

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010516.D
 Acq On : 15 Sep 2022 17:13
 Operator : KP/MD
 Sample : N4597-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-5.5-6.0

Quant Time: Sep 16 02:56:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

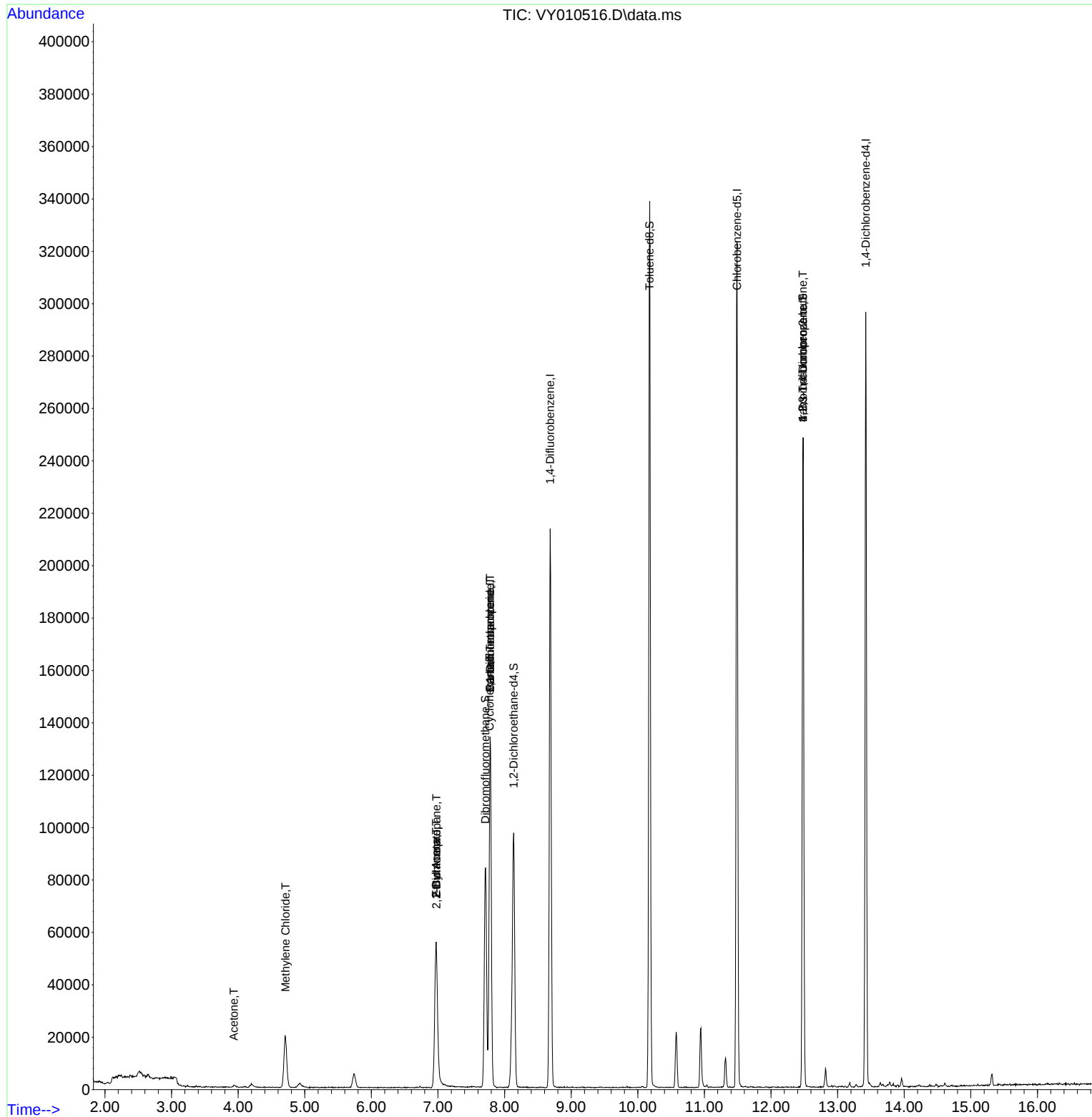
Internal Standards						
1) Pentafluorobenzene	7.783	168	107547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	184392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	76911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69825	64.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.920%	
35) Dibromofluoromethane	7.710	113	61502	46.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.920%	
50) Toluene-d8	10.179	98	221959	52.297	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.600%	
62) 4-Bromofluorobenzene	12.477	95	74520	43.495	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	2252	Below Cal	#	77
16) Acetone	3.936	43	1534	6.171	ug/l	96
20) Methylene Chloride	4.710	84	15221	6.695	ug/l #	82
25) 2-Butanone	6.972	43	2742	6.941	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	4510	2.341	ug/l #	55
31) Cyclohexane	7.777	56	2190	1.197	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8394	4.682	ug/l #	51
37) Ethyl Acetate	6.972	43	2742	2.909	ug/l #	1
38) Carbon Tetrachloride	7.783	117	10203	5.115	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	38064	44.842	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38064	99.566	ug/l #	7

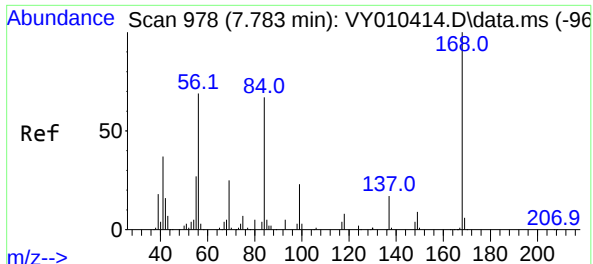
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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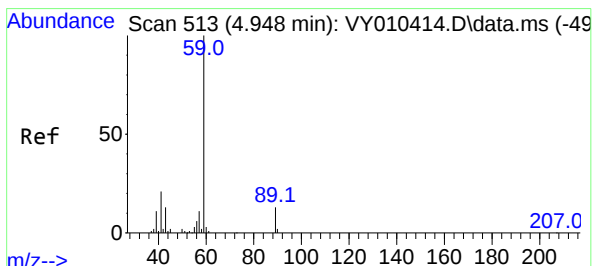
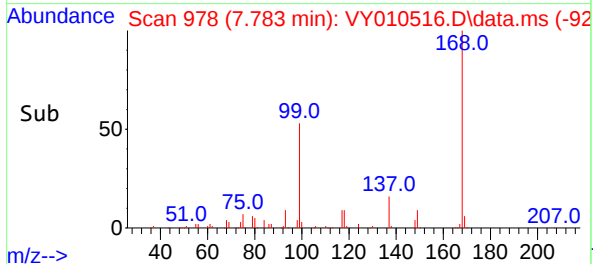
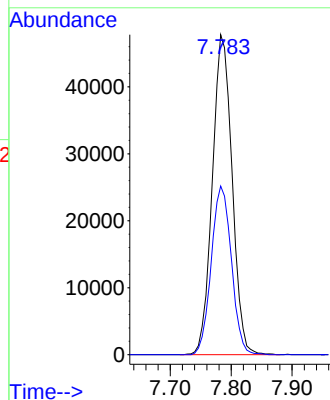
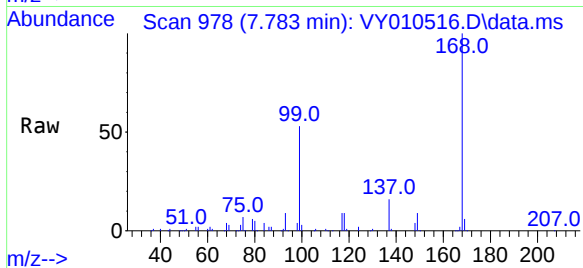




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

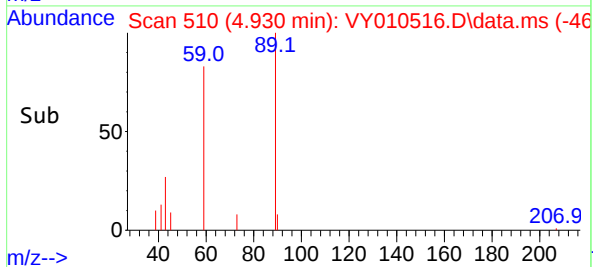
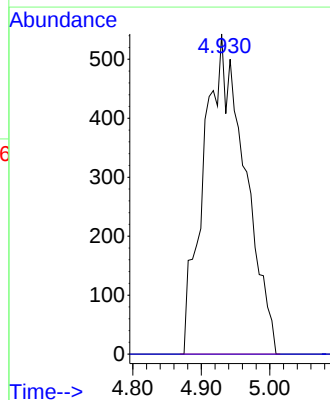
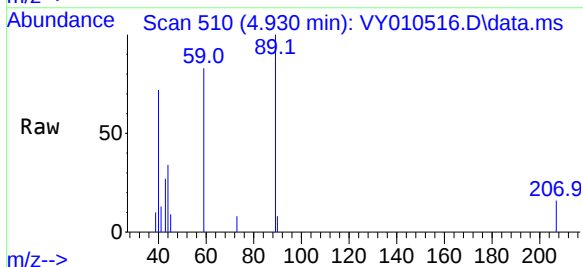
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.5-6.0

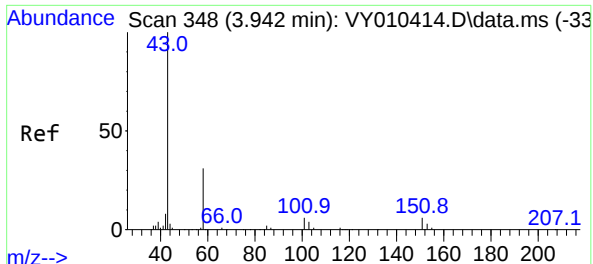
Tgt Ion:168 Resp: 107547
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 59 Resp: 2252
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

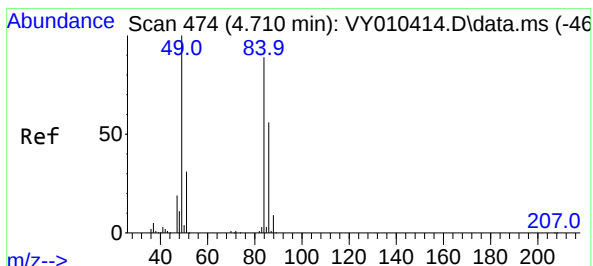
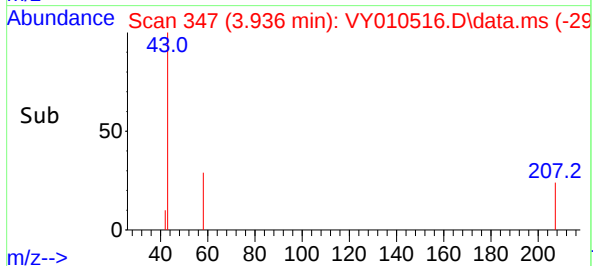
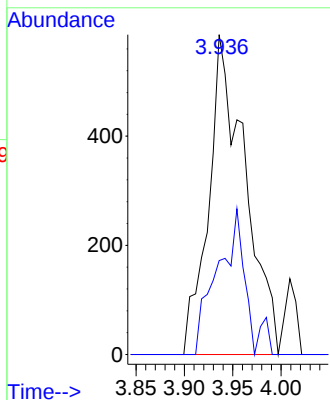
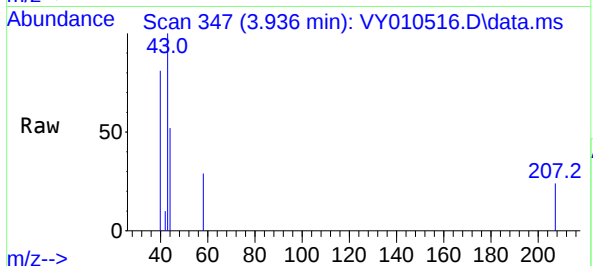




#16
Acetone
Concen: 6.171 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

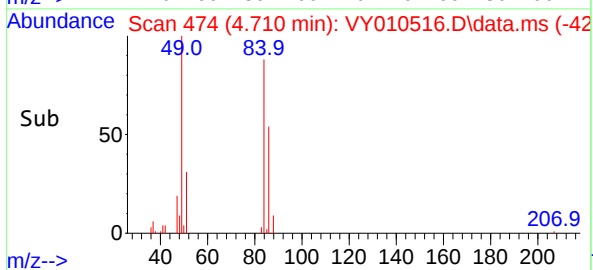
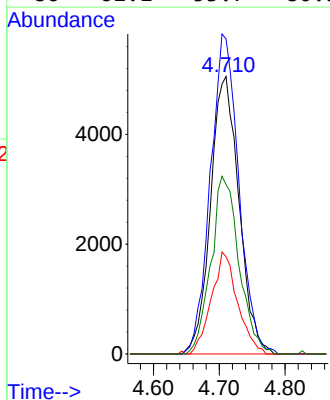
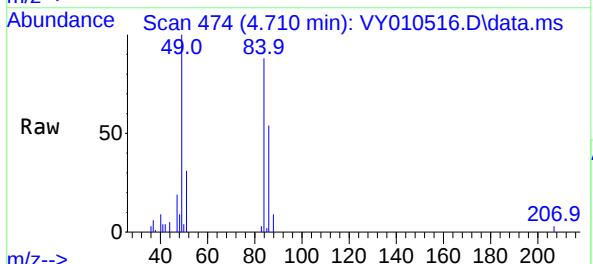
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.5-6.0

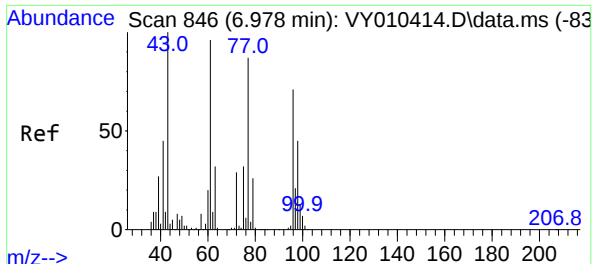
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 29.4 22.0 33.0



#20
Methylene Chloride
Concen: 6.695 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 84 Resp: 15221
Ion Ratio Lower Upper
84 100
49 113.6 114.4 171.6#
51 35.0 35.3 52.9#
86 61.1 53.7 80.5





#25

2-Butanone

Concen: 6.941 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010516.D

Acq: 15 Sep 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

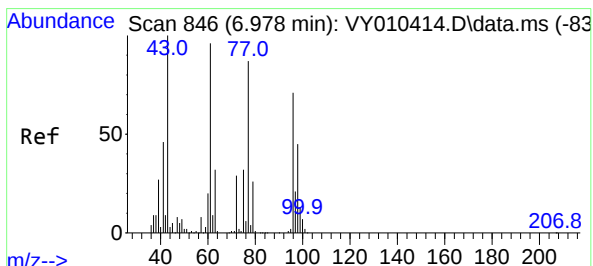
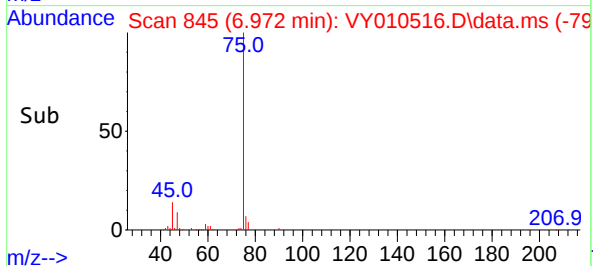
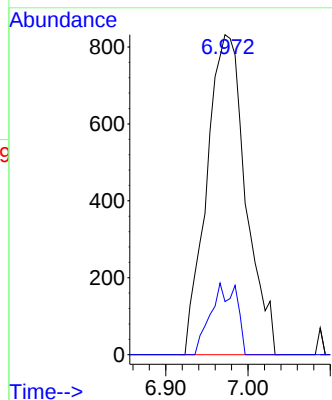
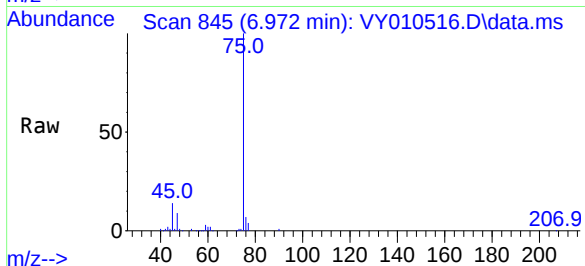
SB-02-5.5-6.0

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

72 16.6 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.341 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010516.D

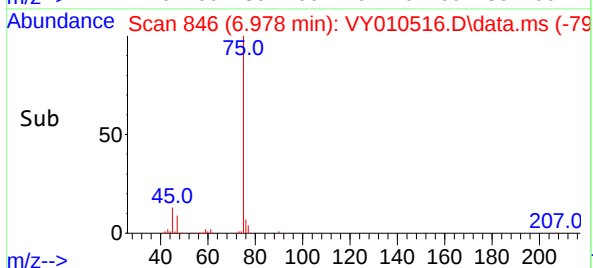
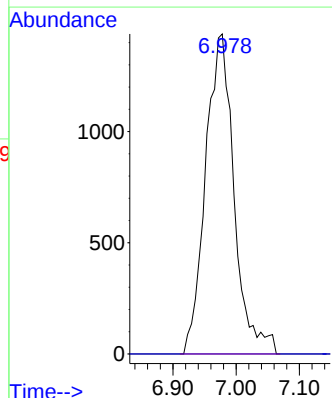
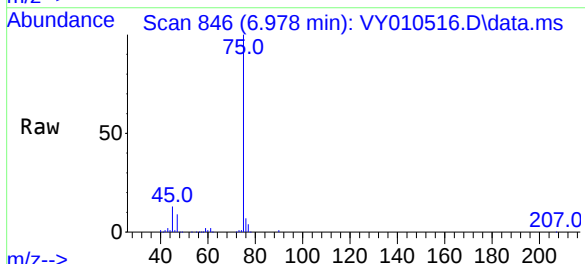
Acq: 15 Sep 2022 17:13

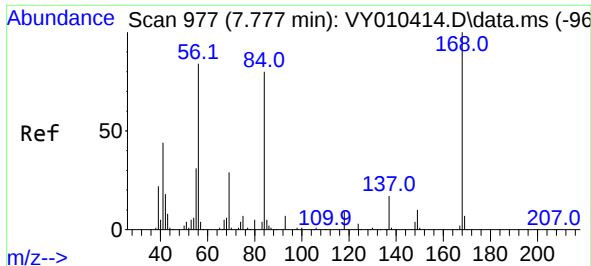
Tgt Ion: 77 Resp: 4510

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

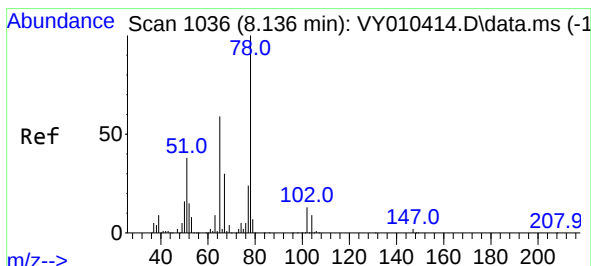
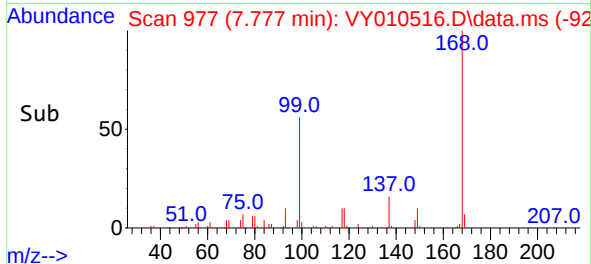
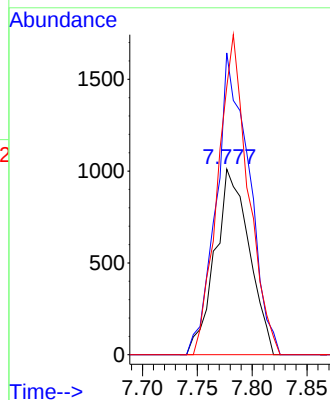
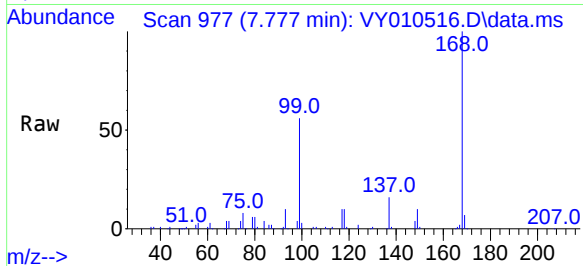




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

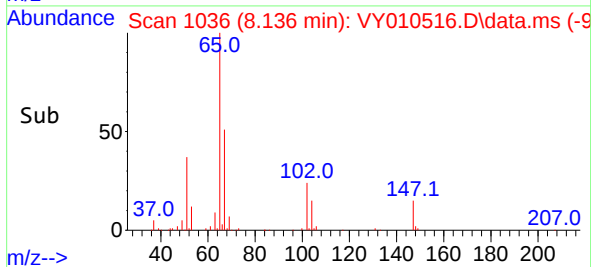
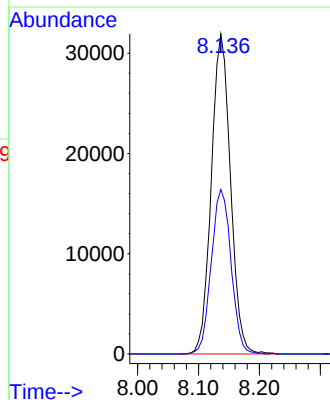
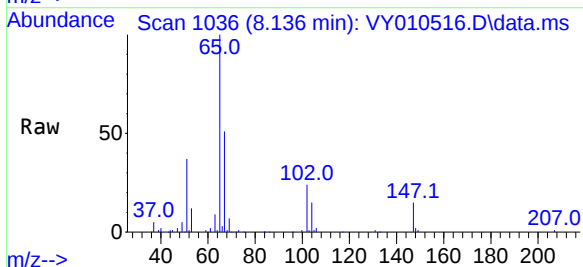
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.5-6.0

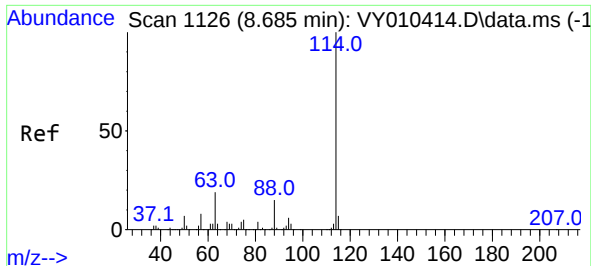
Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
69 162.6 26.7 40.1#
84 144.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.463 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 65 Resp: 69825
Ion Ratio Lower Upper
65 100
67 53.0 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: VY010516.D

Acq: 15 Sep 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

SB-02-5.5-6.0

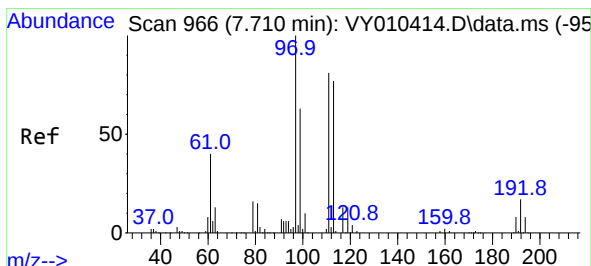
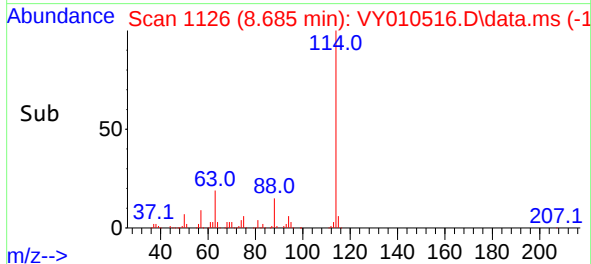
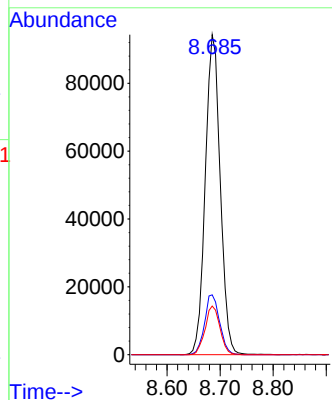
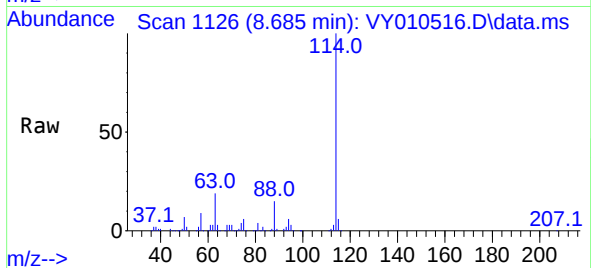
Tgt Ion:114 Resp: 184392

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.964 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010516.D

Acq: 15 Sep 2022 17:13

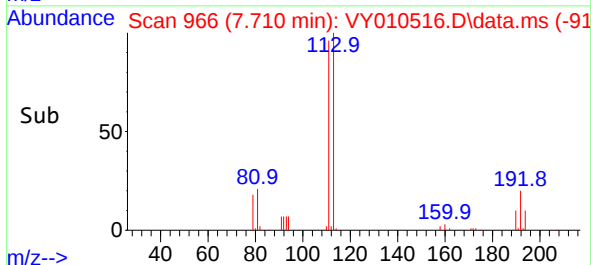
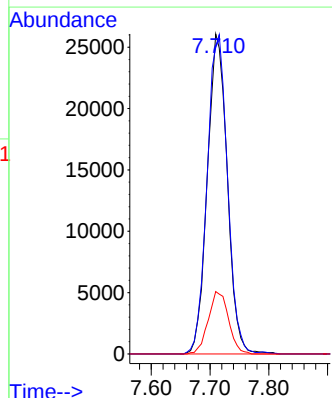
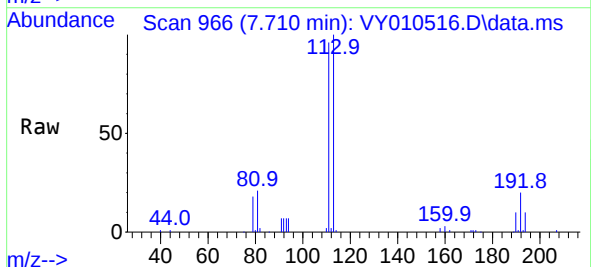
Tgt Ion:113 Resp: 61502

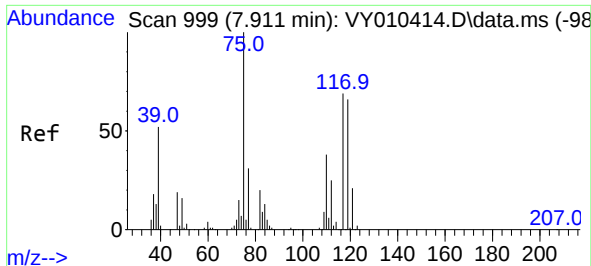
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.682 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010516.D

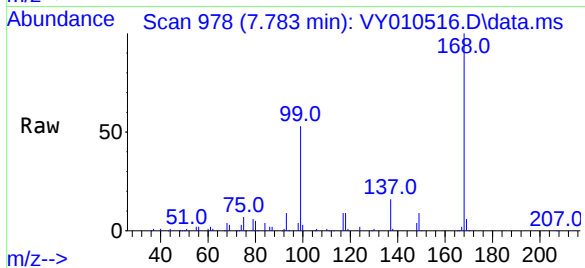
Acq: 15 Sep 2022 17:13

Instrument :

MSVOA_D

ClientSampleId :

SB-02-5.5-6.0



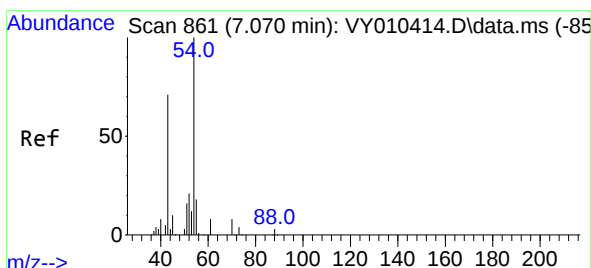
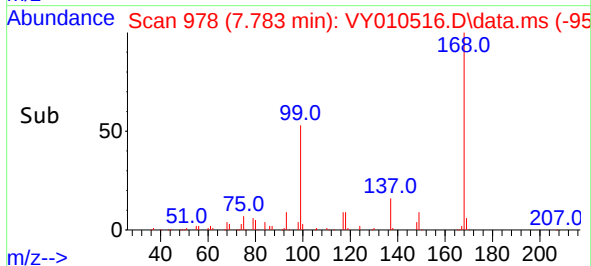
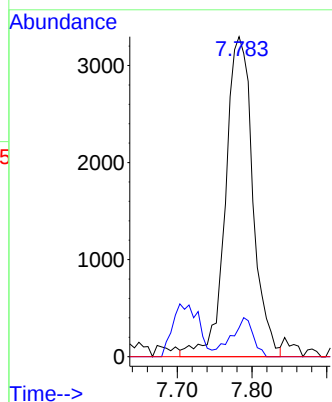
Tgt Ion: 75 Resp: 8394

Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.909 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010516.D

Acq: 15 Sep 2022 17:13

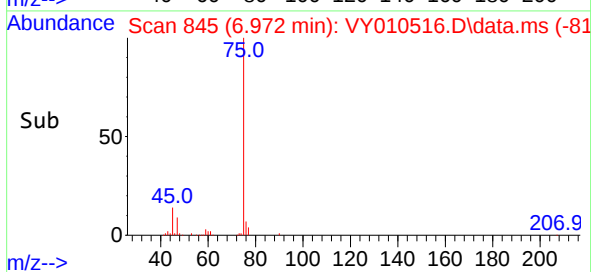
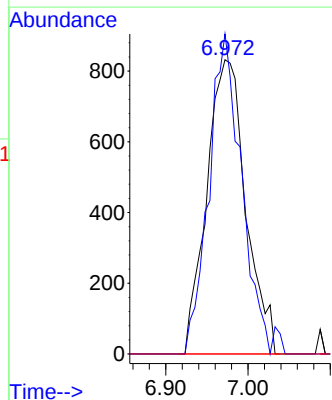
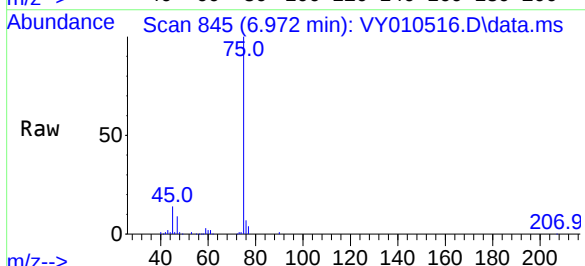
Tgt Ion: 43 Resp: 2742

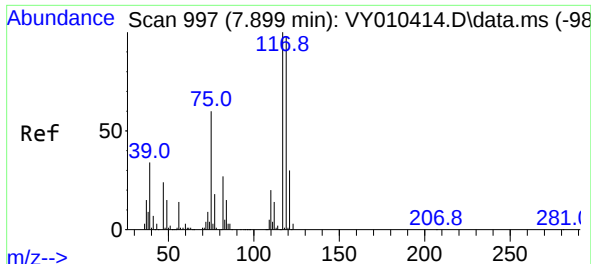
Ion Ratio Lower Upper

43 100

61 90.6 9.7 14.5#

70 0.0 7.1 10.7#

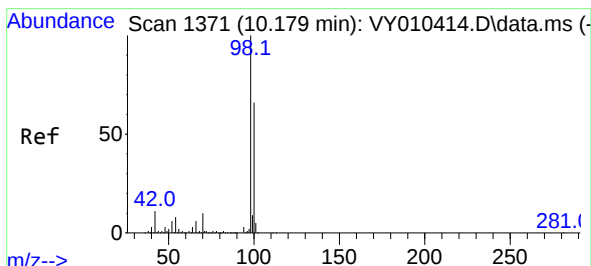
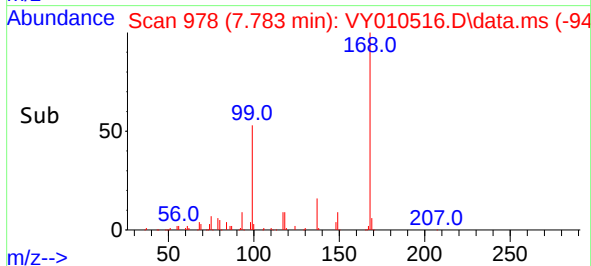
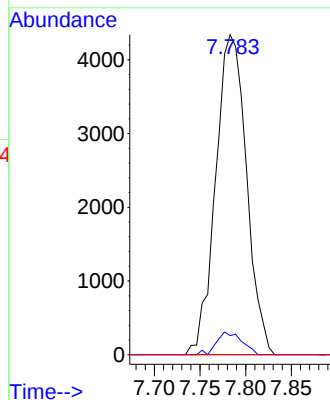
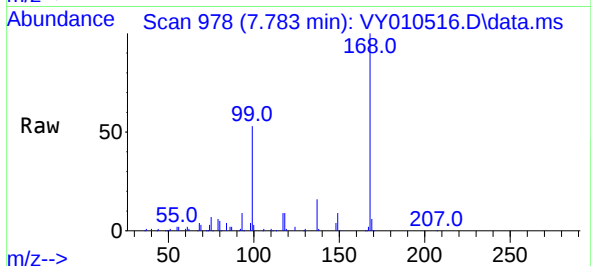




#38
Carbon Tetrachloride
Concen: 5.115 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

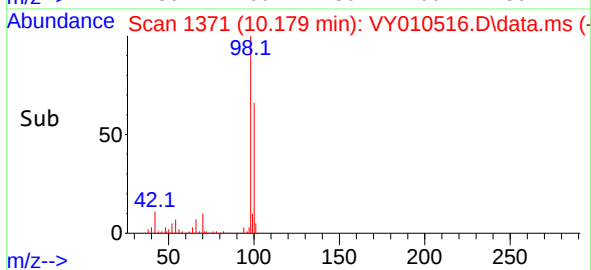
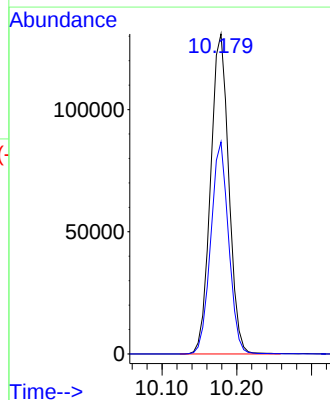
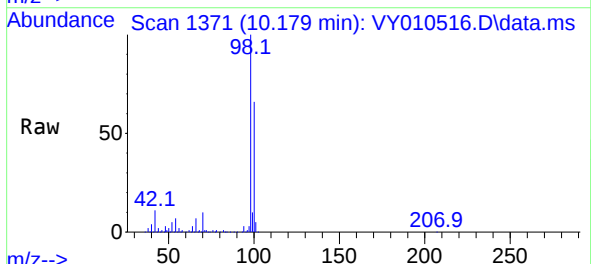
Instrument :
MSVOA_D
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SB-02-5.5-6.0

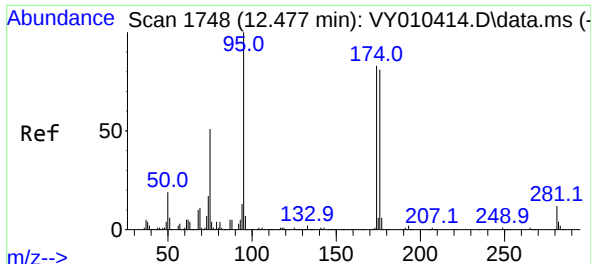
Tgt Ion:117 Resp: 10203
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.297 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 98 Resp: 221959
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

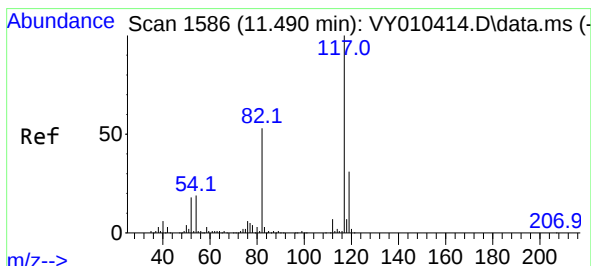
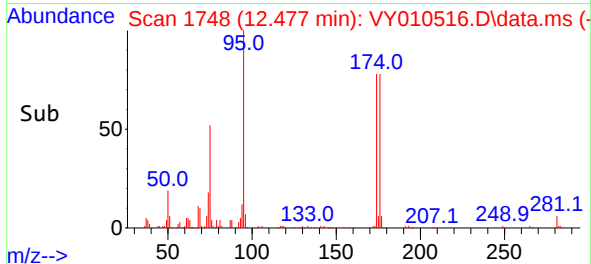
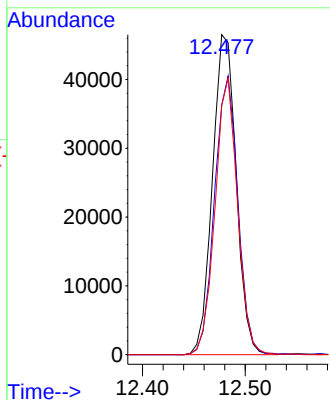
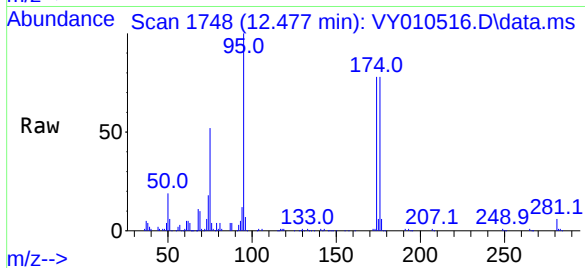




#62
4-Bromofluorobenzene
Concen: 43.495 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

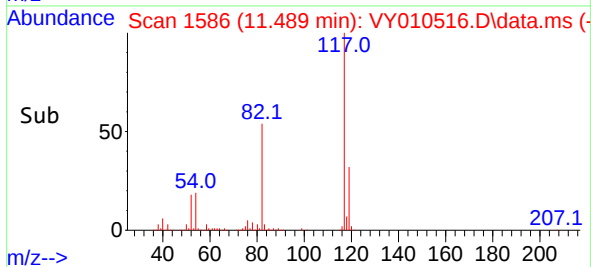
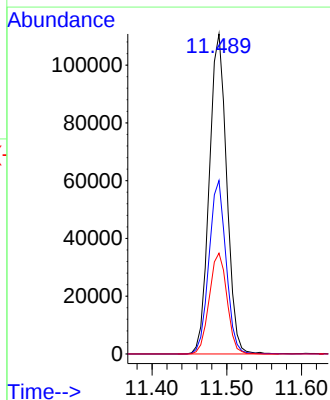
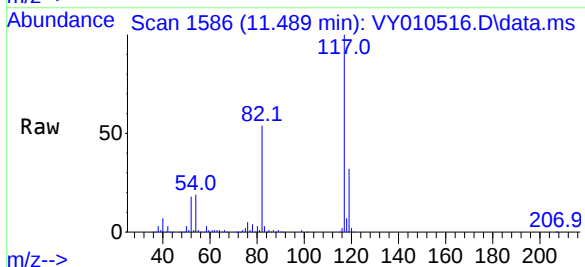
Instrument :
MSVOA_D
ClientSampleId :
SB-02-5.5-6.0

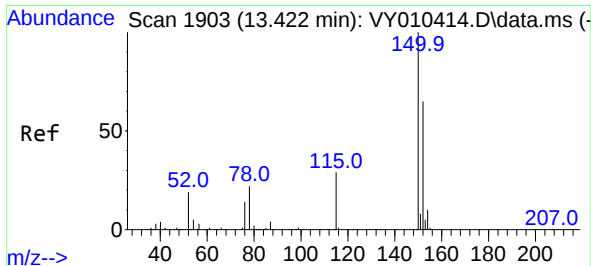
Tgt Ion: 95 Resp: 74520
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 81.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010516.D
Acq: 15 Sep 2022 17:13

Tgt Ion: 117 Resp: 179139
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 31.5 25.4 38.0

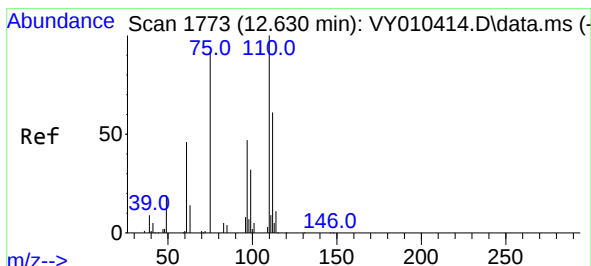
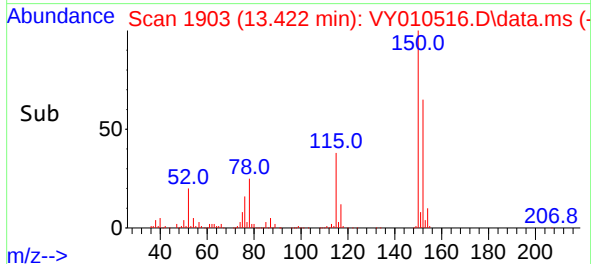
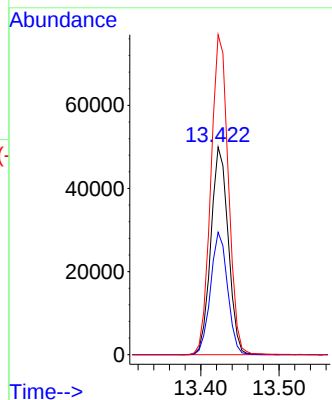
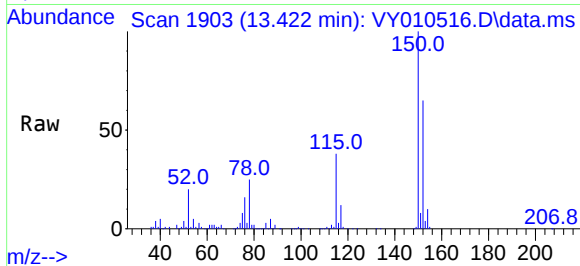




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010516.D
 Acq: 15 Sep 2022 17:13

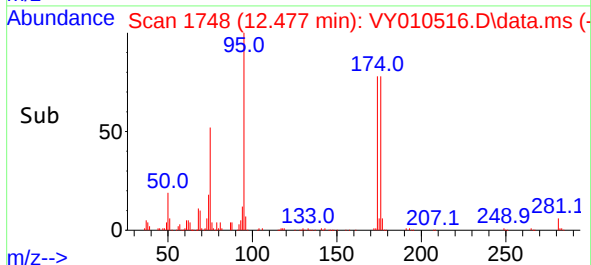
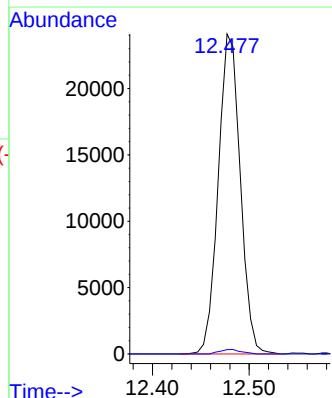
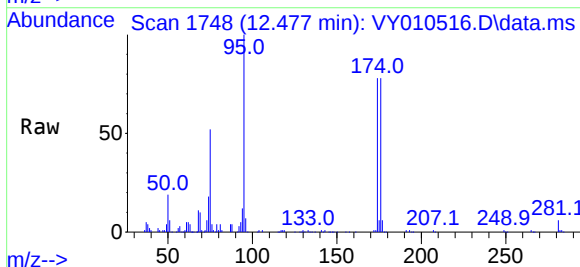
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-5.5-6.0

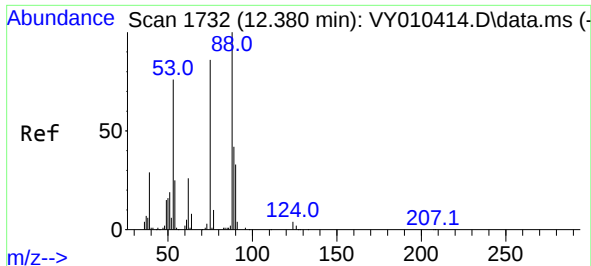
Tgt Ion:152 Resp: 76911
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.2 84.7
 150 155.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.842 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010516.D
 Acq: 15 Sep 2022 17:13

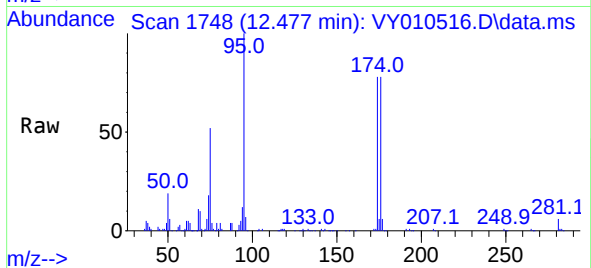
Tgt Ion: 75 Resp: 38064
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.566 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010516.D
 Acq: 15 Sep 2022 17:13

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-5.5-6.0



Tgt Ion: 75 Resp: 38064
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

