

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120222\
 Data File : VY011684.D
 Acq On : 02 Dec 2022 15:35
 Operator : KP/MD
 Sample : N5868-01
 Misc : 3.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 02 23:53:21 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)

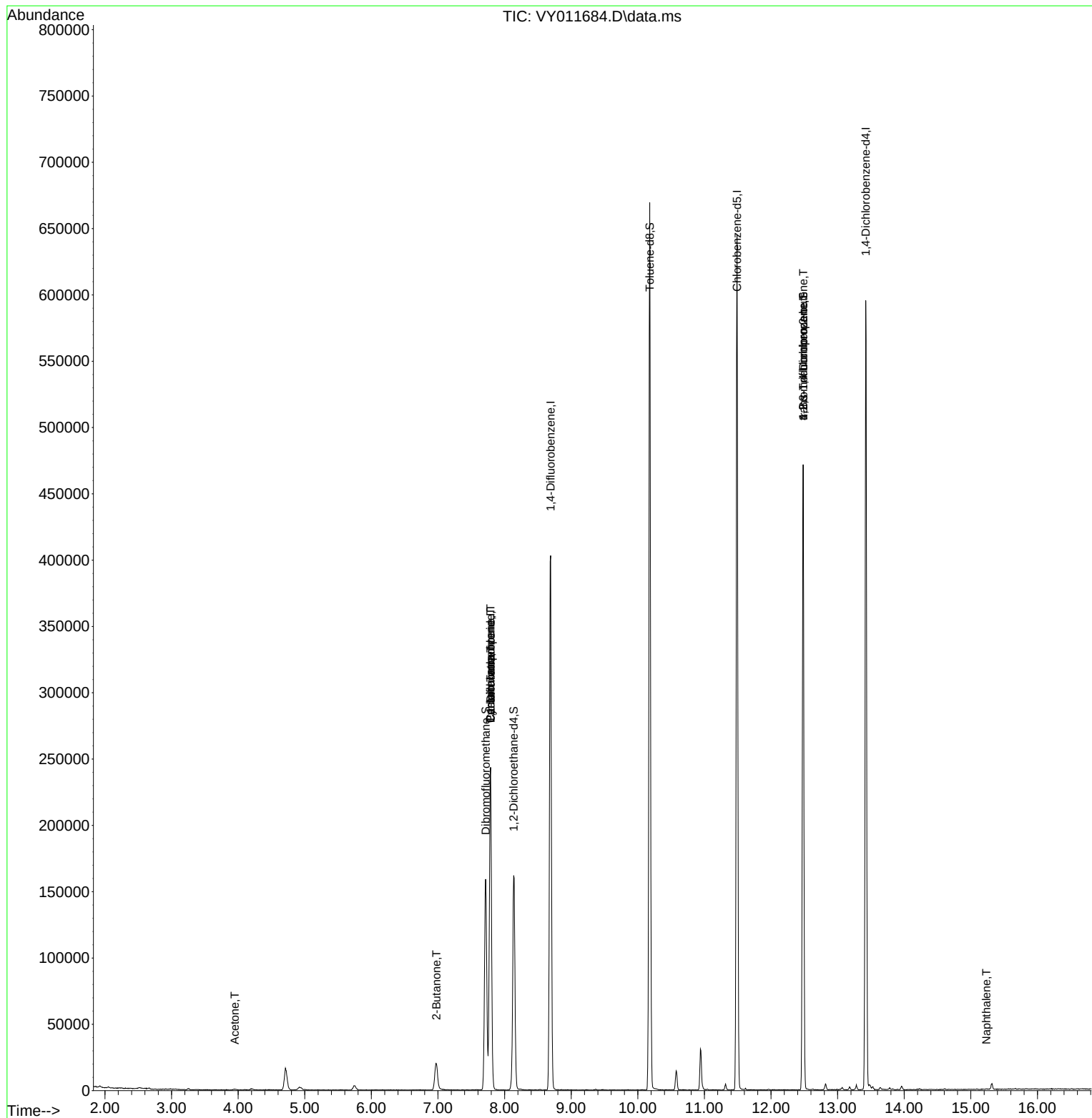
Internal Standards						
1) Pentafluorobenzene	7.789	168	185001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	338661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	151250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127641	67.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.900%
35) Dibromofluoromethane	7.716	113	110893	52.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.940%
50) Toluene-d8	10.179	98	419504	55.146	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.300%
62) 4-Bromofluorobenzene	12.483	95	137115	48.750	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	108	Below Cal	#	43
3) Chloromethane	2.113	50	209	Below Cal	#	44
5) Bromomethane	2.656	94	160	Below Cal		91
11) Tert butyl alcohol	4.924	59	2792	Below Cal	#	77
16) Acetone	3.948	43	1089	1.785	ug/l #	54
18) Methyl Acetate	4.472	43	374	Below Cal	#	56
20) Methylene Chloride	4.716	84	11532	Below Cal	#	82
25) 2-Butanone	6.978	43	1448	1.806	ug/l #	54
31) Cyclohexane	7.789	56	3773	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14824	4.530	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18826	5.142	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	74104	45.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74104	99.648	ug/l #	7
95) Naphthalene	15.233	128	244	4.062	ug/l #	69

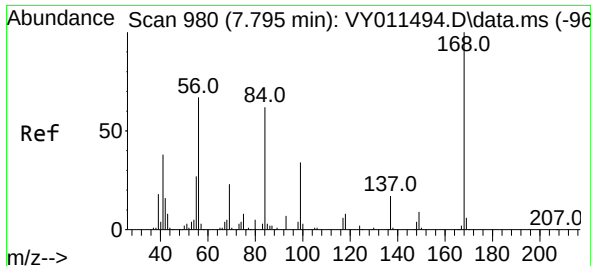
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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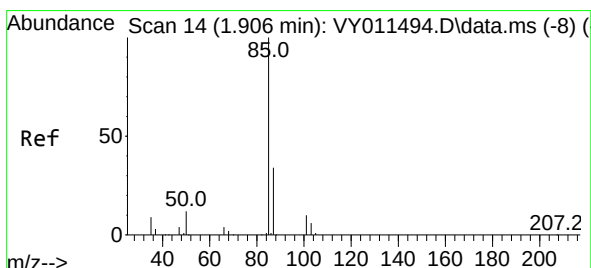
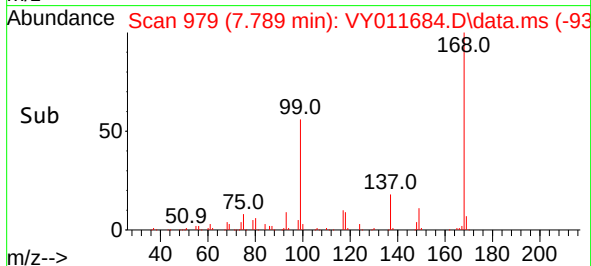
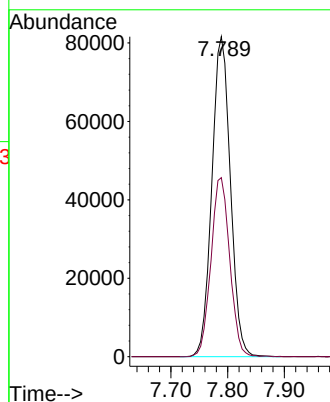
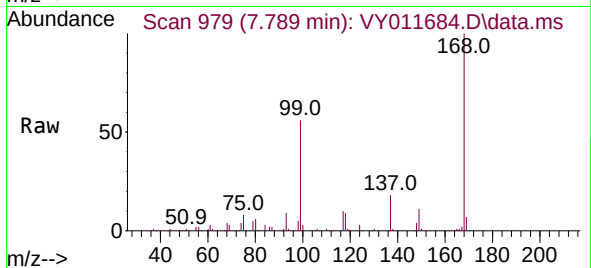




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

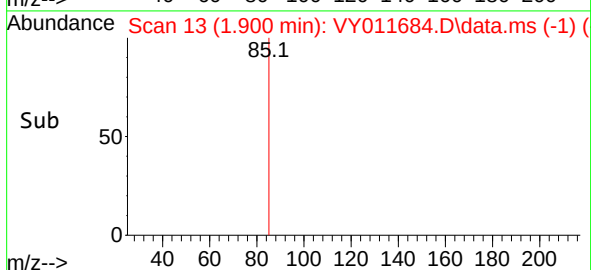
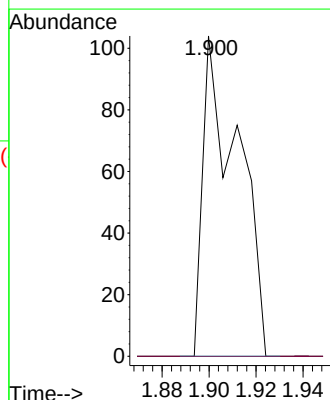
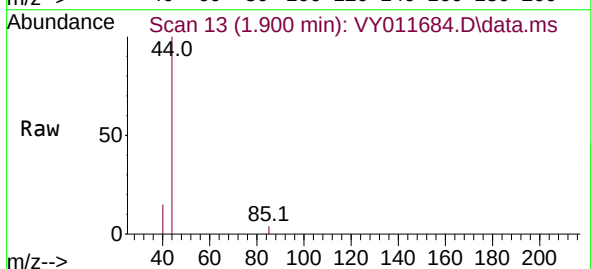
Instrument :
MSVOA_Y
ClientSampleId :

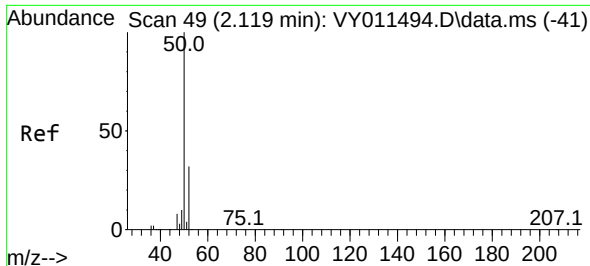
Tgt Ion:168 Resp: 185001
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

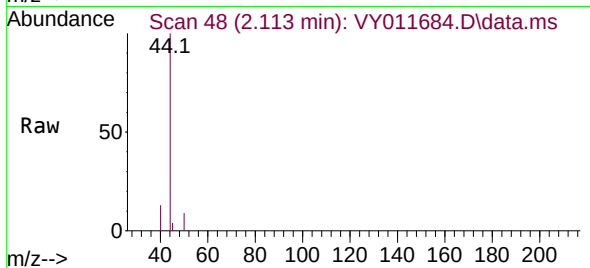
Tgt Ion: 85 Resp: 108
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



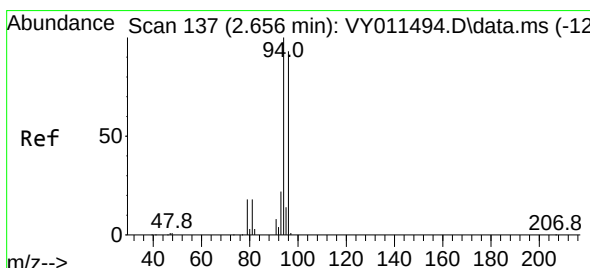
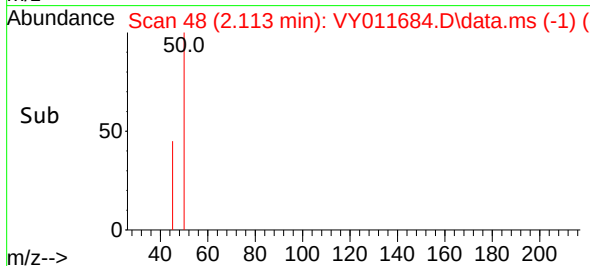
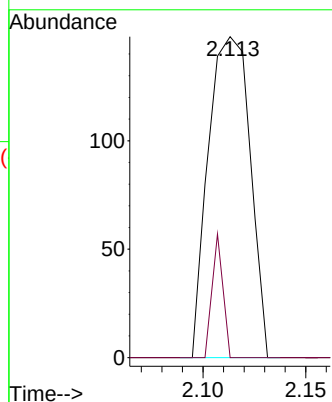


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :

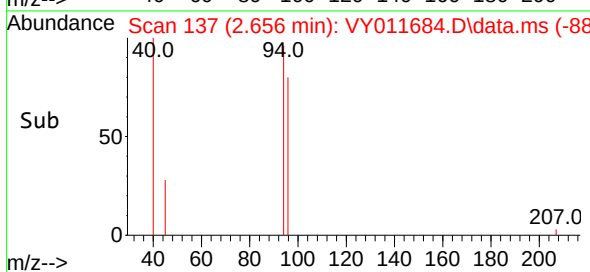
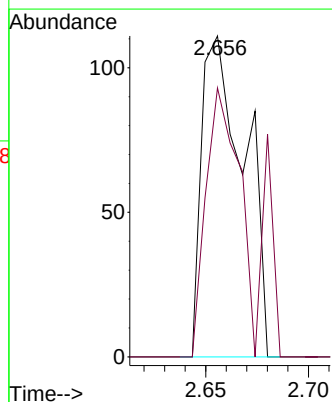
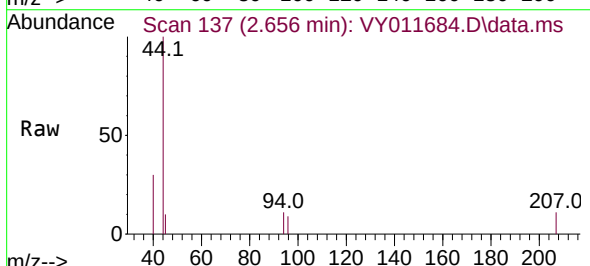


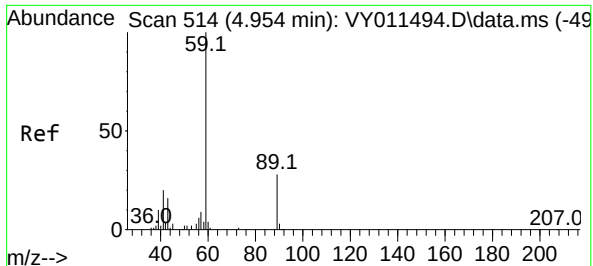
Tgt Ion: 50 Resp: 209
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

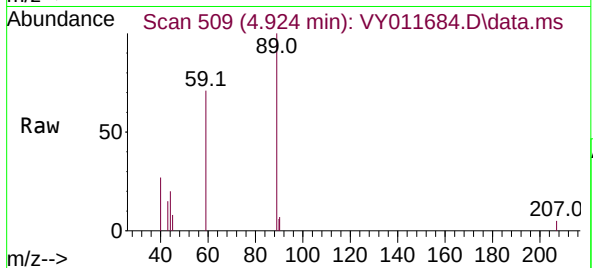
Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 83.8 73.5 110.3



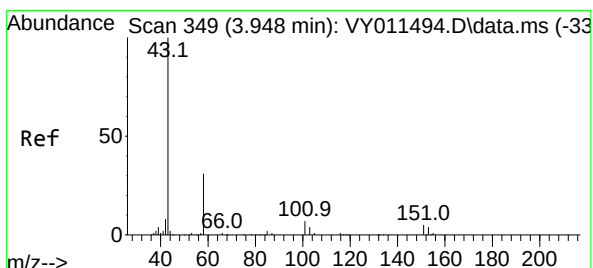
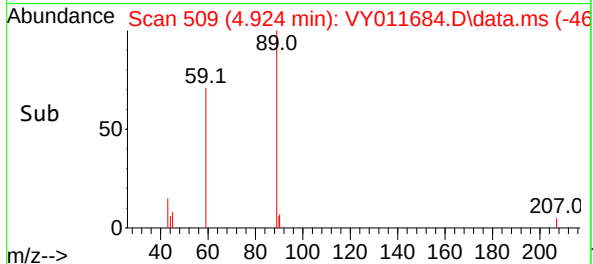
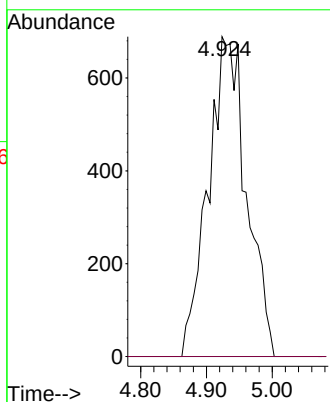


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :

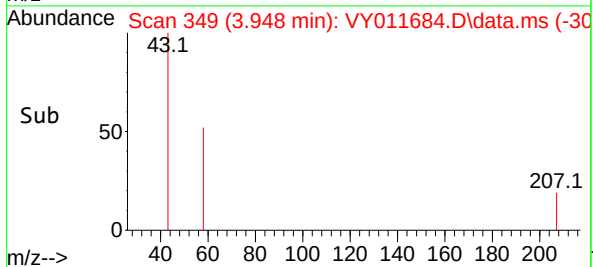
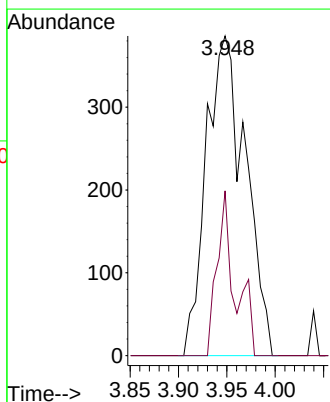
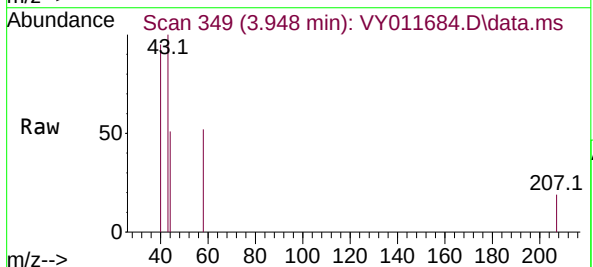


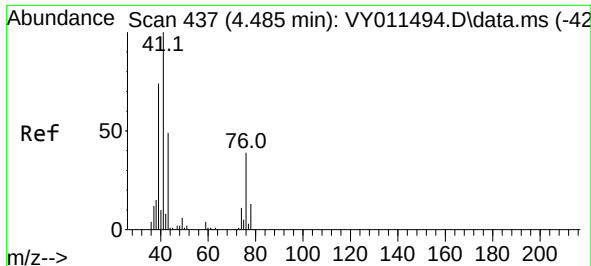
Tgt Ion: 59 Resp: 2792
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.785 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

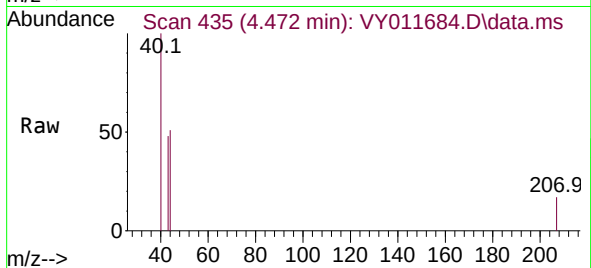
Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 51.6 22.0 33.0#



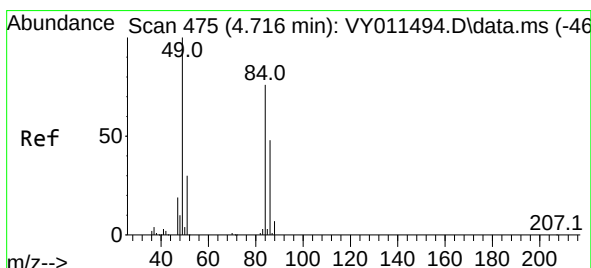
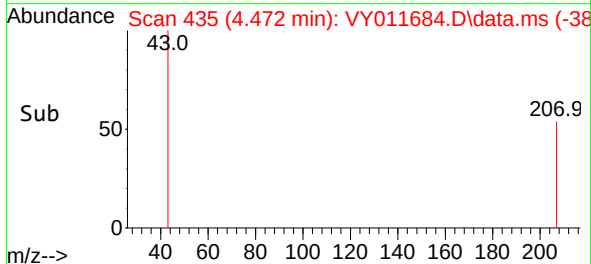
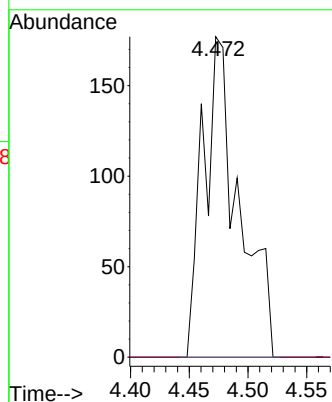


#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :

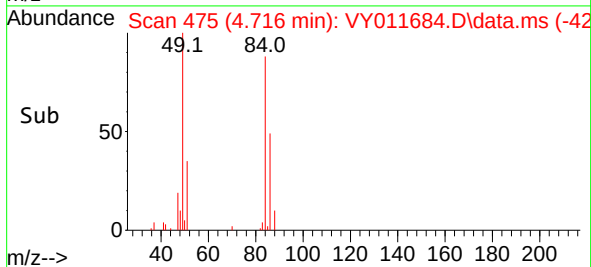
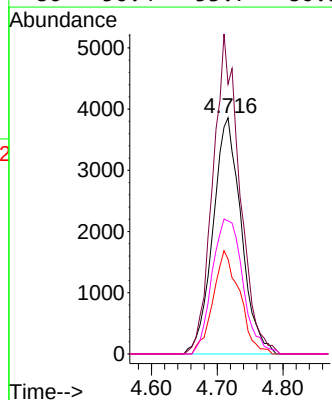
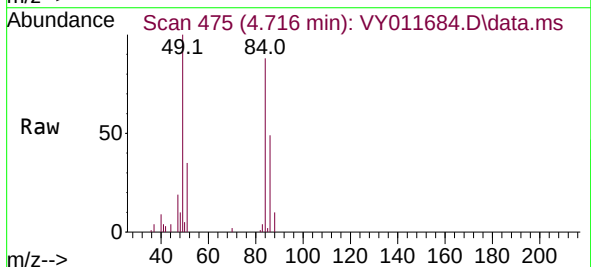


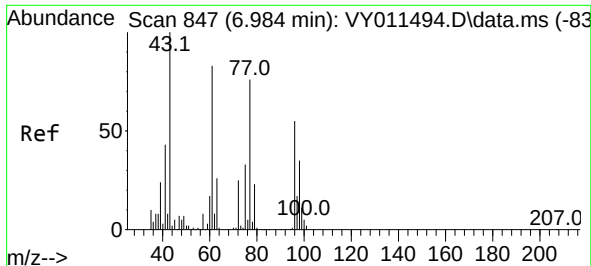
Tgt Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Tgt Ion: 84 Resp: 11532
Ion Ratio Lower Upper
84 100
49 114.3 114.4 171.6#
51 40.2 35.3 52.9
86 56.4 53.7 80.5

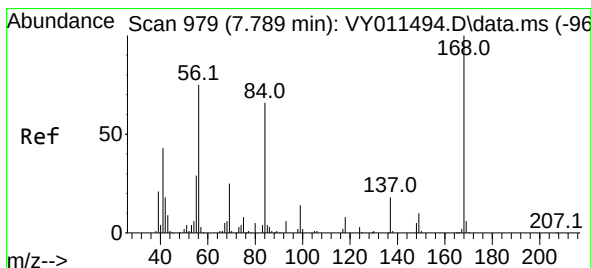
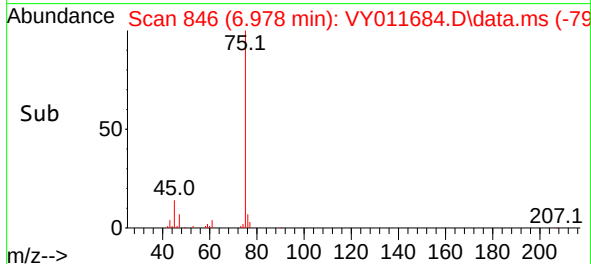
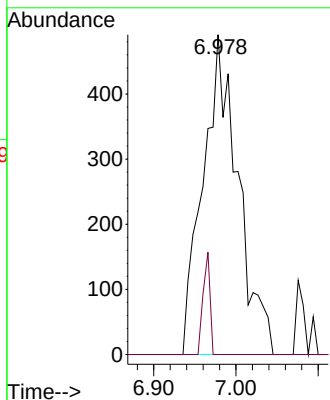
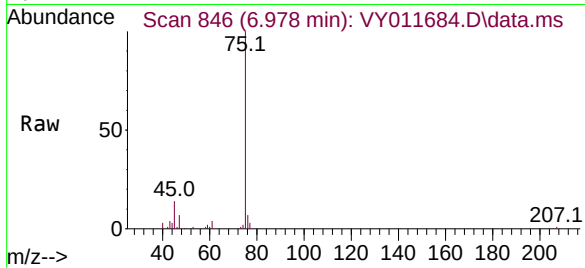




#25
2-Butanone
Concen: 1.806 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

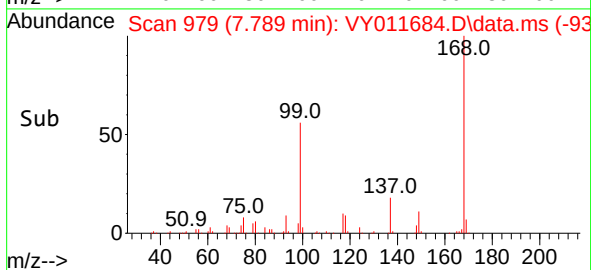
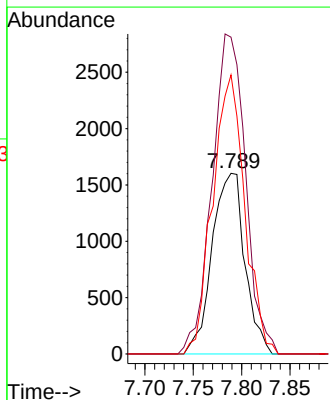
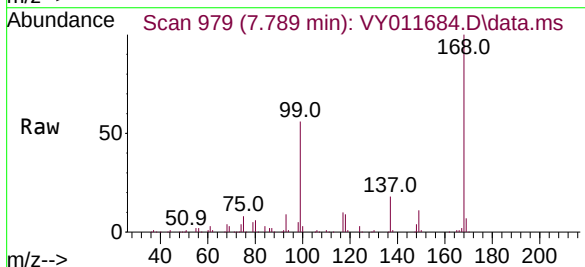
Instrument :
MSVOA_Y
ClientSampleId :

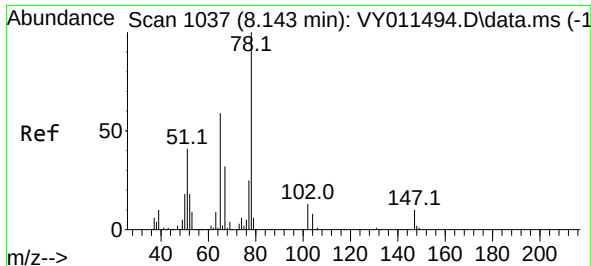
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Tgt Ion: 56 Resp: 3773
Ion Ratio Lower Upper
56 100
69 175.3 26.7 40.1#
84 154.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 67.949 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY011684.D

Acq: 02 Dec 2022 15:35

Instrument :

MSVOA_Y

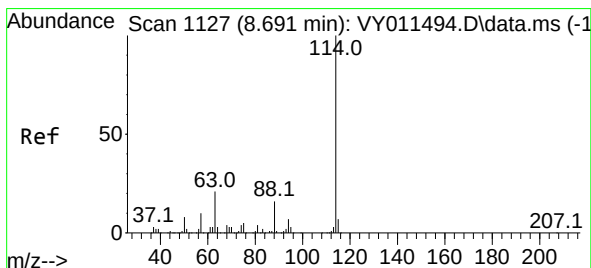
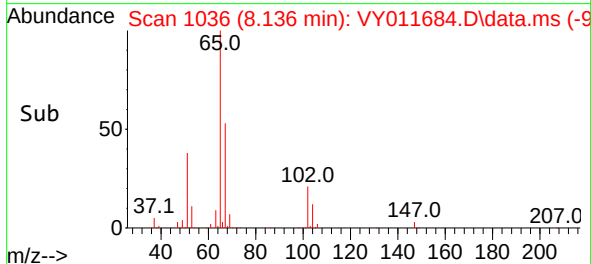
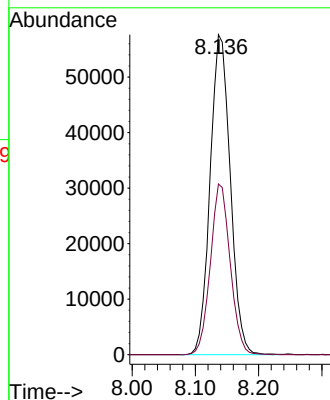
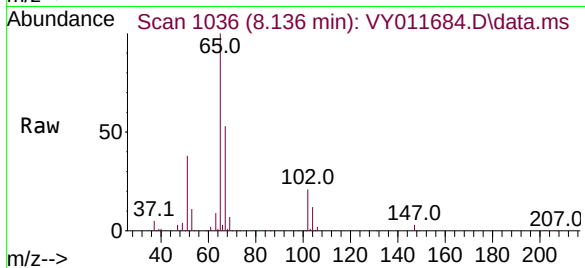
ClientSampleId :

Tgt Ion: 65 Resp: 127641

Ion Ratio Lower Upper

65 100

67 52.3 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: VY011684.D

Acq: 02 Dec 2022 15:35

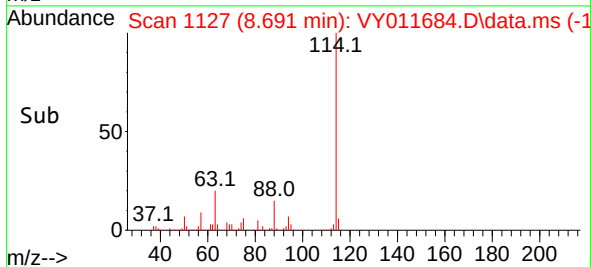
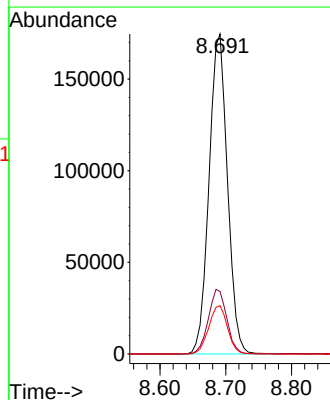
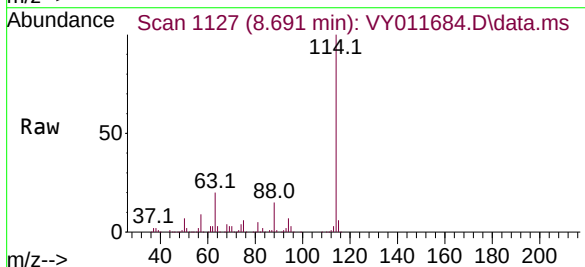
Tgt Ion: 114 Resp: 340060

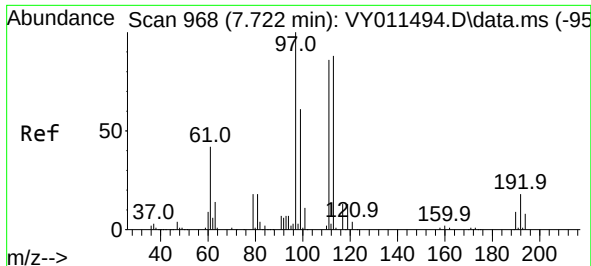
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

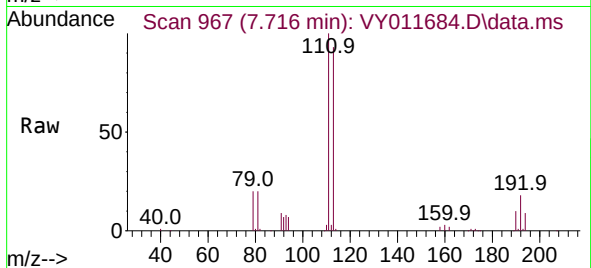
88 15.1 0.0 31.8



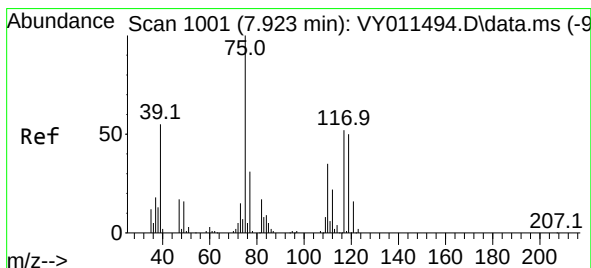
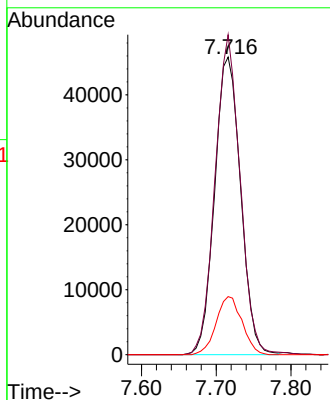
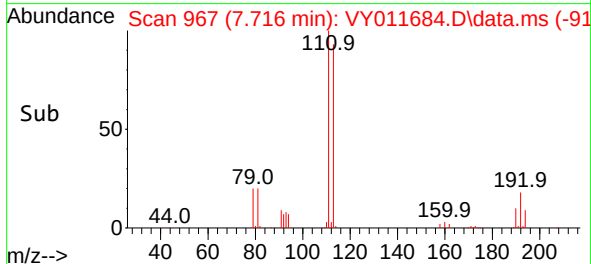


#35
Dibromofluoromethane
Concen: 52.973 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

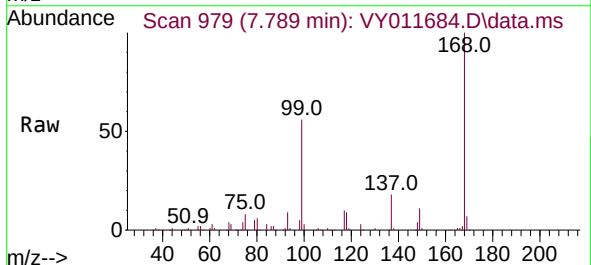
Instrument :
MSVOA_Y
ClientSampleId :



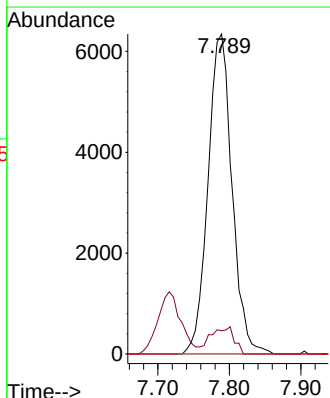
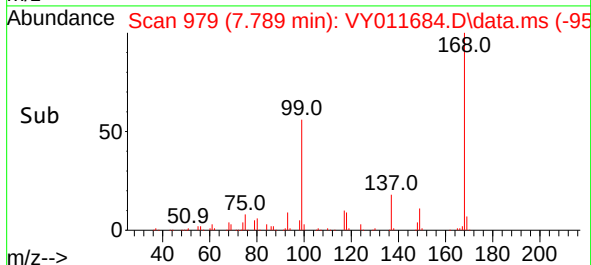
Tgt Ion:113 Resp: 110893
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 19.4 17.6 26.4

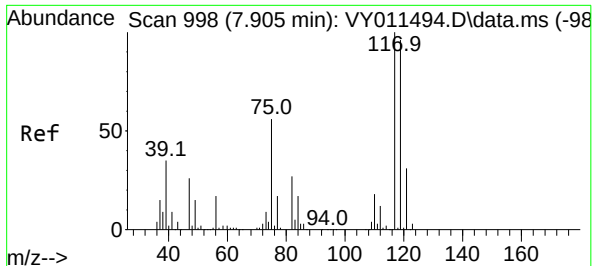


#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35



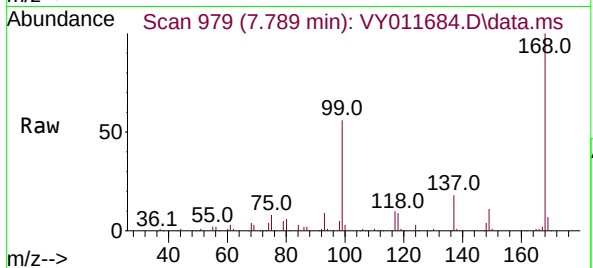
Tgt Ion: 75 Resp: 14824
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



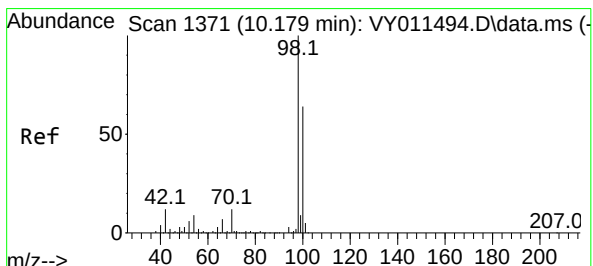
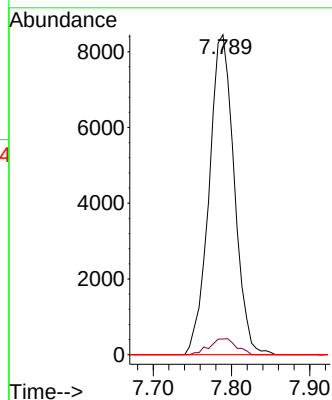
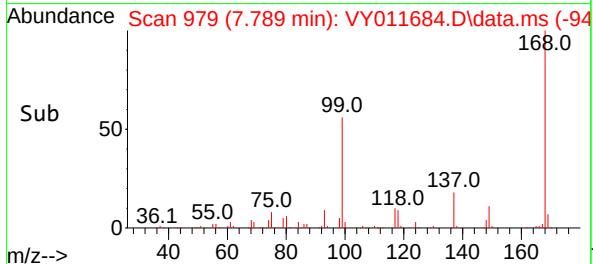


#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Instrument :
MSVOA_Y
ClientSampleId :

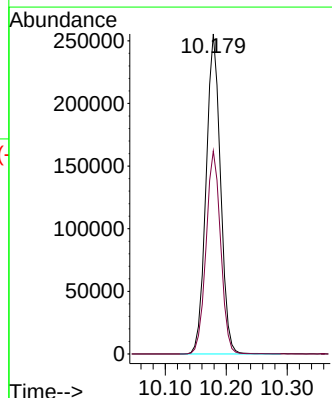
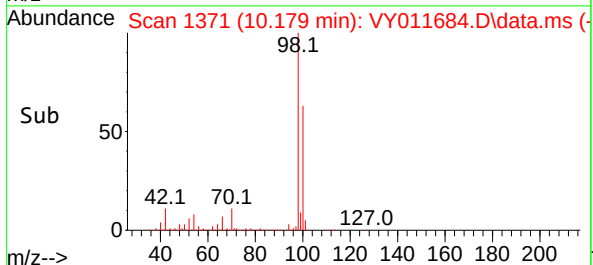
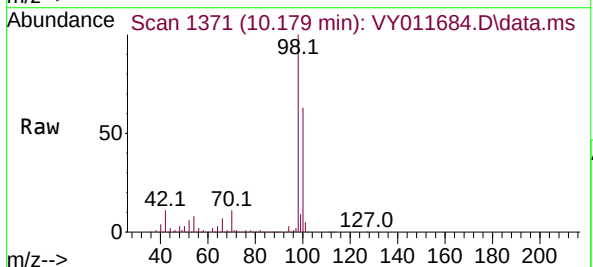


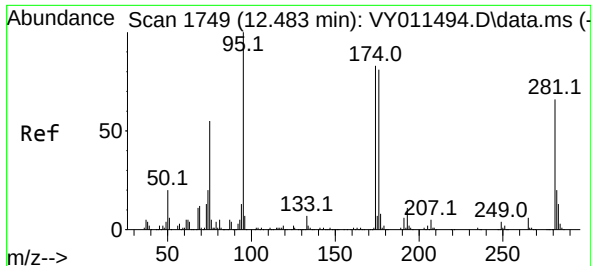
Tgt Ion:117 Resp: 18826
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.146 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

Tgt Ion: 98 Resp: 419504
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

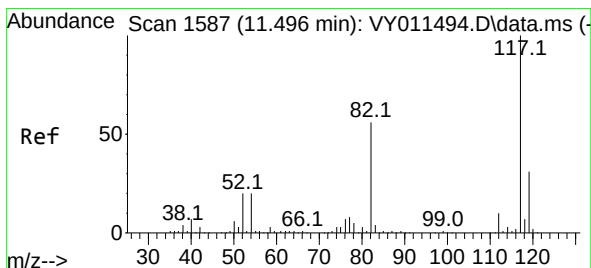
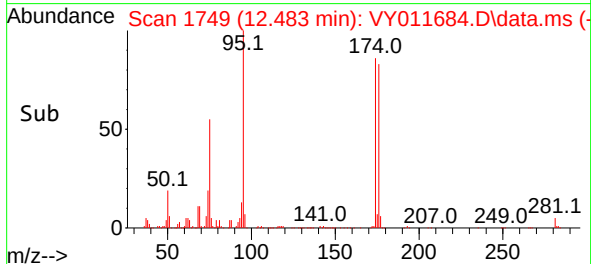
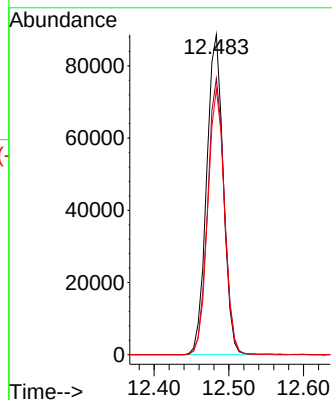
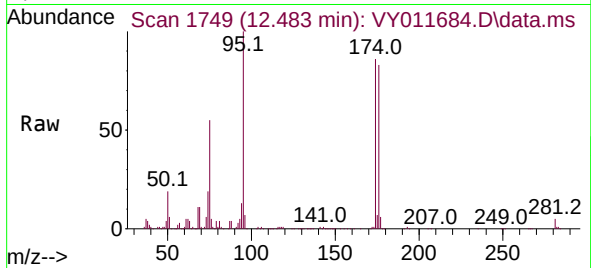




#62
4-Bromofluorobenzene
Concen: 48.750 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

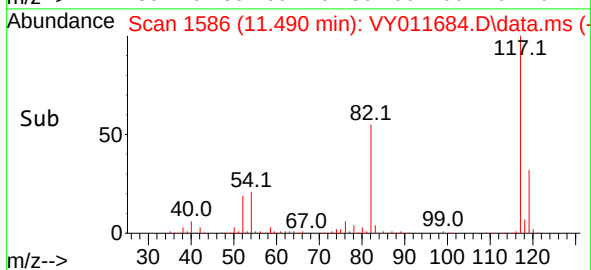
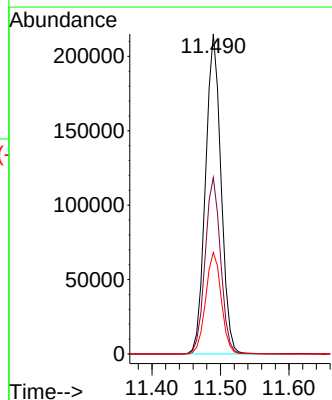
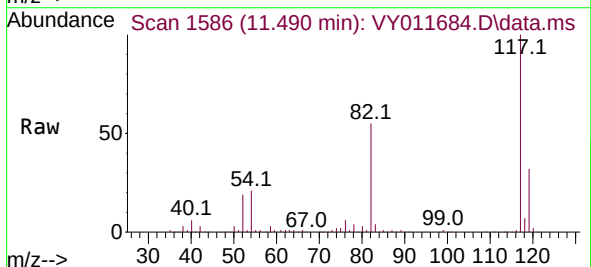
Instrument :
MSVOA_Y
ClientSampleId :

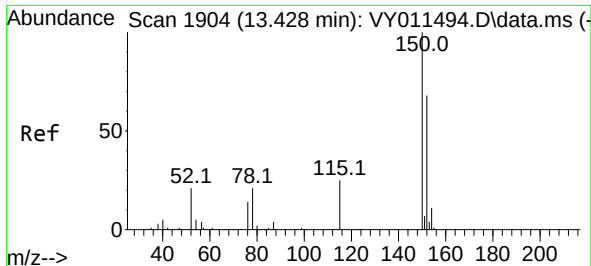
Tgt Ion: 95 Resp: 137115
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.0
176 83.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011684.D
Acq: 02 Dec 2022 15:35

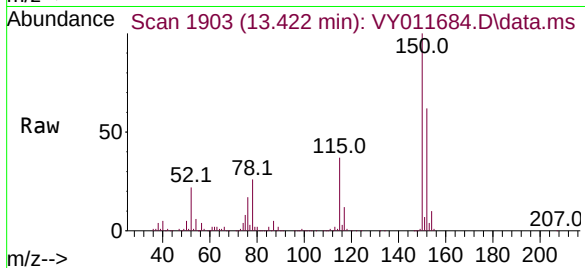
Tgt Ion: 117 Resp: 338661
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.7 25.4 38.0



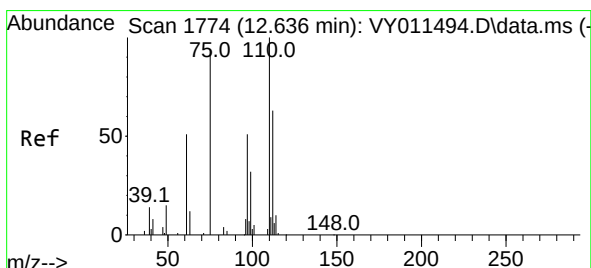
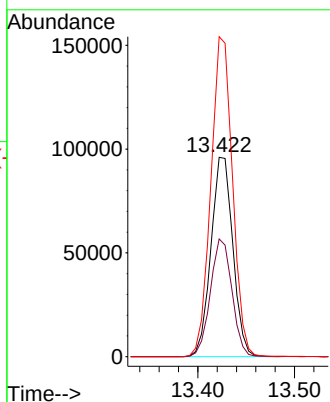
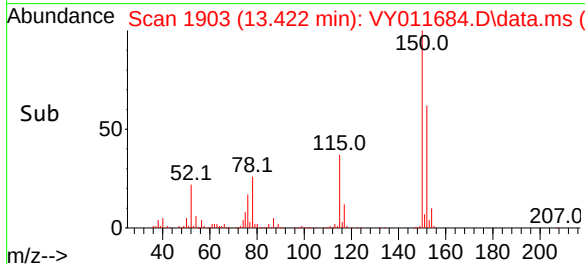


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY011684.D
 Acq: 02 Dec 2022 15:35

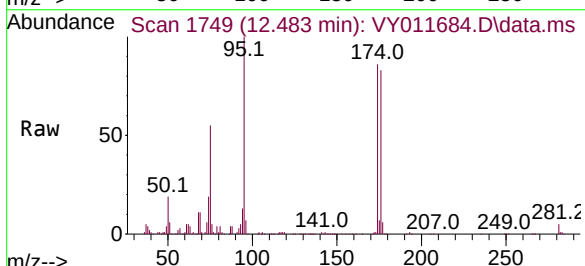
Instrument :
 MSVOA_Y
 ClientSampleId :



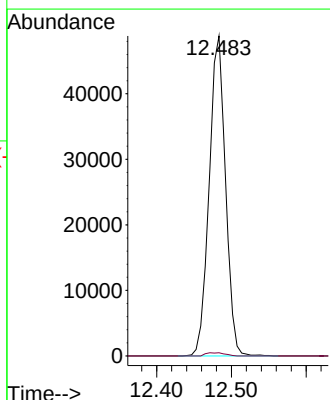
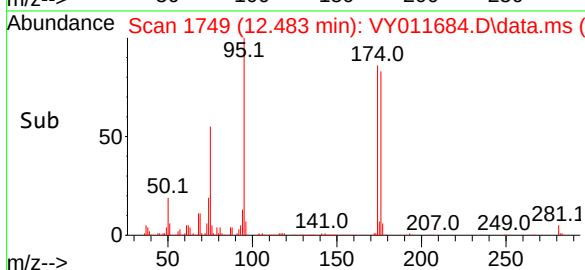
Tgt Ion:152 Resp: 151250
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 158.7 0.0 347.6

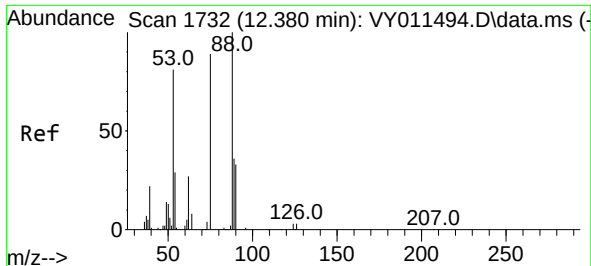


#76
 1,2,3-Trichloropropane
 Concen: 45.494 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011684.D
 Acq: 02 Dec 2022 15:35



Tgt Ion: 75 Resp: 74104
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

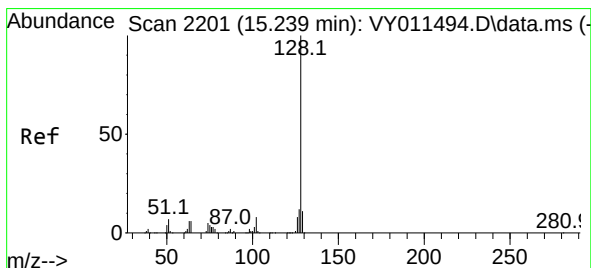
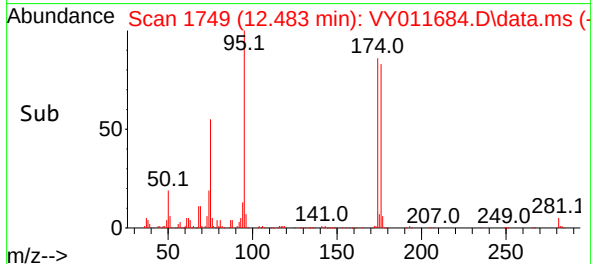
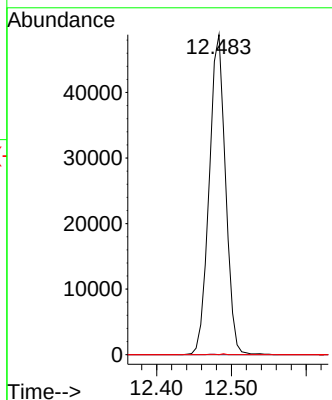
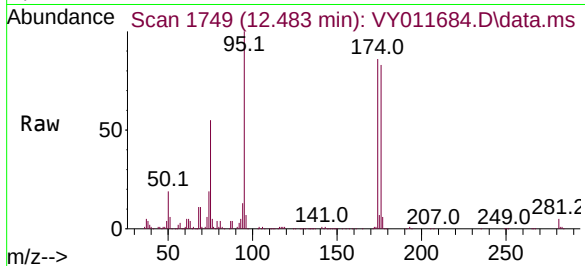




#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.648 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY011684.D
 Acq: 02 Dec 2022 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 74104
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#



#95
 Naphthalene
 Concen: 4.062 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.006 min
 Lab File: VY011684.D
 Acq: 02 Dec 2022 15:35

Tgt Ion: 128 Resp: 244
 Ion Ratio Lower Upper
 128 100
 127 0.0 11.0 16.4#
 129 0.0 8.4 12.6#

