

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091522\
 Data File : VY010517.D
 Acq On : 15 Sep 2022 17:36
 Operator : KP/MD
 Sample : N4597-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-4.5-5.0

Quant Time: Sep 16 02:57:01 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)

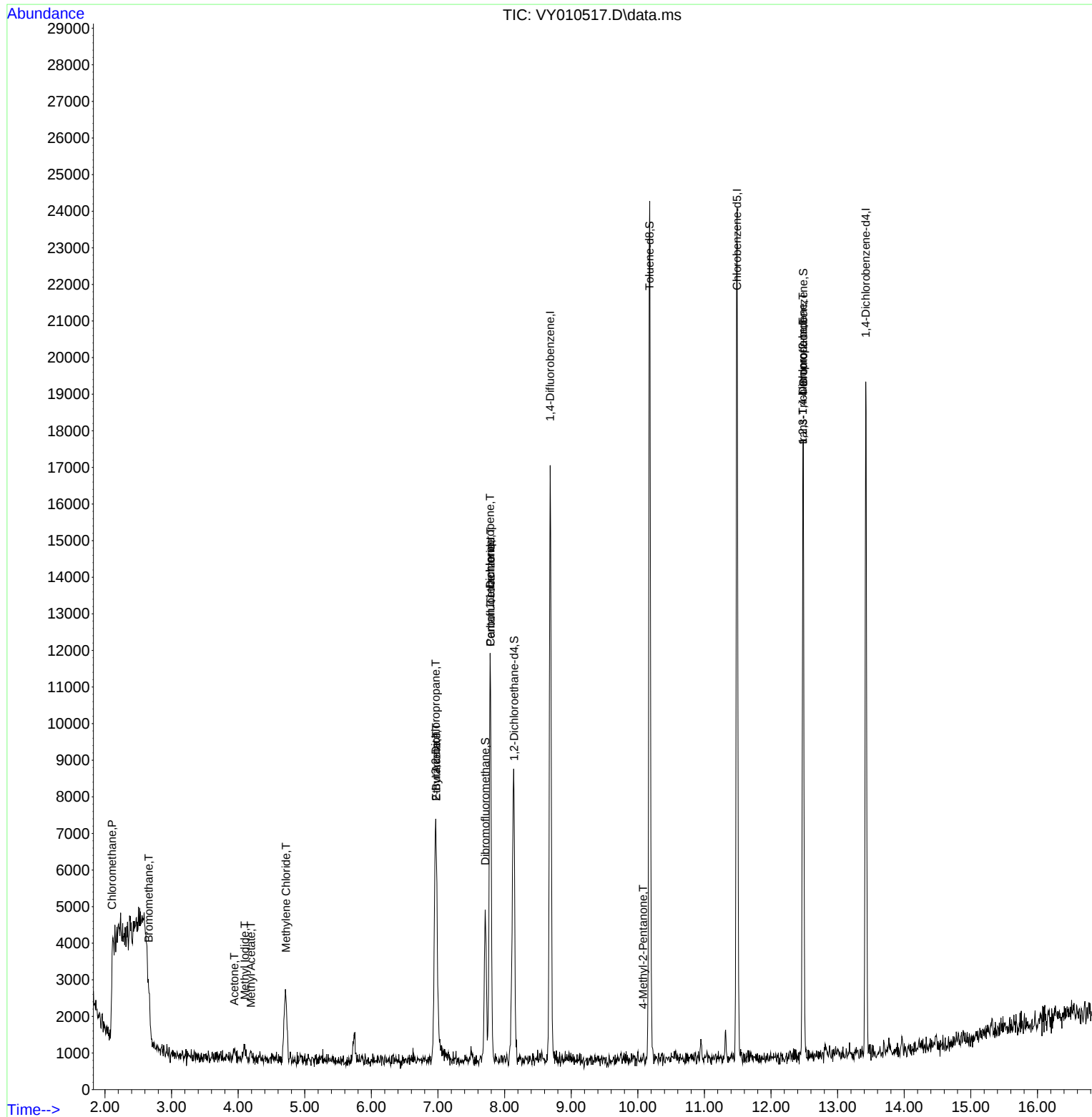
Internal Standards						
1) Pentafluorobenzene	7.789	168	8715	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	14508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	13416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	5898	67.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.400%			
35) Dibromofluoromethane	7.710	113	2703	26.233	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 52.460%#			
50) Toluene-d8	10.179	98	16406	49.129	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.483	95	5144	37.299	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 74.600%			
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	365	3.728	ug/l #	57
5) Bromomethane	2.656	94	402	4.750	ug/l	83
10) Methyl Iodide	4.101	142	745	6.720	ug/l #	50
11) Tert butyl alcohol	4.936	59	116	Below Cal	#	77
16) Acetone	3.942	43	563	27.950	ug/l #	47
18) Methyl Acetate	4.192	43	74	1.194	ug/l #	56
20) Methylene Chloride	4.716	84	1617	11.254	ug/l #	53
25) 2-Butanone	6.972	43	164	5.123	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	496	3.178	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	685	4.856	ug/l #	42
37) Ethyl Acetate	6.972	43	164	2.212	ug/l #	1
38) Carbon Tetrachloride	7.789	117	826	5.263	ug/l #	11
51) 4-Methyl-2-Pentanone	10.081	43	127	1.706	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	2691	49.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2691	110.507	ug/l #	7

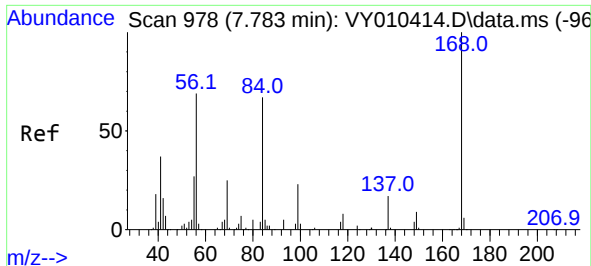
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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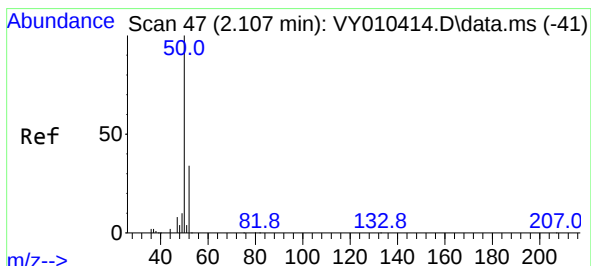
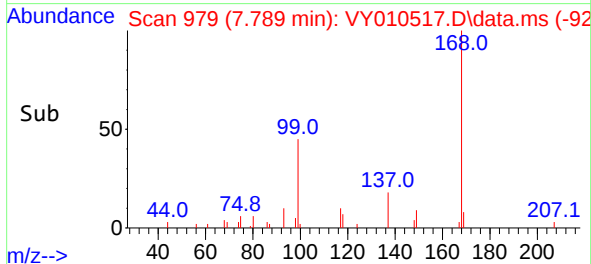
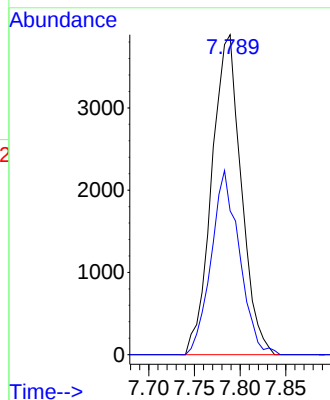
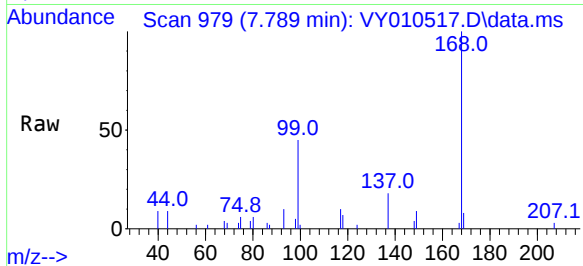




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

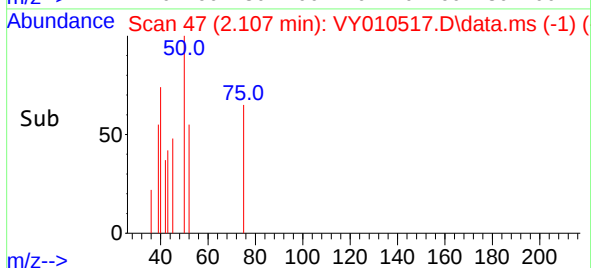
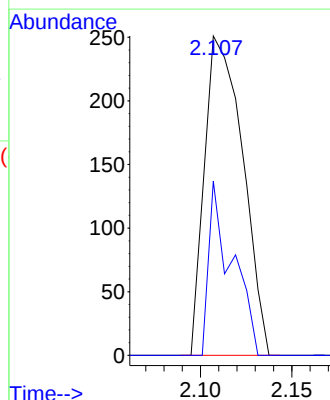
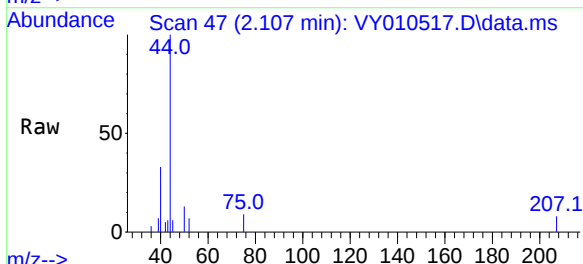
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

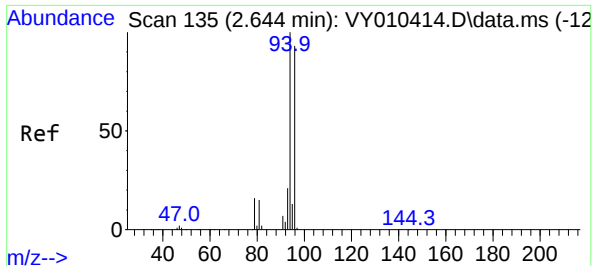
Tgt Ion:168 Resp: 8715
Ion Ratio Lower Upper
168 100
99 44.9 46.9 70.3#



#3
Chloromethane
Concen: 3.728 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 50 Resp: 365
Ion Ratio Lower Upper
50 100
52 54.6 24.6 37.0#

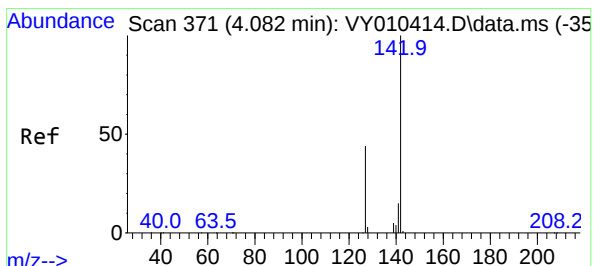
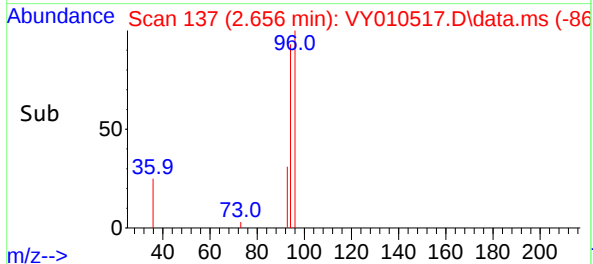
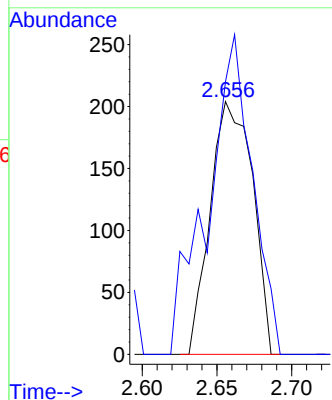
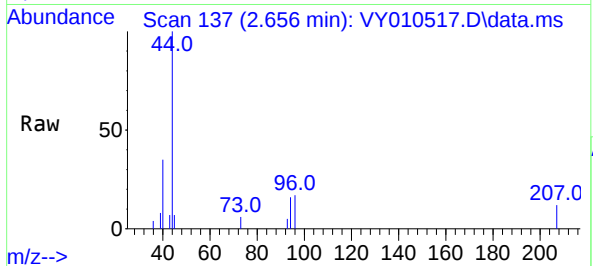




#5
Bromomethane
Concen: 4.750 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

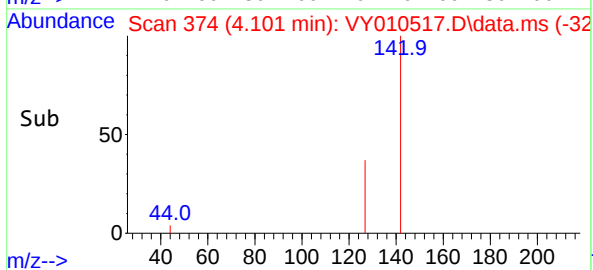
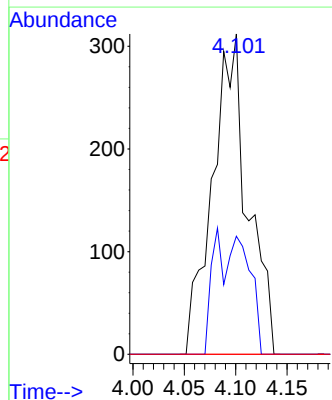
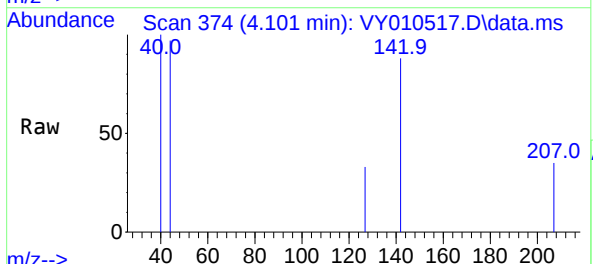
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

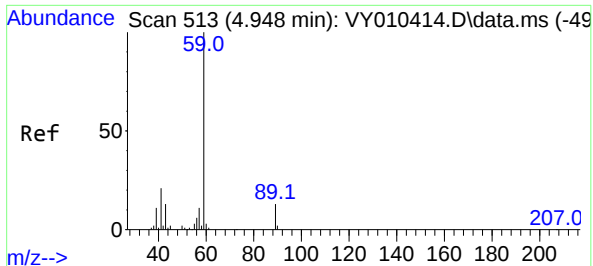
Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 107.8 73.5 110.3



#10
Methyl Iodide
Concen: 6.720 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 142 Resp: 745
Ion Ratio Lower Upper
142 100
127 13.7 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY010517.D

Acq: 15 Sep 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

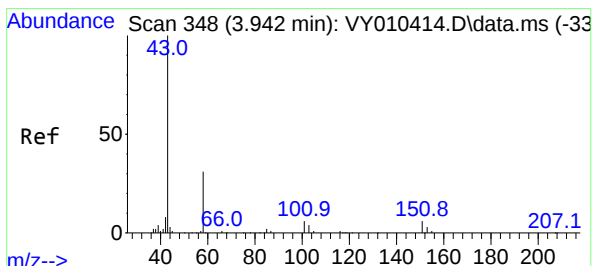
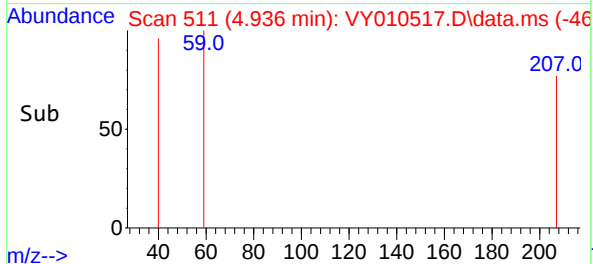
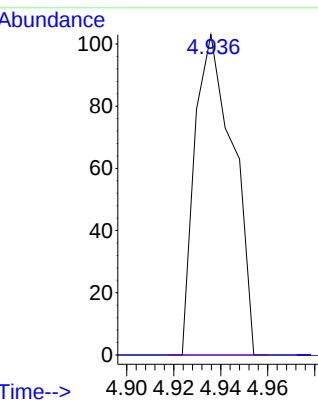
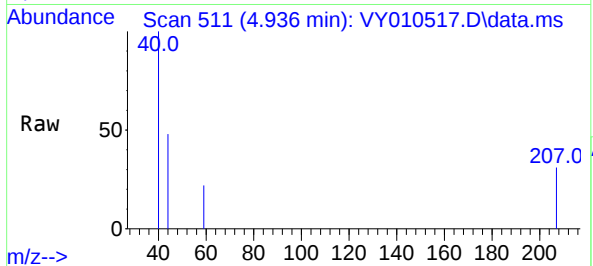
SB-03-4.5-5.0

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 27.950 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY010517.D

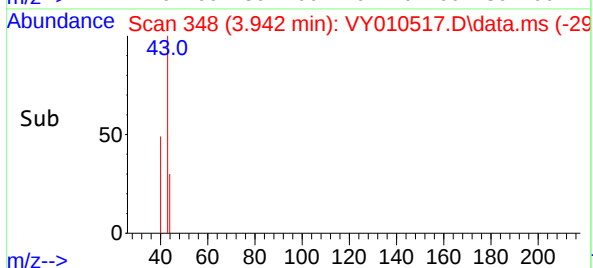
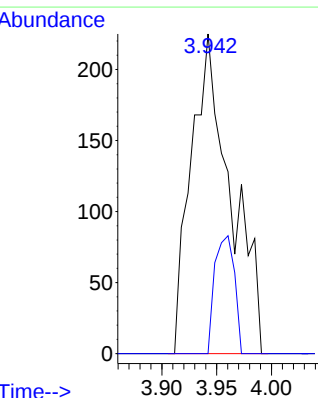
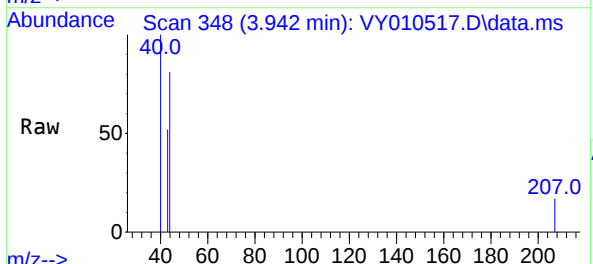
Acq: 15 Sep 2022 17:36

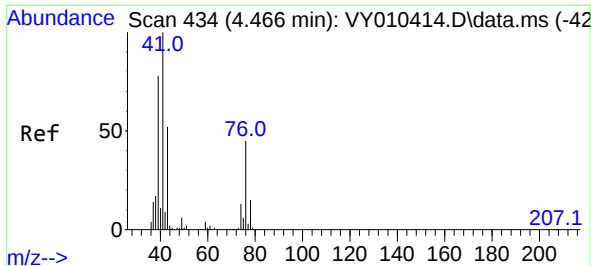
Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

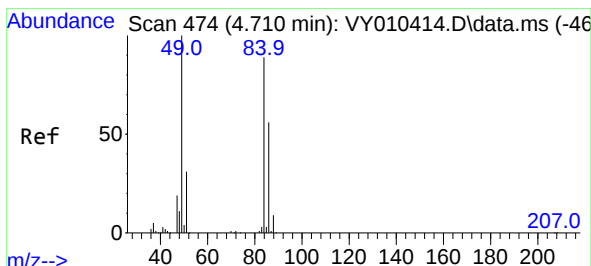
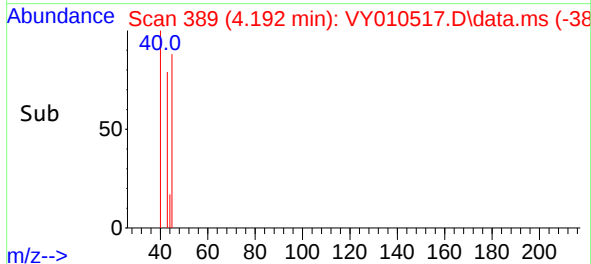
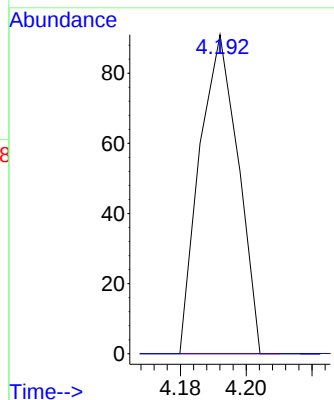
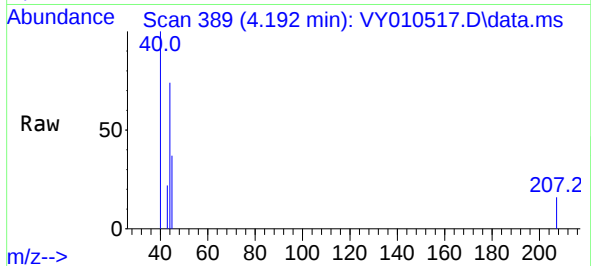




#18
Methyl Acetate
Concen: 1.194 ug/l
RT: 4.192 min Scan# 318
Delta R.T. -0.274 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

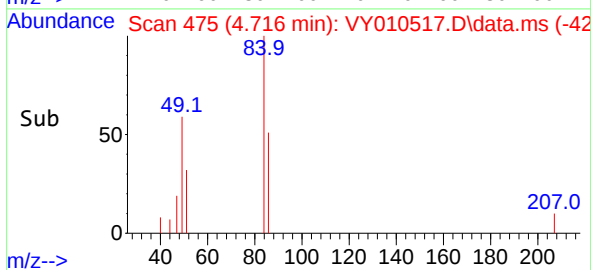
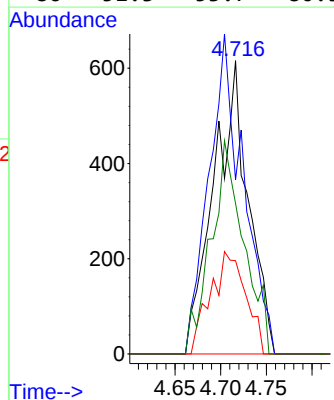
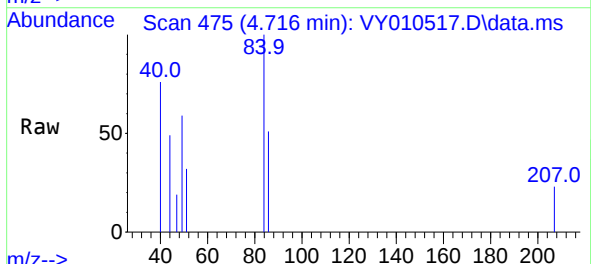
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

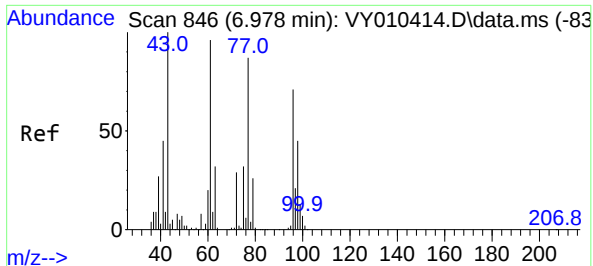
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 11.254 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 84 Resp: 1617
Ion Ratio Lower Upper
84 100
49 59.4 114.4 171.6#
51 31.8 35.3 52.9#
86 51.3 53.7 80.5#





#25

2-Butanone

Concen: 5.123 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010517.D

Acq: 15 Sep 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

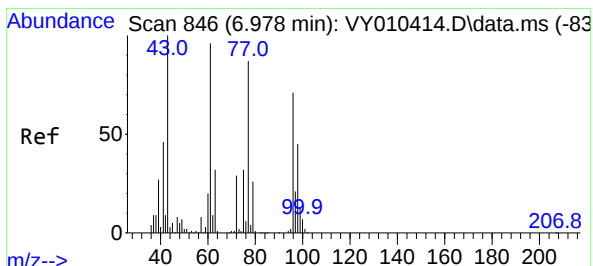
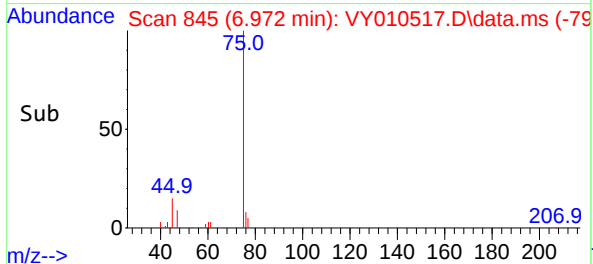
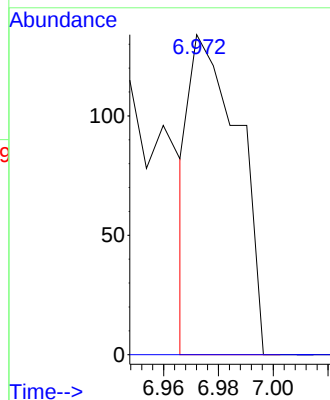
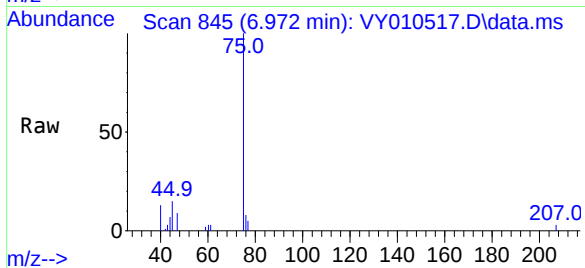
SB-03-4.5-5.0

Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 3.178 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010517.D

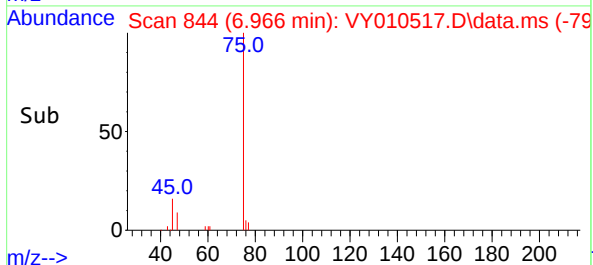
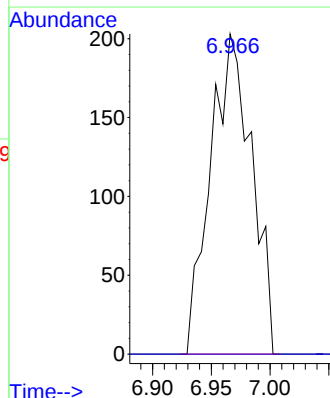
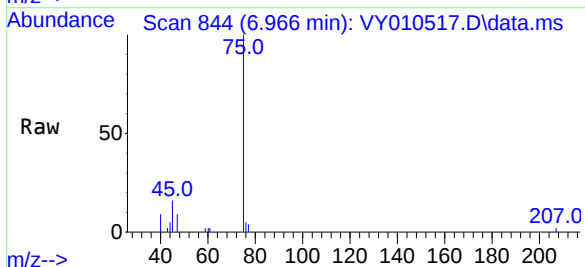
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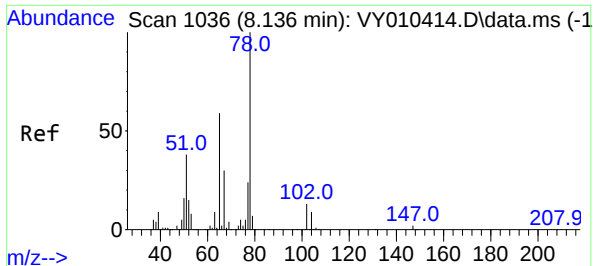
Tgt Ion: 77 Resp: 496

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 67.195 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY010517.D

Acq: 15 Sep 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

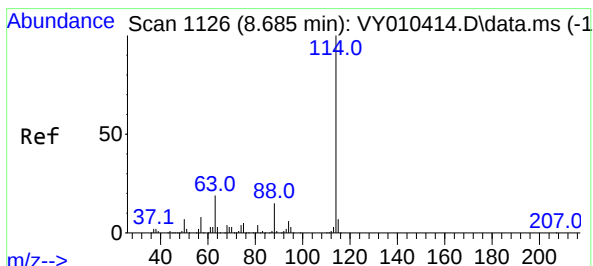
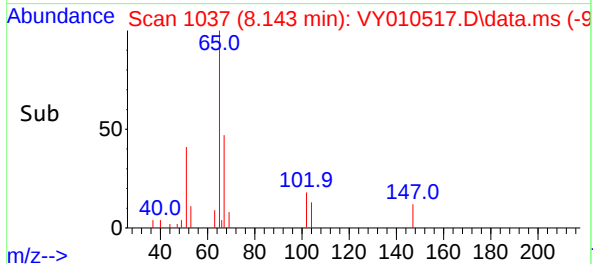
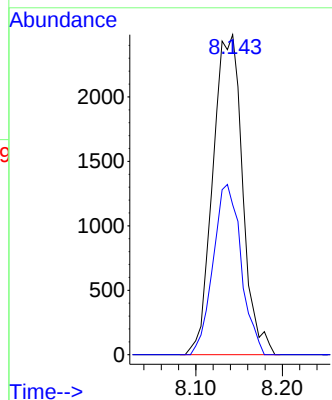
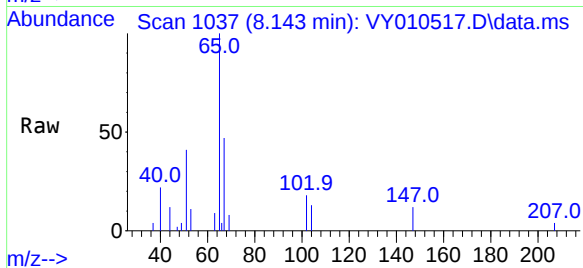
SB-03-4.5-5.0

Tgt Ion: 65 Resp: 5898

Ion Ratio Lower Upper

65 100

67 50.2 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: VY010517.D

Acq: 15 Sep 2022 17:36

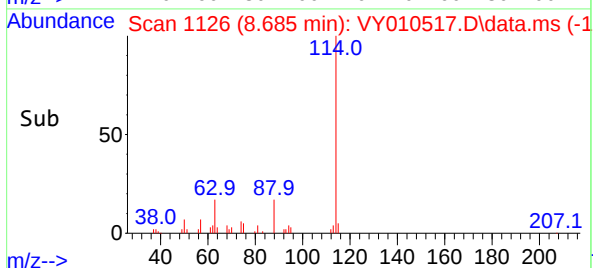
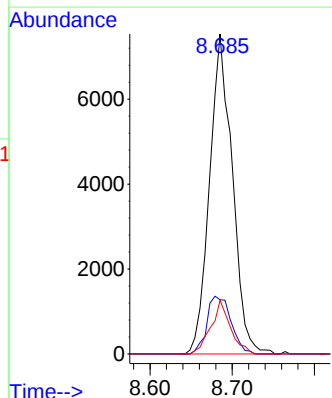
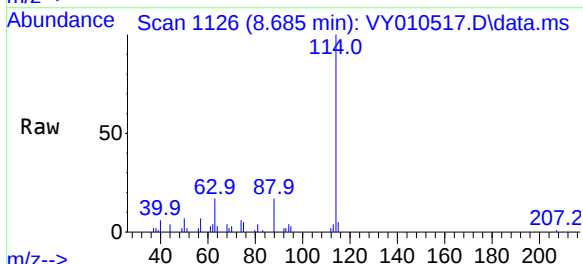
Tgt Ion: 114 Resp: 14508

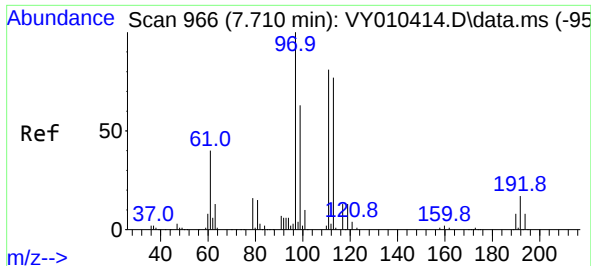
Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 16.7 0.0 31.8

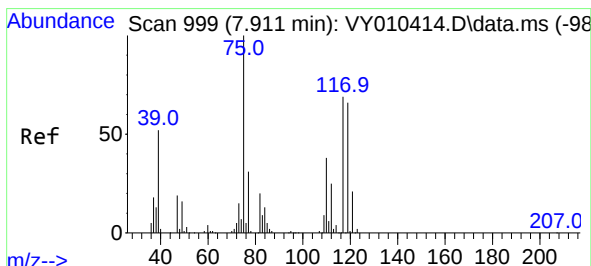
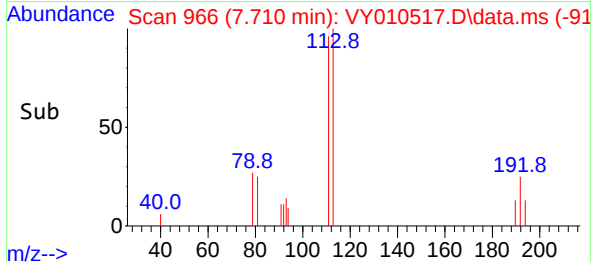
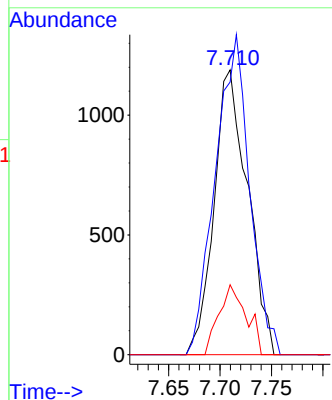
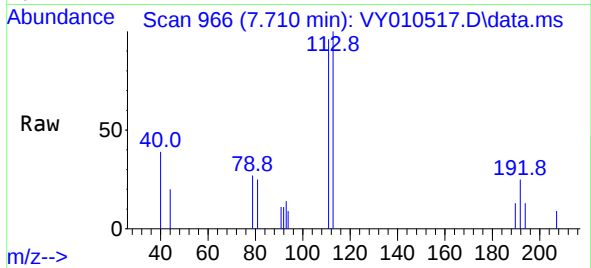




#35
Dibromofluoromethane
Concen: 26.233 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

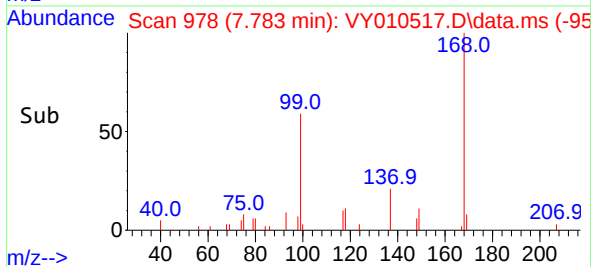
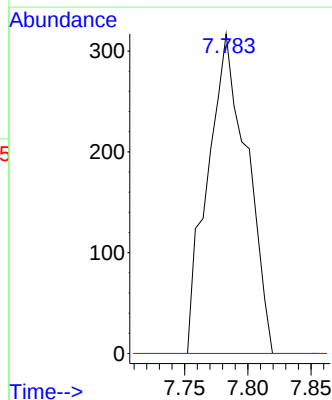
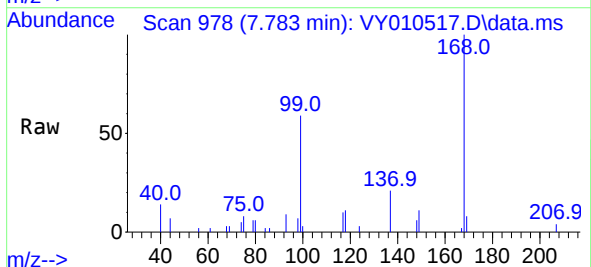
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

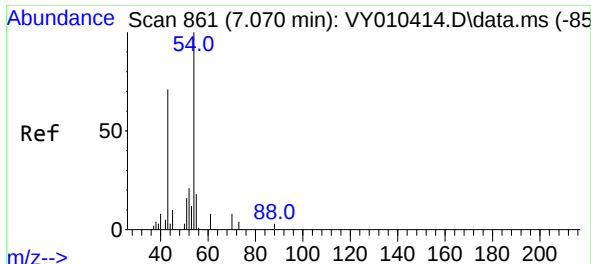
Tgt Ion:	113	Resp:	2703
Ion	Ratio	Lower	Upper
113	100		
111	114.5	82.6	124.0
192	20.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion:	75	Resp:	685
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

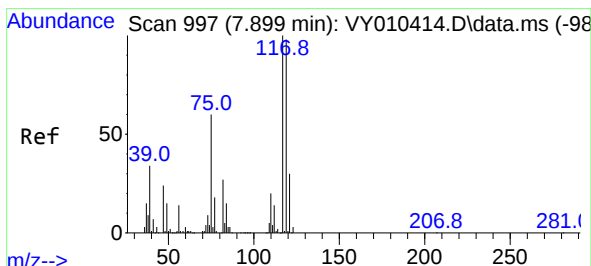
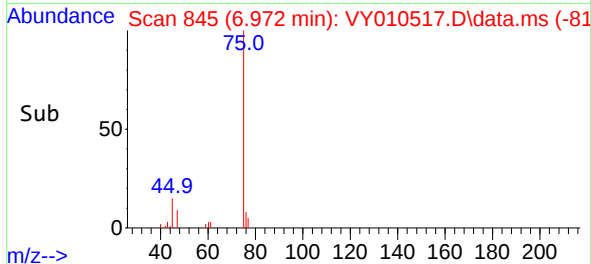
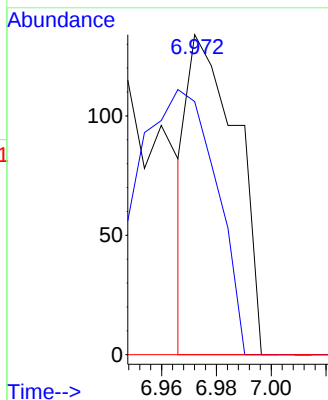
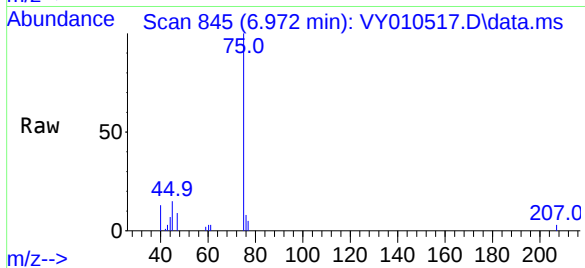




#37
Ethyl Acetate
Concen: 2.212 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

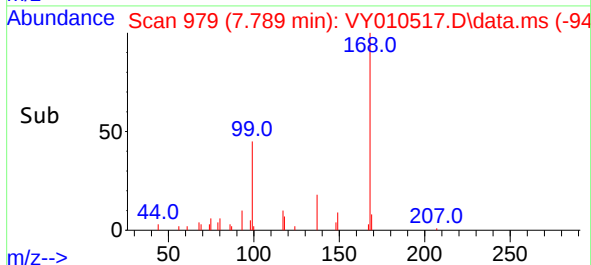
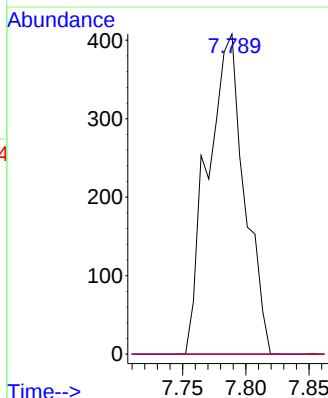
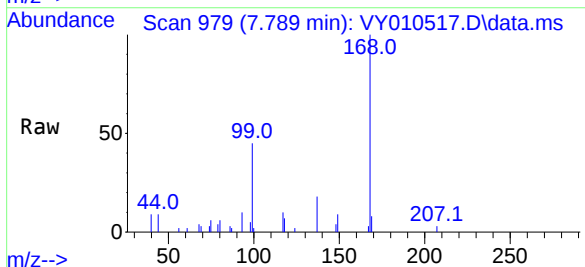
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

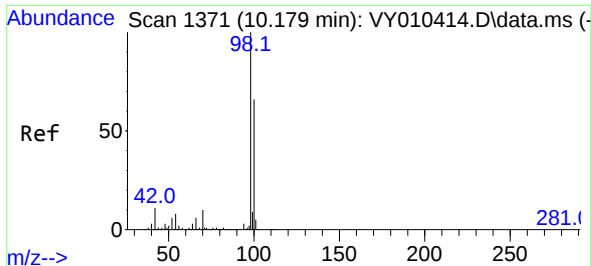
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
61 132.9 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.263 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 117 Resp: 826
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

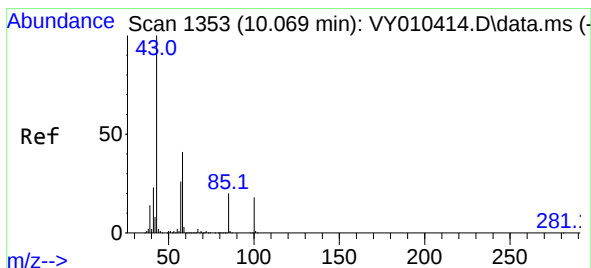
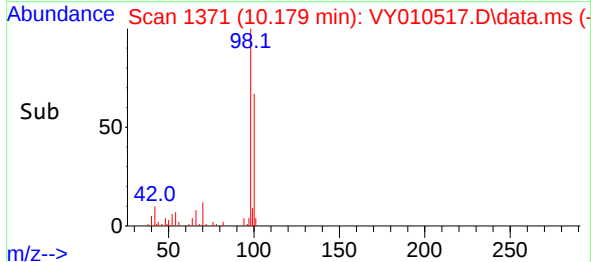
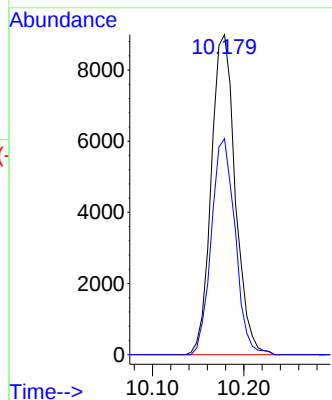
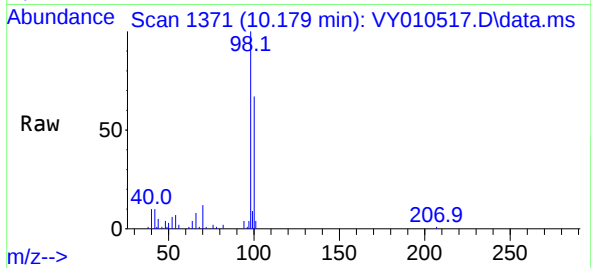




#50
Toluene-d8
Concen: 49.129 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

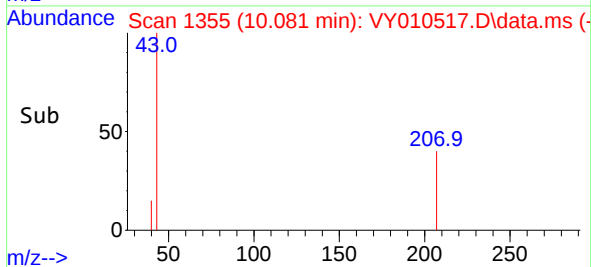
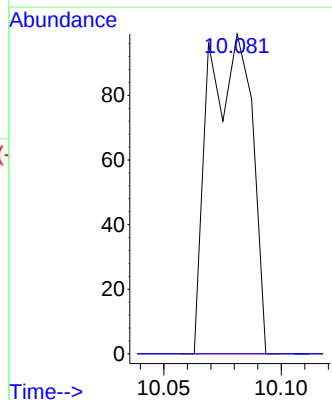
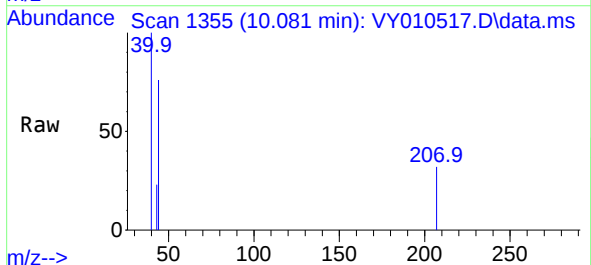
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

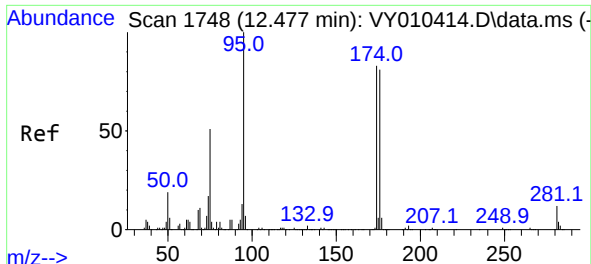
Tgt Ion: 98 Resp: 16406
Ion Ratio Lower Upper
98 100
100 66.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.706 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.012 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#

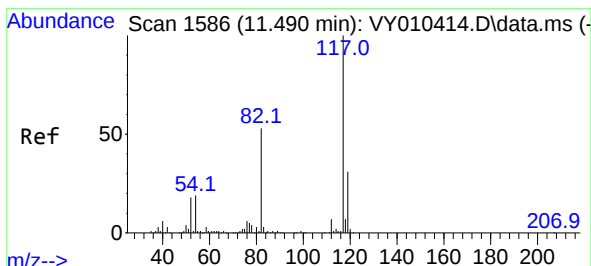
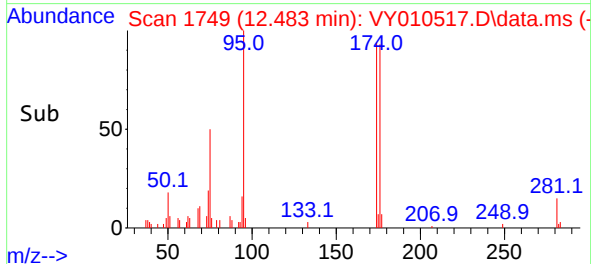
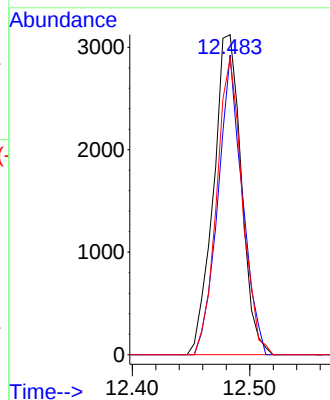
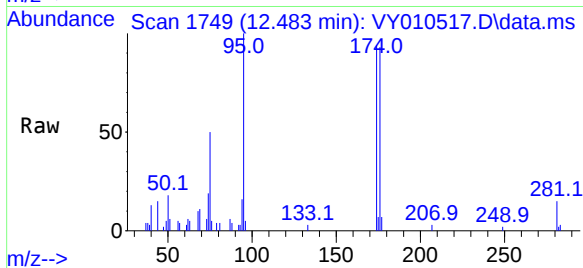




#62
4-Bromofluorobenzene
Concen: 37.299 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

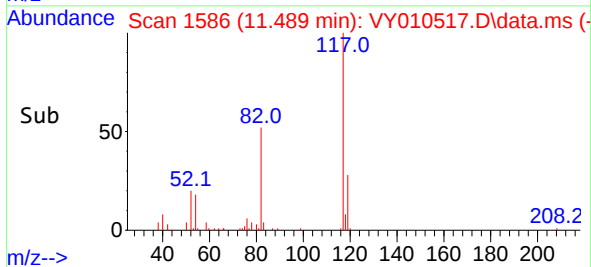
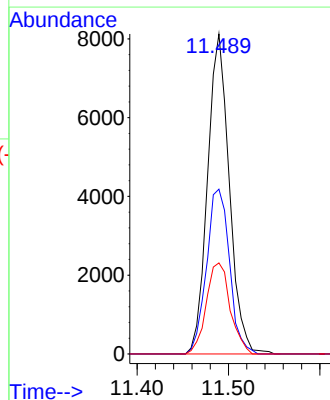
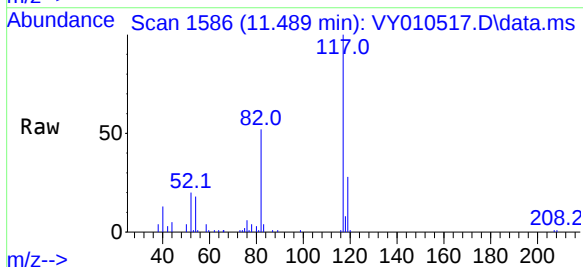
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

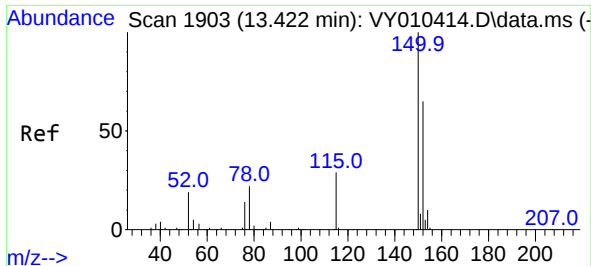
Tgt Ion:	95	Resp:	5144
Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	177.0
176	85.3	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion:	117	Resp:	13416
Ion	Ratio	Lower	Upper
117	100		
82	51.5	43.0	64.4
119	28.5	25.4	38.0

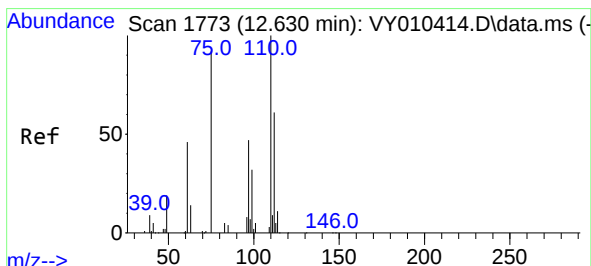
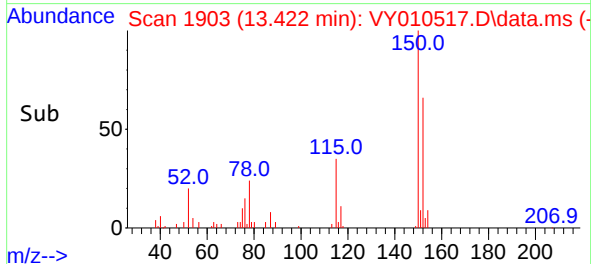
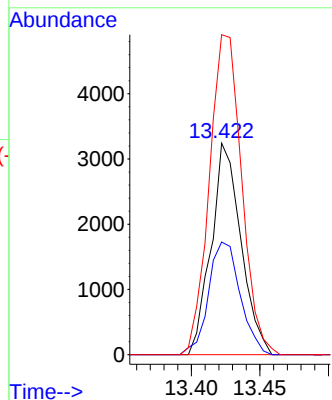
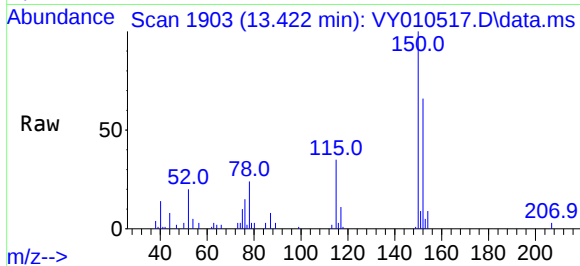




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

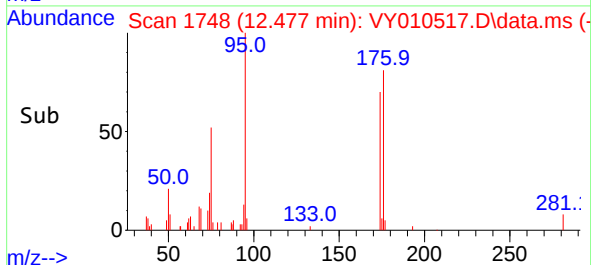
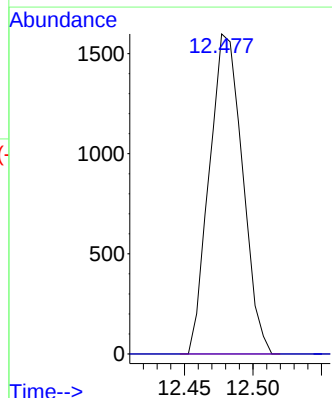
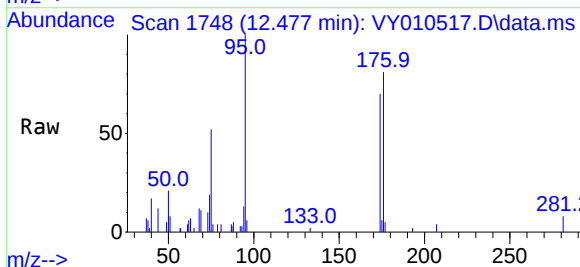
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.5-5.0

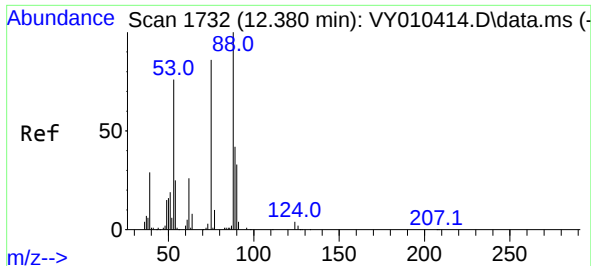
Tgt Ion:152 Resp: 4899
Ion Ratio Lower Upper
152 100
115 56.6 28.2 84.7
150 164.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 49.770 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010517.D
Acq: 15 Sep 2022 17:36

Tgt Ion: 75 Resp: 2691
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.507 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010517.D
 Acq: 15 Sep 2022 17:36

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-4.5-5.0

Tgt Ion: 75 Resp: 2691
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

