

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011539.D
 Acq On : 22 Nov 2022 11:21
 Operator : KP/MD
 Sample : VY1122SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:06:07 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)

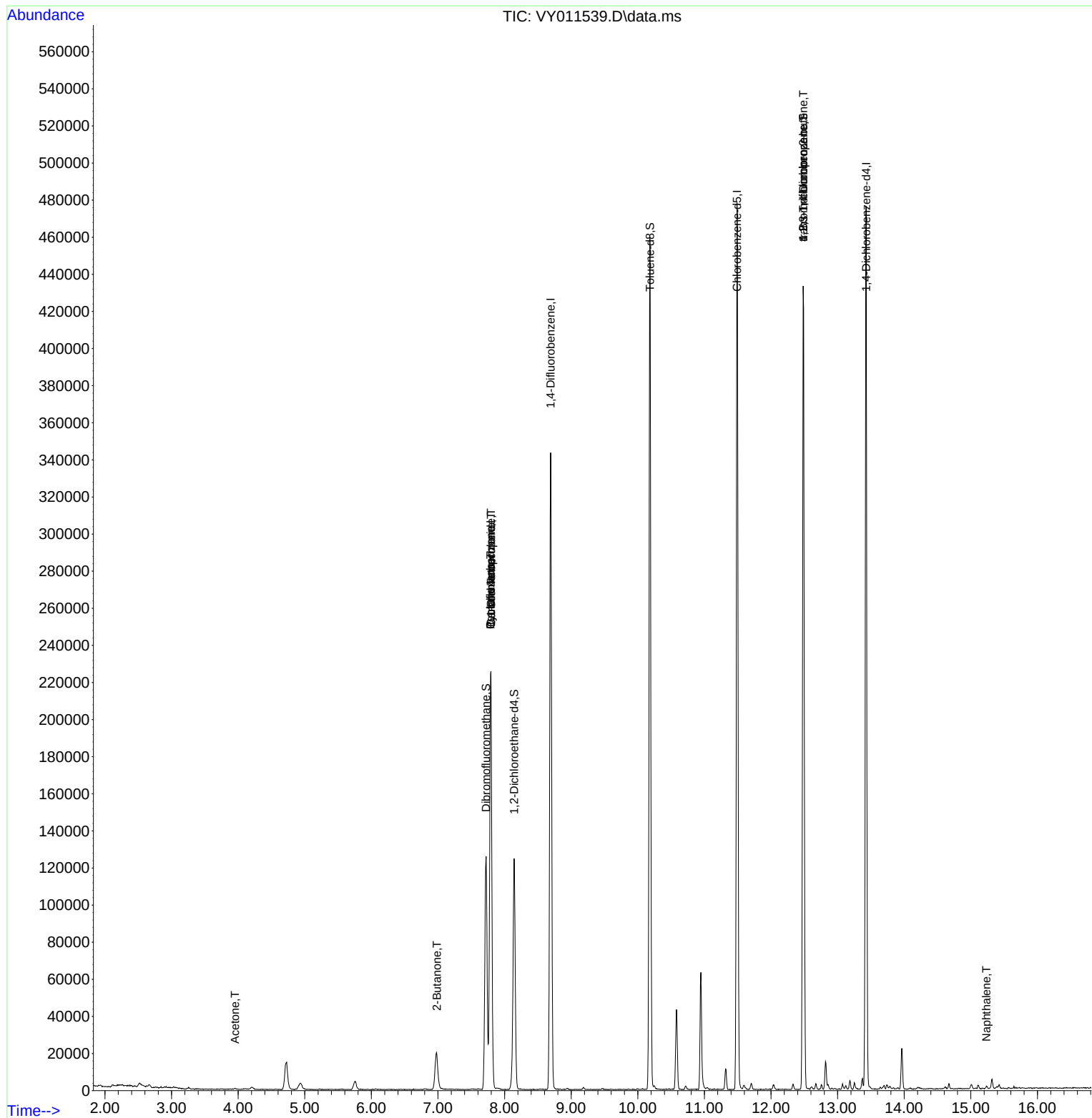
Internal Standards						
1) Pentafluorobenzene	7.789	168	172650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	92409	52.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.420%	
35) Dibromofluoromethane	7.722	113	89850	50.274	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.540%	
50) Toluene-d8	10.185	98	301660	46.448	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.900%	
62) 4-Bromofluorobenzene	12.483	95	105448	43.914	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	229	Below Cal		98
3) Chloromethane	2.125	50	364	Below Cal	#	88
5) Bromomethane	2.674	94	486	Below Cal		93
11) Tert butyl alcohol	4.936	59	3935	Below Cal	#	77
16) Acetone	3.954	43	823	1.445	ug/l	95
18) Methyl Acetate	4.741	43	115	Below Cal	#	56
20) Methylene Chloride	4.716	84	10319	Below Cal		89
25) 2-Butanone	6.984	43	1165	1.557	ug/l #	54
31) Cyclohexane	7.789	56	4262	1.467	ug/l #	4
36) 1,1-Dichloropropene	7.795	75	13891	4.972	ug/l #	51
38) Carbon Tetrachloride	7.795	117	17812	5.699	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	57790	46.136	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57790	101.054	ug/l #	8
95) Naphthalene	15.233	128	1347	4.321	ug/l #	88

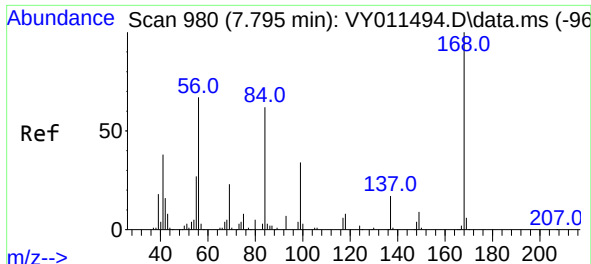
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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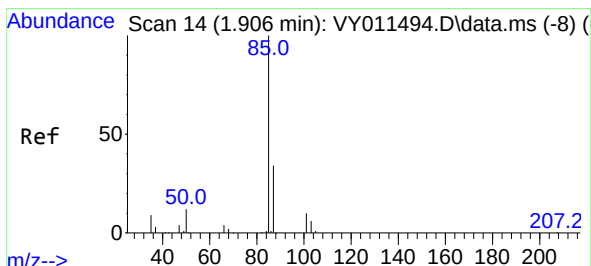
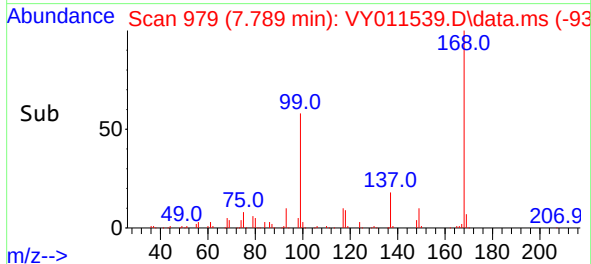
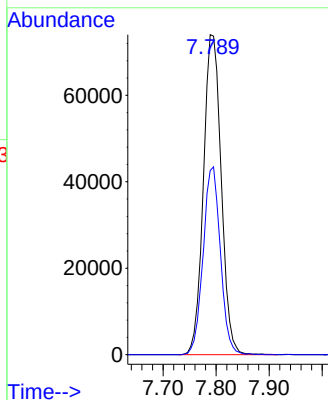
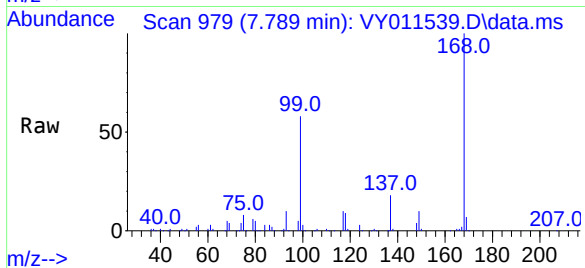




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

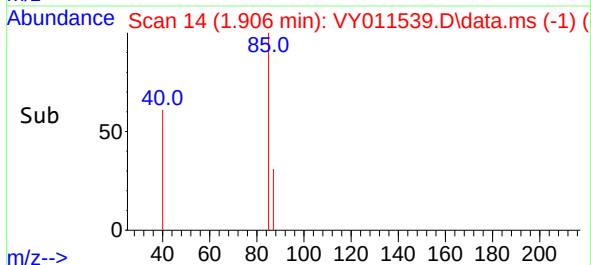
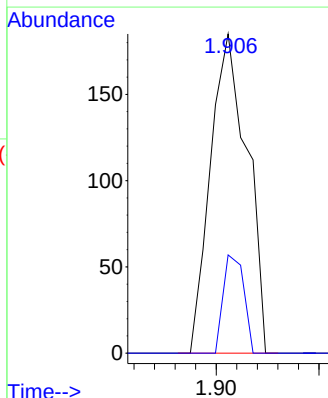
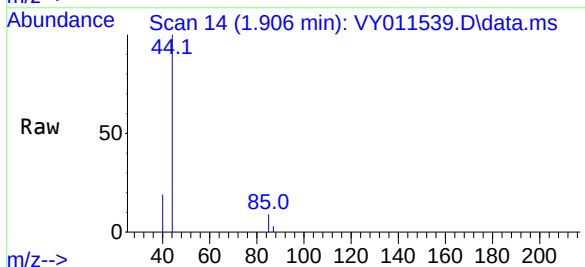
Instrument :
MSVOA_Y
ClientSampleId :

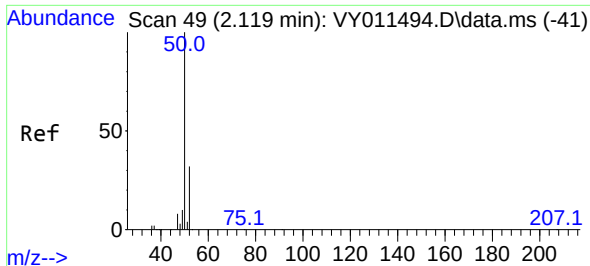
Tgt Ion:168 Resp: 172650
Ion Ratio Lower Upper
168 100
99 57.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion: 85 Resp: 229
Ion Ratio Lower Upper
85 100
87 30.8 16.1 48.2

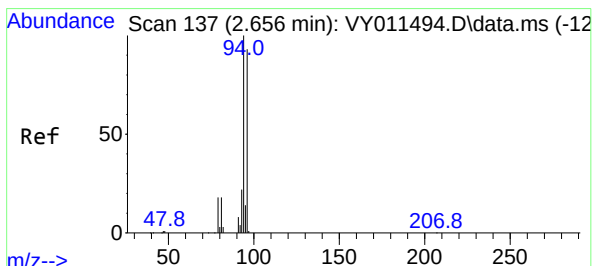
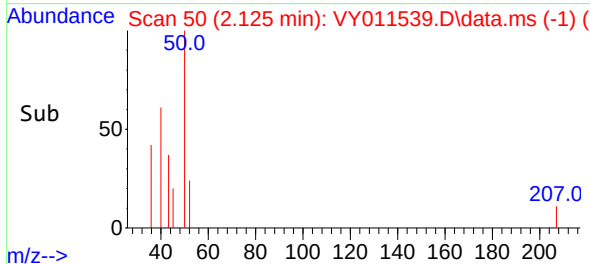
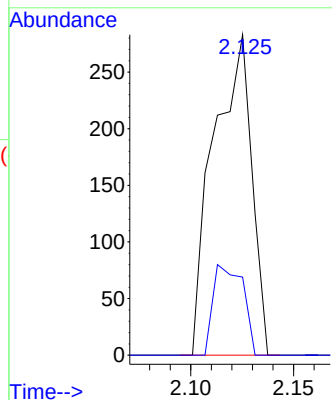
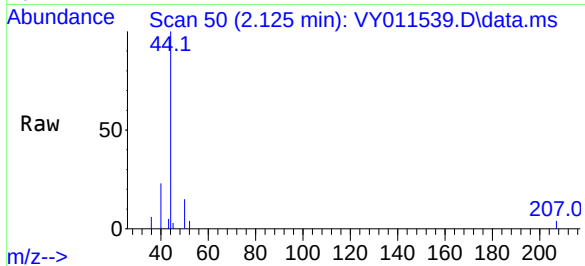




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

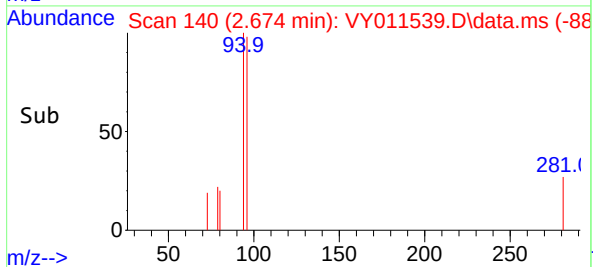
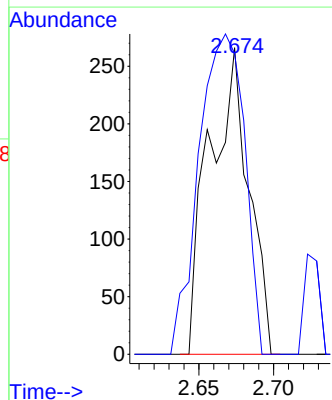
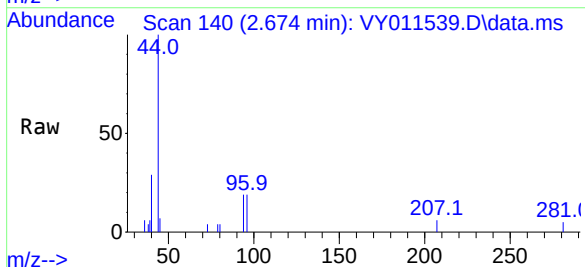
Instrument :
MSVOA_Y
ClientSampleId :

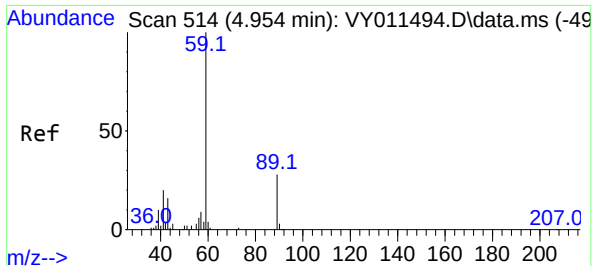
Tgt Ion: 50 Resp: 364
Ion Ratio Lower Upper
50 100
52 24.4 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 98.1 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.018 min

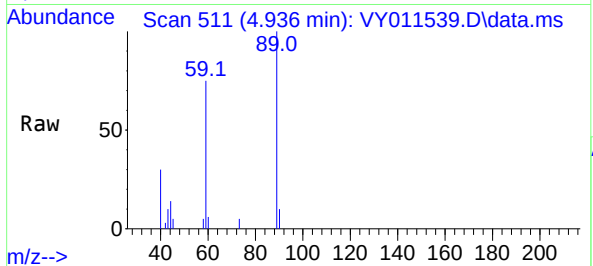
Lab File: VY011539.D

Acq: 22 Nov 2022 11:21

Instrument :

MSVOA_Y

ClientSampleId :

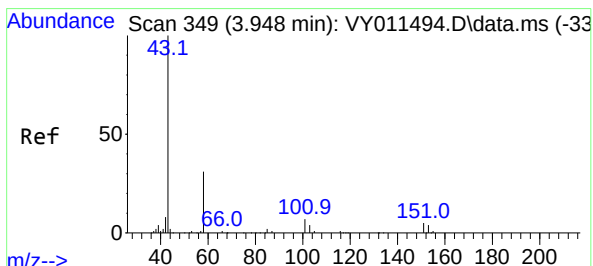
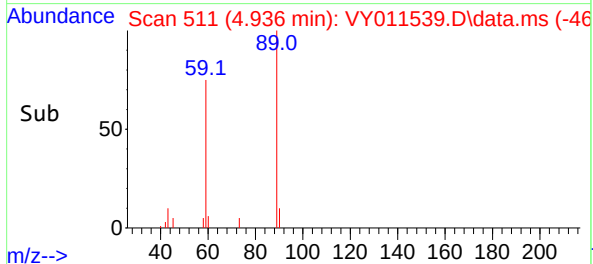
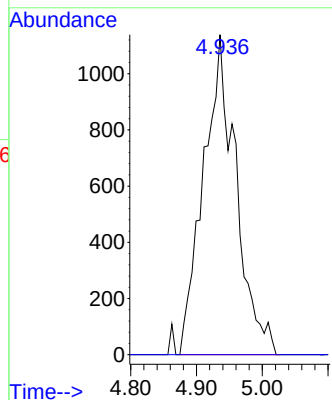


Tgt Ion: 59 Resp: 3935

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.445 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011539.D

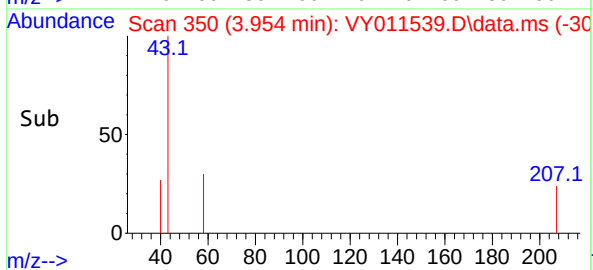
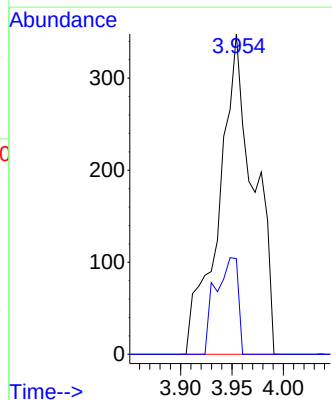
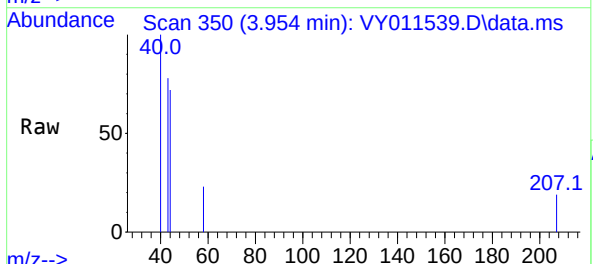
Acq: 22 Nov 2022 11:21

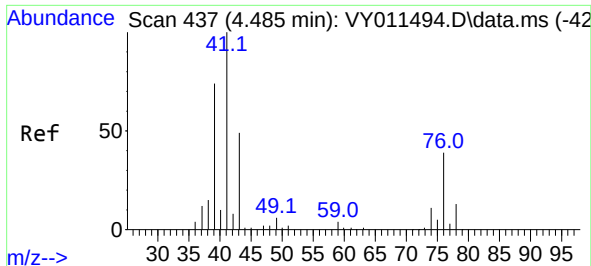
Tgt Ion: 43 Resp: 823

Ion Ratio Lower Upper

43 100

58 29.9 22.0 33.0

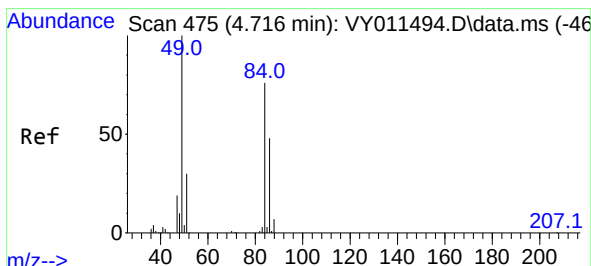
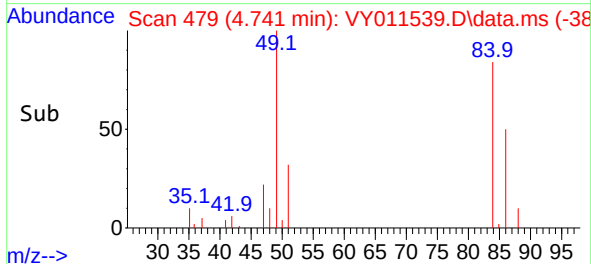
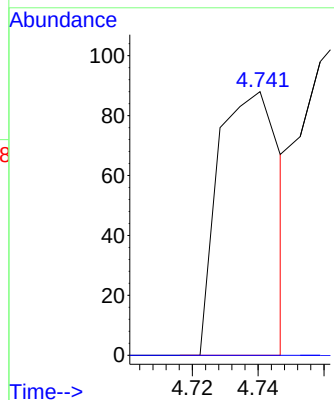
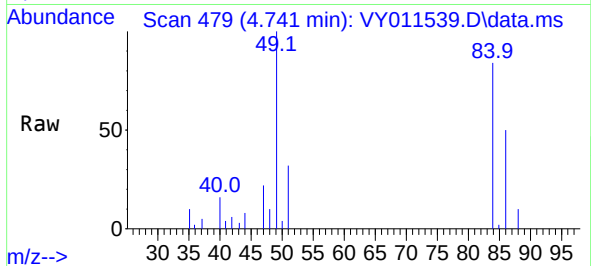




#18
Methyl Acetate
Concen: Below Cal
RT: 4.741 min Scan# 41
Delta R.T. 0.256 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

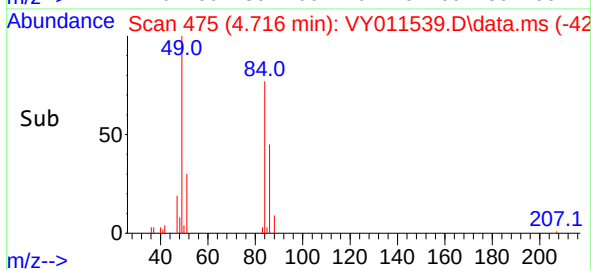
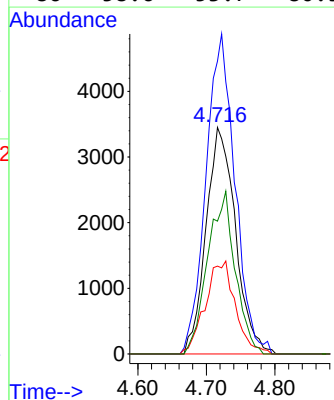
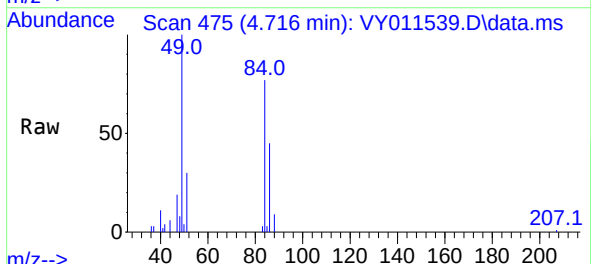
Instrument :
MSVOA_Y
ClientSampleId :

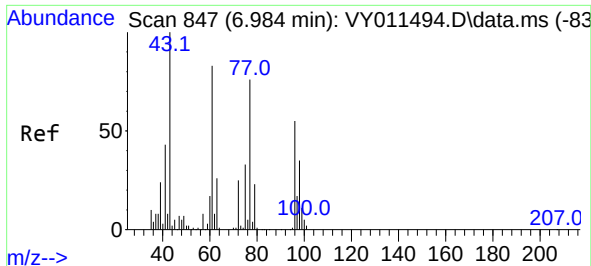
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion: 84 Resp: 10319
Ion Ratio Lower Upper
84 100
49 129.2 114.4 171.6
51 38.8 35.3 52.9
86 58.6 53.7 80.5





#25

2-Butanone

Concen: 1.557 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011539.D

Acq: 22 Nov 2022 11:21

Instrument :

MSVOA_Y

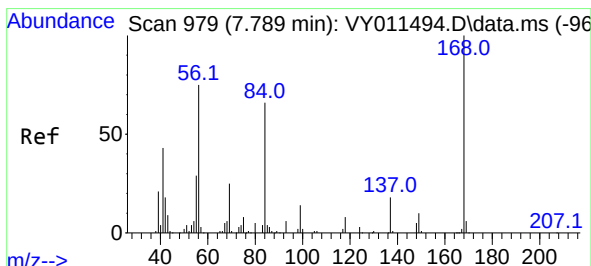
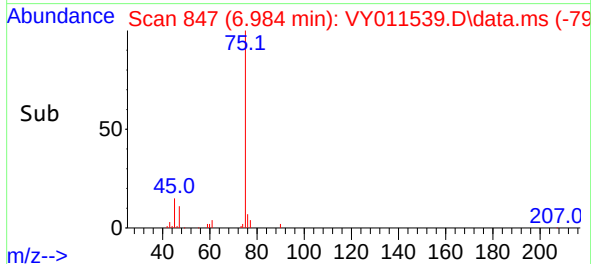
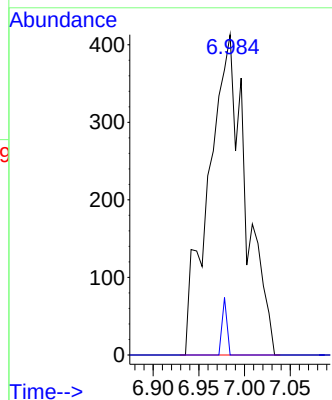
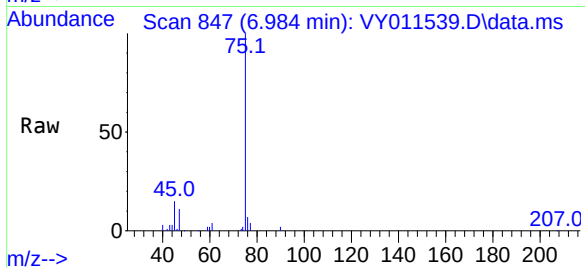
ClientSampleId :

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.467 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011539.D

Acq: 22 Nov 2022 11:21

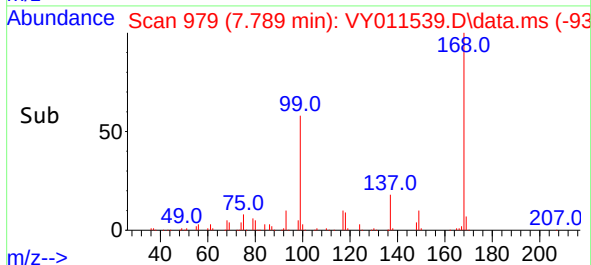
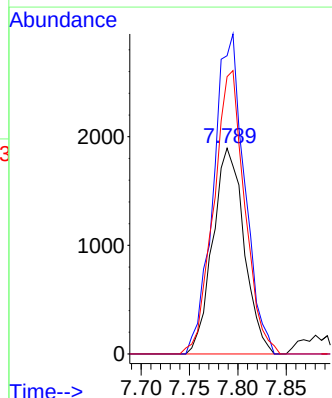
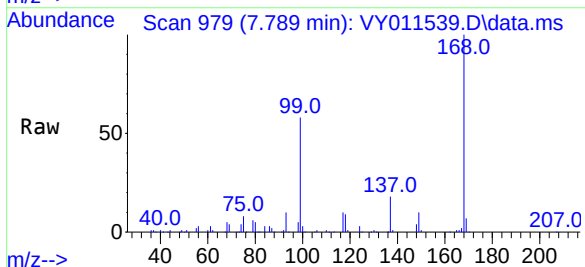
Tgt Ion: 56 Resp: 4262

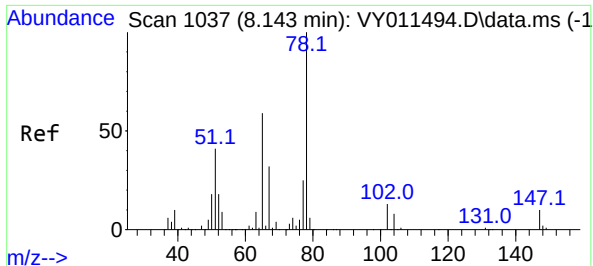
Ion Ratio Lower Upper

56 100

69 144.9 26.7 40.1#

84 134.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 52.712 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011539.D

Acq: 22 Nov 2022 11:21

Instrument :

MSVOA_Y

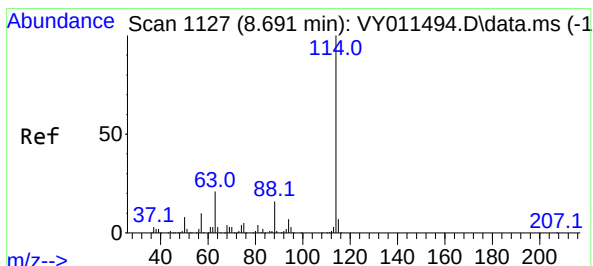
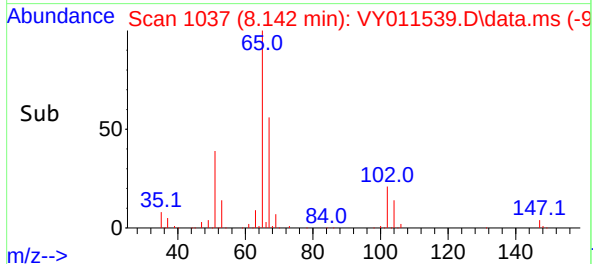
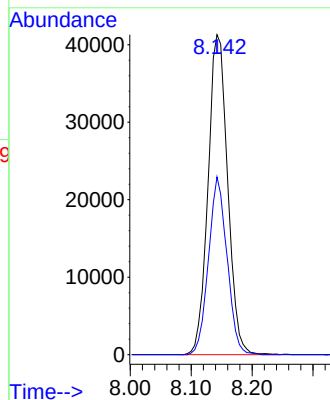
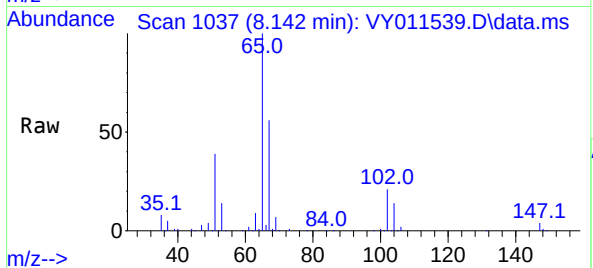
ClientSampleId :

Tgt Ion: 65 Resp: 92409

Ion Ratio Lower Upper

65 100

67 52.5 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: VY011539.D

Acq: 22 Nov 2022 11:21

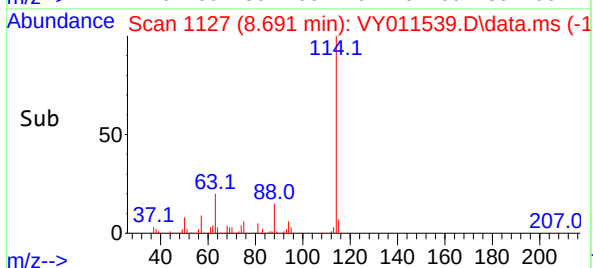
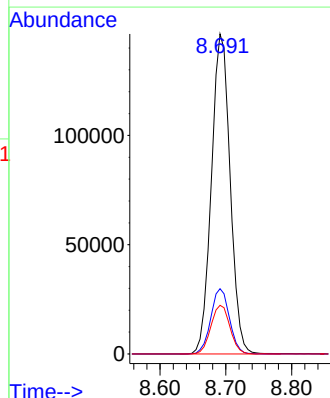
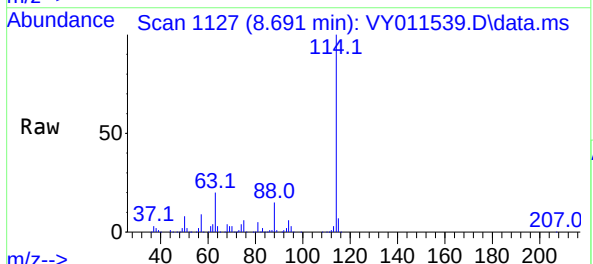
Tgt Ion:114 Resp: 290322

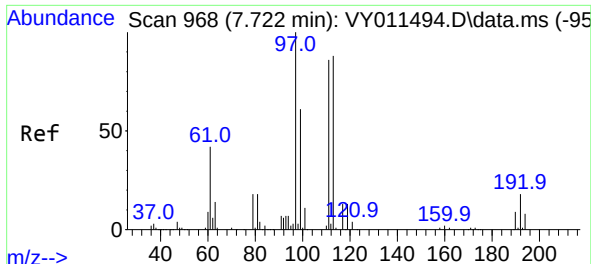
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

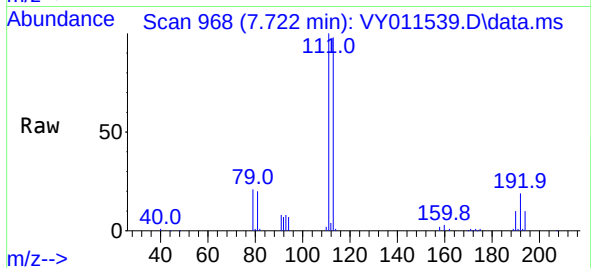
88 15.2 0.0 31.8



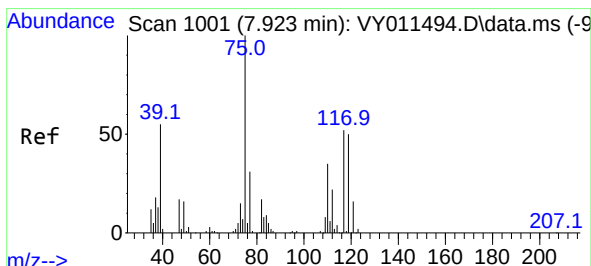
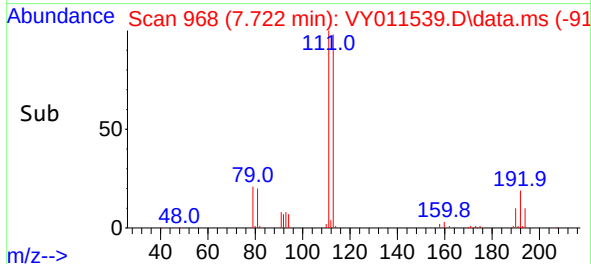
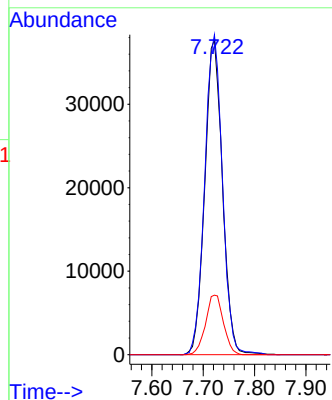


#35
Dibromofluoromethane
Concen: 50.274 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Instrument :
MSVOA_Y
ClientSampleId :

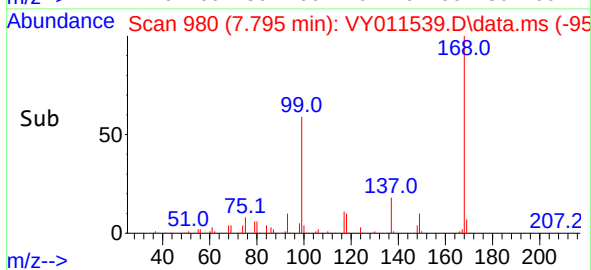
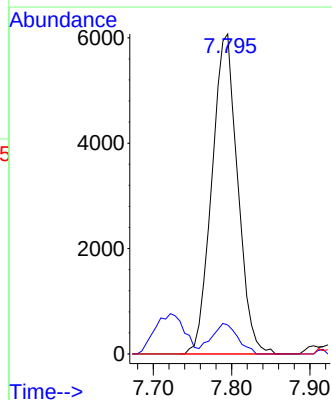
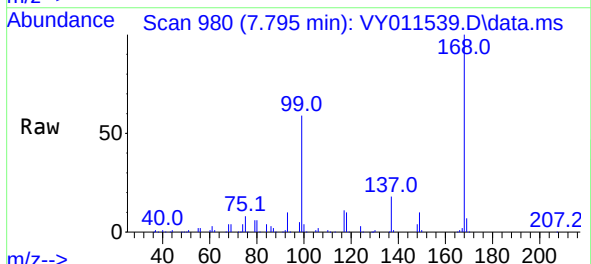


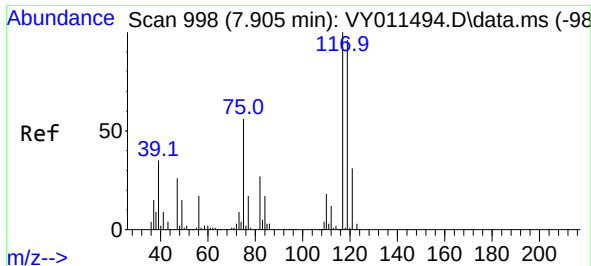
Tgt Ion:113 Resp: 89850
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.972 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

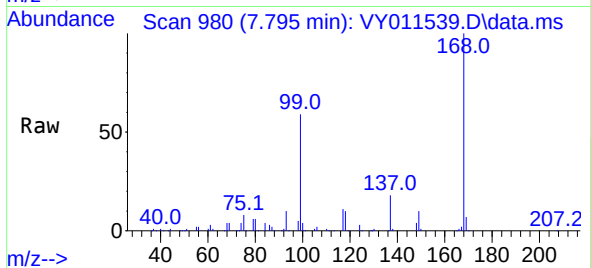
Tgt Ion: 75 Resp: 13891
Ion Ratio Lower Upper
75 100
110 9.5 17.1 51.2#
77 0.0 24.4 36.6#



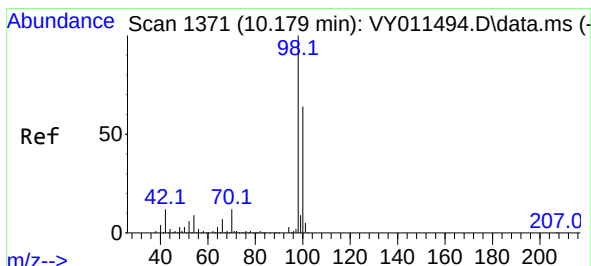
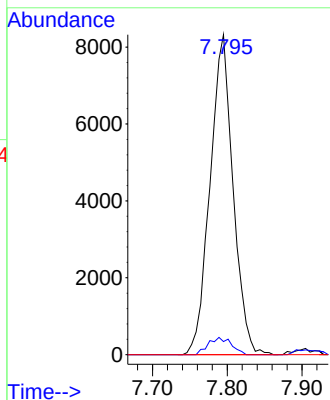
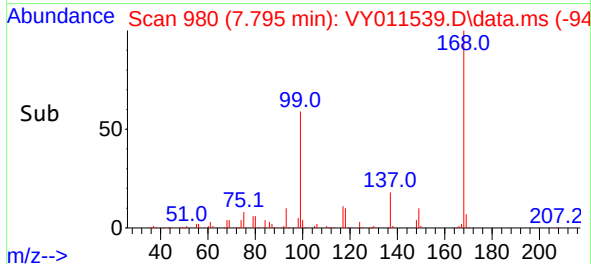


#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Instrument :
MSVOA_Y
ClientSampleId :

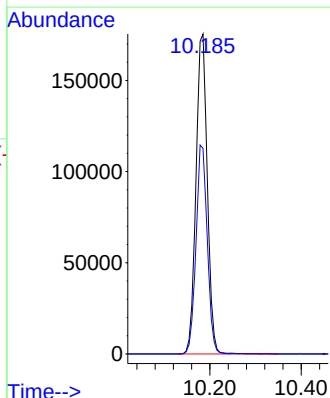
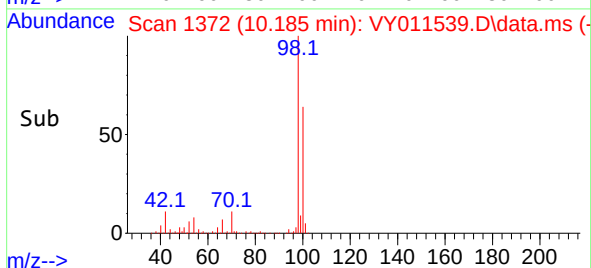
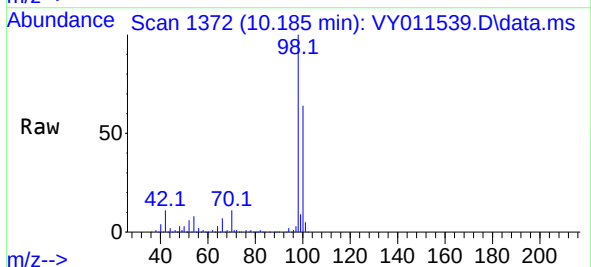


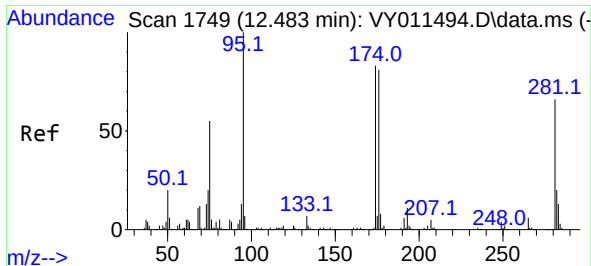
Tgt Ion:117 Resp: 17812
Ion Ratio Lower Upper
117 100
119 4.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.448 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion: 98 Resp: 301660
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

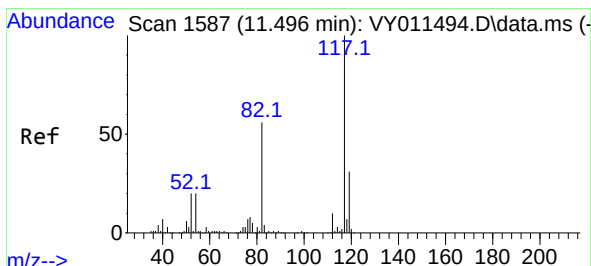
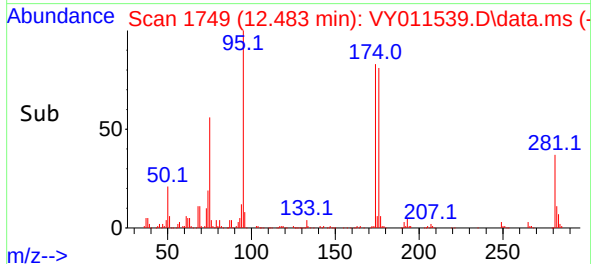
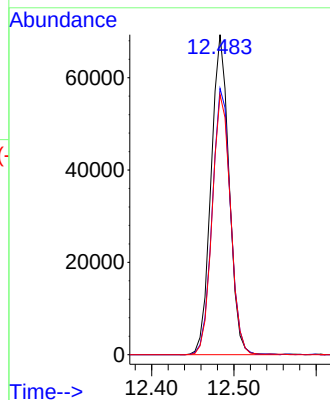
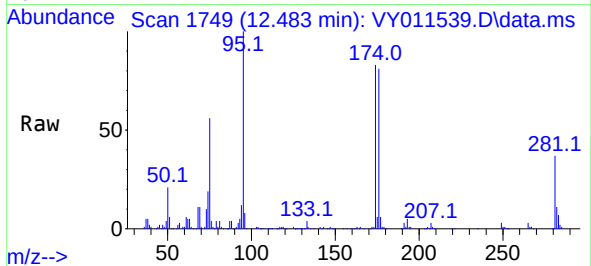




#62
4-Bromofluorobenzene
Concen: 43.914 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

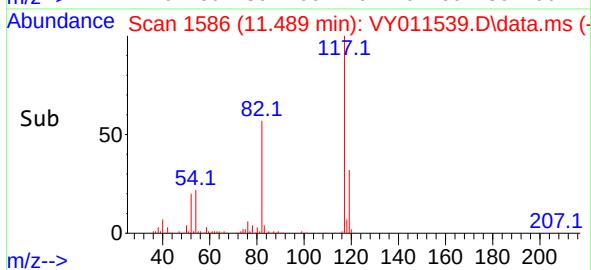
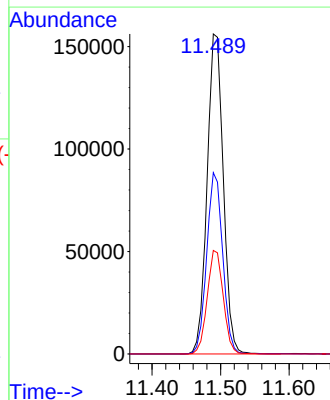
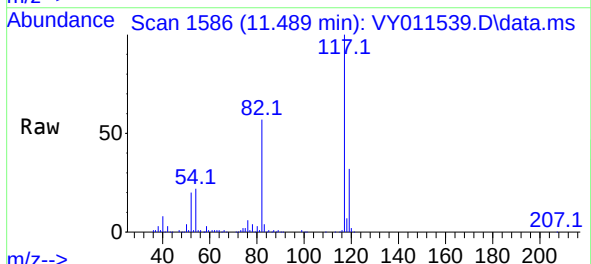
Instrument :
MSVOA_Y
ClientSampleId :

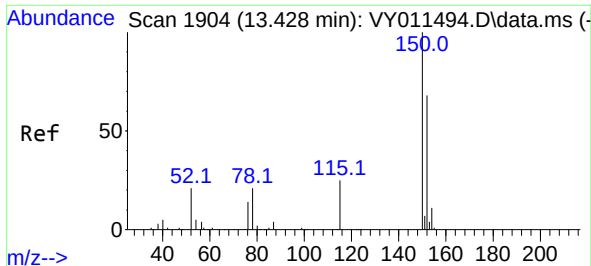
Tgt Ion: 95 Resp: 105448
Ion Ratio Lower Upper
95 100
174 84.2 0.0 177.0
176 82.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

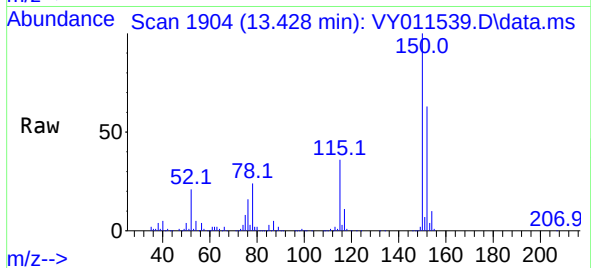
Tgt Ion:117 Resp: 257256
Ion Ratio Lower Upper
117 100
82 56.6 43.0 64.4
119 32.4 25.4 38.0



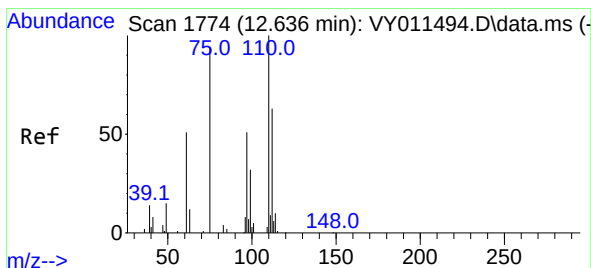
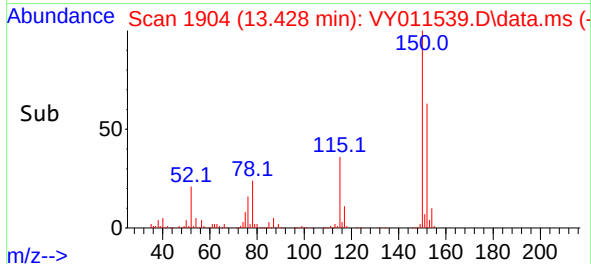
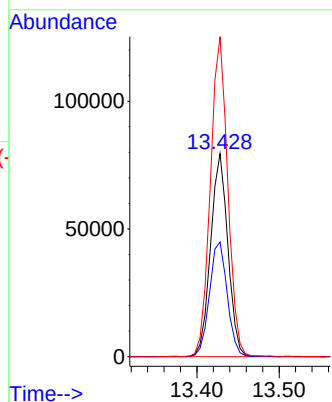


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Instrument :
MSVOA_Y
ClientSampleId :

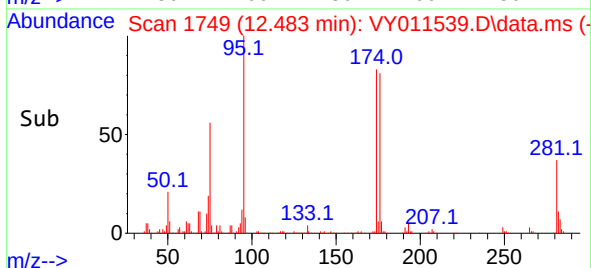
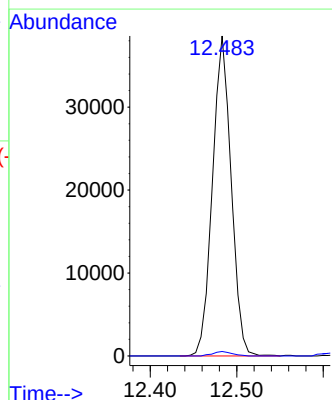
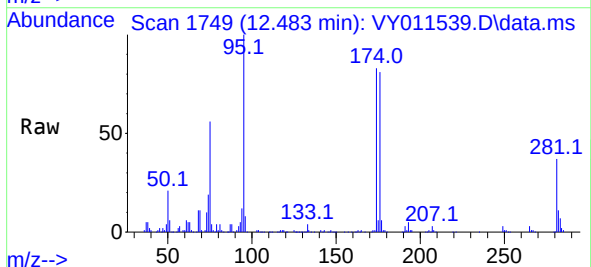


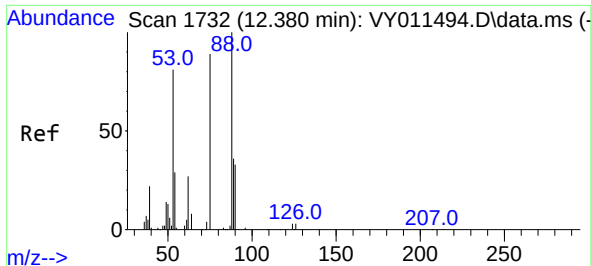
Tgt Ion:152 Resp: 116311
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.136 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion: 75 Resp: 57790
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

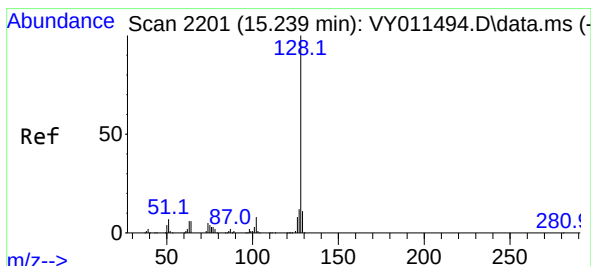
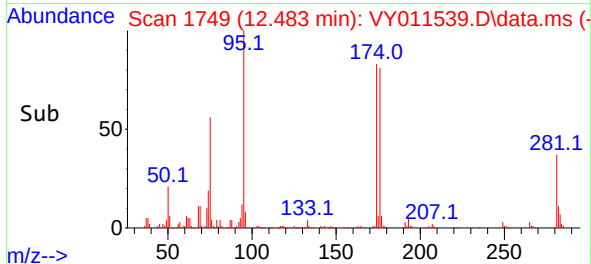
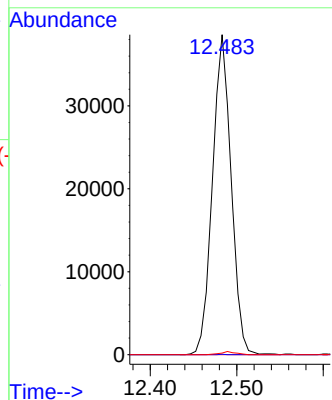
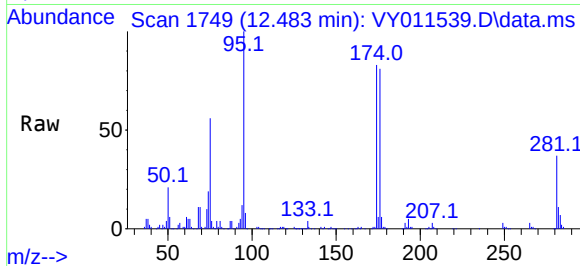




#81
trans-1,4-Dichloro-2-butene
Concen: 101.054 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57790
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.8 37.0 55.4#



#95
Naphthalene
Concen: 4.321 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY011539.D
Acq: 22 Nov 2022 11:21

Tgt Ion:128 Resp: 1347
Ion Ratio Lower Upper
128 100
127 7.3 11.0 16.4#
129 8.2 8.4 12.6#

