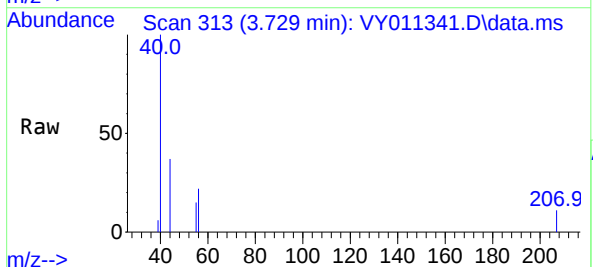
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5

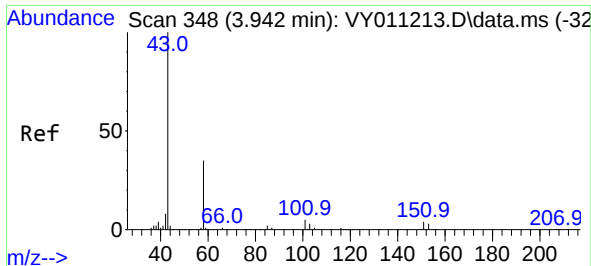
Tgt Ion:168 Resp: 229756
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 80.9 57.6 86.4

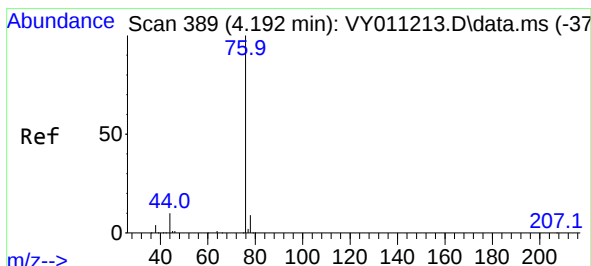
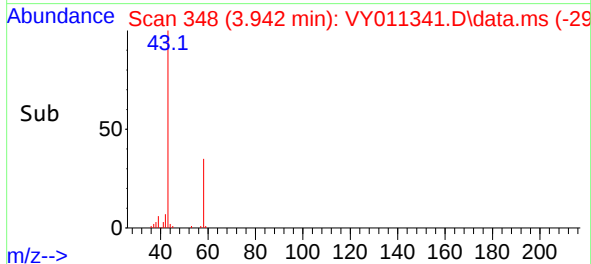
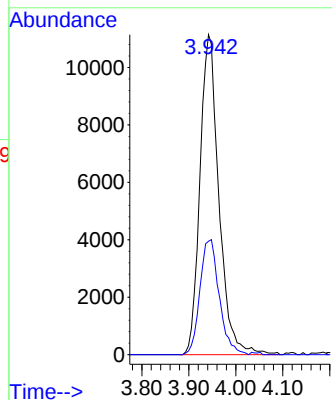
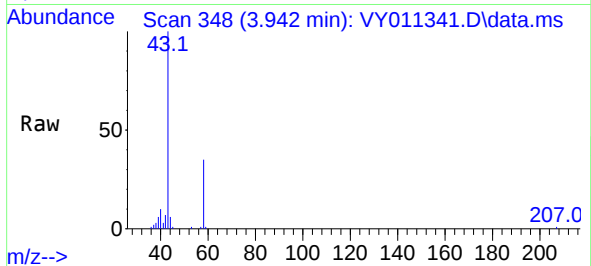




#16
Acetone
Concen: 42.099 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

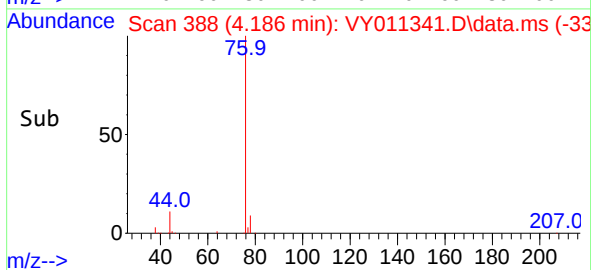
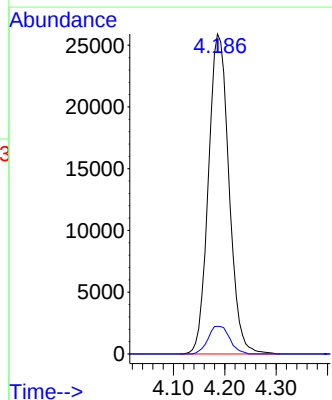
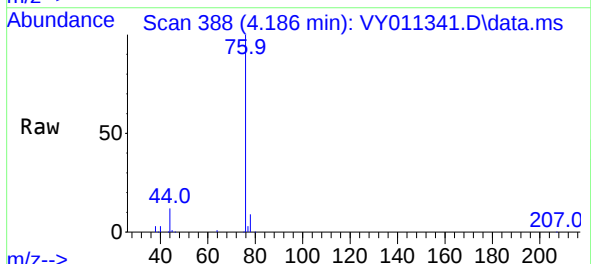
Instrument : MSVOA_Y
ClientSampleId : SB-16-20221028-10.5-11.5

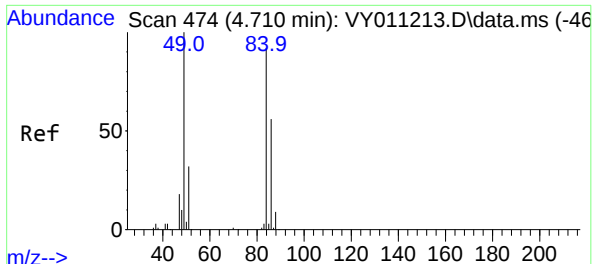
Tgt Ion: 43 Resp: 31227
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#



#17
Carbon Disulfide
Concen: 8.776 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

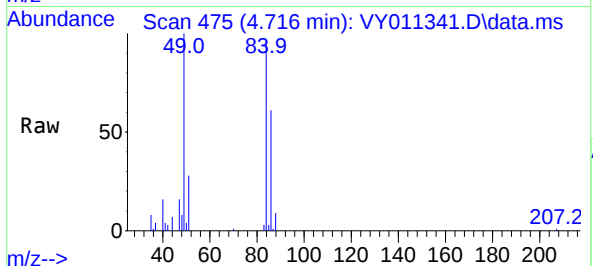
Tgt Ion: 76 Resp: 72034
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



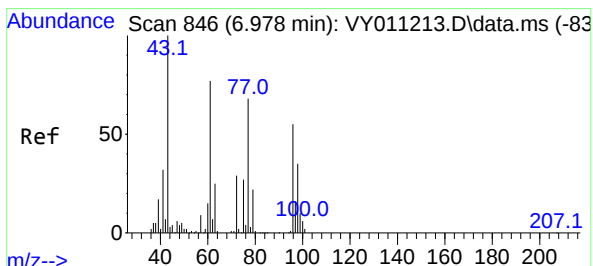
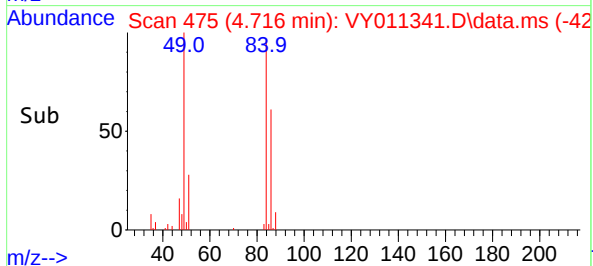
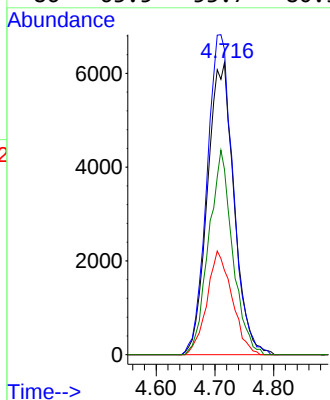


#20
Methylene Chloride
Concen: 1.585 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

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

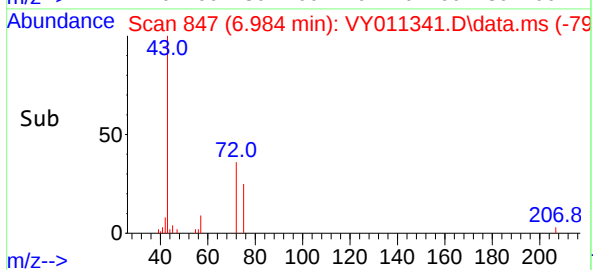
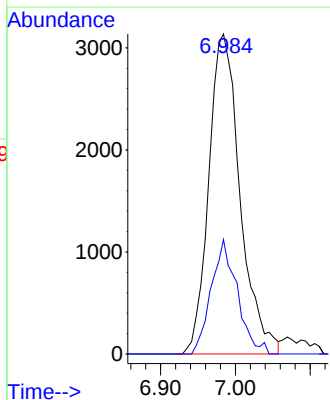
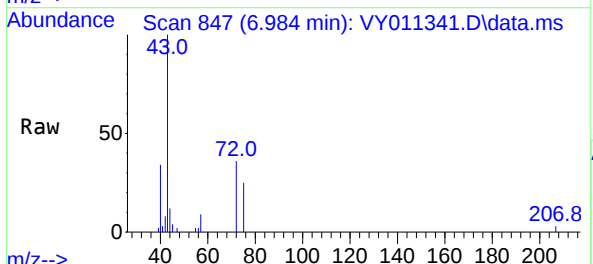


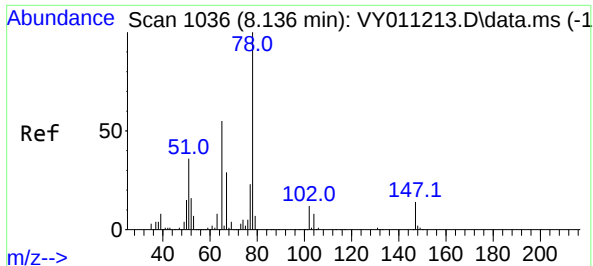
Tgt Ion: 84 Resp: 19579
Ion Ratio Lower Upper
84 100
49 104.7 114.4 171.6#
51 28.9 35.3 52.9#
86 63.5 53.7 80.5



#25
2-Butanone
Concen: 8.754 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion: 43 Resp: 9136
Ion Ratio Lower Upper
43 100
72 35.8 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 57.573 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011341.D

Acq: 07 Nov 2022 17:33

Instrument :

MSVOA_Y

ClientSampleId :

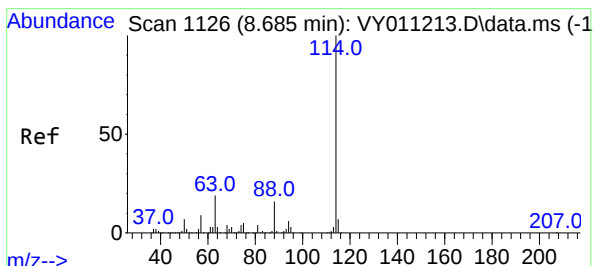
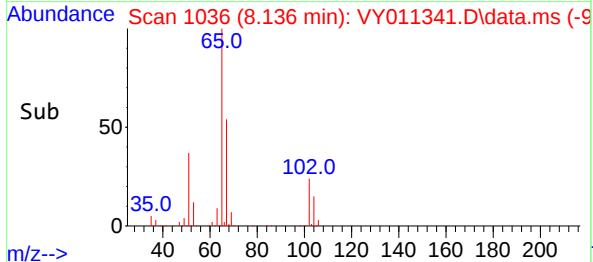
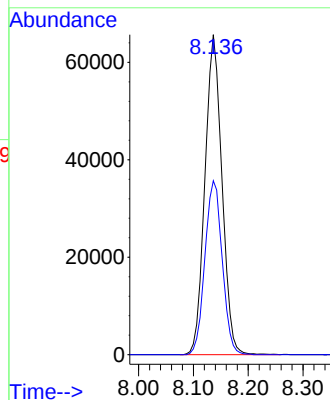
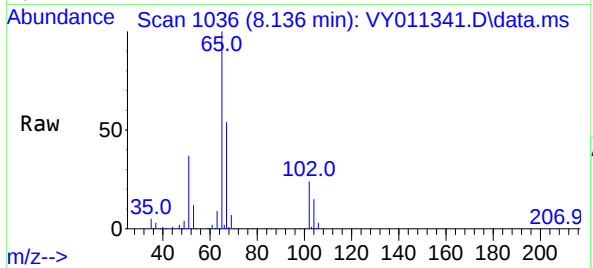
SB-16-20221028-10.5-11.5

Tgt Ion: 65 Resp: 141472

Ion Ratio Lower Upper

65 100

67 55.2 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: VY011341.D

Acq: 07 Nov 2022 17:33

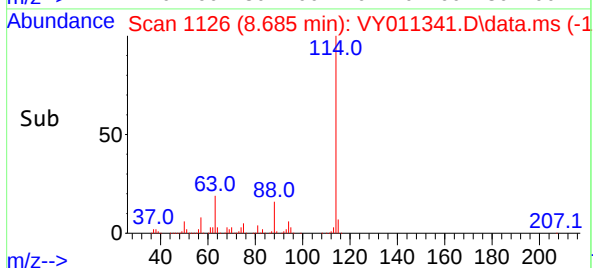
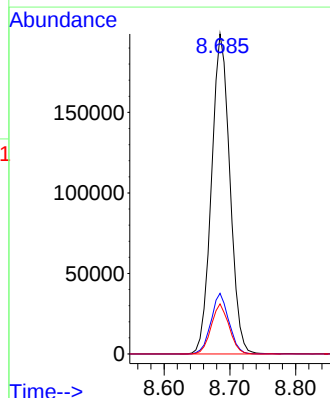
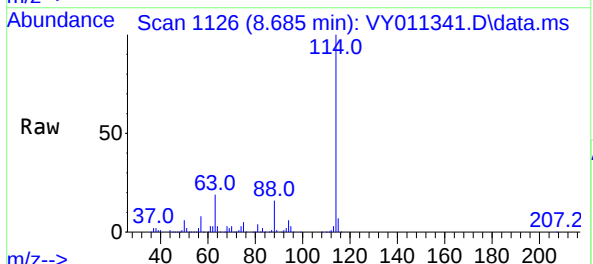
Tgt Ion:114 Resp: 385773

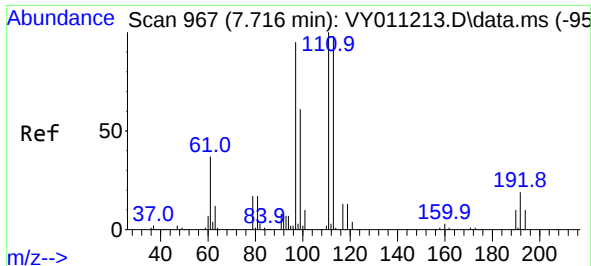
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.7 0.0 31.8

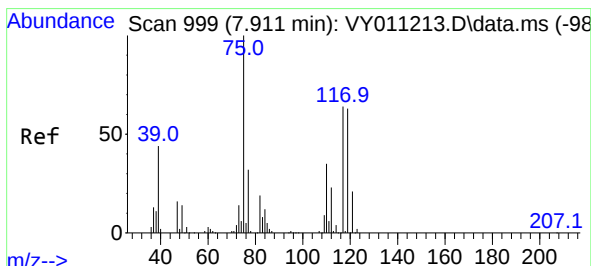
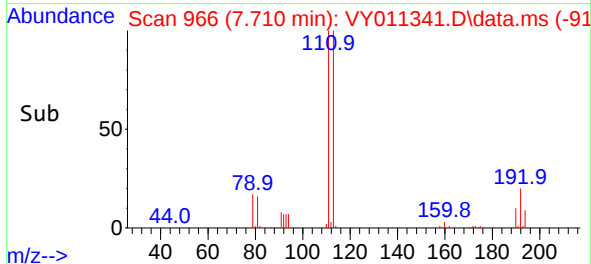
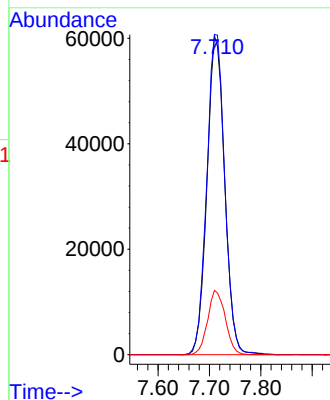
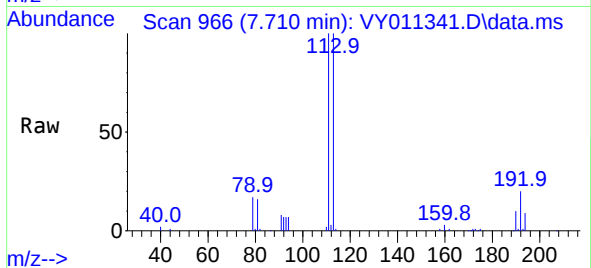




#35
Dibromofluoromethane
Concen: 58.130 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

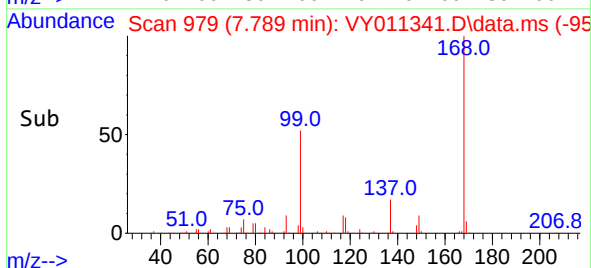
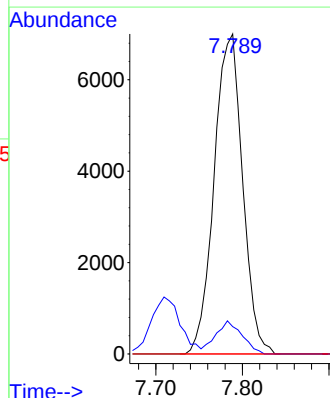
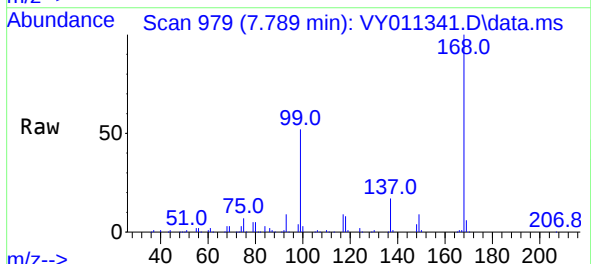
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SB-16-20221028-10.5-11.5

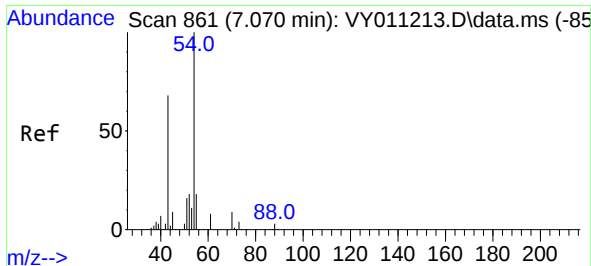
Tgt Ion:113 Resp: 144080
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 20.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 3.945 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion: 75 Resp: 15966
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.187 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.086 min

Lab File: VY011341.D

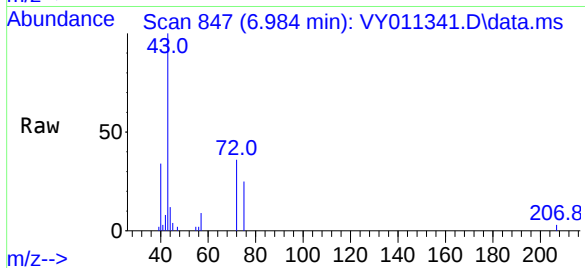
Acq: 07 Nov 2022 17:33

Instrument :

MSVOA_Y

ClientSampleId :

SB-16-20221028-10.5-11.5



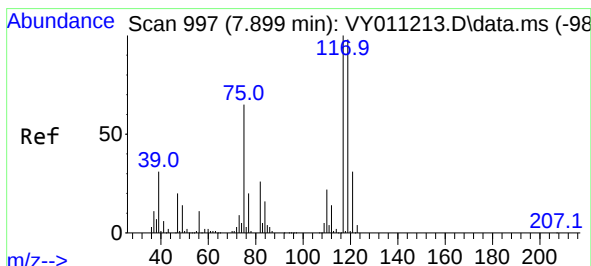
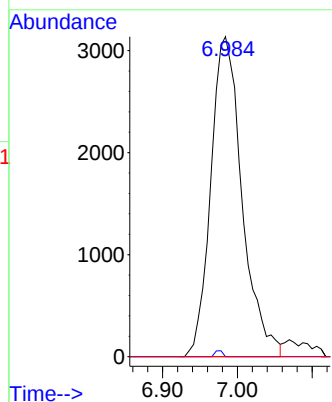
Tgt Ion: 43 Resp: 9136

Ion Ratio Lower Upper

43 100

61 0.5 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.299 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY011341.D

Acq: 07 Nov 2022 17:33

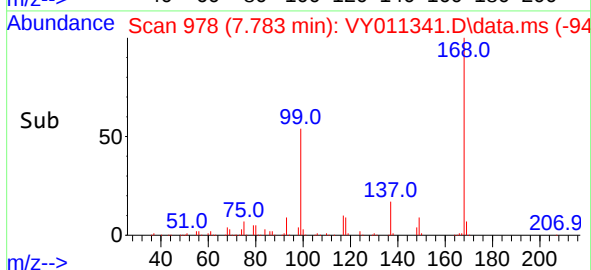
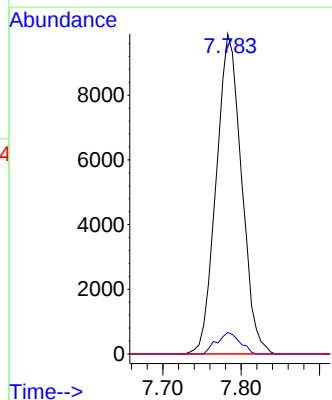
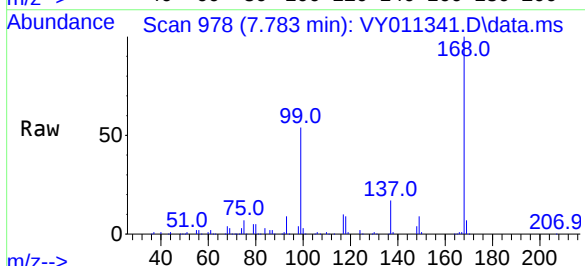
Tgt Ion: 117 Resp: 22251

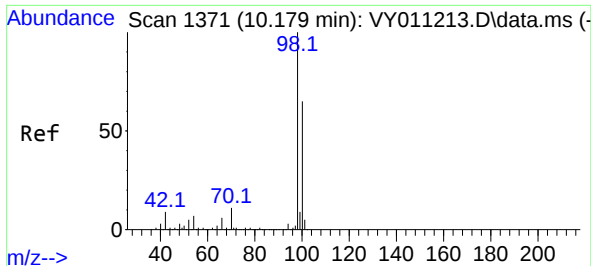
Ion Ratio Lower Upper

117 100

119 6.7 77.9 116.9#

121 0.0 24.8 37.2#

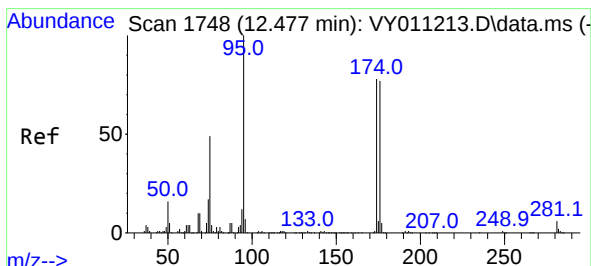
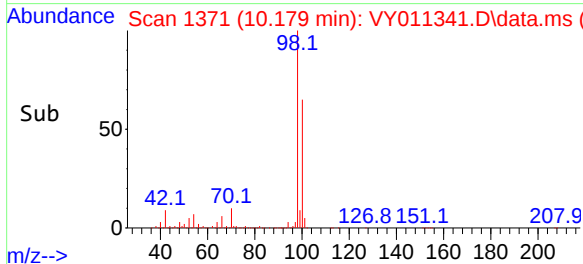
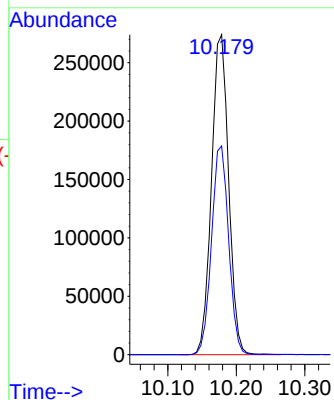
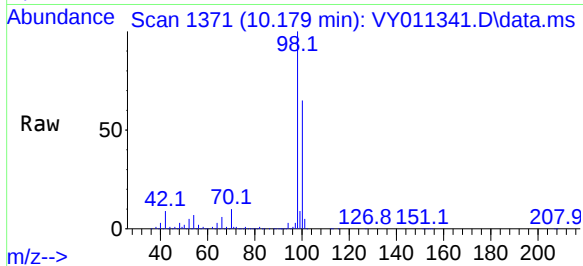




#50
Toluene-d8
Concen: 49.486 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

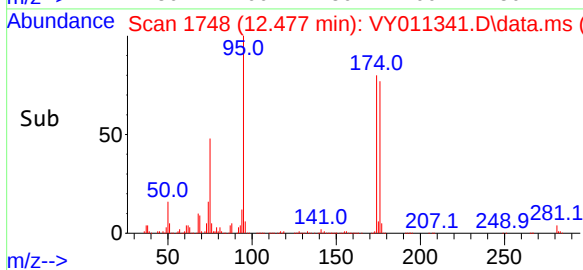
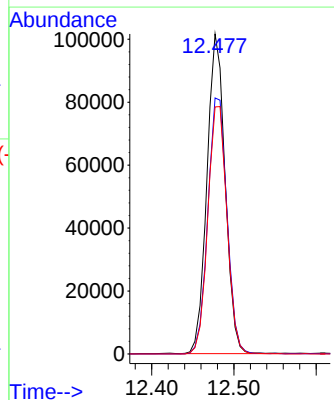
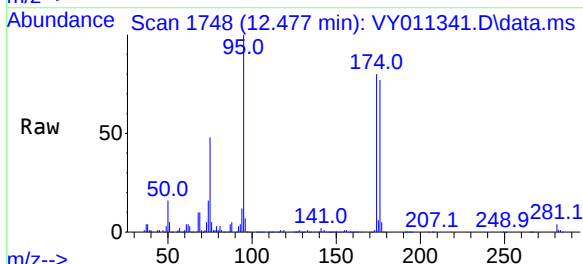
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SB-16-20221028-10.5-11.5

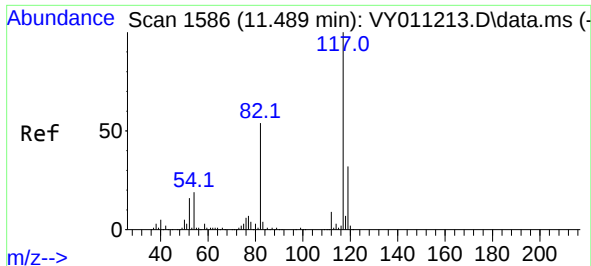
Tgt Ion: 98 Resp: 476223
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.600 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion: 95 Resp: 155682
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 81.8 0.0 175.8

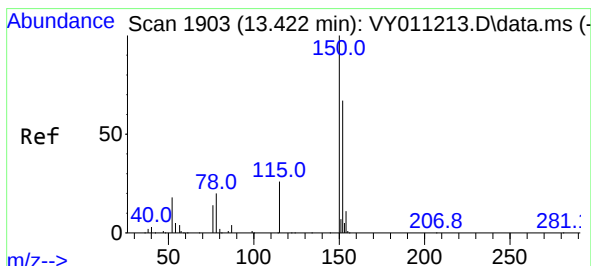
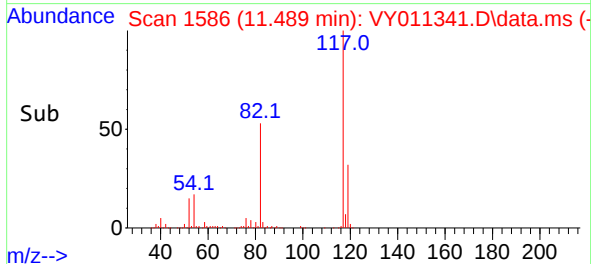
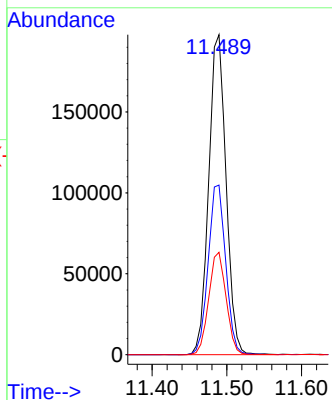
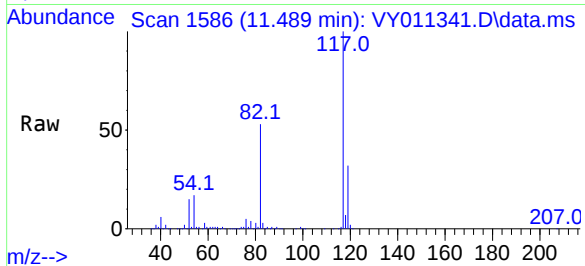




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

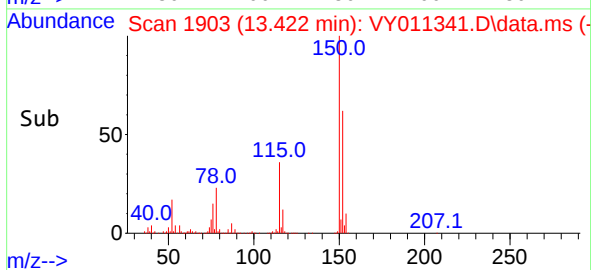
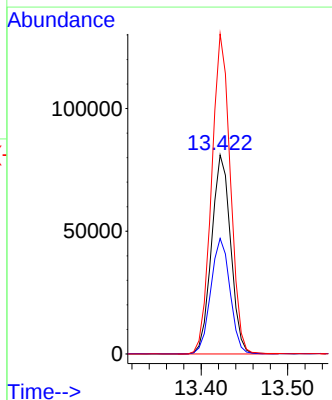
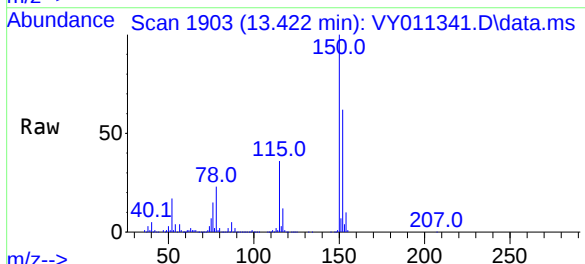
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5

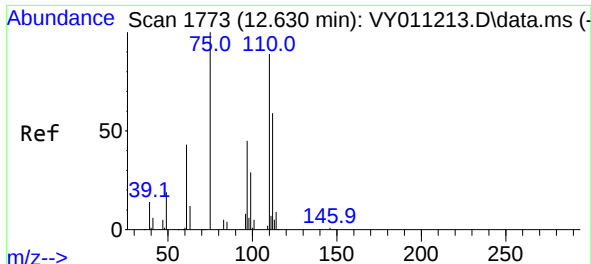
Tgt Ion:117 Resp: 318827
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion:152 Resp: 124415
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 158.0 0.0 347.6

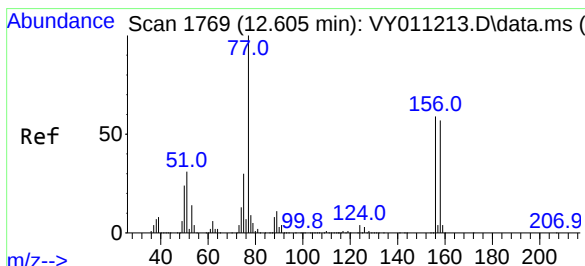
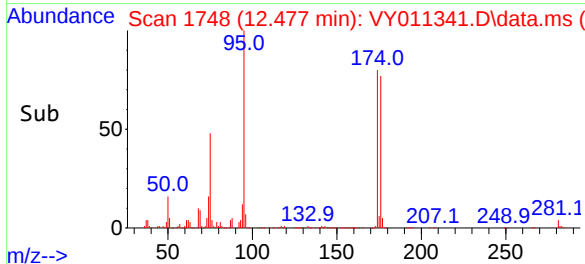
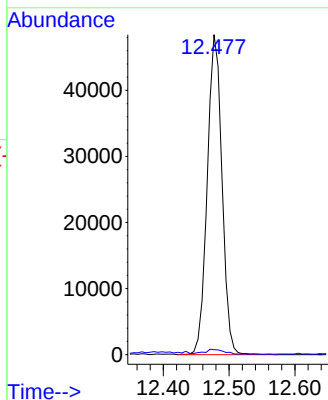
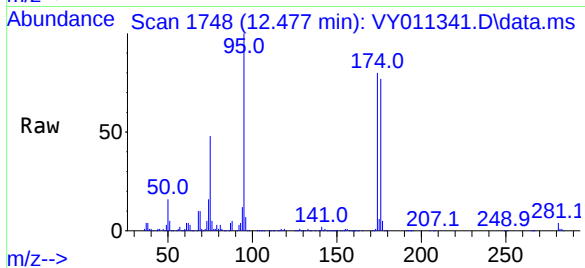




#76
1,2,3-Trichloropropane
Concen: 49.846 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

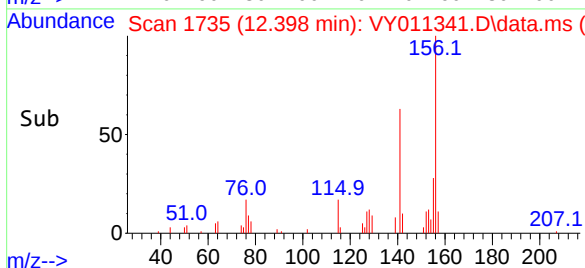
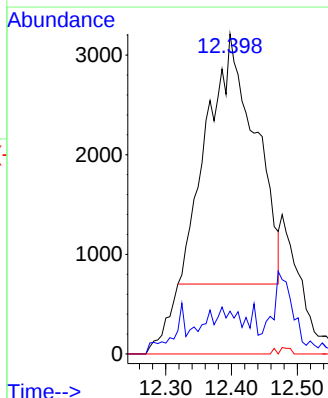
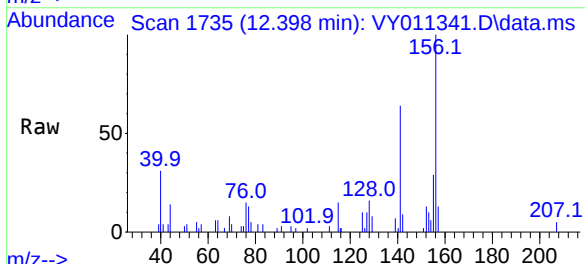
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-20221028-10.5-11.5

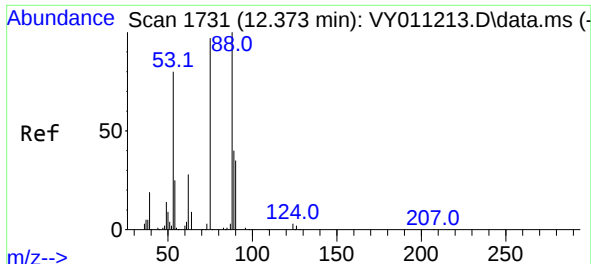
Tgt Ion: 75 Resp: 75499
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#77
Bromobenzene
Concen: 5.820 ug/l
RT: 12.398 min Scan# 1735
Delta R.T. -0.207 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion:156 Resp: 12735
Ion Ratio Lower Upper
156 100
77 2.2 95.5 286.4#
158 0.0 48.0 144.0#

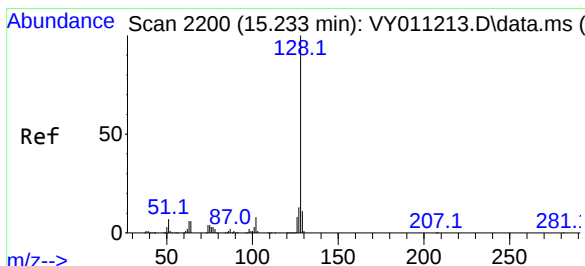
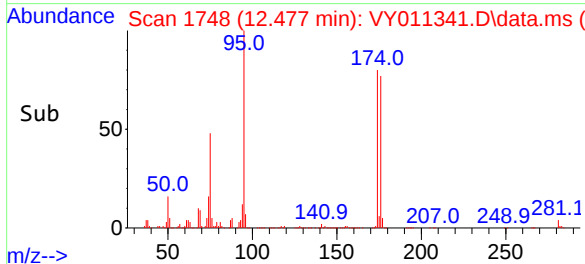
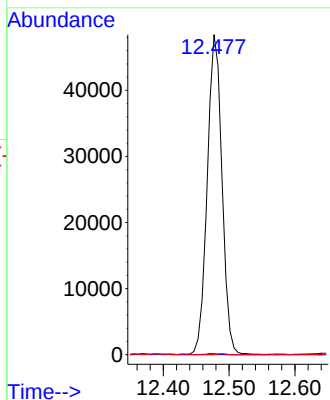
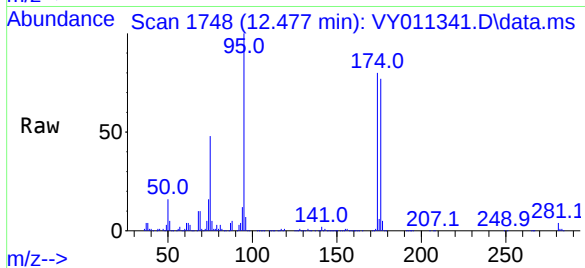




#81
trans-1,4-Dichloro-2-butene
Concen: 106.677 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

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

Tgt Ion: 75 Resp: 75499
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 11.047 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011341.D
Acq: 07 Nov 2022 17:33

Tgt Ion:128 Resp: 42582
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 11.2 8.4 12.6

