

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY113022\
 Data File : VY011631.D
 Acq On : 30 Nov 2022 11:01
 Operator : KP/MD
 Sample : VY1130SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1130SBL01

Quant Time: Dec 01 05:20:43 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)

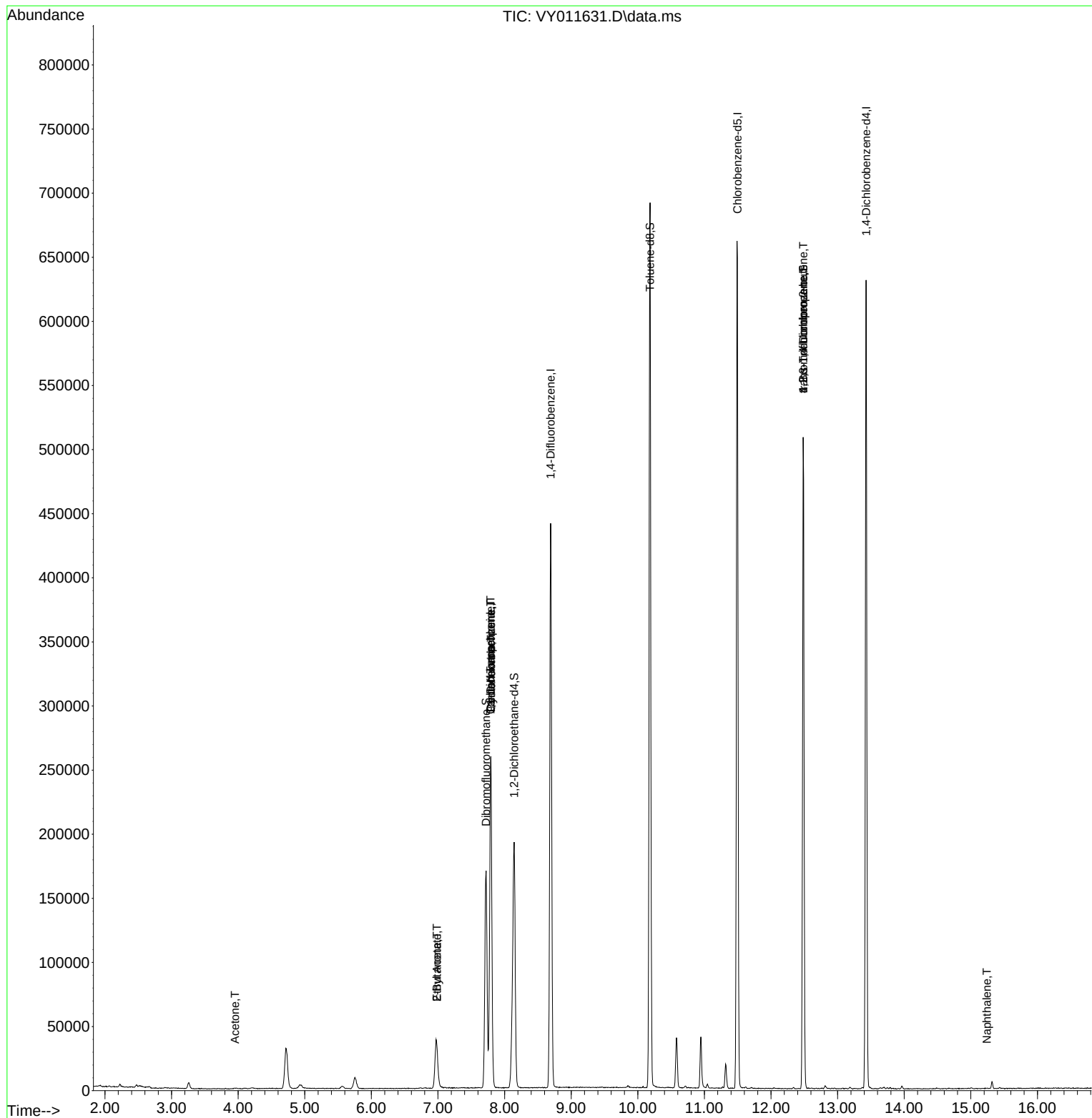
Internal Standards						
1) Pentafluorobenzene	7.795	168	196755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	368139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	354471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	134407	67.276	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.560%	
35) Dibromofluoromethane	7.722	113	119876	52.896	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.800%	
50) Toluene-d8	10.185	98	447089	54.289	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.483	95	146891	48.243	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	515	Below Cal	#	51
3) Chloromethane	2.119	50	278	Below Cal		90
5) Bromomethane	2.662	94	224	Below Cal		97
11) Tert butyl alcohol	4.923	59	3245	Below Cal	#	77
16) Acetone	3.954	43	1072	1.652	ug/l	91
18) Methyl Acetate	4.503	43	347	Below Cal	#	56
20) Methylene Chloride	4.716	84	23305	Below Cal		86
25) 2-Butanone	6.984	43	2170	2.544	ug/l #	78
31) Cyclohexane	7.795	56	4275	1.291	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15875	4.481	ug/l #	50
37) Ethyl Acetate	6.984	43	2170	1.076	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20434	5.156	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	77929	46.103	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77929	100.982	ug/l #	7
95) Naphthalene	15.239	128	620	4.123	ug/l #	77

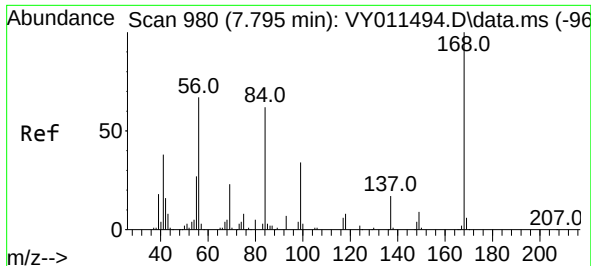
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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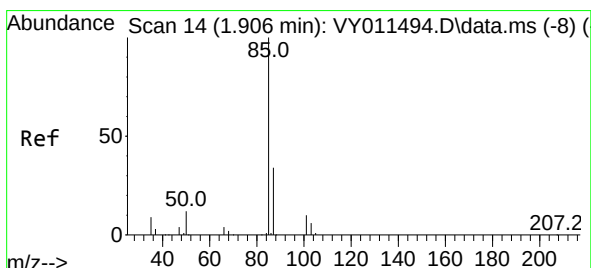
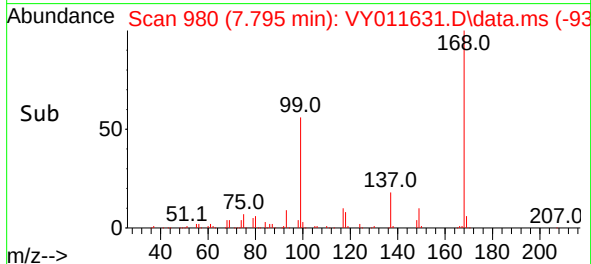
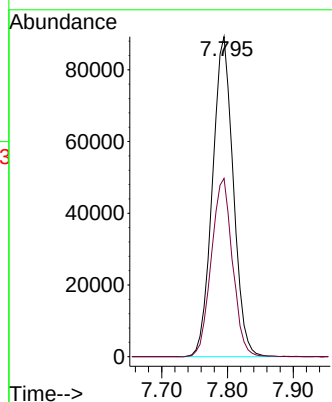
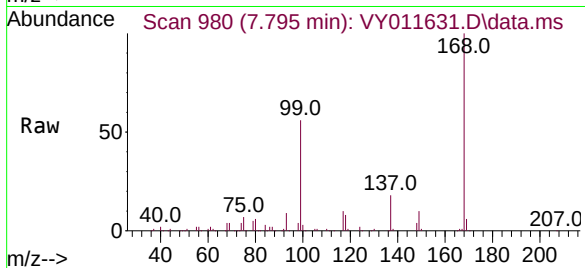




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

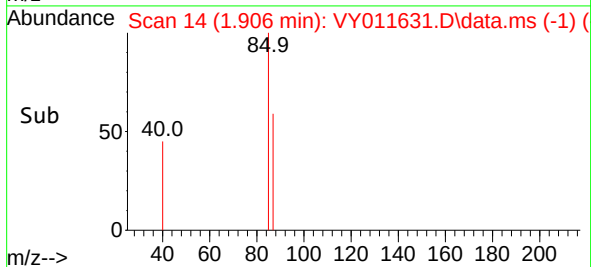
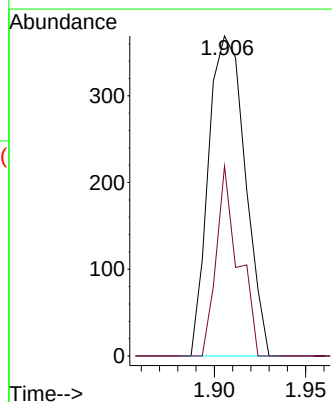
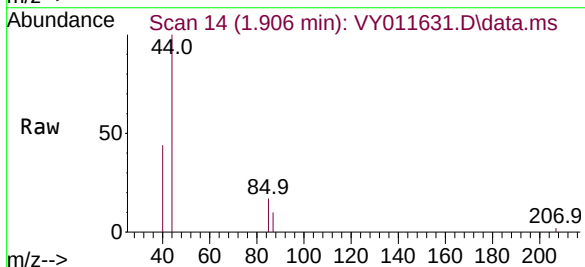
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

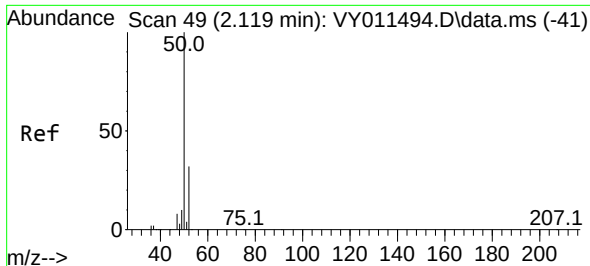
Tgt Ion:168 Resp: 196755
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 85 Resp: 515
Ion Ratio Lower Upper
85 100
87 59.3 16.1 48.2#

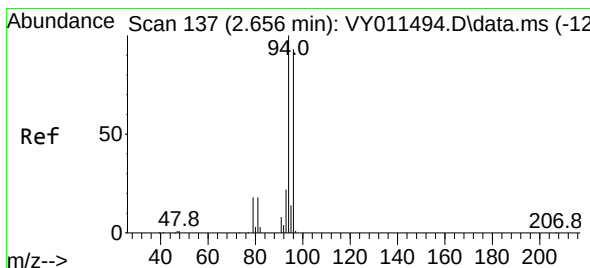
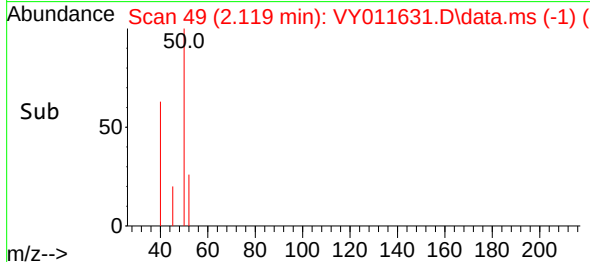
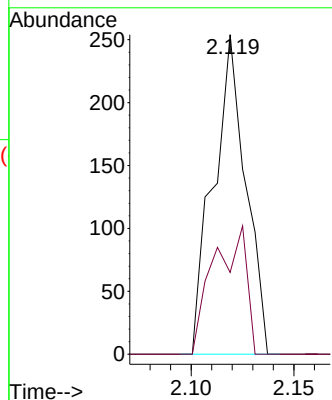
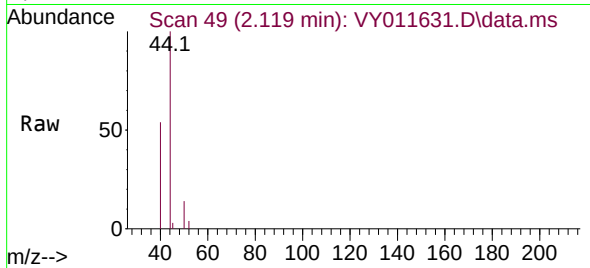




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

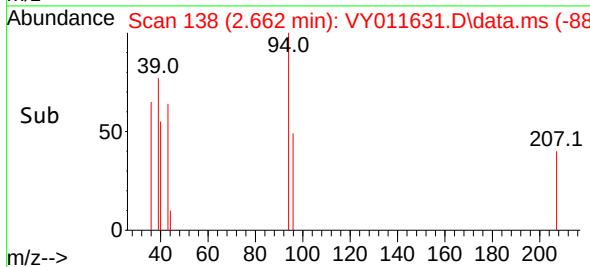
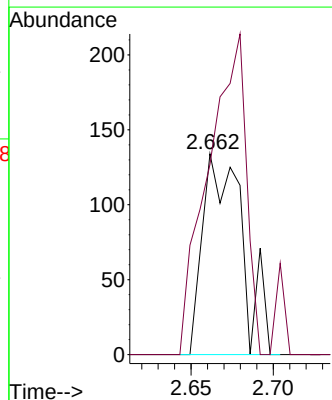
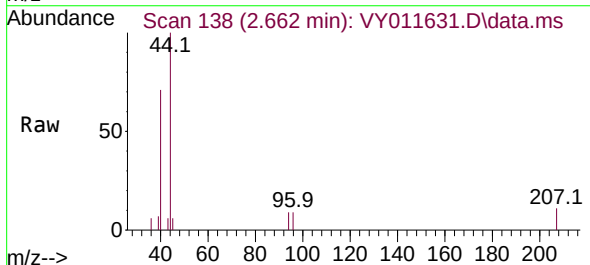
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

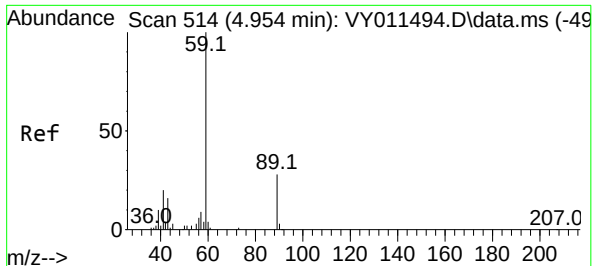
Tgt Ion: 50 Resp: 278
Ion Ratio Lower Upper
50 100
52 25.6 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 94.8 73.5 110.3

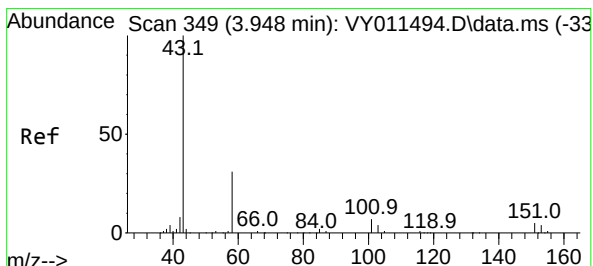
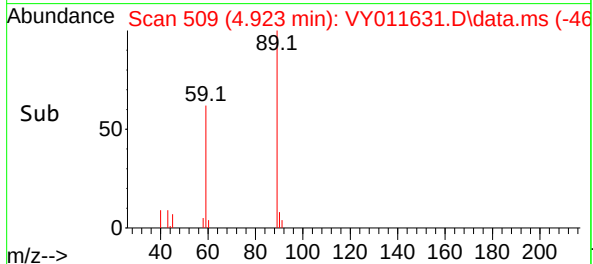
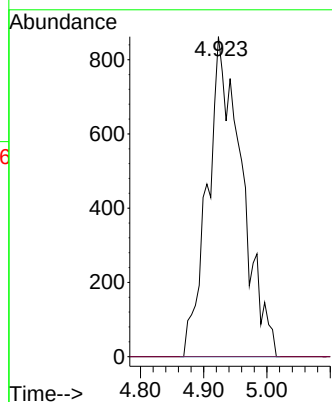
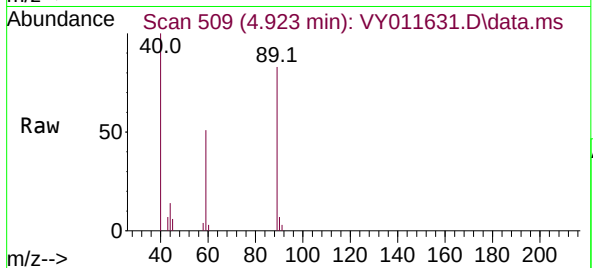




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

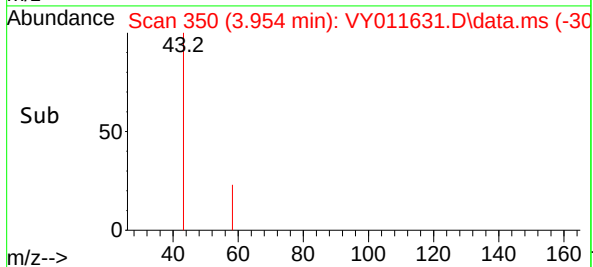
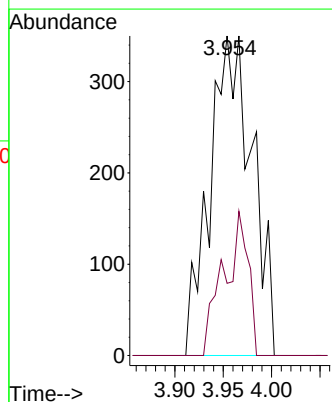
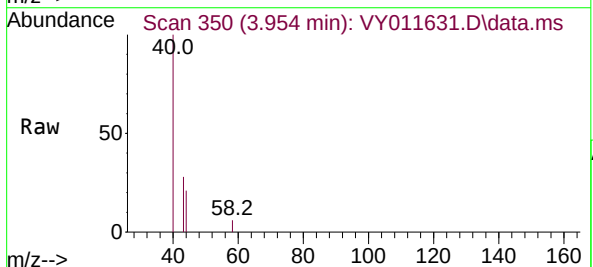
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

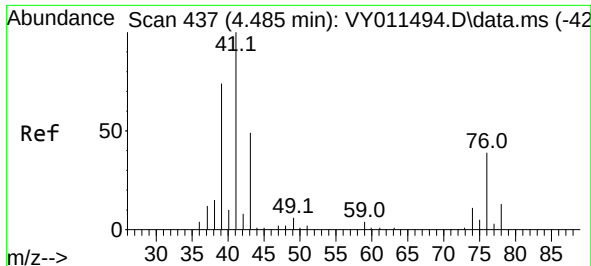
Tgt Ion: 59 Resp: 3245
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.652 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
58 22.6 22.0 33.0

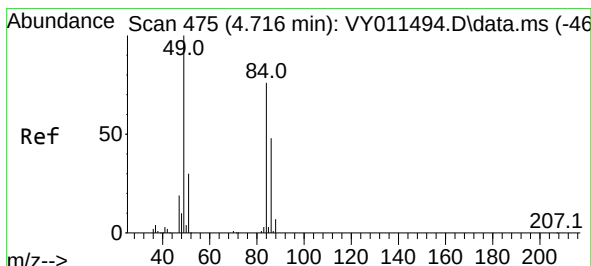
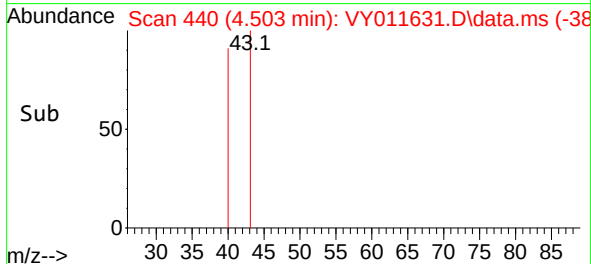
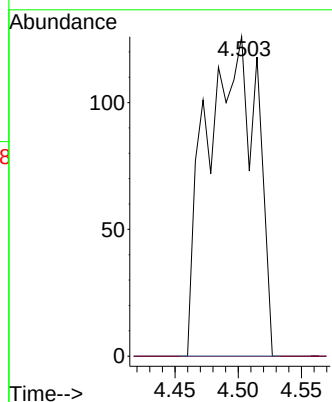
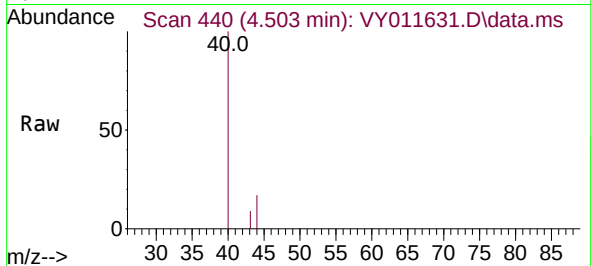




#18
Methyl Acetate
Concen: Below Cal
RT: 4.503 min Scan# 44
Delta R.T. 0.018 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

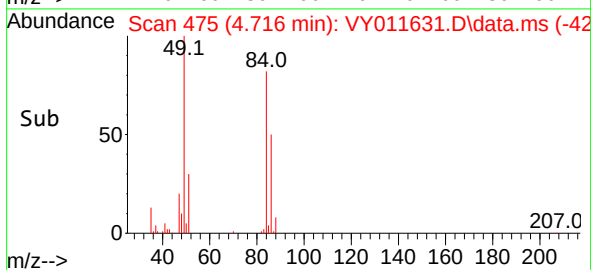
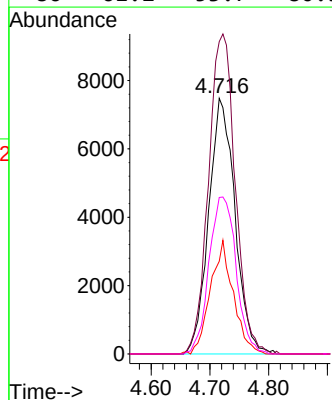
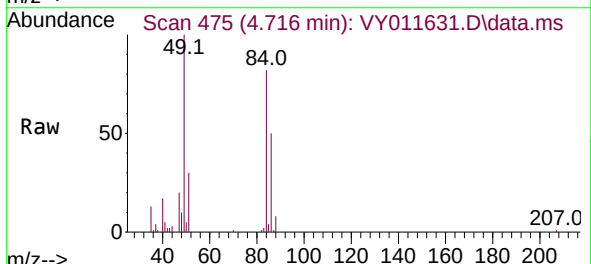
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

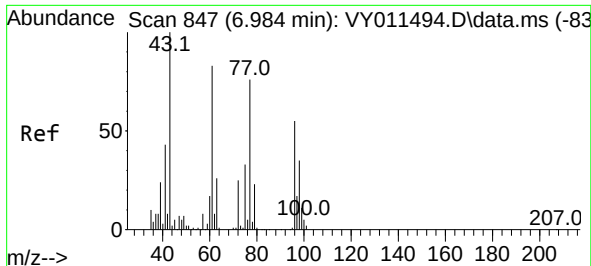
Tgt Ion: 43 Resp: 347
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 84 Resp: 23305
Ion Ratio Lower Upper
84 100
49 122.2 114.4 171.6
51 36.2 35.3 52.9
86 61.2 53.7 80.5





#25

2-Butanone

Concen: 2.544 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY011631.D

Acq: 30 Nov 2022 11:01

Instrument :

MSVOA_Y

ClientSampleId :

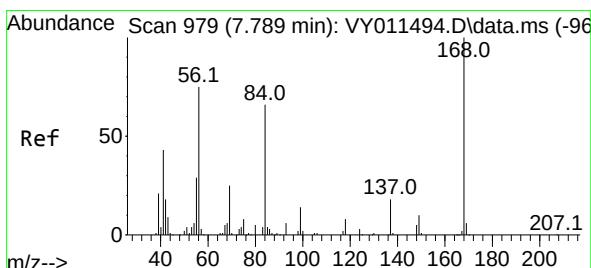
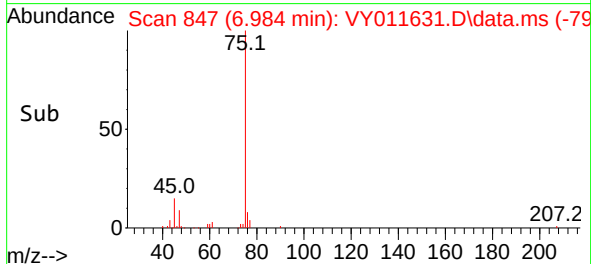
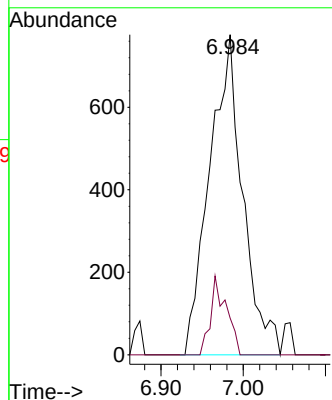
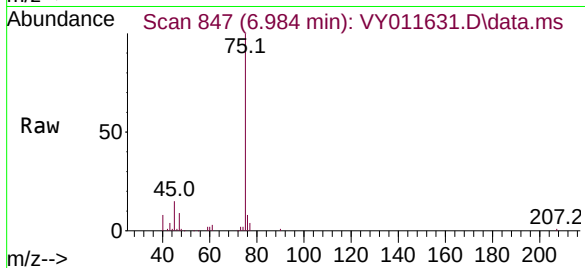
VY1130SBL01

Tgt Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

72 11.5 17.7 26.5#



#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY011631.D

Acq: 30 Nov 2022 11:01

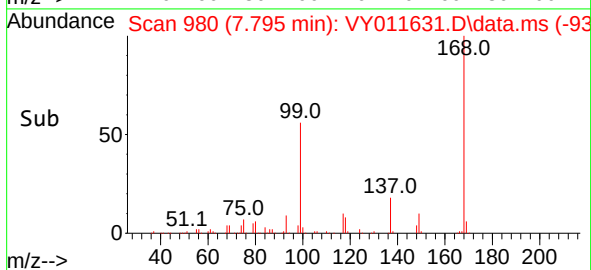
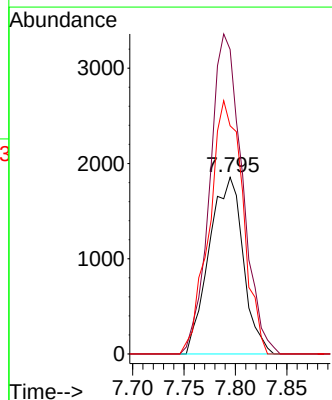
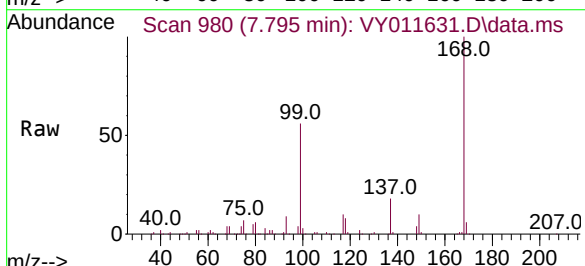
Tgt Ion: 56 Resp: 4275

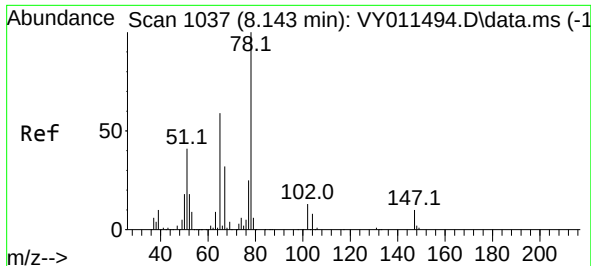
Ion Ratio Lower Upper

56 100

69 172.3 26.7 40.1#

84 129.1 67.2 100.8#

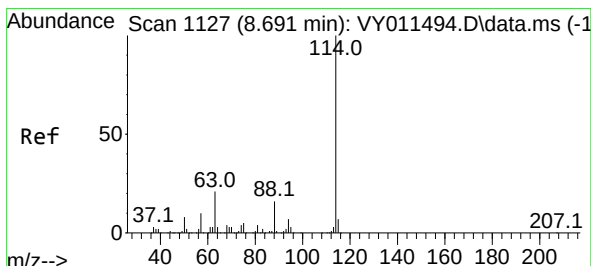
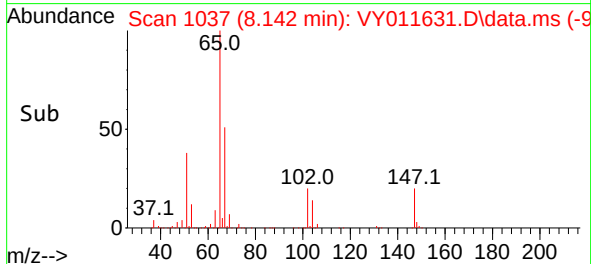
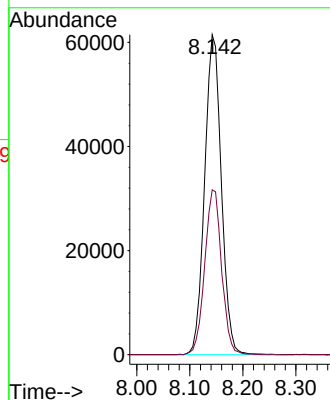
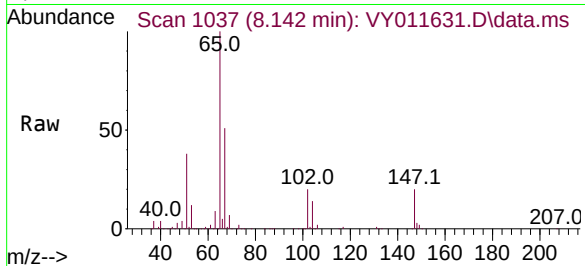




#33
 1,2-Dichloroethane-d4
 Concen: 67.276 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY011631.D
 Acq: 30 Nov 2022 11:01

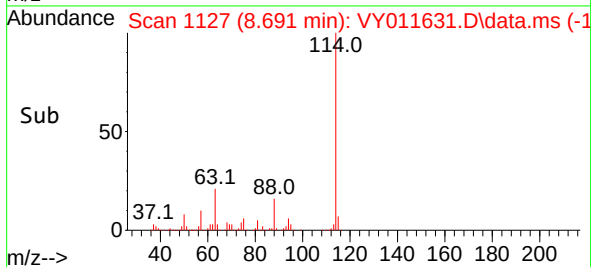
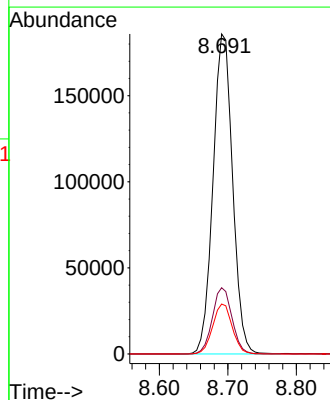
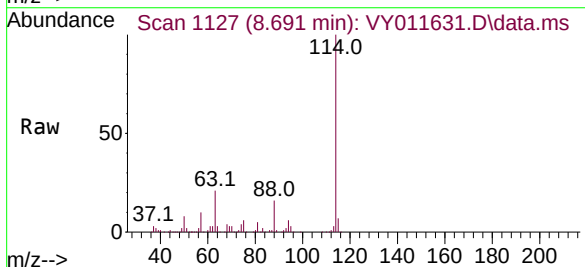
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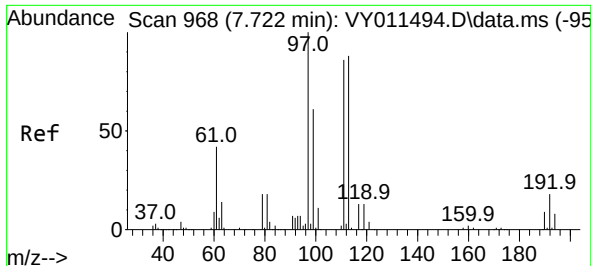
Tgt Ion: 65 Resp: 134407
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY011631.D
 Acq: 30 Nov 2022 11:01

Tgt Ion: 114 Resp: 368139
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.2
 88 15.6 0.0 31.8

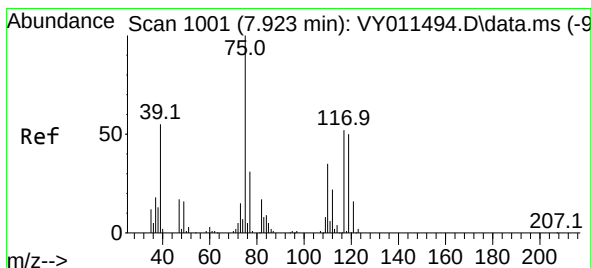
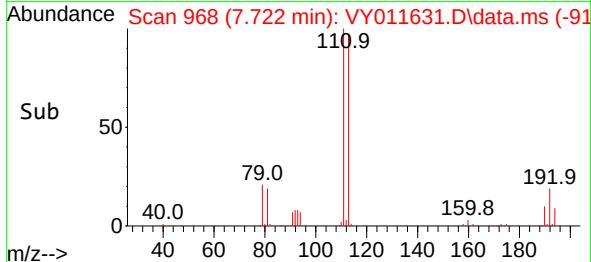
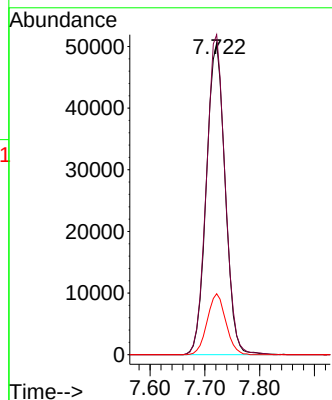
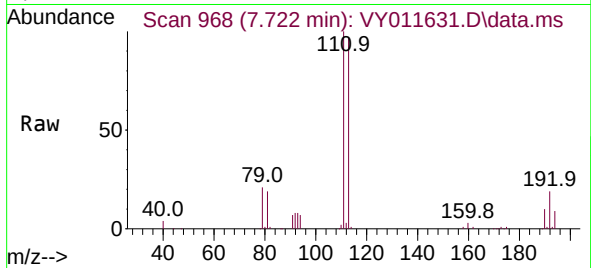




#35
Dibromofluoromethane
Concen: 52.896 ug/l
RT: 7.722 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

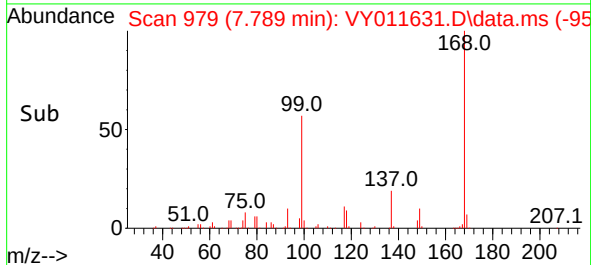
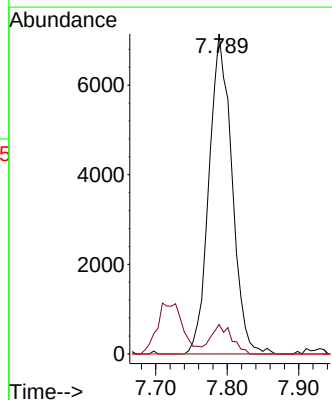
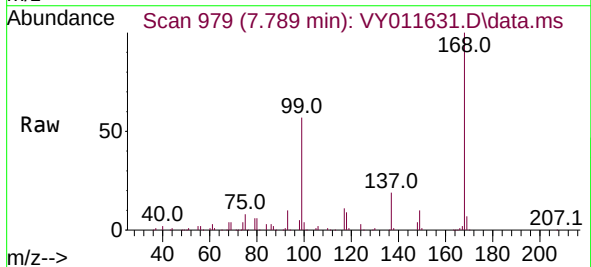
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

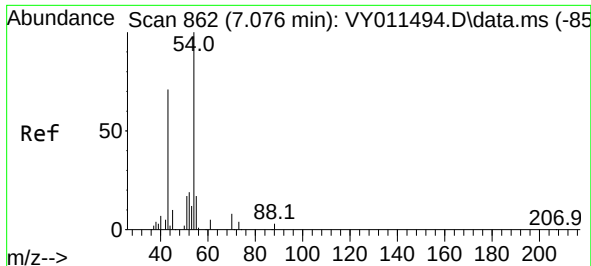
Tgt Ion:113 Resp: 119876
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.481 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 75 Resp: 15875
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.076 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011631.D

Acq: 30 Nov 2022 11:01

Instrument :

MSVOA_Y

ClientSampleId :

VY1130SBL01

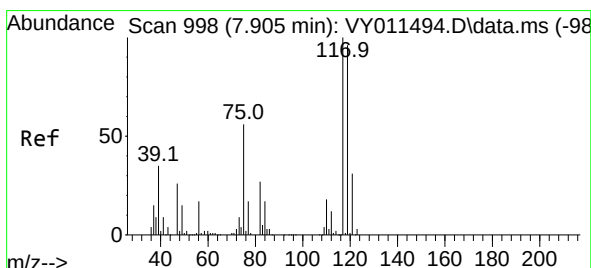
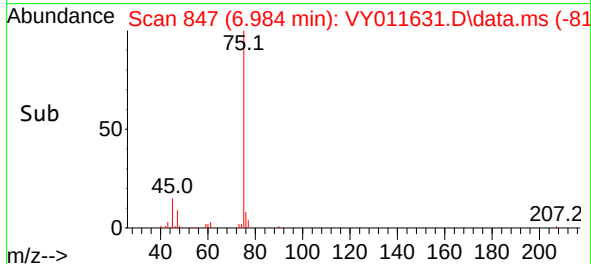
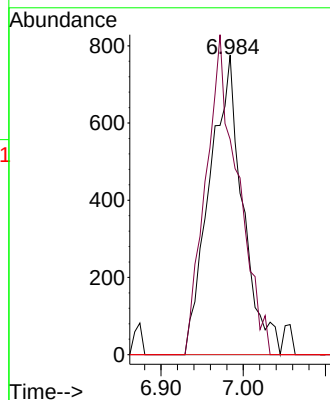
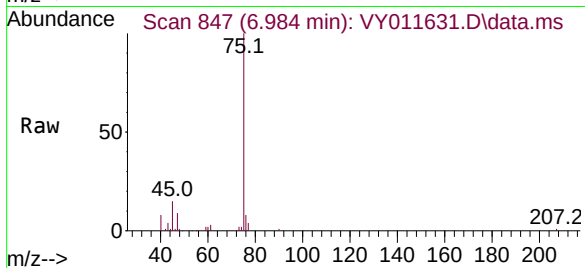
Tgt Ion: 43 Resp: 2170

Ion Ratio Lower Upper

43 100

61 103.4 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.156 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011631.D

Acq: 30 Nov 2022 11:01

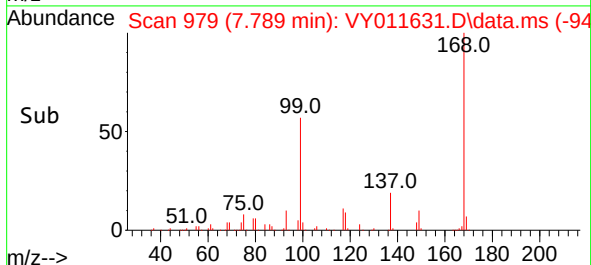
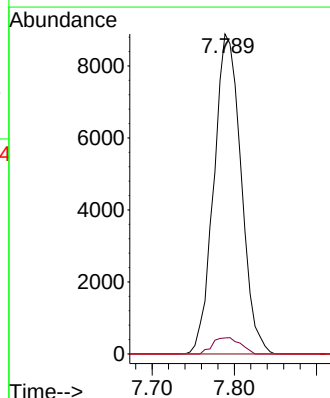
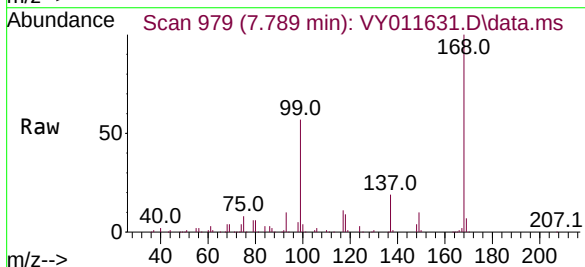
Tgt Ion: 117 Resp: 20434

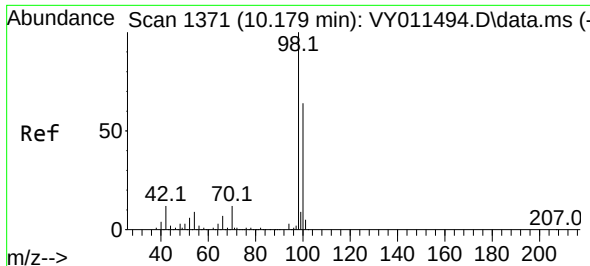
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#

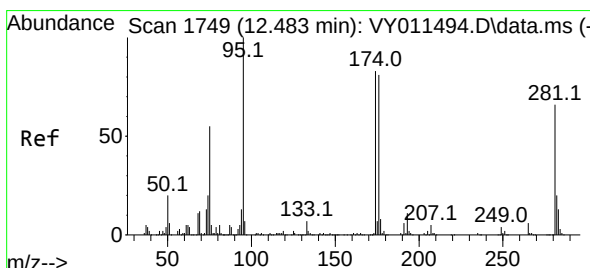
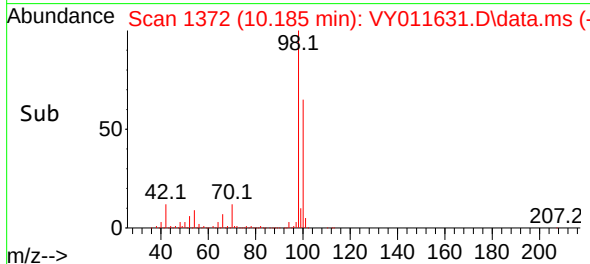
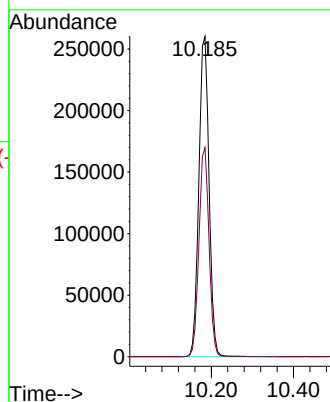
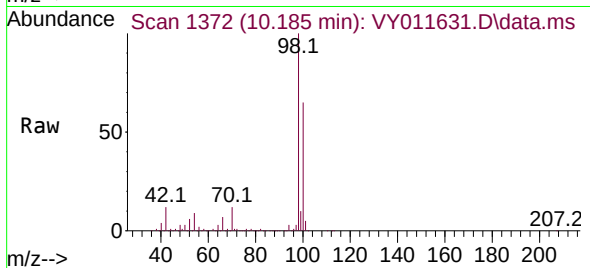




#50
Toluene-d8
Concen: 54.289 ug/l
RT: 10.185 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

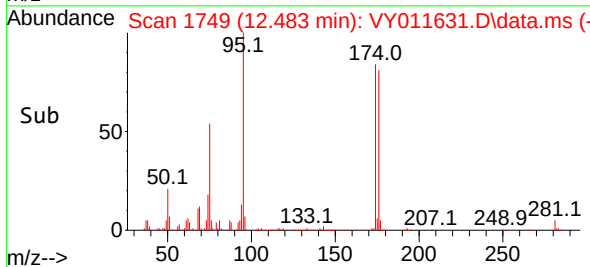
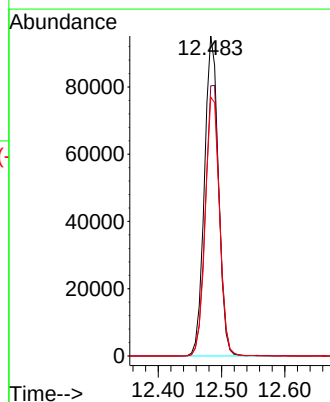
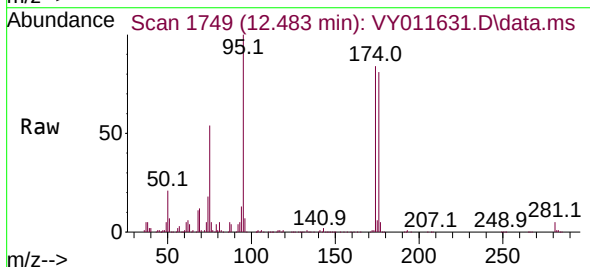
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

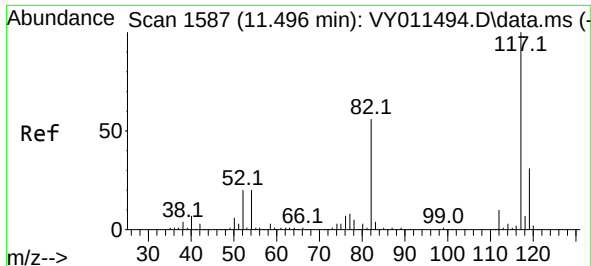
Tgt Ion: 98 Resp: 447089
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.243 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion: 95 Resp: 146891
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.2 0.0 175.8

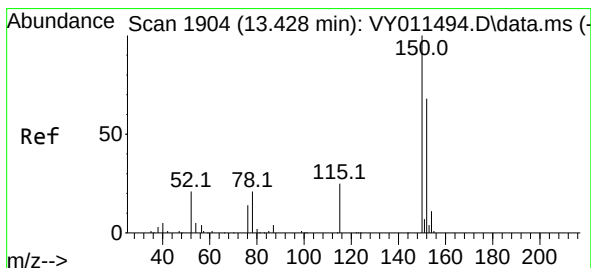
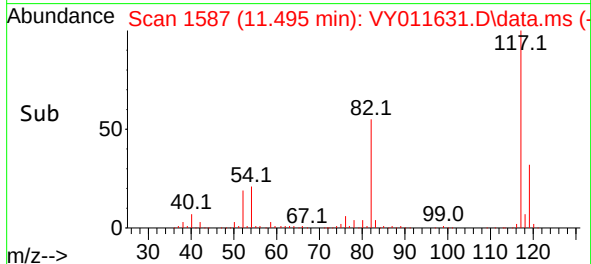
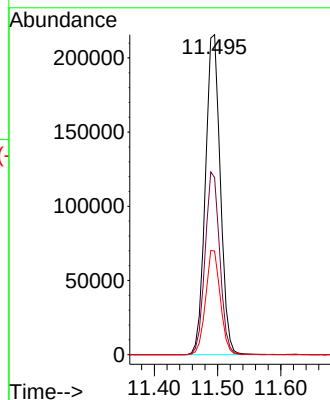
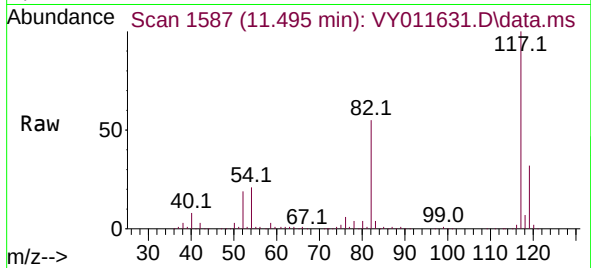




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

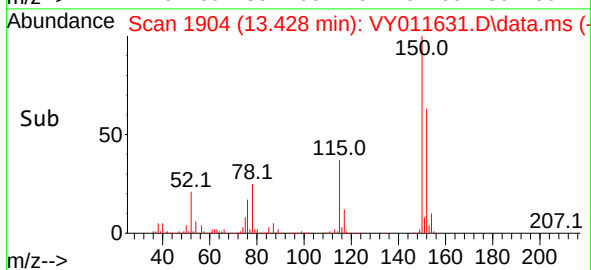
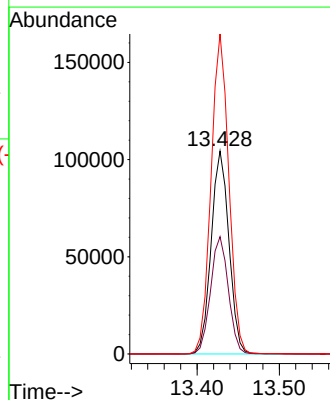
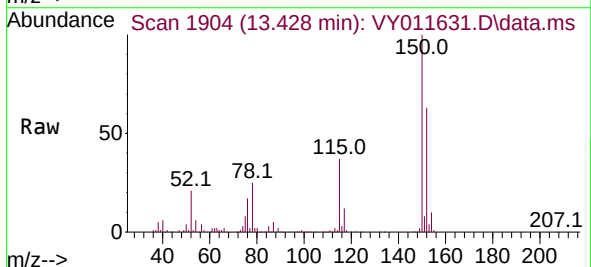
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

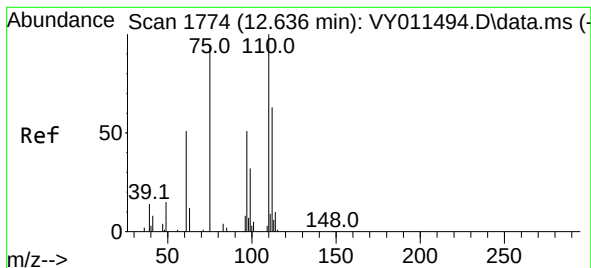
Tgt Ion:117 Resp: 354471
Ion Ratio Lower Upper
117 100
82 55.3 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Tgt Ion:152 Resp: 156956
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.6 0.0 347.6

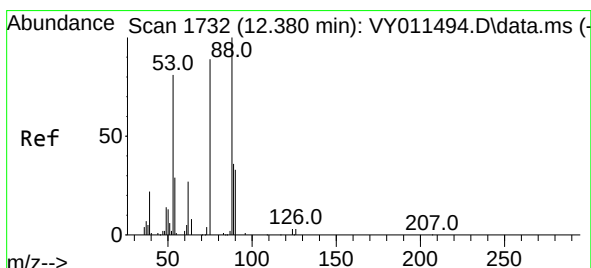
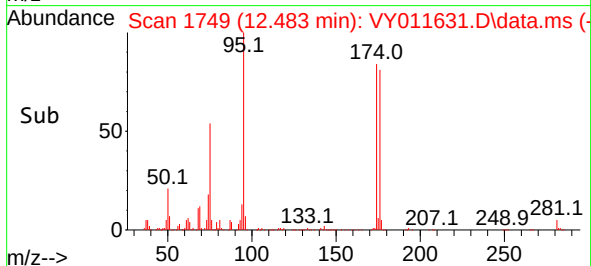
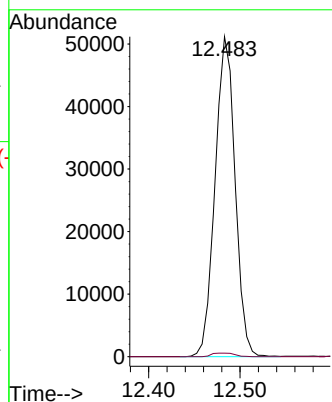
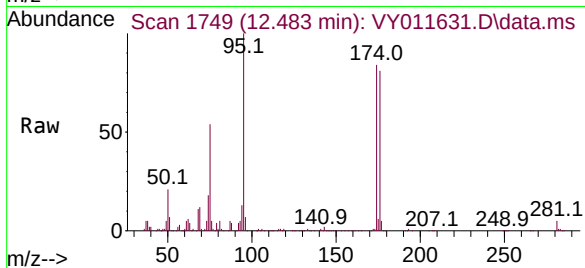




#76
1,2,3-Trichloropropane
Concen: 46.103 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

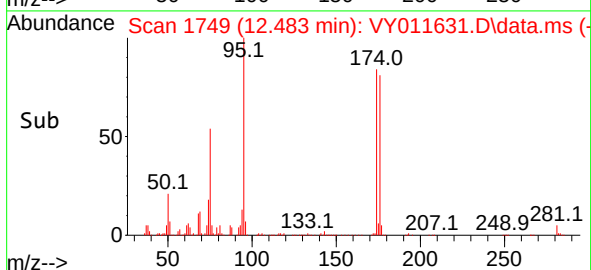
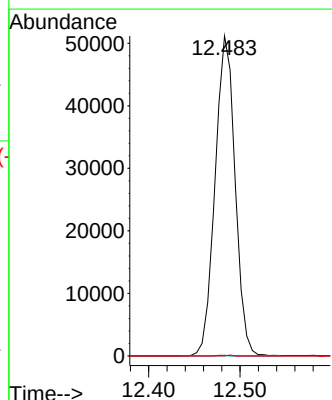
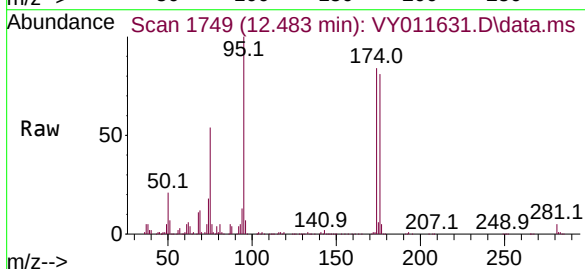
Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01

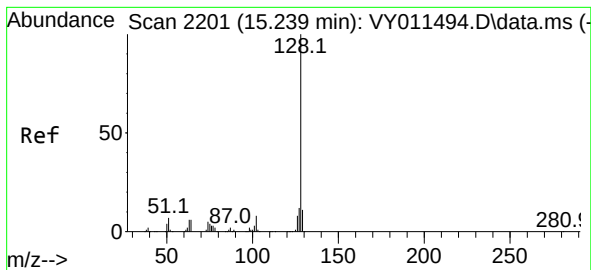
Tgt Ion: 75 Resp: 77929
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.982 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

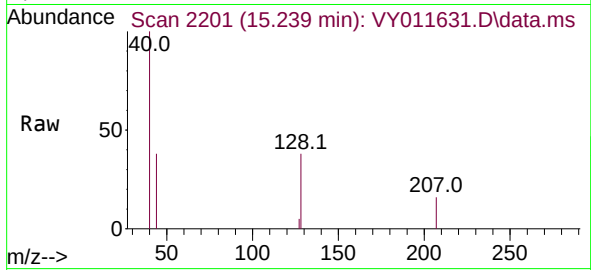
Tgt Ion: 75 Resp: 77929
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.123 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY011631.D
Acq: 30 Nov 2022 11:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1130SBL01



Tgt Ion:128 Resp: 620
Ion Ratio Lower Upper
128 100
127 3.1 11.0 16.4#
129 3.7 8.4 12.6#

