

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010624.D
 Acq On : 22 Sep 2022 15:52
 Operator : KP/MD
 Sample : N4723-11
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0

Quant Time: Sep 23 09:03:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

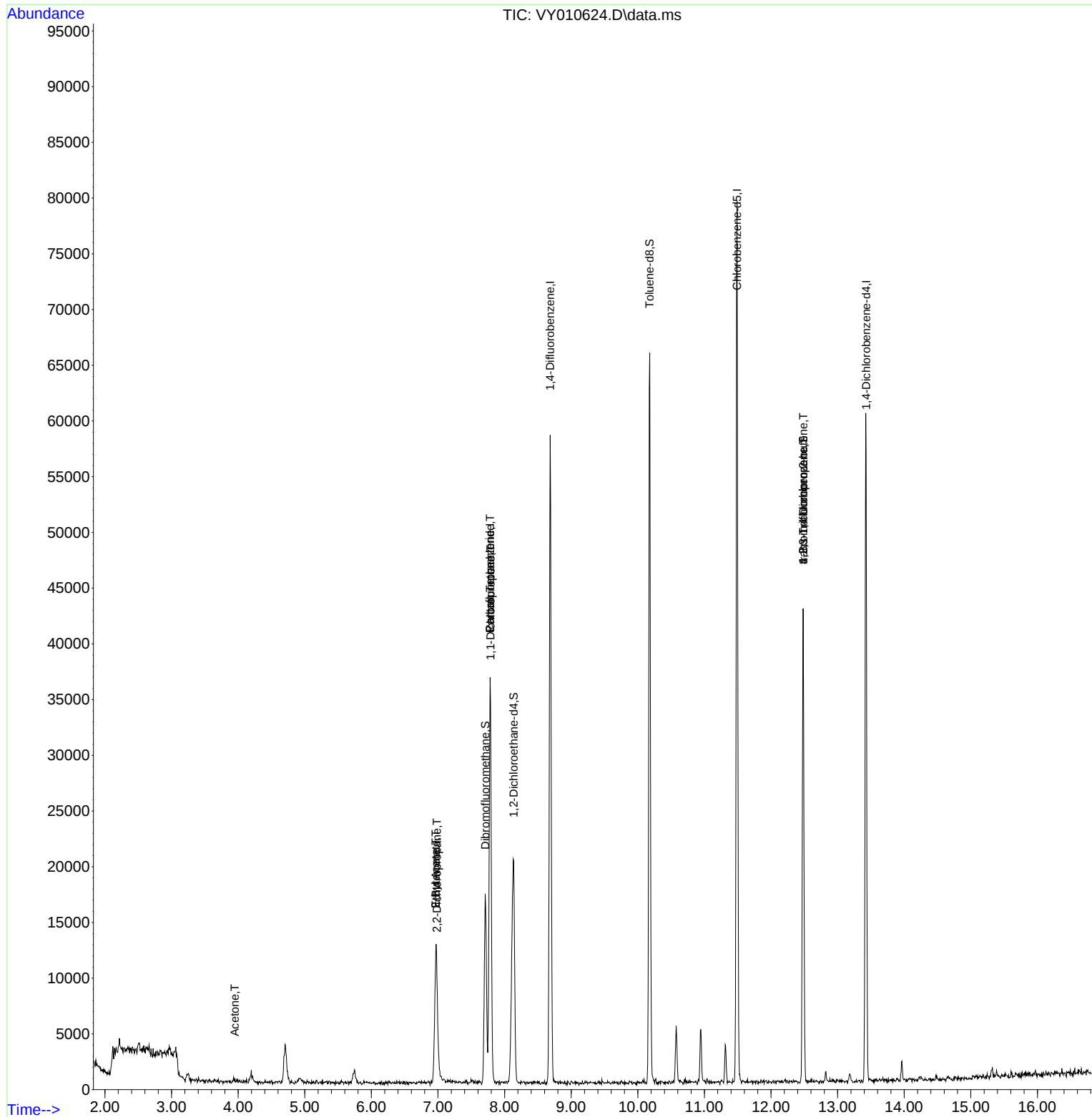
Internal Standards						
1) Pentafluorobenzene	7.783	168	28194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	48650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	43347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12619	46.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.580%		
35) Dibromofluoromethane	7.710	113	11962	38.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	77.060%		
50) Toluene-d8	10.179	98	43442	38.617	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.240%		
62) 4-Bromofluorobenzene	12.483	95	11444	25.552	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	51.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	135	Below Cal	#	43
3) Chloromethane	2.119	50	142	Below Cal	#	44
5) Bromomethane	2.637	94	47	Below Cal		93
11) Tert butyl alcohol	4.960	59	189	Below Cal	#	77
16) Acetone	3.948	43	521	9.474 ug/l	#	85
18) Methyl Acetate	4.680	43	53	Below Cal	#	56
20) Methylene Chloride	4.704	84	2680	Below Cal	#	78
25) 2-Butanone	6.966	43	685	7.964 ug/l	#	54
26) 2,2-Dichloropropane	6.984	77	961	2.350 ug/l	#	55
31) Cyclohexane	7.777	56	595	Below Cal	#	35
36) 1,1-Dichloropropene	7.789	75	2218	6.411 ug/l	#	43
37) Ethyl Acetate	6.966	43	685	3.428 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	2947	7.409 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	5857	39.082 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5857	86.896 ug/l	#	7

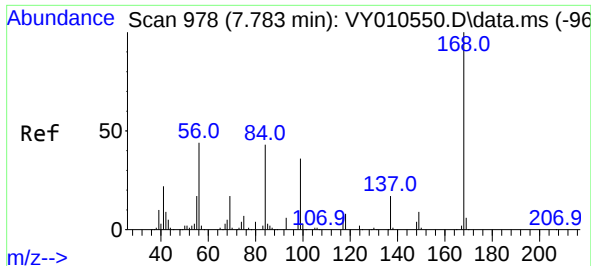
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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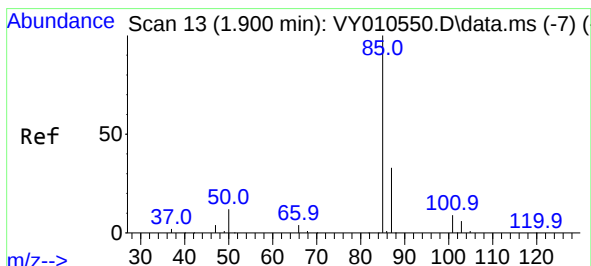
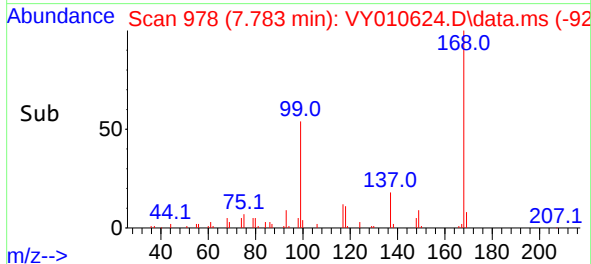
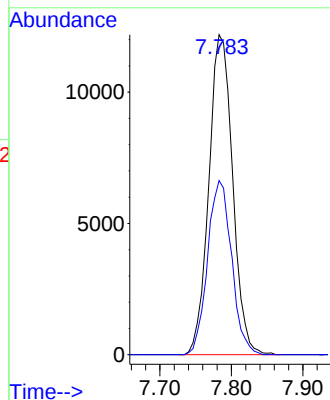
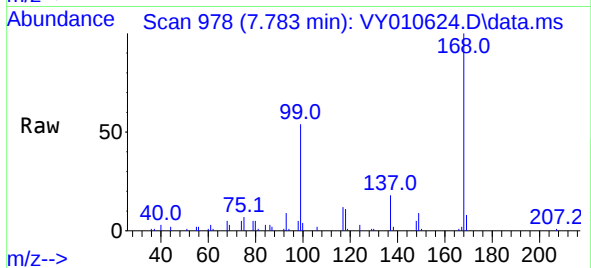




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

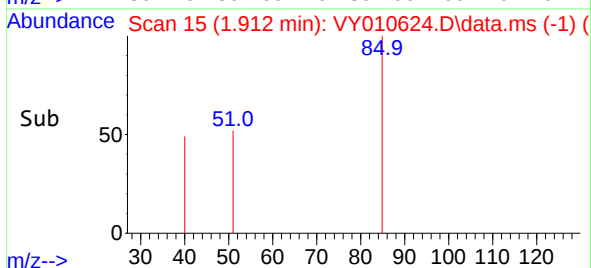
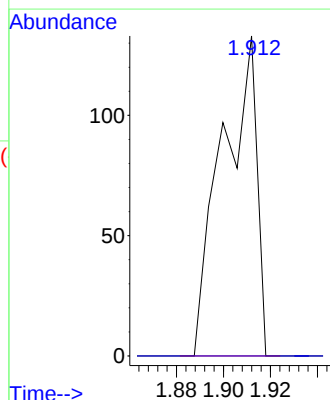
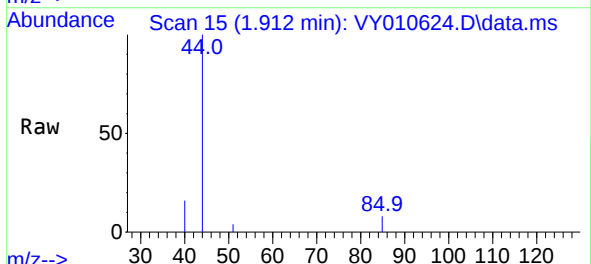
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

Tgt Ion:168 Resp: 28194
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

Tgt Ion: 85 Resp: 135
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

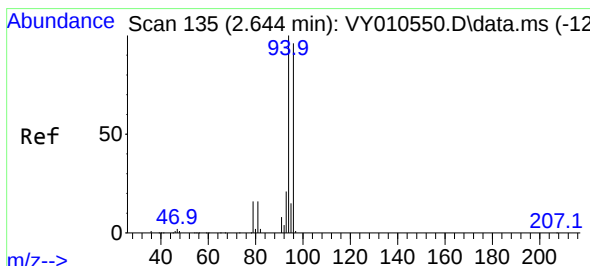
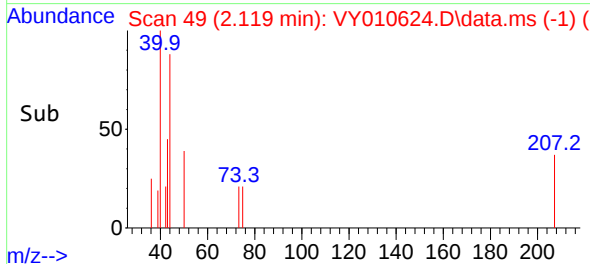
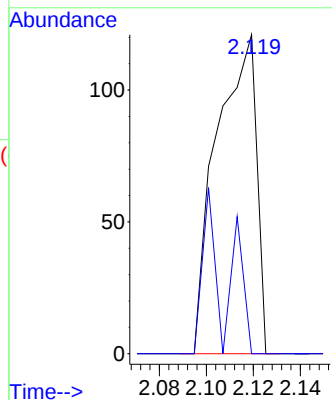
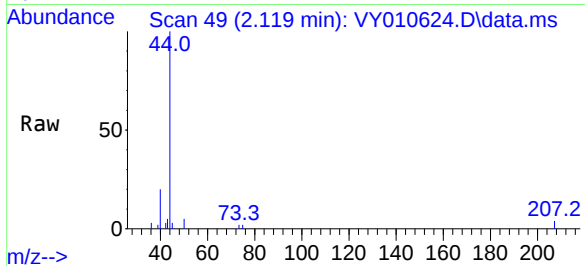




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

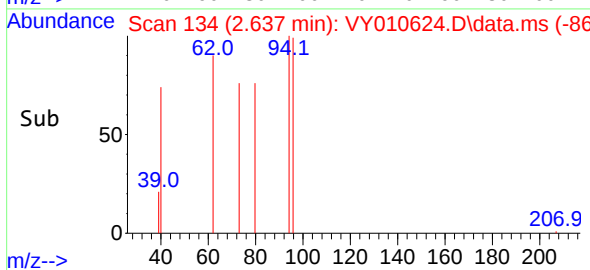
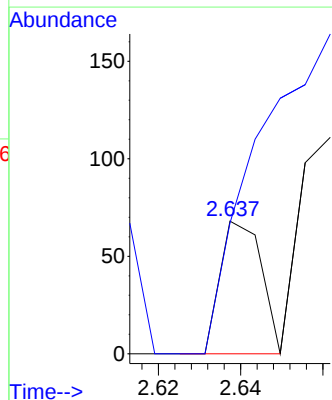
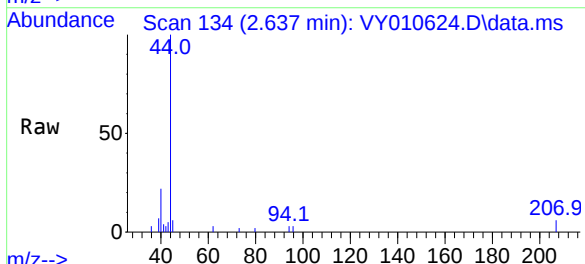
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

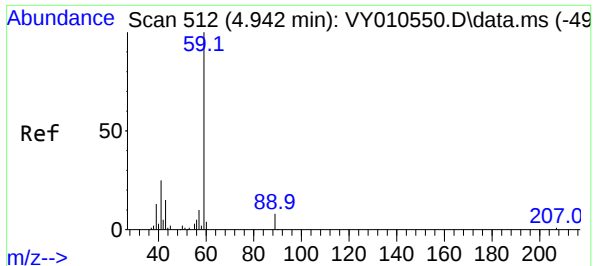
Tgt Ion: 50 Resp: 142
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 134
Delta R.T. -0.007 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 98.5 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 512

Delta R.T. 0.018 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

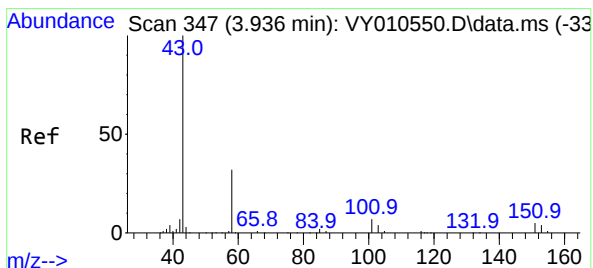
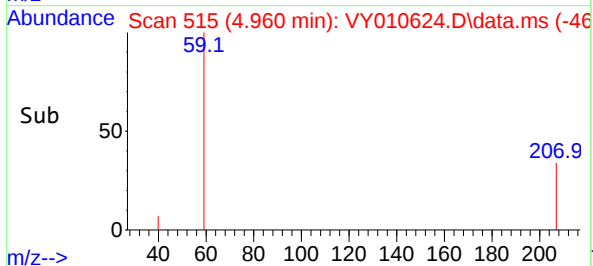
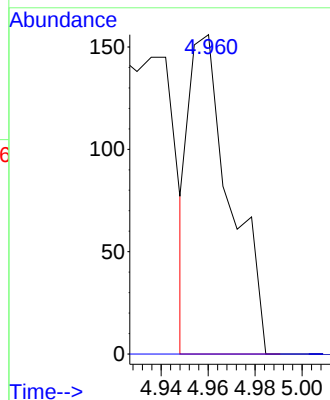
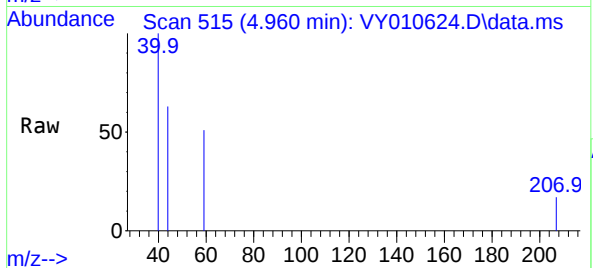
SB-11-8.5-9.0

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.474 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.012 min

Lab File: VY010624.D

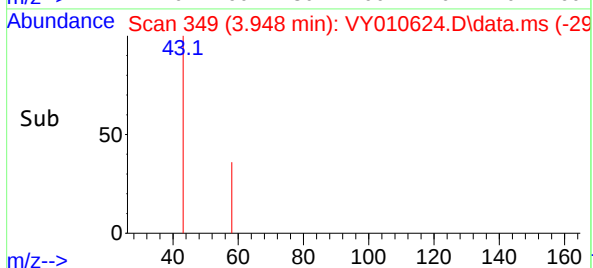
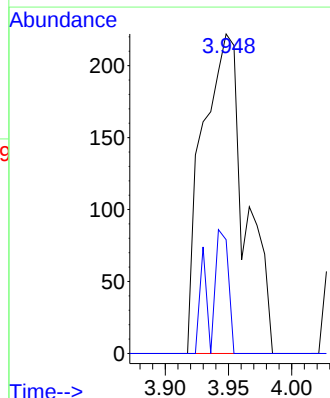
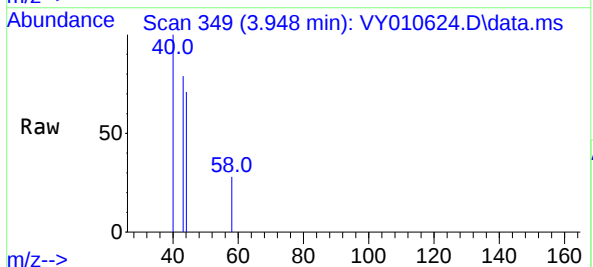
Acq: 22 Sep 2022 15:52

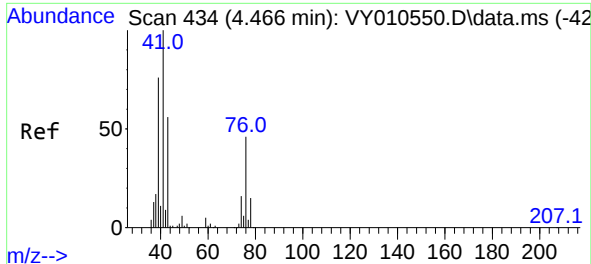
Tgt Ion: 43 Resp: 521

Ion Ratio Lower Upper

43 100

58 35.6 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.680 min Scan# 41

Delta R.T. 0.214 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

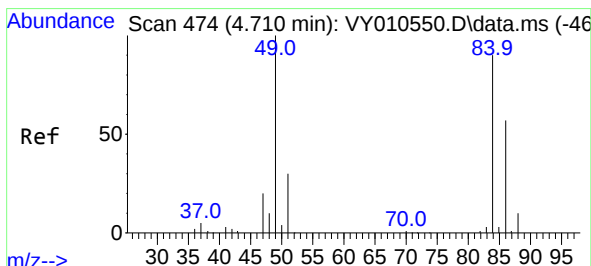
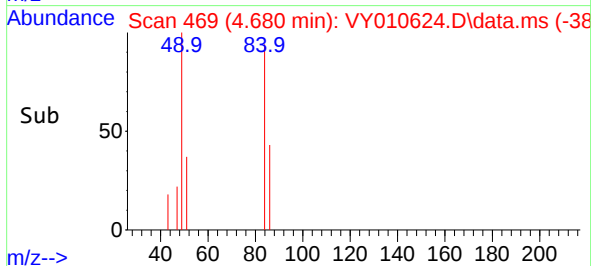
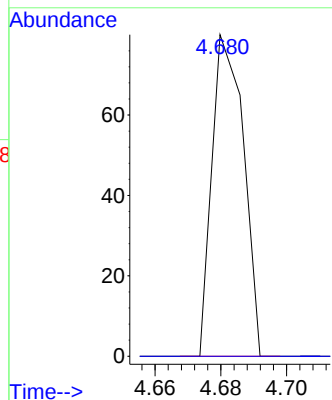
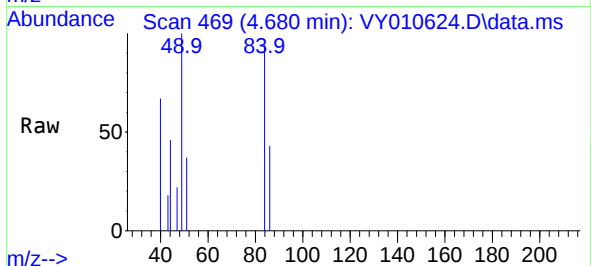
SB-11-8.5-9.0

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

Tgt Ion: 84 Resp: 2680

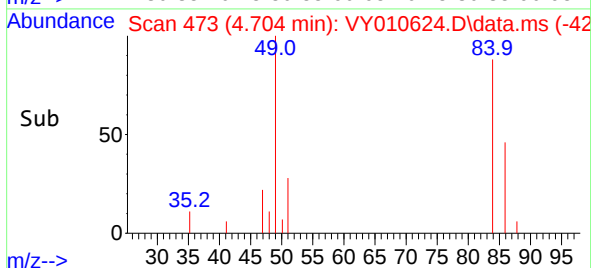
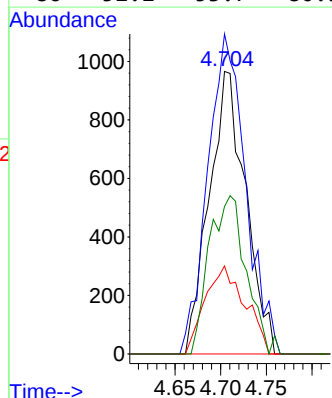
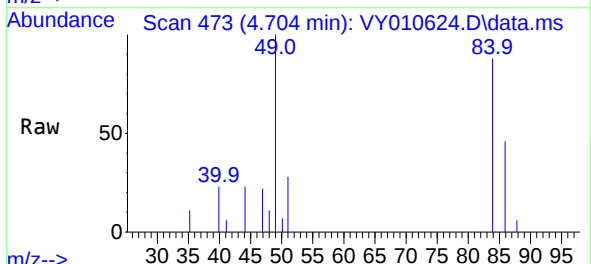
Ion Ratio Lower Upper

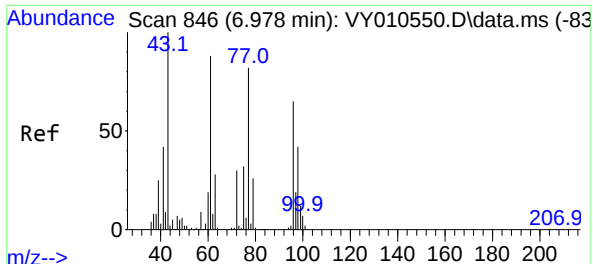
84 100

49 113.3 114.4 171.6#

51 31.2 35.3 52.9#

86 52.2 53.7 80.5#





#25

2-Butanone

Concen: 7.964 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

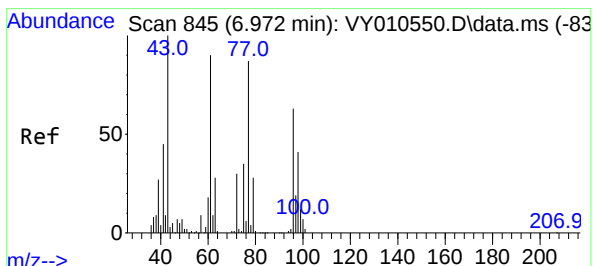
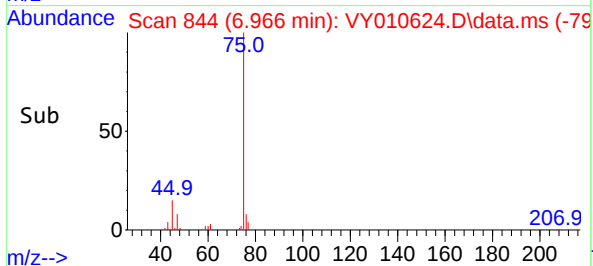
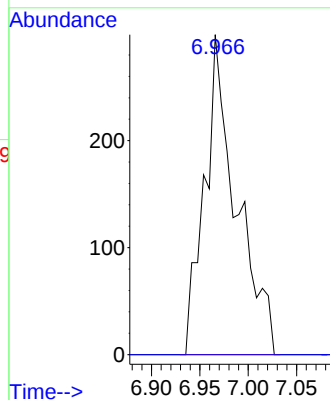
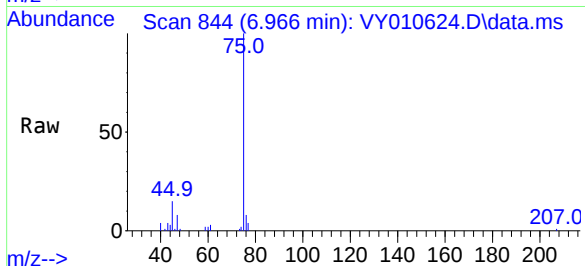
SB-11-8.5-9.0

Tgt Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.350 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY010624.D

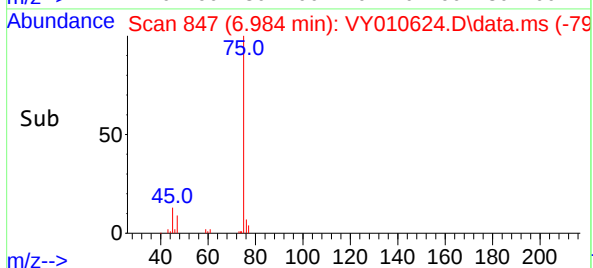
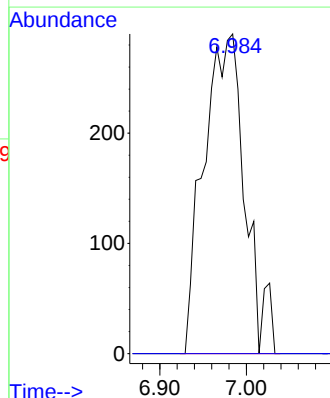
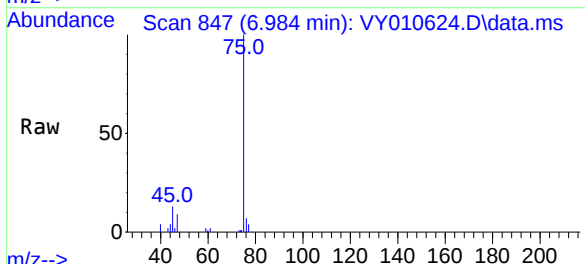
Acq: 22 Sep 2022 15:52

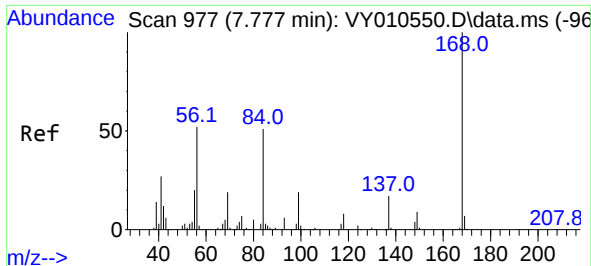
Tgt Ion: 77 Resp: 961

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#

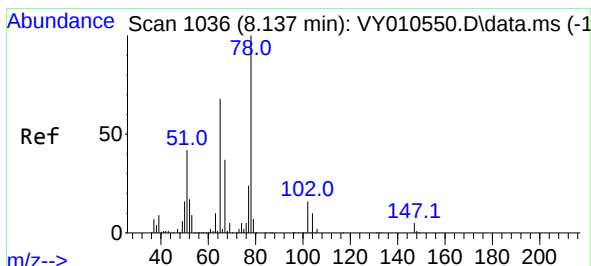
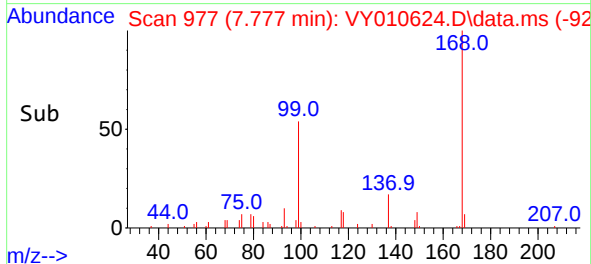
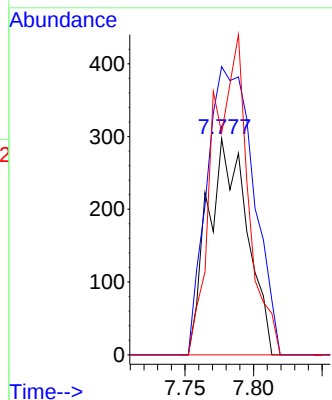
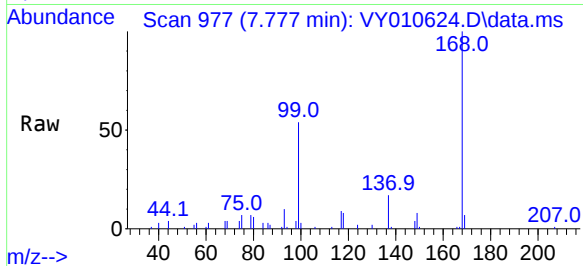




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

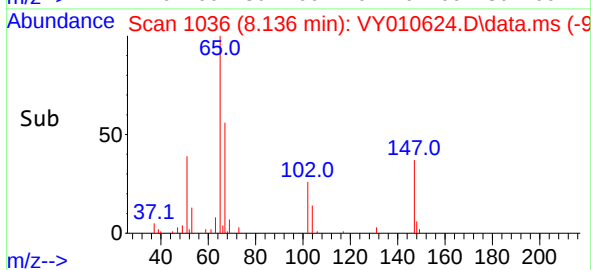
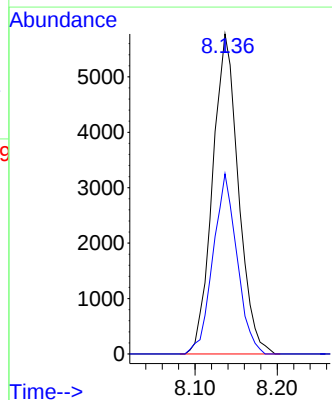
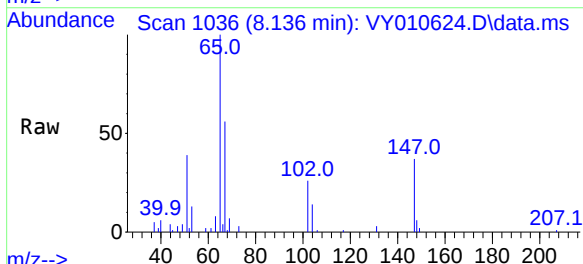
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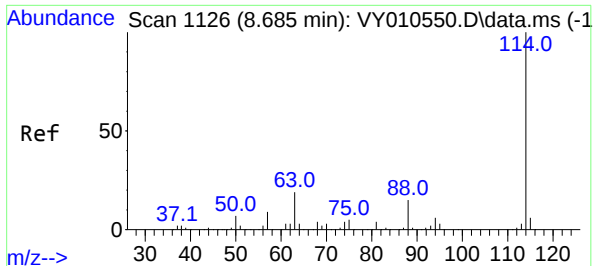
Tgt Ion: 56 Resp: 595
Ion Ratio Lower Upper
56 100
69 133.3 26.7 40.1#
84 102.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.794 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

Tgt Ion: 65 Resp: 12619
Ion Ratio Lower Upper
65 100
67 52.3 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: VY010624.D

Acq: 22 Sep 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-11-8.5-9.0

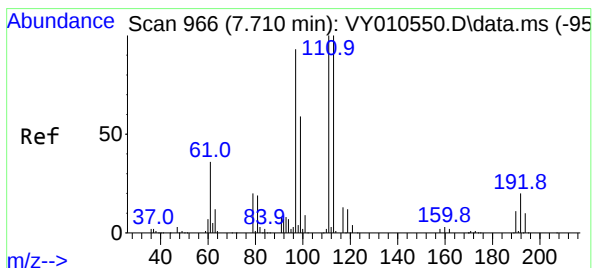
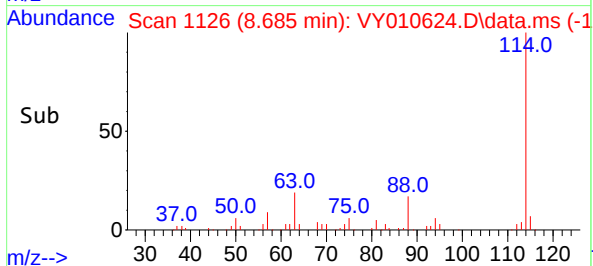
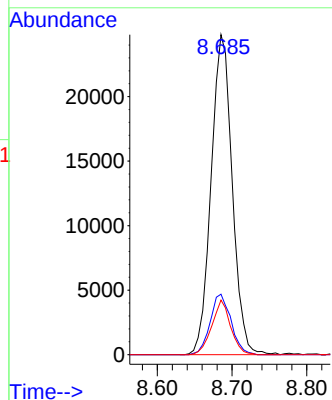
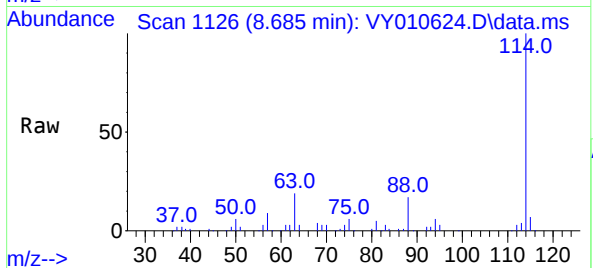
Tgt Ion:114 Resp: 48650

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 17.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.527 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

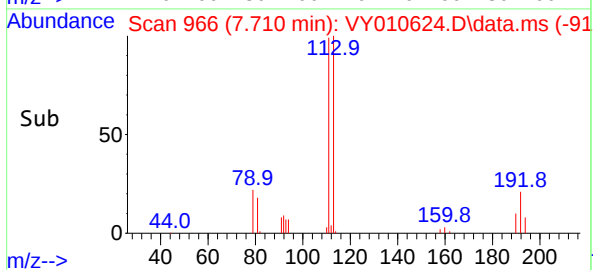
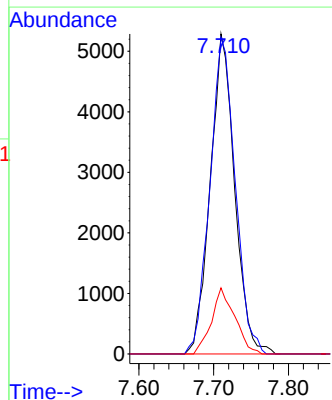
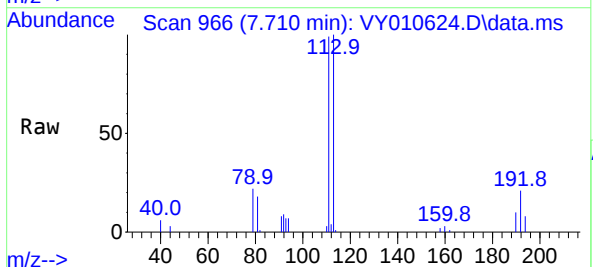
Tgt Ion:113 Resp: 11962

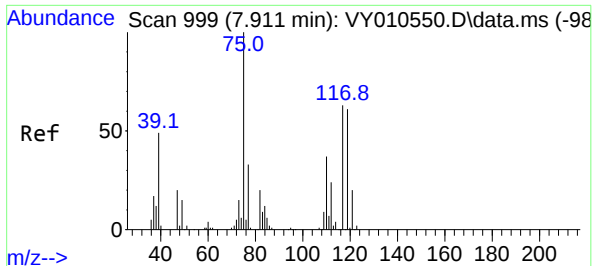
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.411 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

Instrument :

MSVOA_Y

ClientSampleId :

SB-11-8.5-9.0

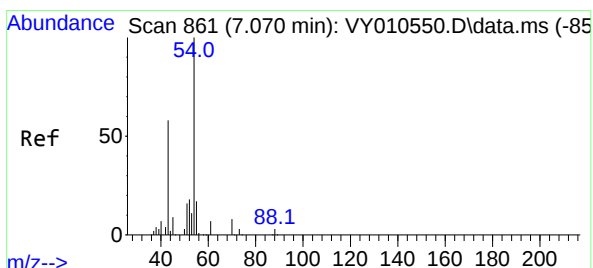
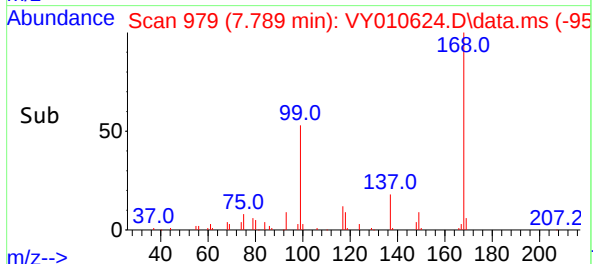
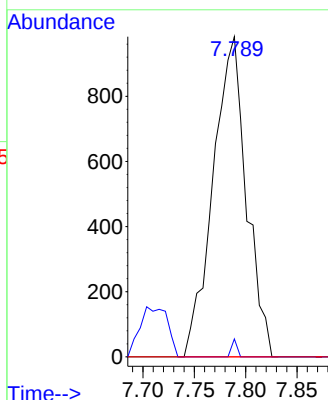
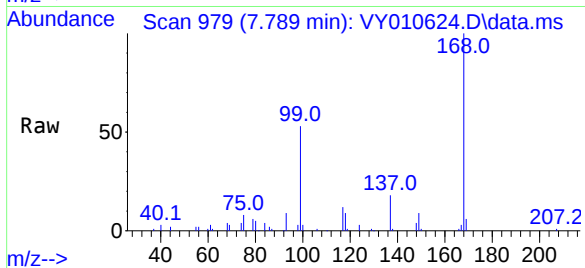
Tgt Ion: 75 Resp: 2218

Ion Ratio Lower Upper

75 100

110 0.9 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 3.428 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.104 min

Lab File: VY010624.D

Acq: 22 Sep 2022 15:52

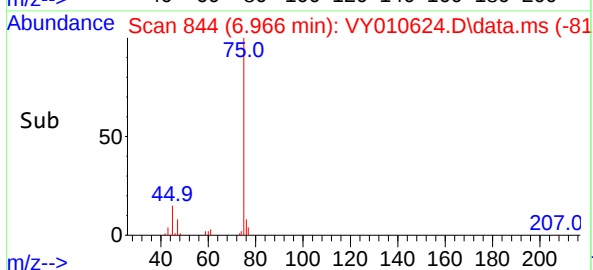
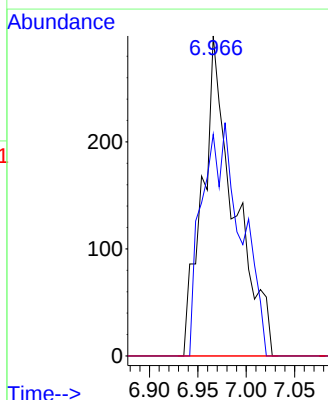
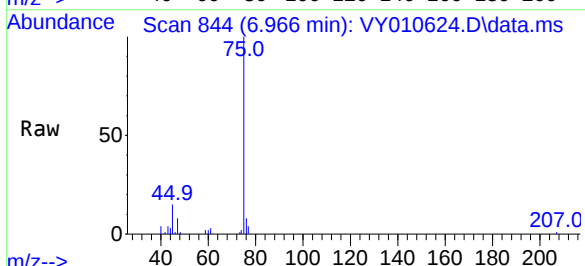
Tgt Ion: 43 Resp: 685

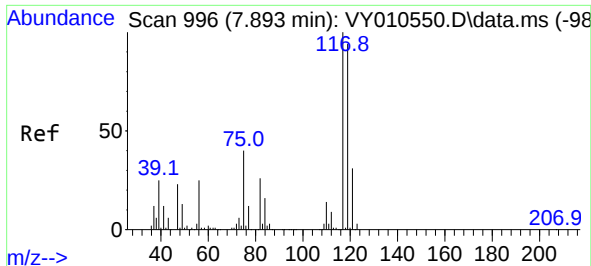
Ion Ratio Lower Upper

43 100

61 88.6 9.7 14.5#

70 0.0 7.1 10.7#

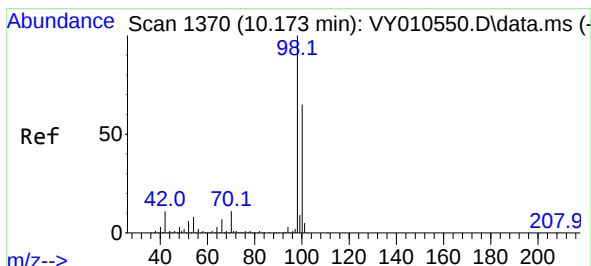
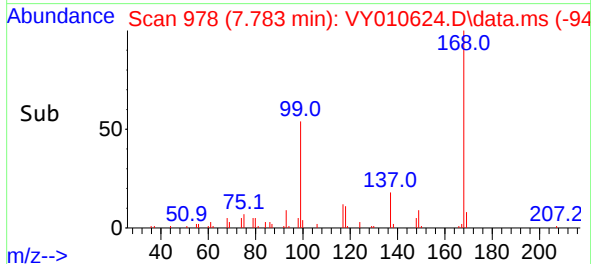
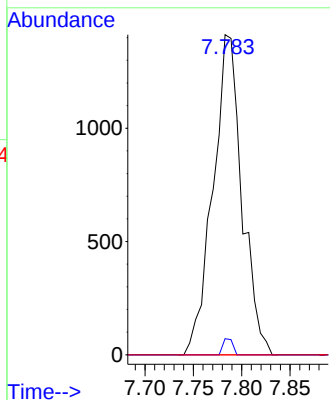
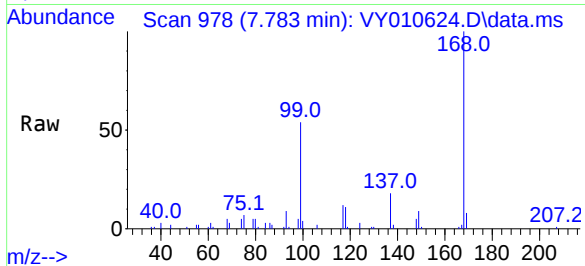




#38
Carbon Tetrachloride
Concen: 7.409 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

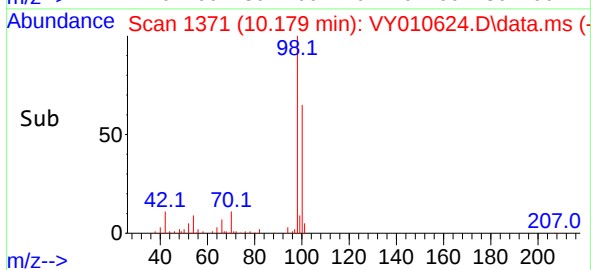
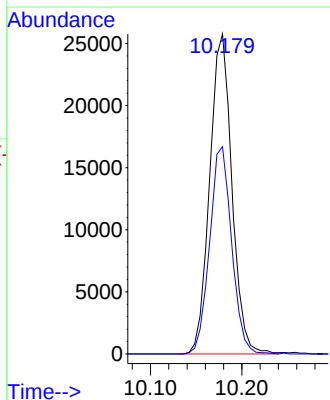
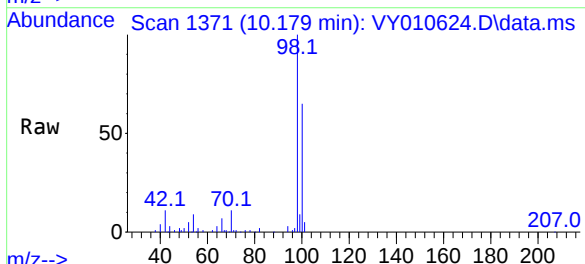
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

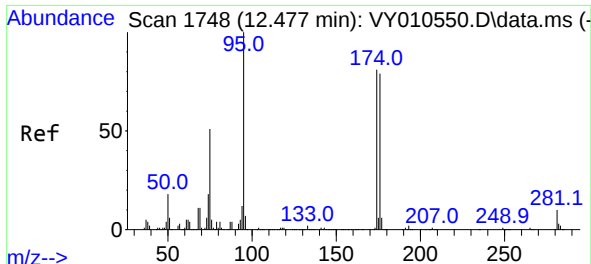
Tgt Ion:117 Resp: 2947
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.617 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

Tgt Ion: 98 Resp: 43442
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

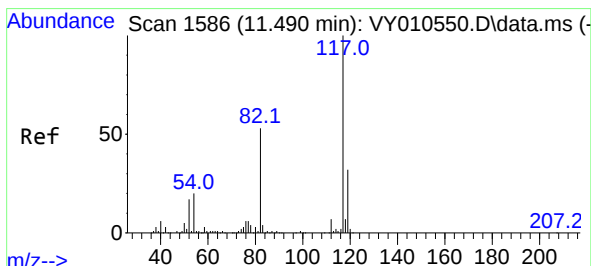
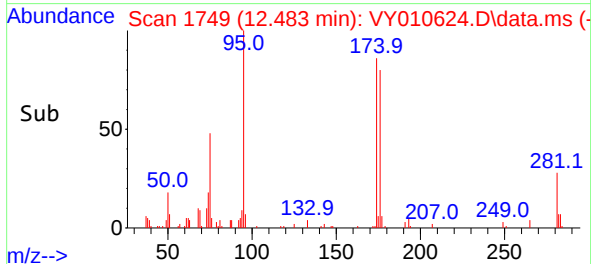
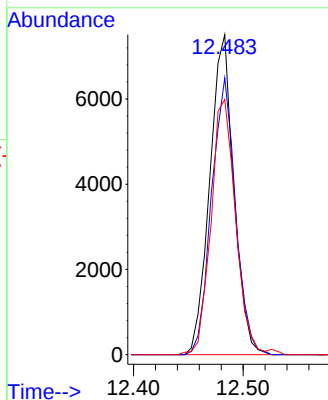
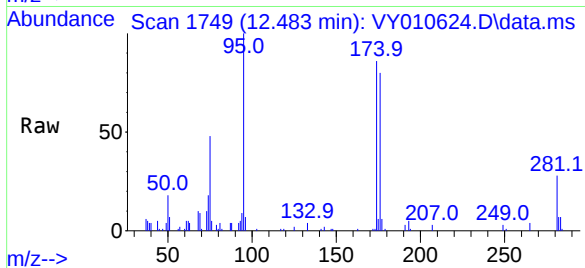




#62
4-Bromofluorobenzene
Concen: 25.552 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

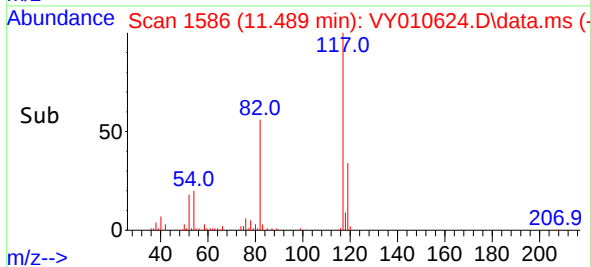
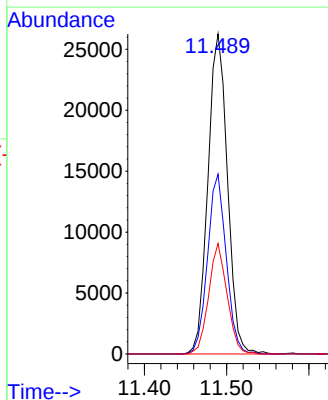
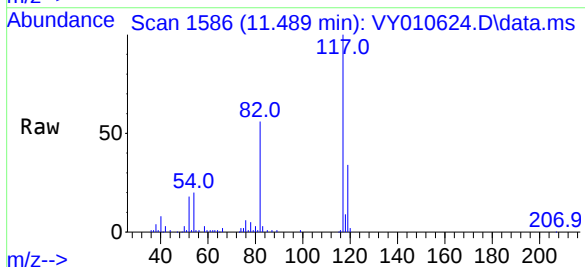
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

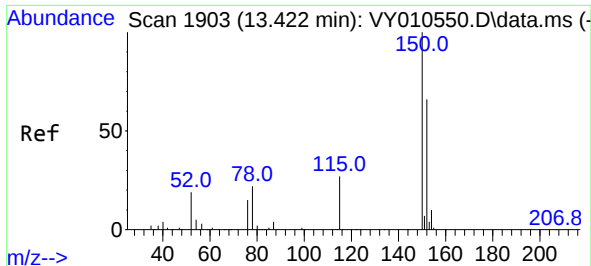
Tgt Ion: 95 Resp: 11444
Ion Ratio Lower Upper
95 100
174 86.3 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

Tgt Ion: 117 Resp: 43347
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 34.5 25.4 38.0

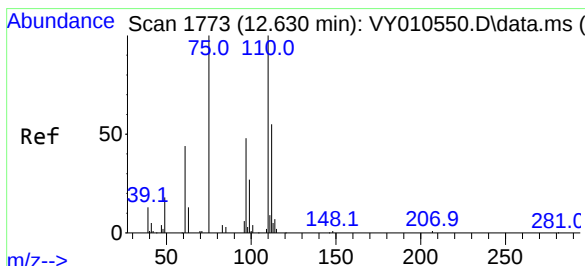
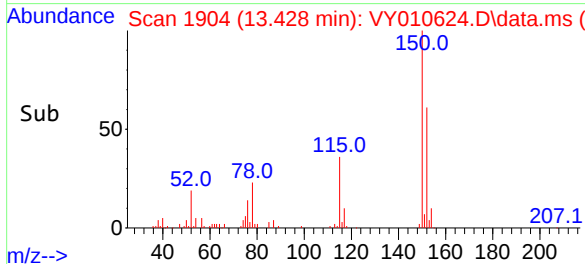
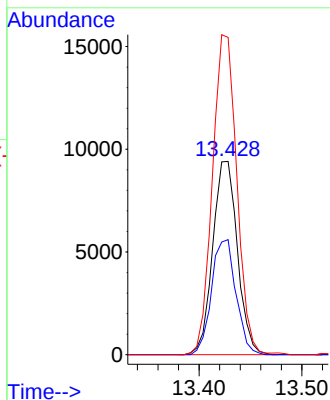
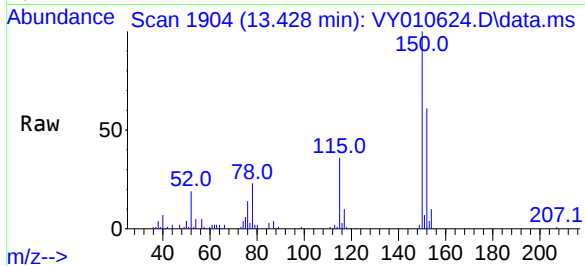




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

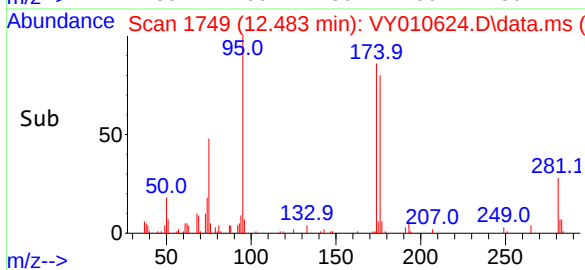
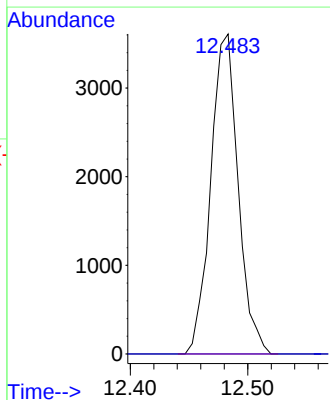
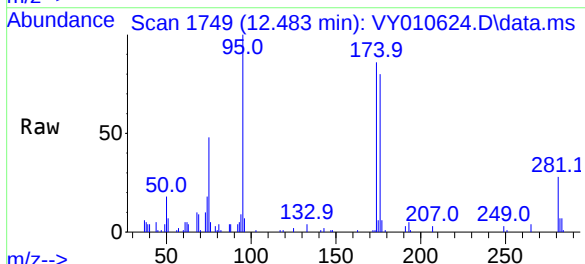
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-8.5-9.0

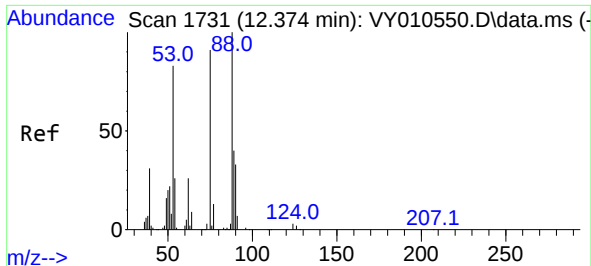
Tgt Ion:152 Resp: 15702
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 163.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 39.082 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010624.D
Acq: 22 Sep 2022 15:52

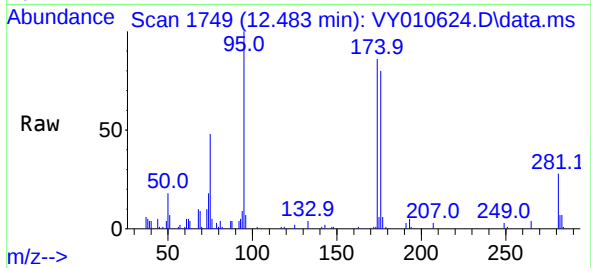
Tgt Ion: 75 Resp: 5857
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.896 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010624.D
 Acq: 22 Sep 2022 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-8.5-9.0



Tgt Ion:	75	Resp:	5857
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

