

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011568.D
 Acq On : 23 Nov 2022 12:27
 Operator : KP/MD
 Sample : N5749-08RE
 Misc : 3.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:37:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

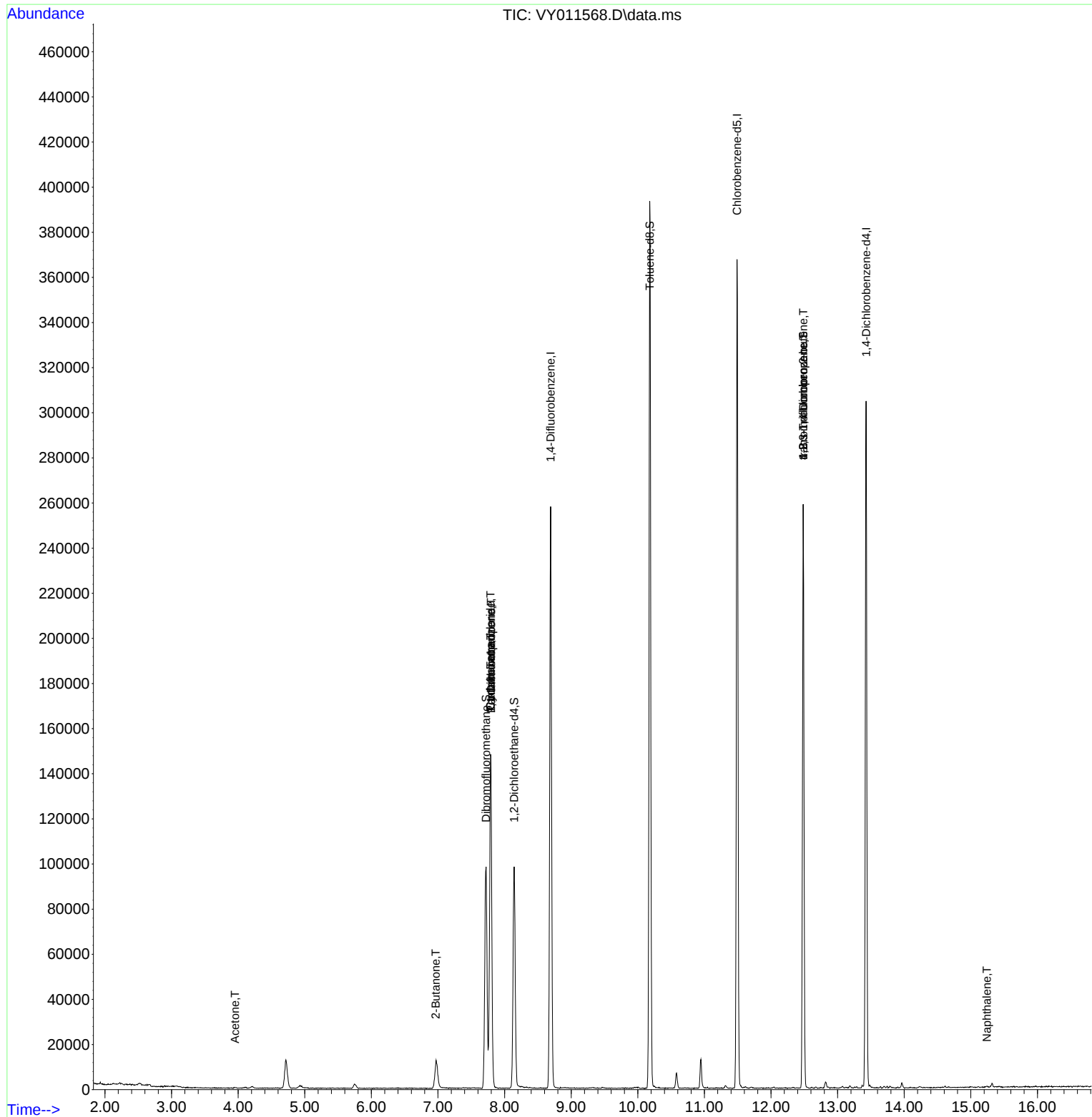
Internal Standards						
1) Pentafluorobenzene	7.795	168	111910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	194336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77501	68.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.400%	
35) Dibromofluoromethane	7.722	113	70403	54.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.640%	
50) Toluene-d8	10.179	98	257598	55.202	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.400%	
62) 4-Bromofluorobenzene	12.483	95	75145	43.554	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	71	Below Cal	#	43
3) Chloromethane	2.113	50	257	Below Cal	#	44
5) Bromomethane	2.668	94	240	Below Cal		94
11) Tert butyl alcohol	4.936	59	1520	Below Cal	#	77
16) Acetone	3.954	43	453	1.227	ug/l	98
18) Methyl Acetate	4.485	43	98	Below Cal	#	56
20) Methylene Chloride	4.722	84	8691	Below Cal	#	86
25) 2-Butanone	6.966	43	761	1.569	ug/l #	54
31) Cyclohexane	7.789	56	2584	1.372	ug/l #	6
36) 1,1-Dichloropropene	7.795	75	9215	4.591	ug/l #	51
38) Carbon Tetrachloride	7.789	117	11721	5.219	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	40147	48.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40147	105.669	ug/l #	7
95) Naphthalene	15.239	128	620	4.228	ug/l #	69

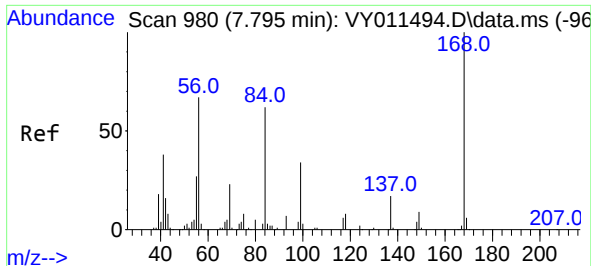
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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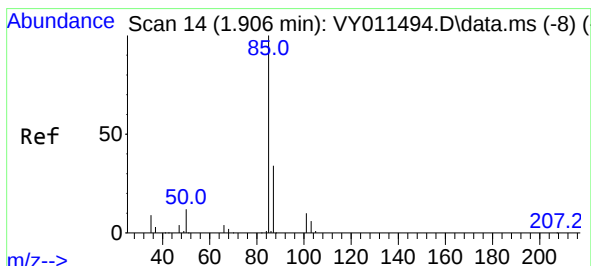
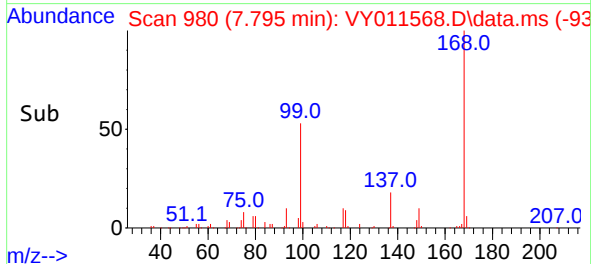
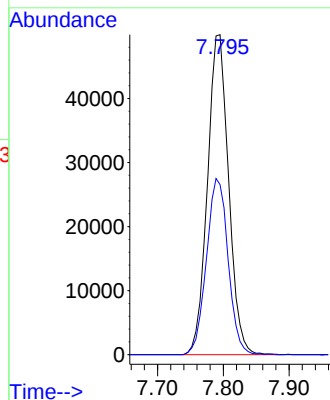
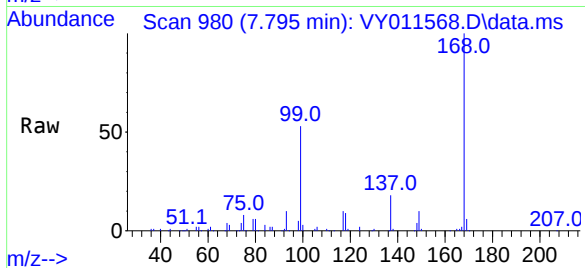




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

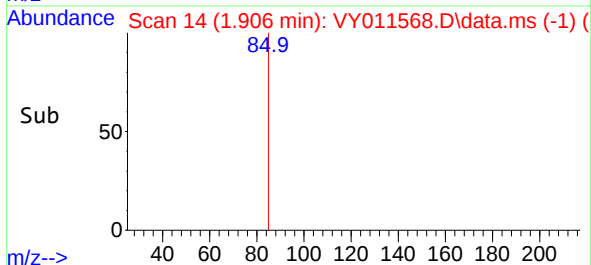
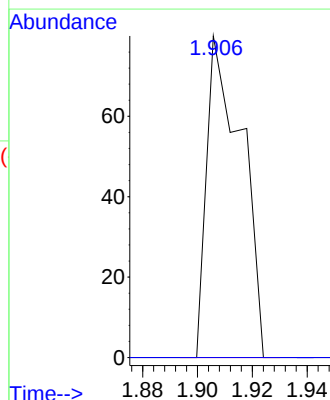
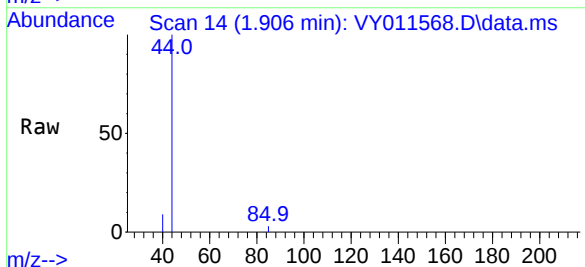
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 111910
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3

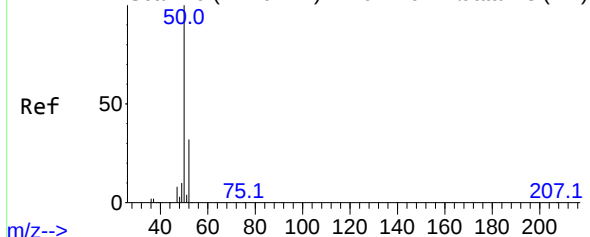


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

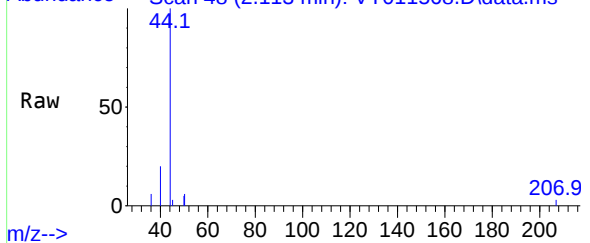
Tgt Ion: 50 Resp: 257

Ion Ratio Lower Upper

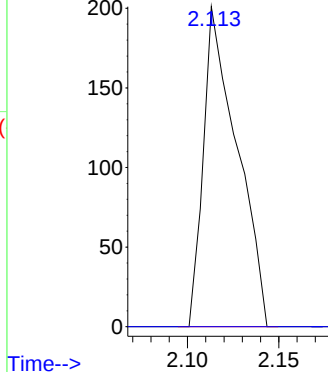
50 100

52 0.0 24.6 37.0#

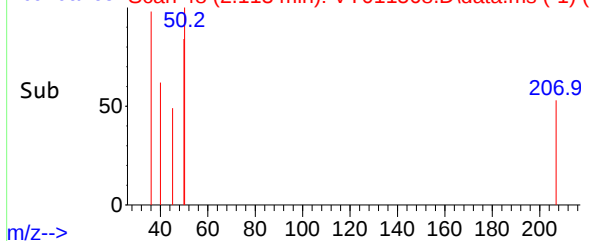
Abundance Scan 48 (2.113 min): VY011568.D\data.ms



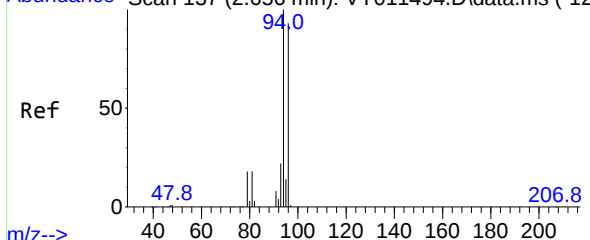
Abundance



Abundance Scan 48 (2.113 min): VY011568.D\data.ms (-1)



Abundance Scan 137 (2.656 min): VY011494.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.012 min

Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

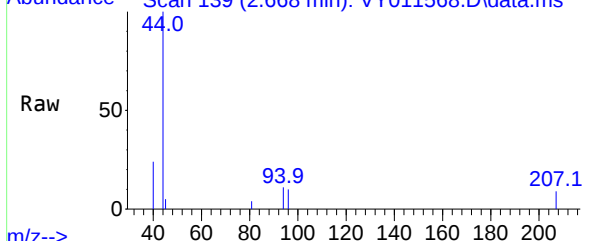
Tgt Ion: 94 Resp: 240

Ion Ratio Lower Upper

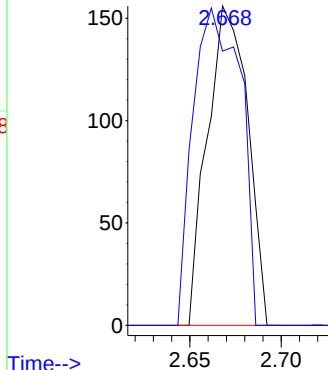
94 100

96 85.9 73.5 110.3

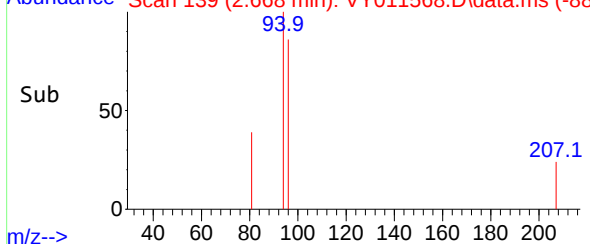
Abundance Scan 139 (2.668 min): VY011568.D\data.ms

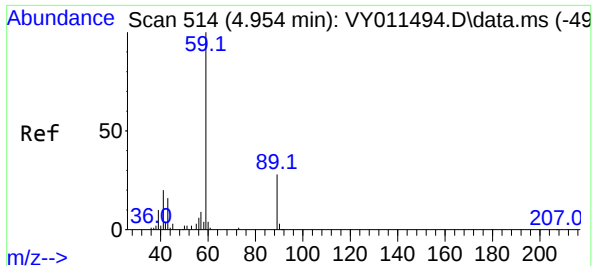


Abundance



Abundance Scan 139 (2.668 min): VY011568.D\data.ms (-88)





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 514

Delta R.T. -0.018 min

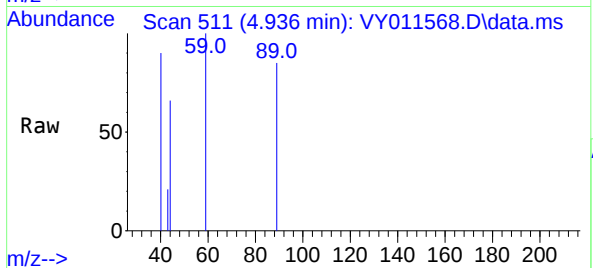
Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

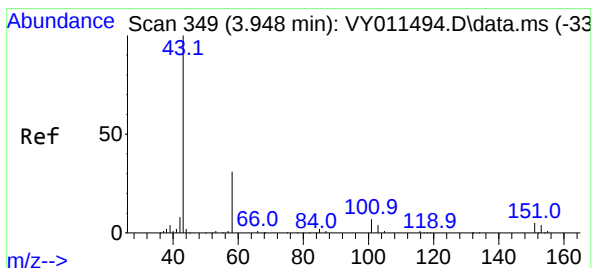
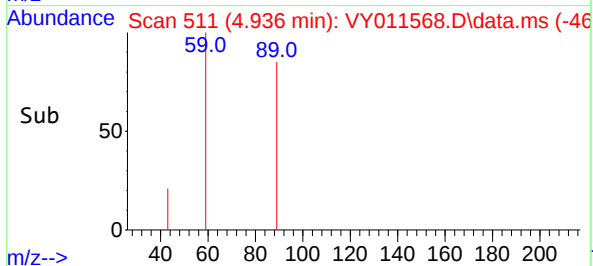
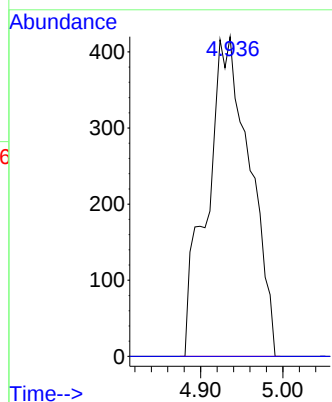


Tgt Ion: 59 Resp: 1520

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.227 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011568.D

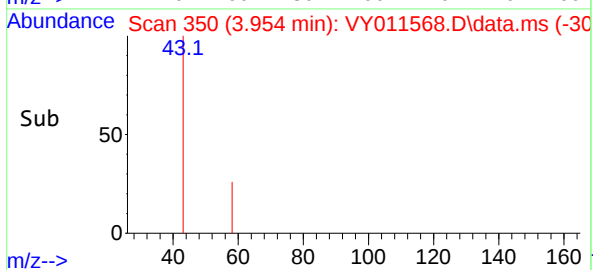
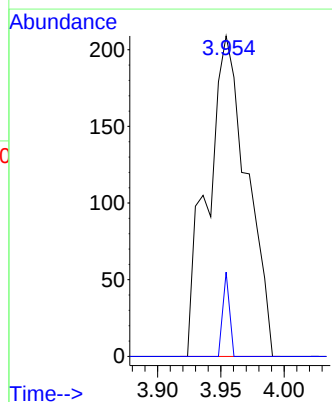
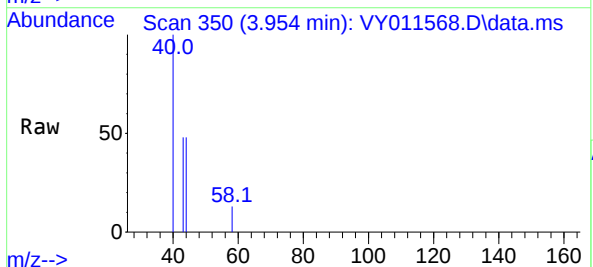
Acq: 23 Nov 2022 12:27

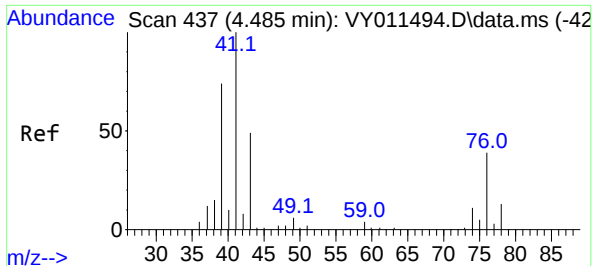
Tgt Ion: 43 Resp: 453

Ion Ratio Lower Upper

43 100

58 26.3 22.0 33.0

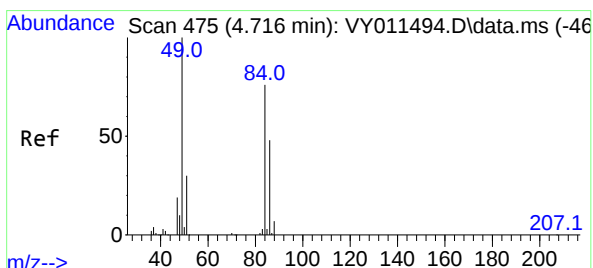
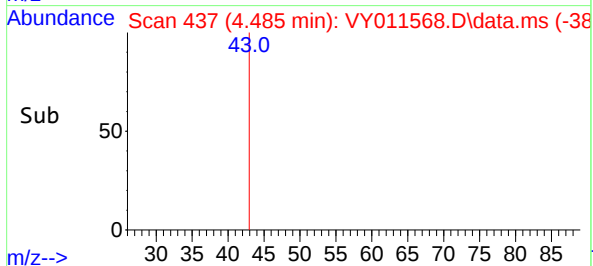
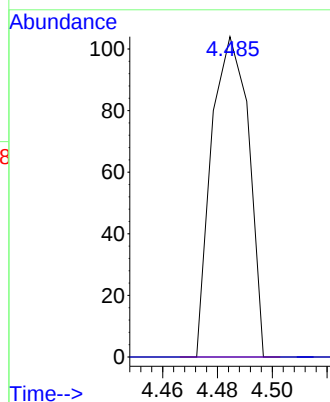
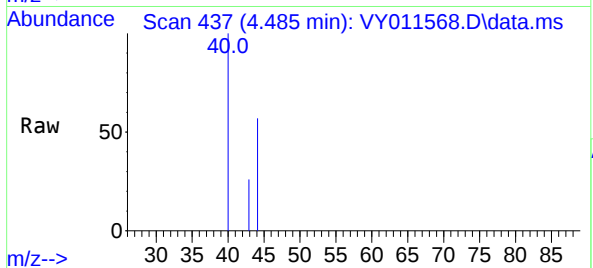




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

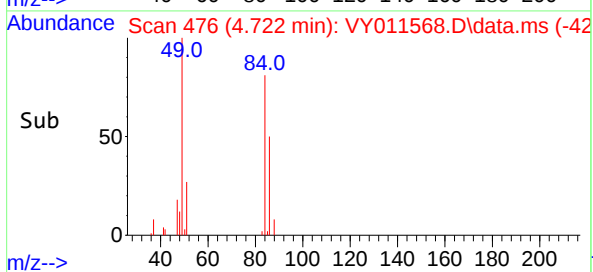
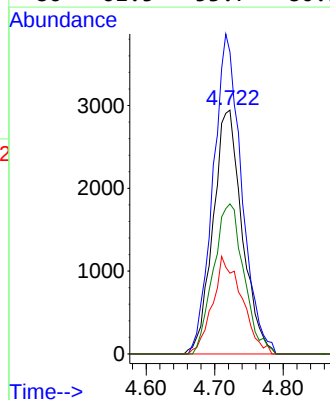
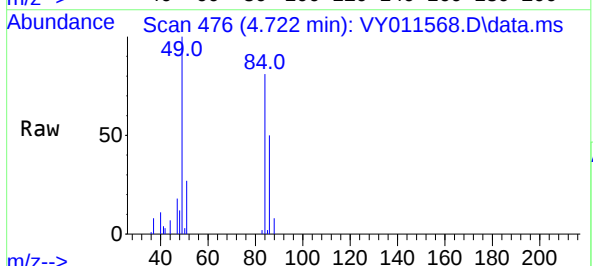
Instrument :
MSVOA_Y
ClientSampleId :

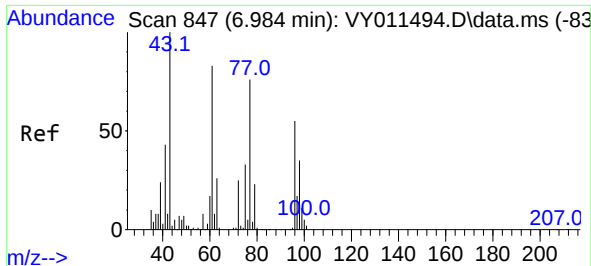
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Tgt Ion: 84 Resp: 8691
Ion Ratio Lower Upper
84 100
49 123.8 114.4 171.6
51 33.1 35.3 52.9#
86 61.5 53.7 80.5





#25

2-Butanone

Concen: 1.569 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

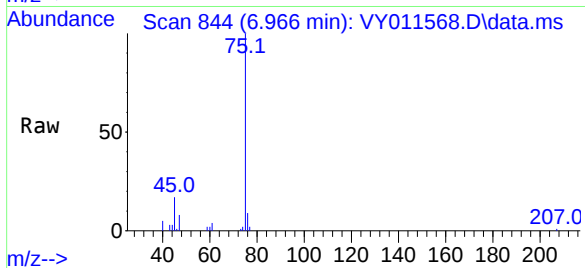
Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

Instrument :

MSVOA_Y

ClientSampleId :

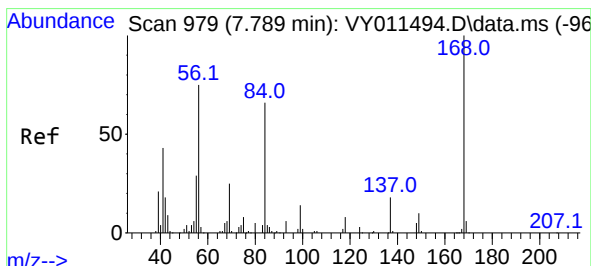
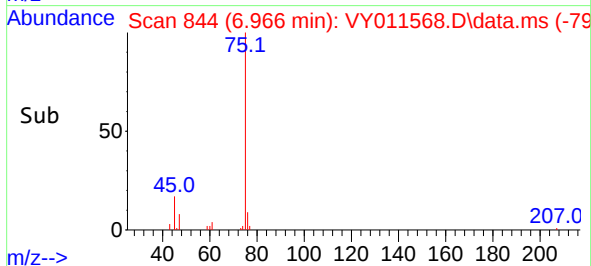
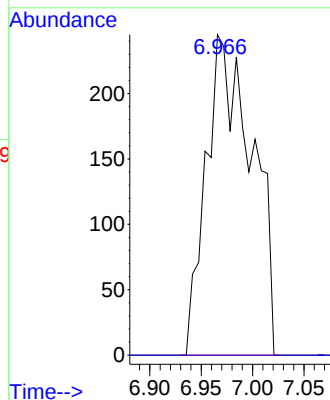


Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

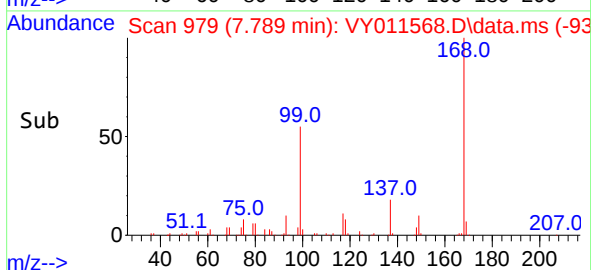
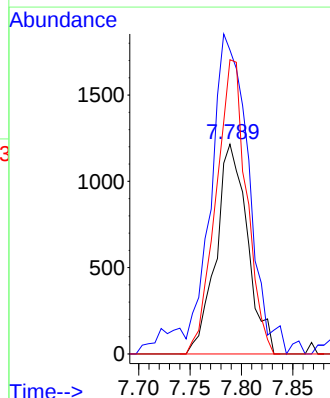
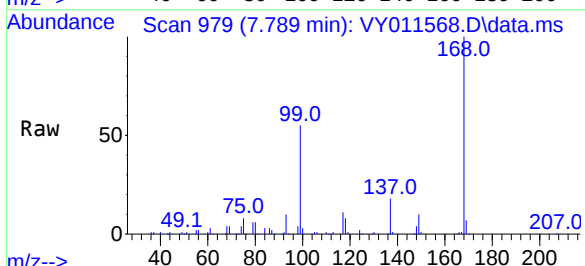
Tgt Ion: 56 Resp: 2584

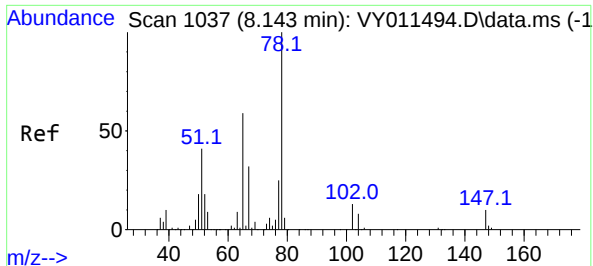
Ion Ratio Lower Upper

56 100

69 132.6 26.7 40.1#

84 140.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 68.203 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

Instrument :

MSVOA_Y

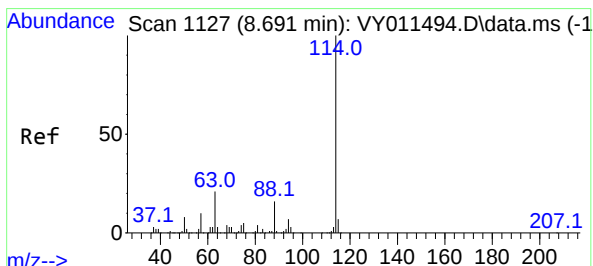
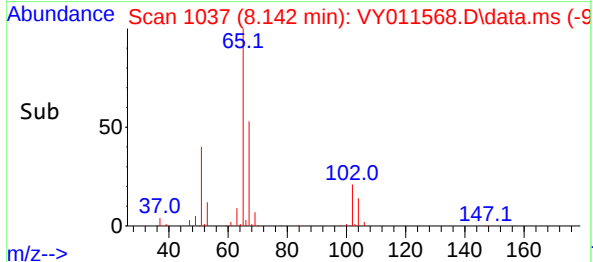
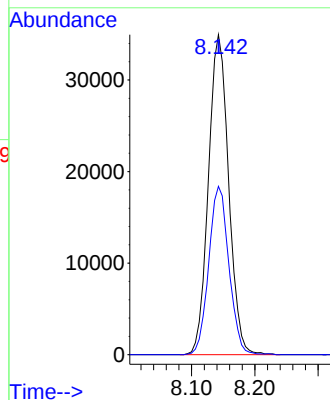
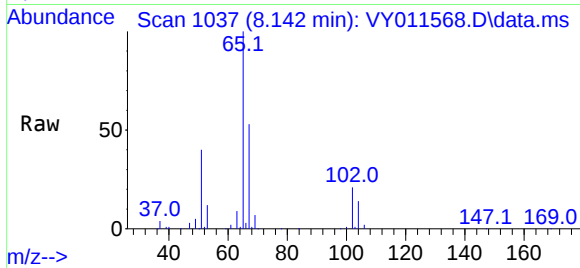
ClientSampleId :

Tgt Ion: 65 Resp: 77501

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011568.D

Acq: 23 Nov 2022 12:27

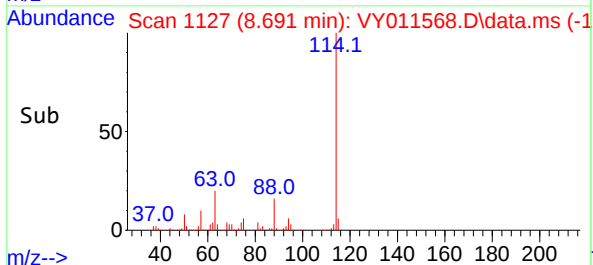
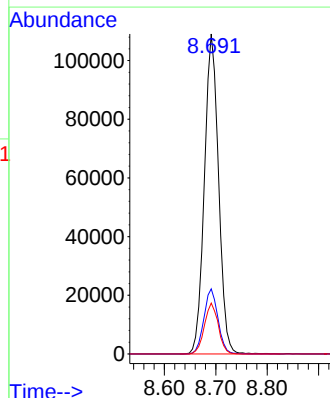
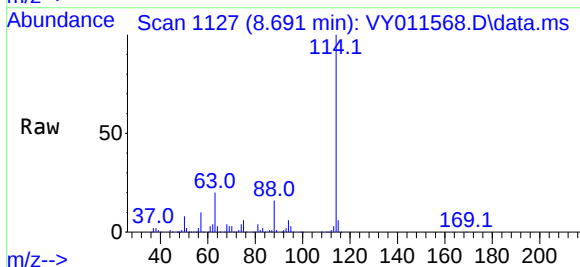
Tgt Ion:114 Resp: 208603

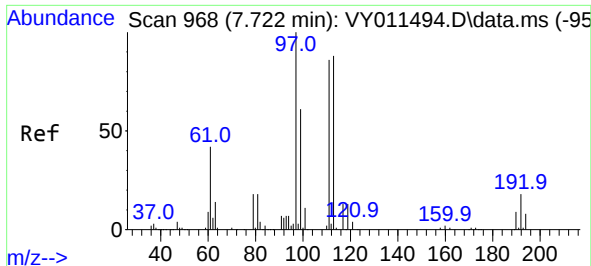
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

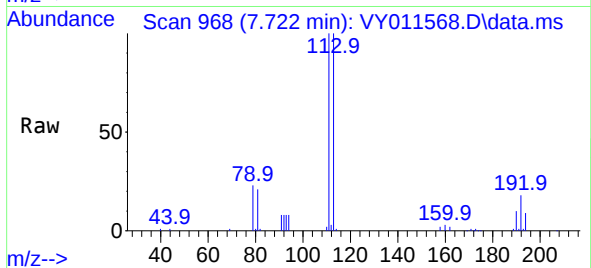
88 15.9 0.0 31.8



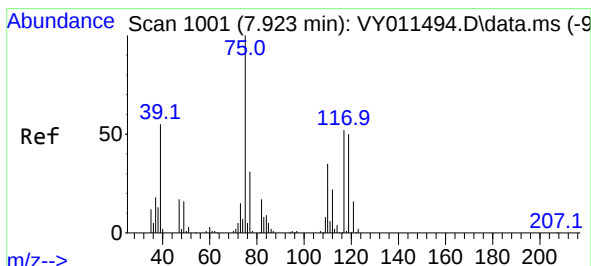
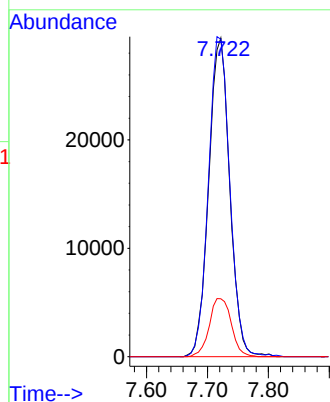
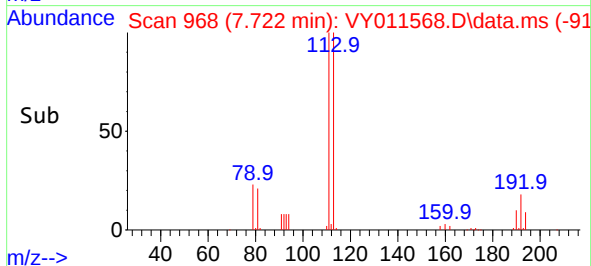


#35
Dibromofluoromethane
Concen: 54.825 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

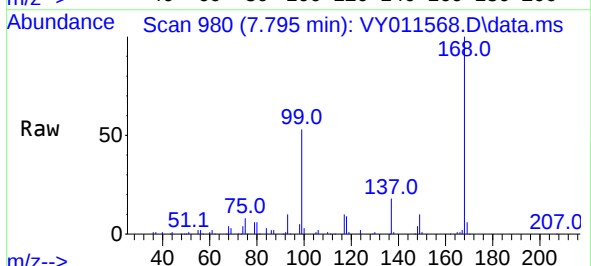
Instrument :
MSVOA_Y
ClientSampleId :



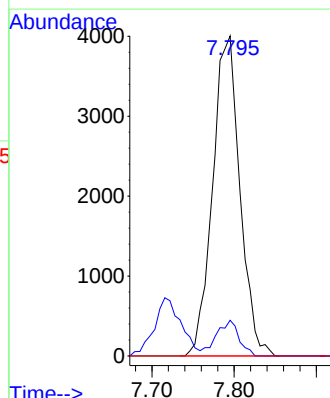
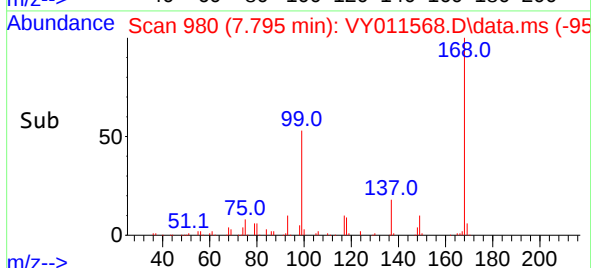
Tgt Ion:113 Resp: 70403
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 19.1 17.6 26.4

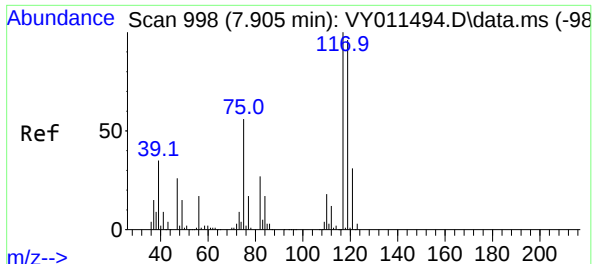


#36
1,1-Dichloropropene
Concen: 4.591 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27



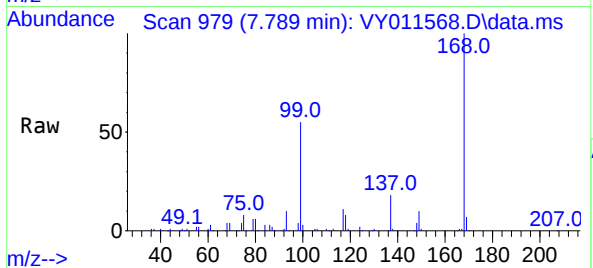
Tgt Ion: 75 Resp: 9215
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



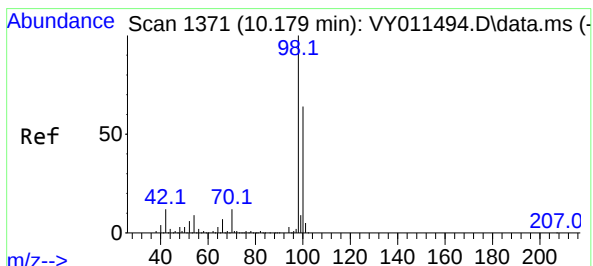
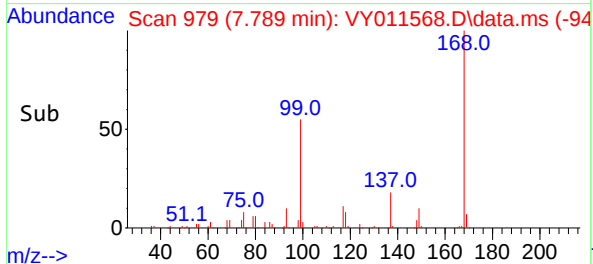
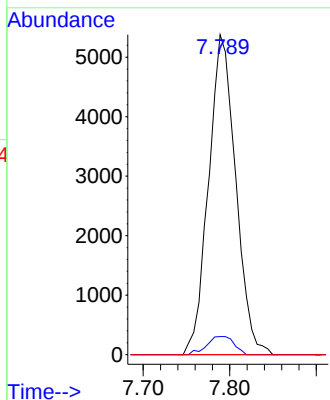


#38
Carbon Tetrachloride
Concen: 5.219 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Instrument :
MSVOA_Y
ClientSampleId :

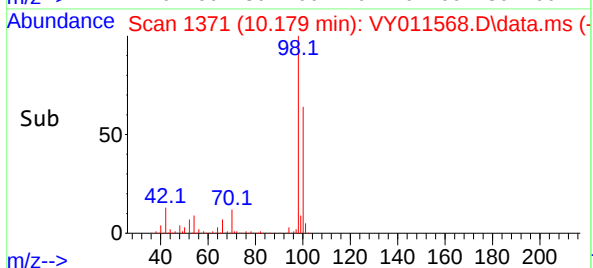
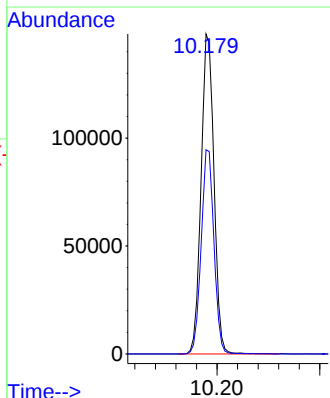
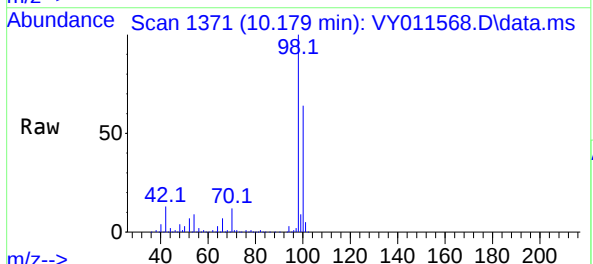


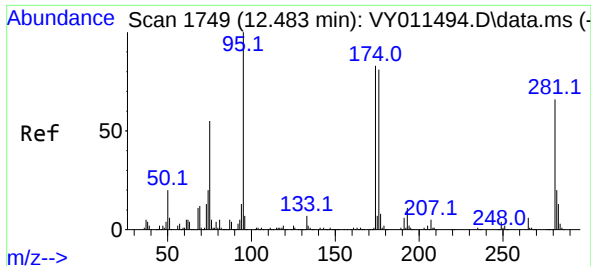
Tgt Ion:117 Resp: 11721
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.202 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Tgt Ion: 98 Resp: 257598
Ion Ratio Lower Upper
98 100
100 63.1 50.2 75.2

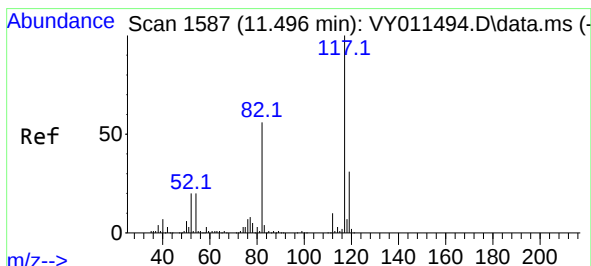
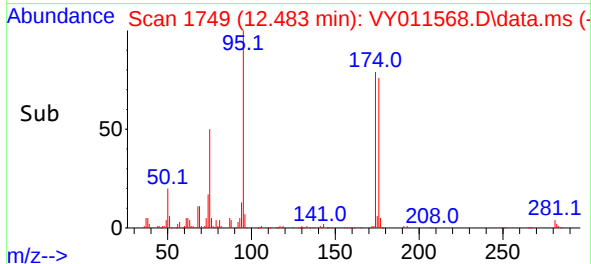
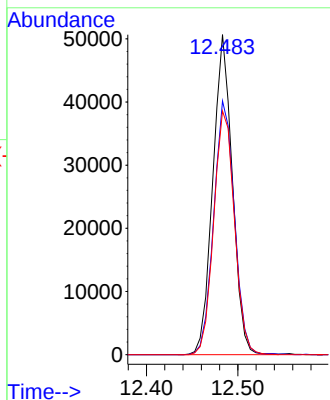
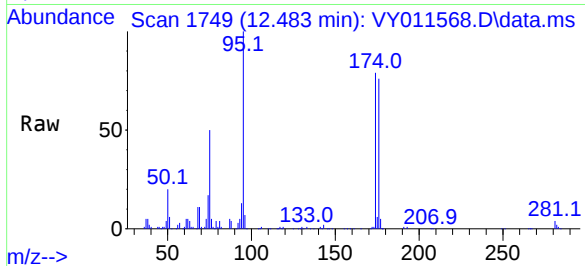




#62
4-Bromofluorobenzene
Concen: 43.554 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

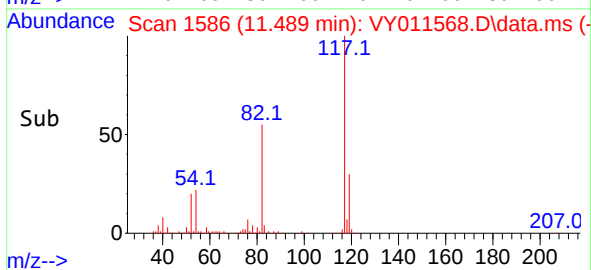
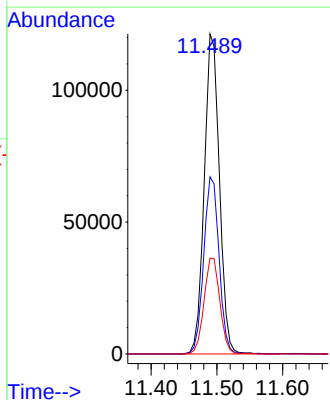
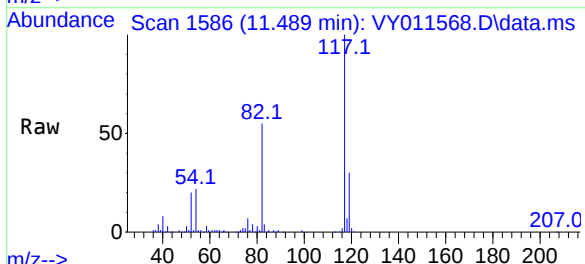
Instrument :
MSVOA_Y
ClientSampleId :

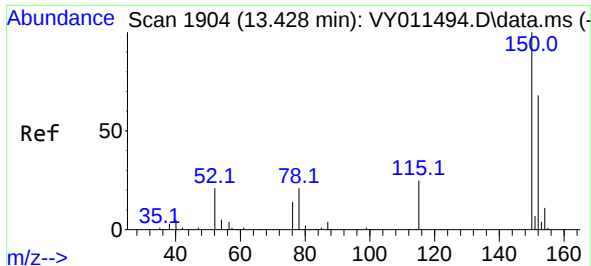
Tgt Ion: 95 Resp: 75145
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

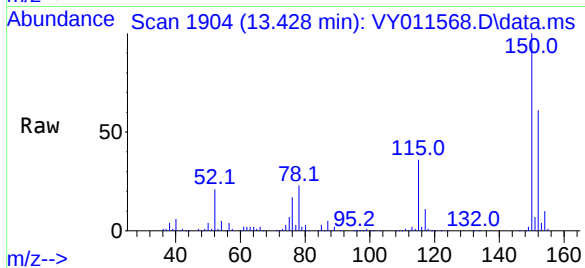
Tgt Ion:117 Resp: 194336
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 29.9 25.4 38.0



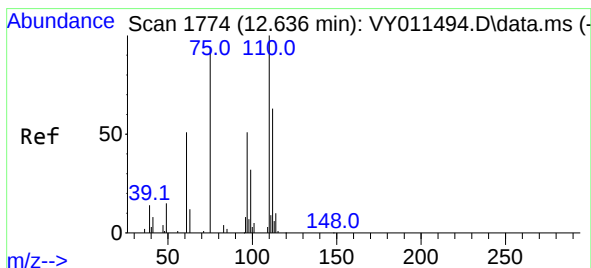
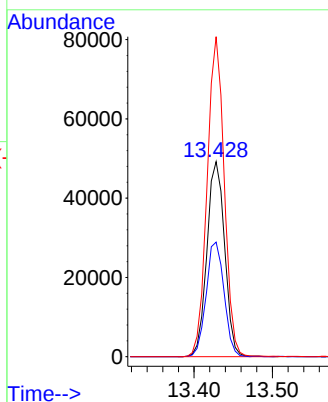
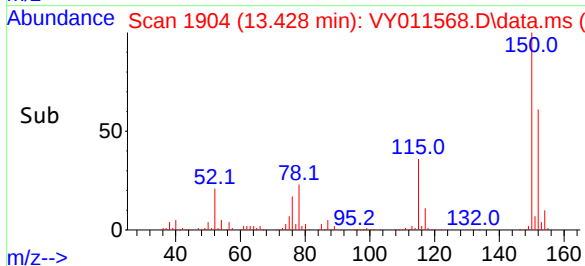


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011568.D
 Acq: 23 Nov 2022 12:27

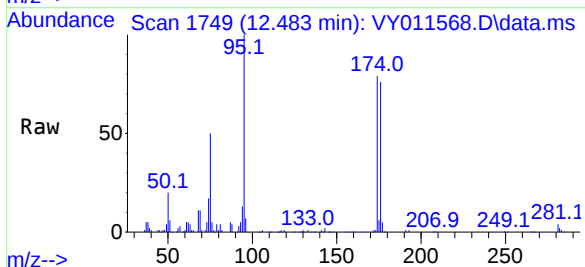
Instrument :
 MSVOA_Y
 ClientSampleId :



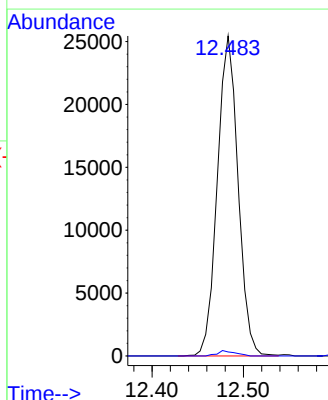
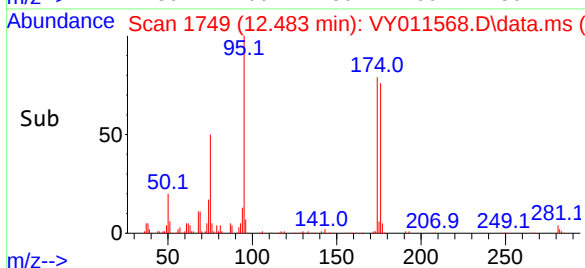
Tgt Ion:152 Resp: 77273
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.2 84.7
 150 158.2 0.0 347.6

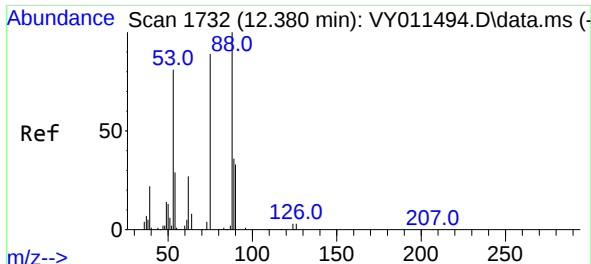


#76
 1,2,3-Trichloropropane
 Concen: 48.243 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011568.D
 Acq: 23 Nov 2022 12:27



Tgt Ion: 75 Resp: 40147
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

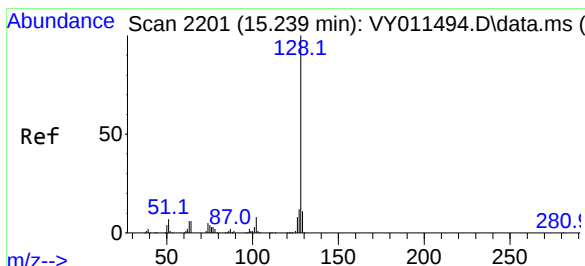
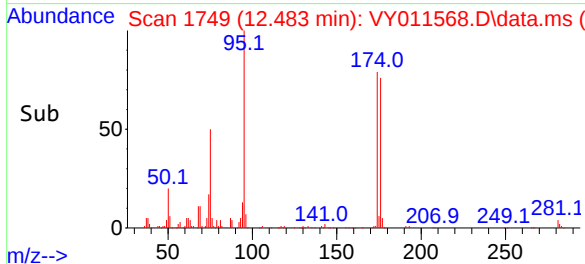
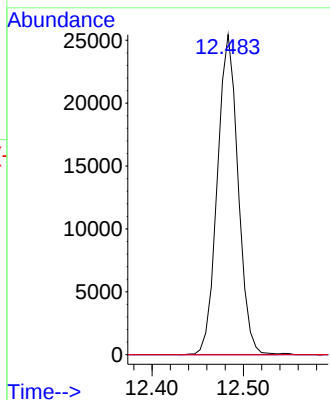
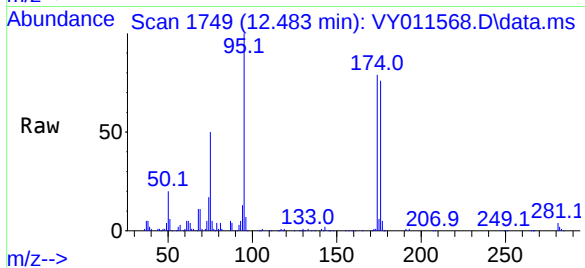




#81
trans-1,4-Dichloro-2-butene
Concen: 105.669 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 40147
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.228 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011568.D
Acq: 23 Nov 2022 12:27

Tgt Ion:128 Resp: 620
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

