

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011577.D
 Acq On : 23 Nov 2022 15:57
 Operator : KP/MD
 Sample : N5766-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:38:32 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)

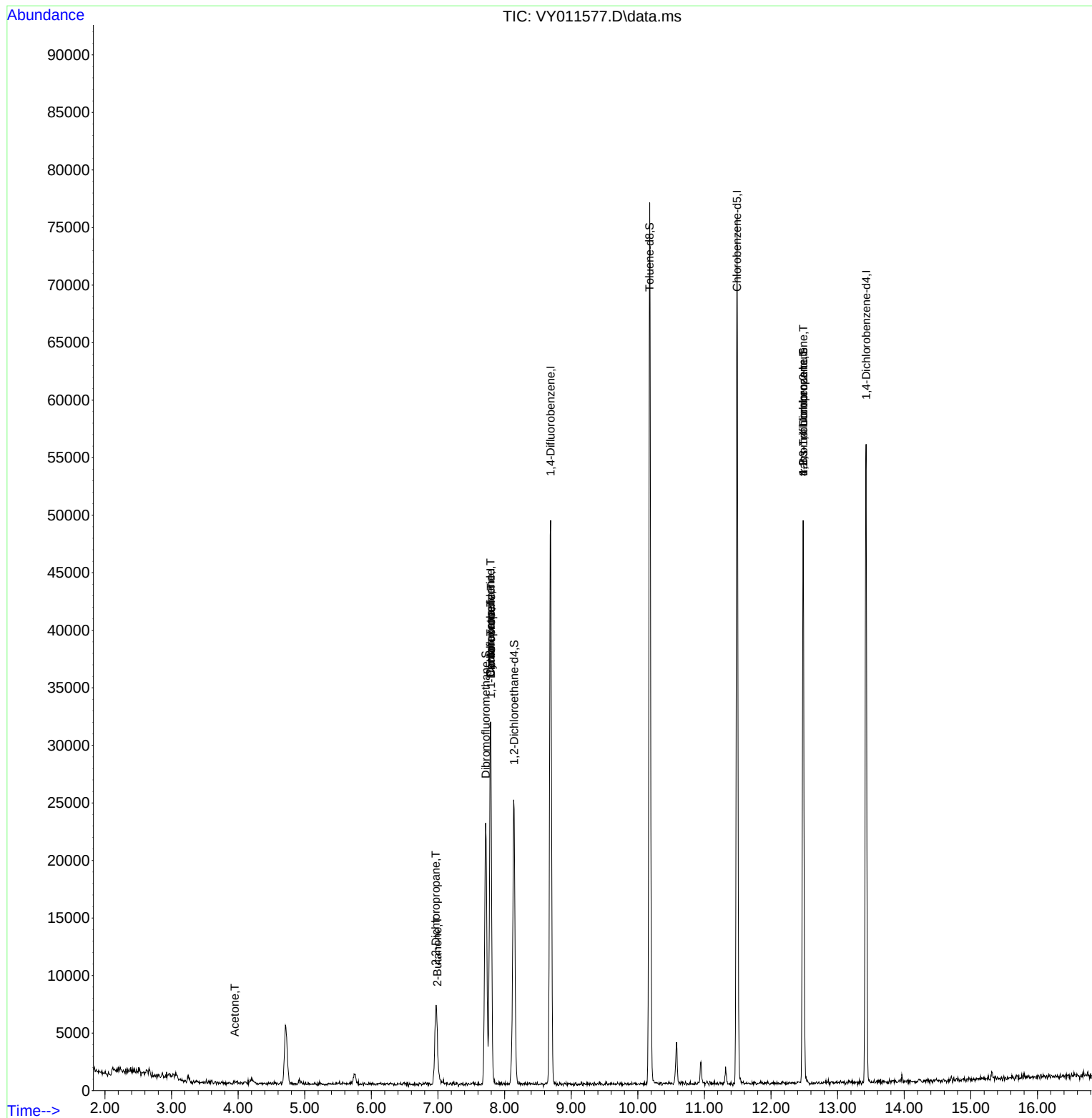
Internal Standards						
1) Pentafluorobenzene	7.789	168	24227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	41159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	39134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	17987	73.118	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.240%			
35) Dibromofluoromethane	7.716	113	16134	63.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.360%			
50) Toluene-d8	10.179	98	50334	54.668	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.340%			
62) 4-Bromofluorobenzene	12.483	95	13965	41.023	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.040%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	169	Below Cal	#	44
5) Bromomethane	2.662	94	114	Below Cal		82
11) Tert butyl alcohol	4.954	59	113	Below Cal	#	77
16) Acetone	3.948	43	440	5.507	ug/l #	47
18) Methyl Acetate	4.204	43	75	Below Cal	#	56
25) 2-Butanone	6.990	43	129	1.228	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	474	1.072	ug/l #	55
31) Cyclohexane	7.789	56	586	1.437	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	1821	4.598	ug/l #	47
38) Carbon Tetrachloride	7.789	117	2399	5.414	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	7391	47.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	7391	104.102	ug/l #	7

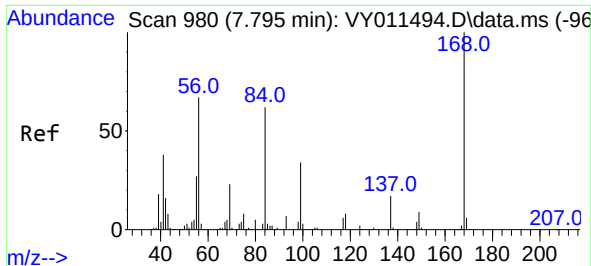
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

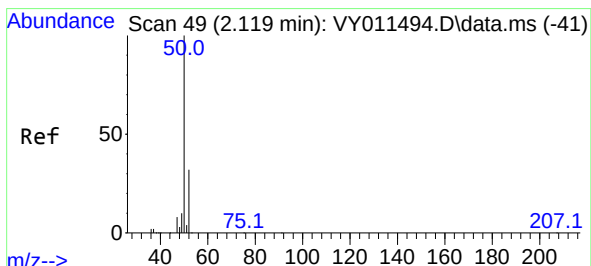
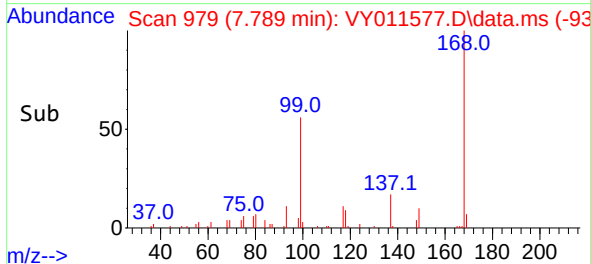
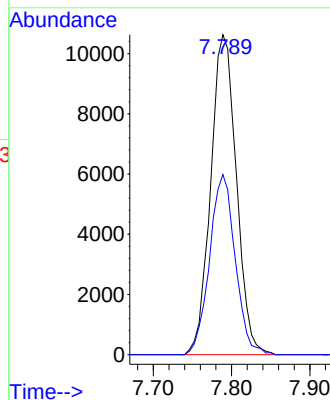
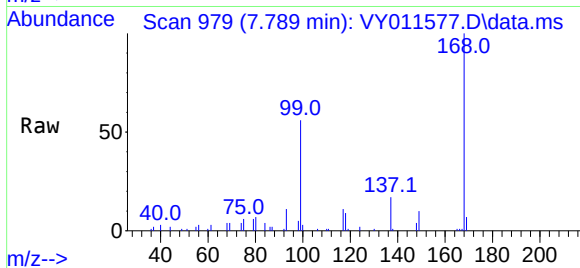




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

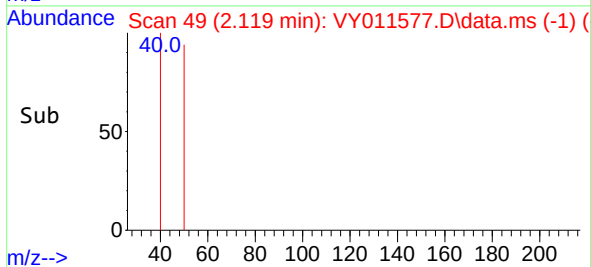
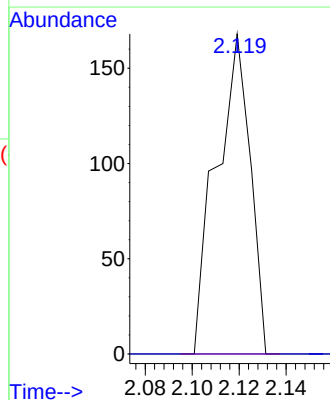
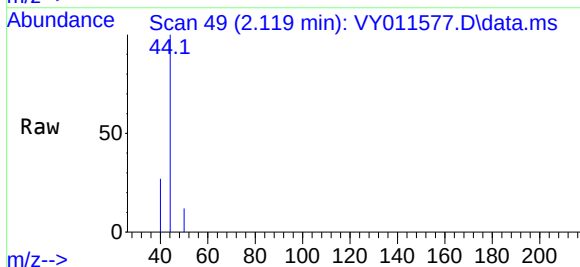
Instrument :
MSVOA_Y
ClientSampleId :

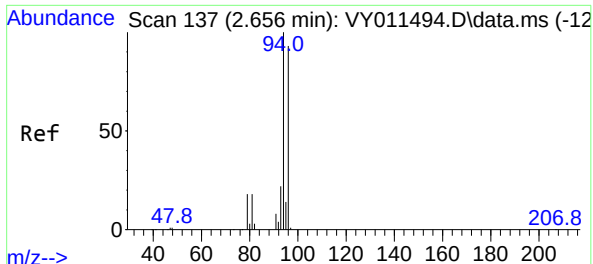
Tgt Ion:168 Resp: 24227
Ion Ratio Lower Upper
168 100
99 56.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

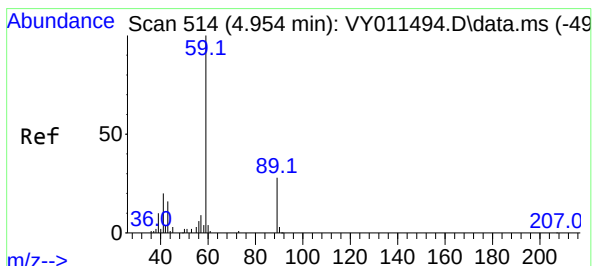
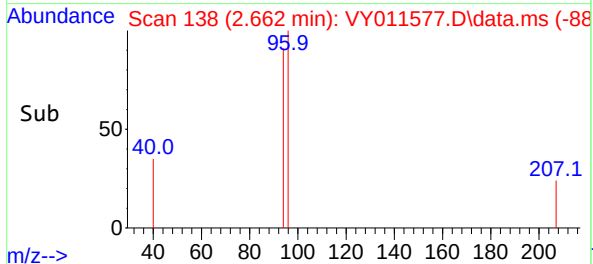
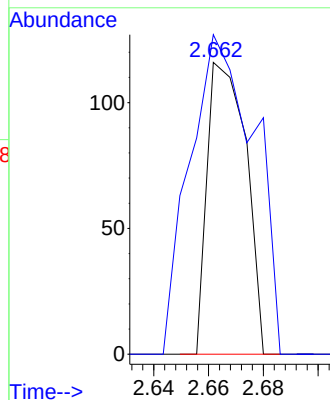
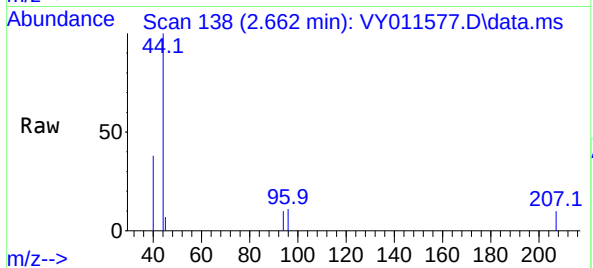




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

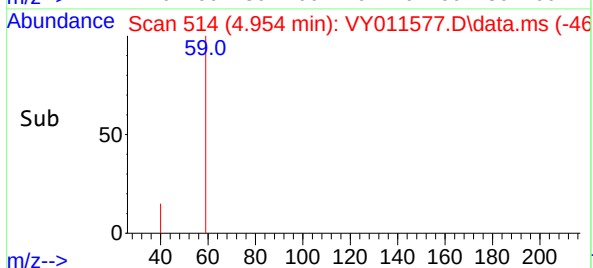
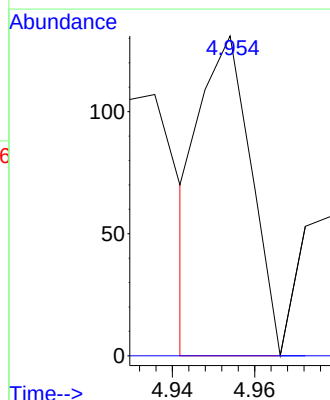
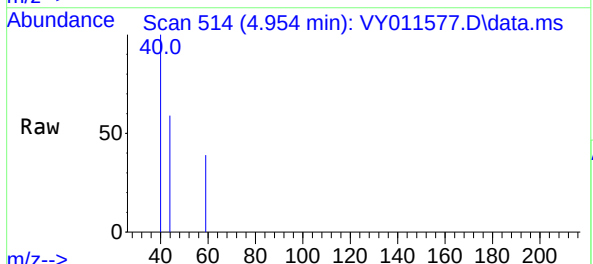
Instrument :
MSVOA_Y
ClientSampleId :

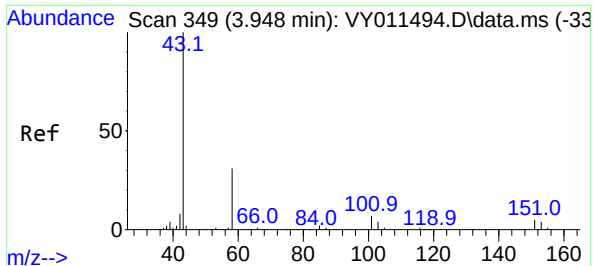
Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 109.5 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 5.507 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011577.D

Acq: 23 Nov 2022 15:57

Instrument :

MSVOA_Y

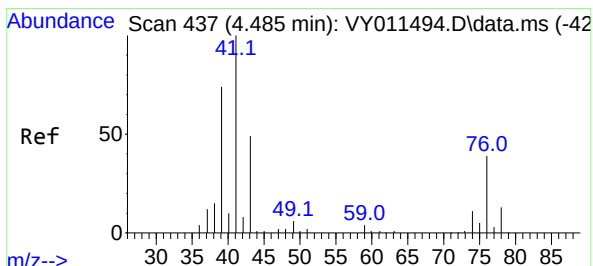
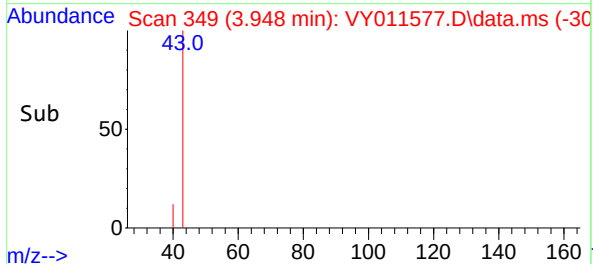
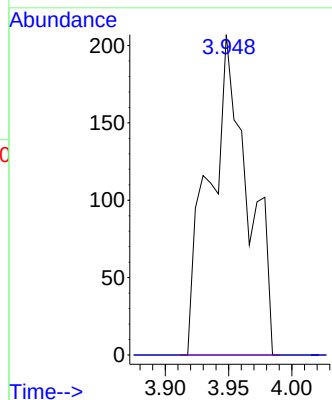
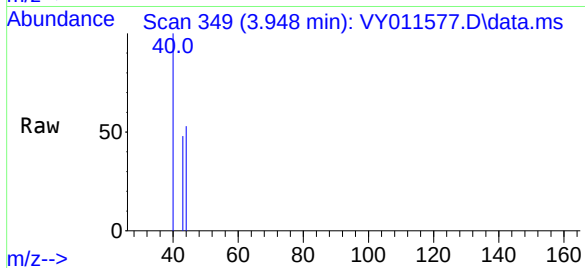
ClientSampleId :

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.204 min Scan# 391

Delta R.T. -0.281 min

Lab File: VY011577.D

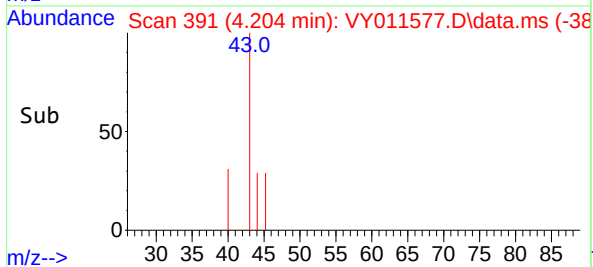
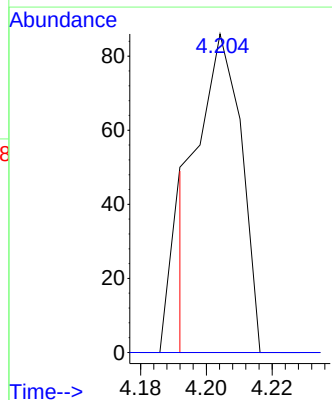
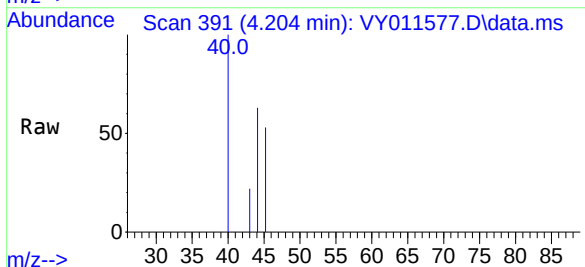
Acq: 23 Nov 2022 15:57

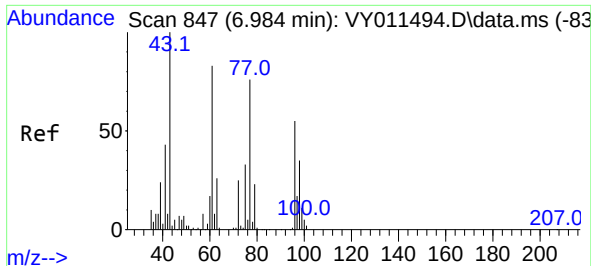
Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 1.228 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY011577.D

Acq: 23 Nov 2022 15:57

Instrument :

MSVOA_Y

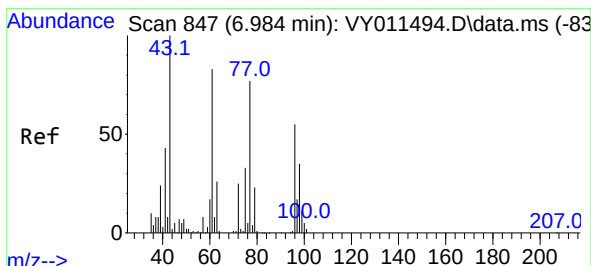
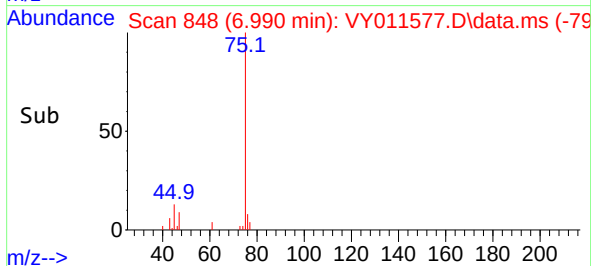
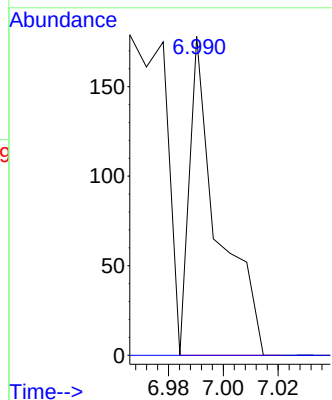
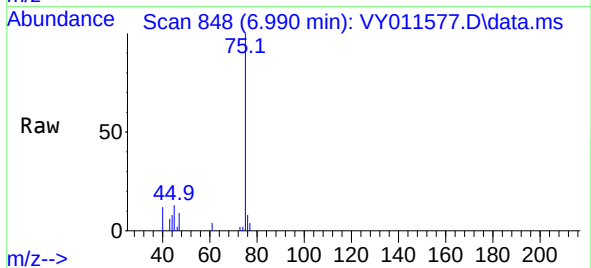
ClientSampleId :

Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.072 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY011577.D

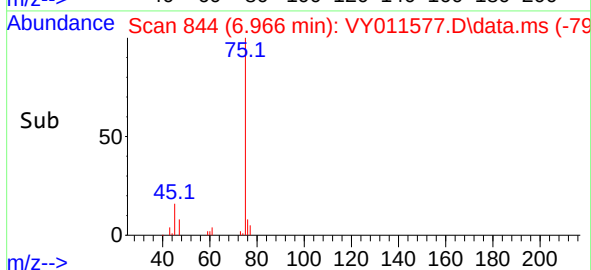
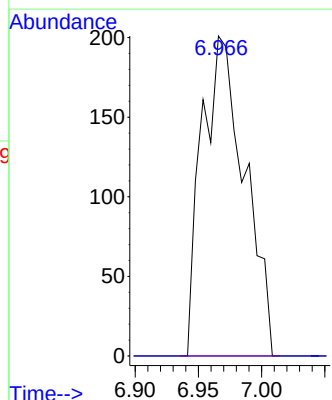
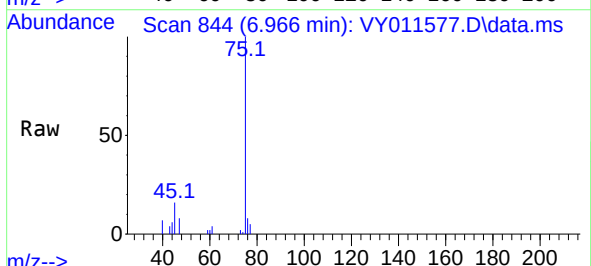
Acq: 23 Nov 2022 15:57

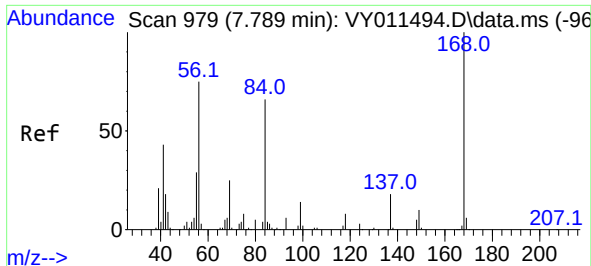
Tgt Ion: 77 Resp: 474

Ion Ratio Lower Upper

77 100

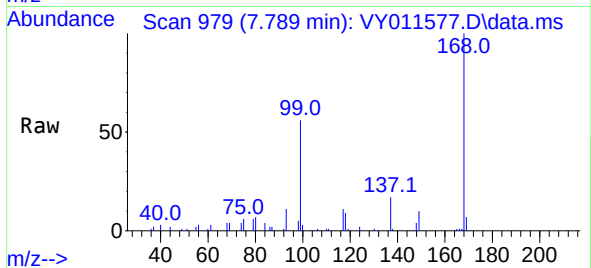
97 0.0 10.4 31.4#



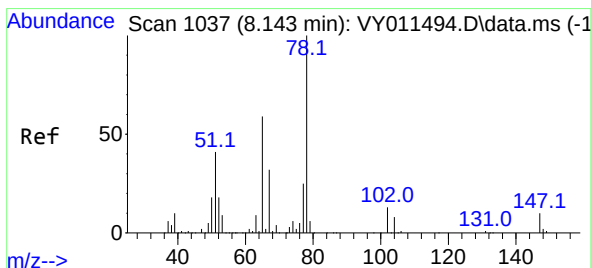
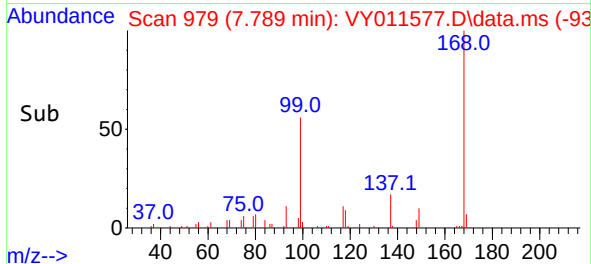
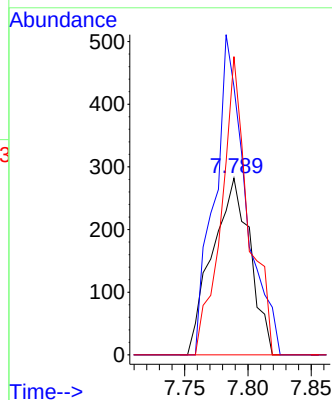


#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Instrument :
MSVOA_Y
ClientSampleId :

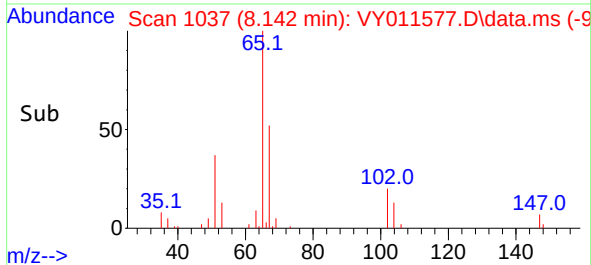
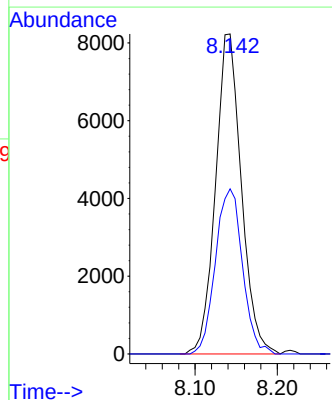
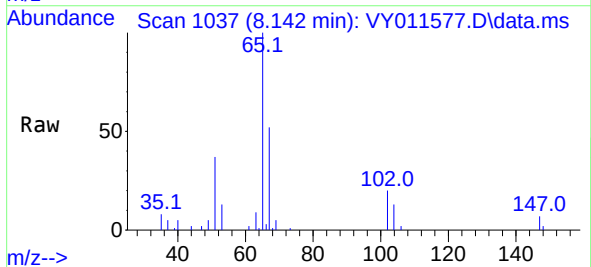


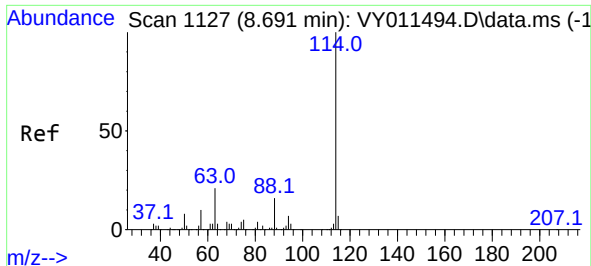
Tgt Ion: 56 Resp: 586
Ion Ratio Lower Upper
56 100
69 151.8 26.7 40.1#
84 168.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 73.118 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion: 65 Resp: 17987
Ion Ratio Lower Upper
65 100
67 54.0 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: VY011577.D

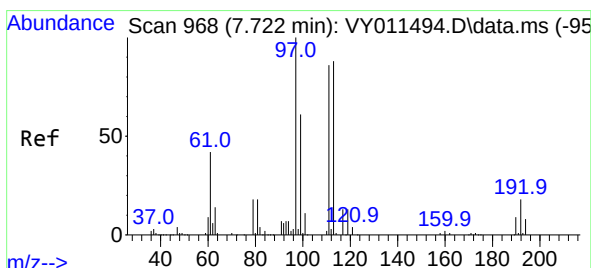
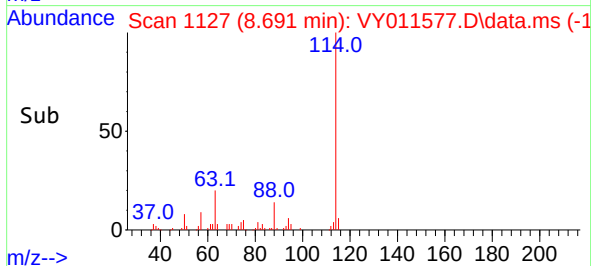
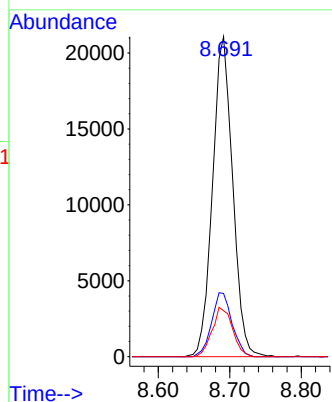
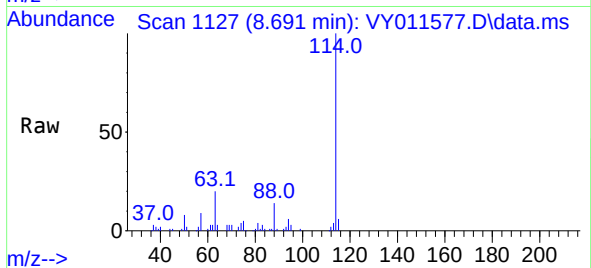
Acq: 23 Nov 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	41159
Ion	Ratio	Lower Upper
114	100	
63	19.7	0.0 43.2
88	14.4	0.0 31.8



#35

Dibromofluoromethane

Concen: 63.677 ug/l

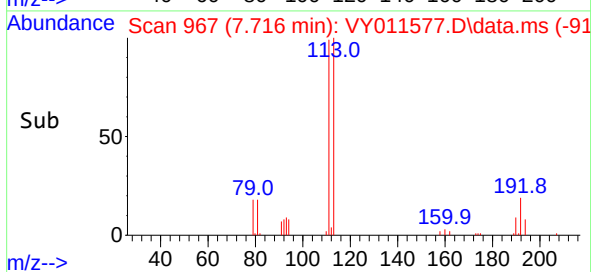
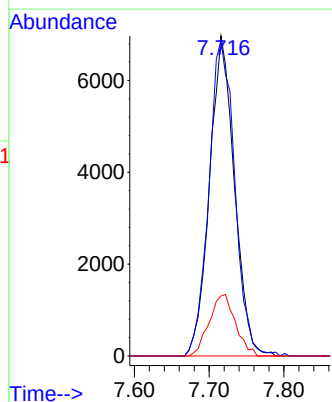
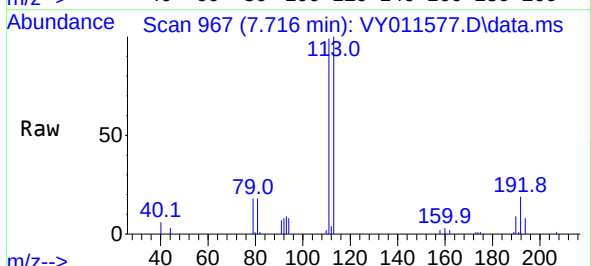
RT: 7.716 min Scan# 967

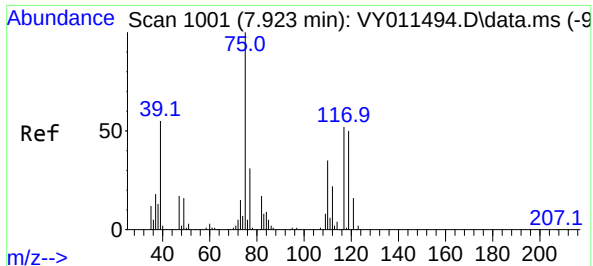
Delta R.T. -0.006 min

Lab File: VY011577.D

Acq: 23 Nov 2022 15:57

Tgt Ion:113	Resp:	16134
Ion	Ratio	Lower Upper
113	100	
111	102.7	82.6 124.0
192	20.2	17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011577.D

Acq: 23 Nov 2022 15:57

Instrument :

MSVOA_Y

ClientSampleId :

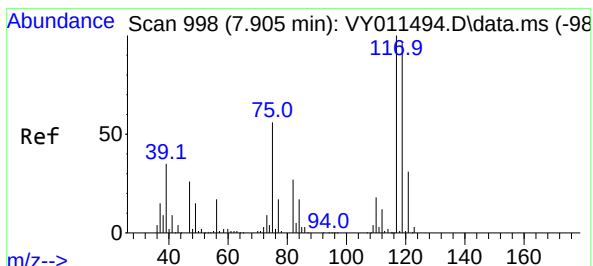
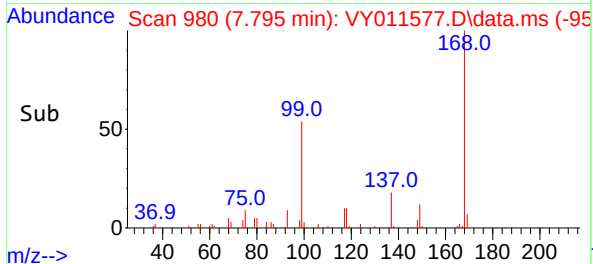
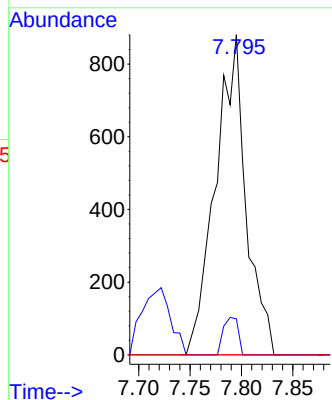
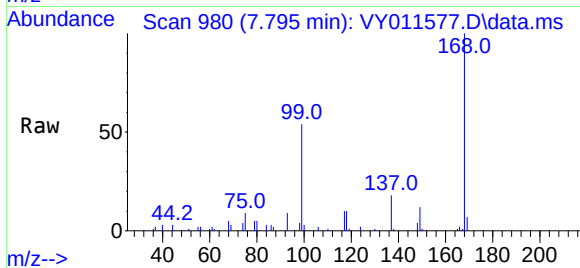
Tgt Ion: 75 Resp: 1821

Ion Ratio Lower Upper

75 100

110 5.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.414 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011577.D

Acq: 23 Nov 2022 15:57

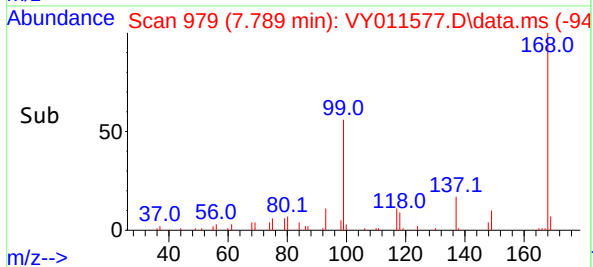
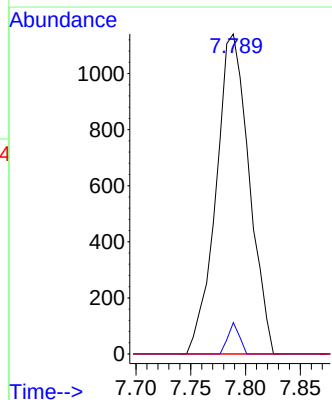
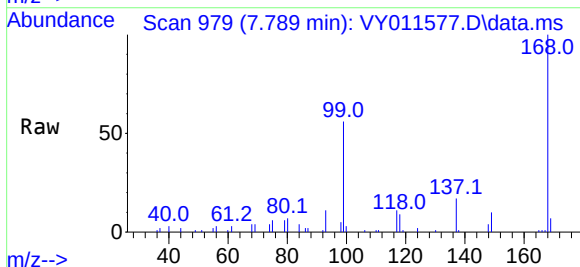
Tgt Ion: 117 Resp: 2399

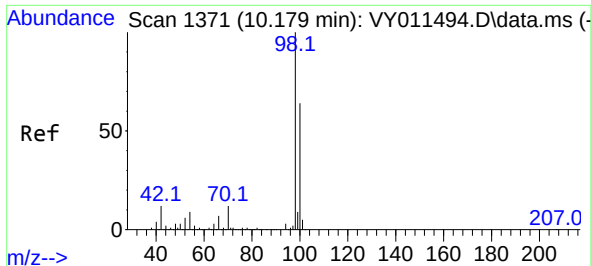
Ion Ratio Lower Upper

117 100

119 9.8 77.9 116.9#

121 0.0 24.8 37.2#

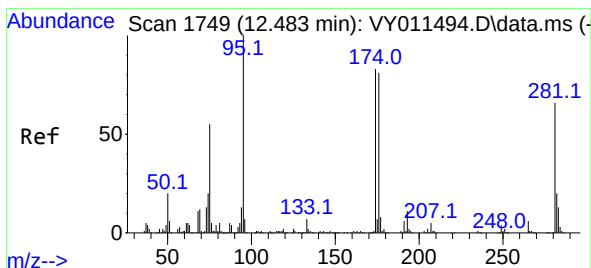
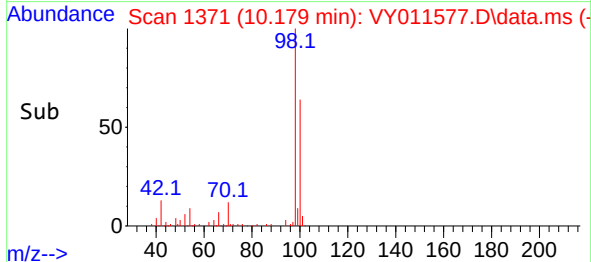
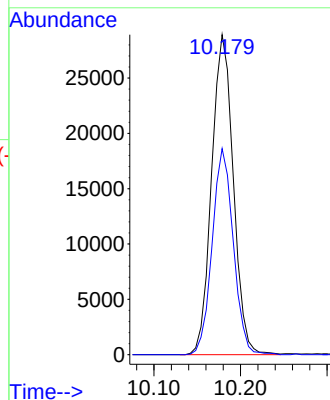
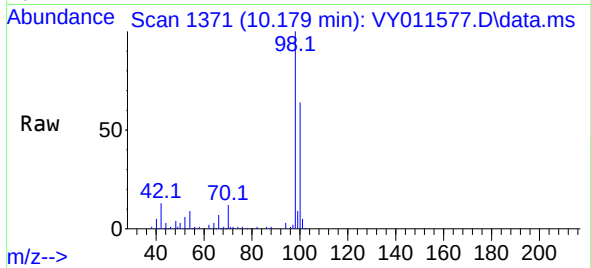




#50
Toluene-d8
Concen: 54.668 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

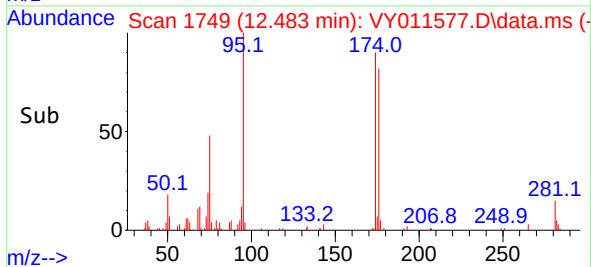
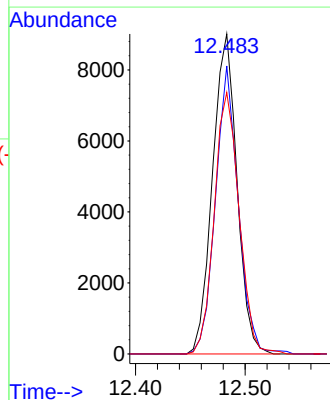
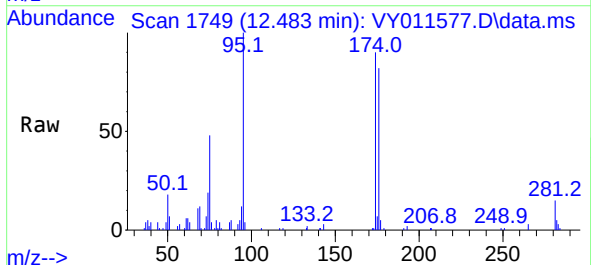
Instrument :
MSVOA_Y
ClientSampleId :

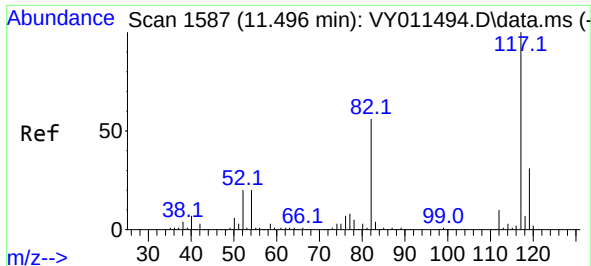
Tgt Ion: 98 Resp: 50334
Ion Ratio Lower Upper
98 100
100 62.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.023 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion: 95 Resp: 13965
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 83.1 0.0 175.8

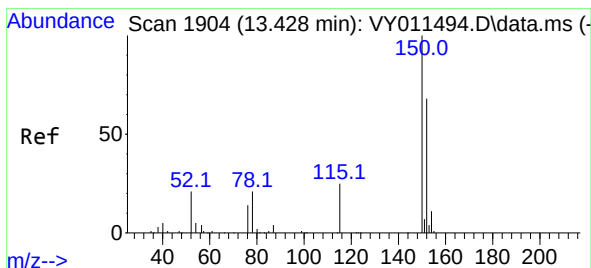
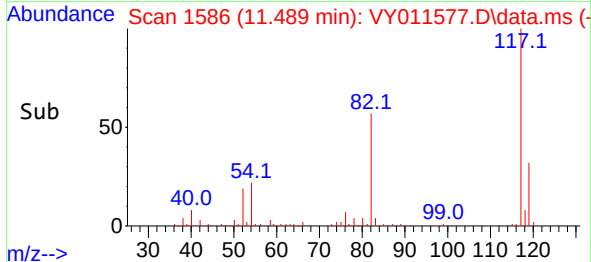
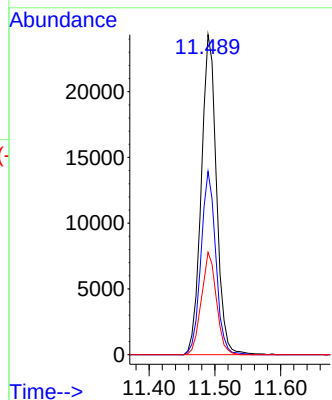
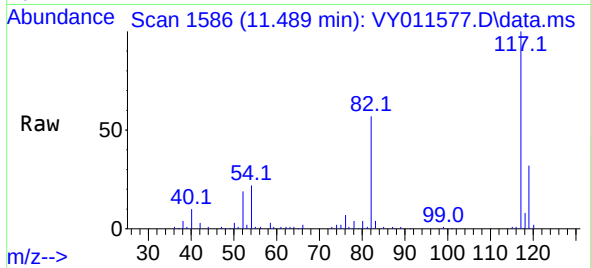




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

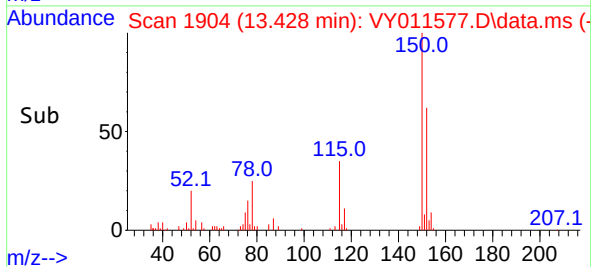
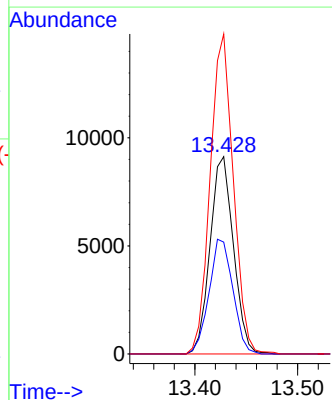
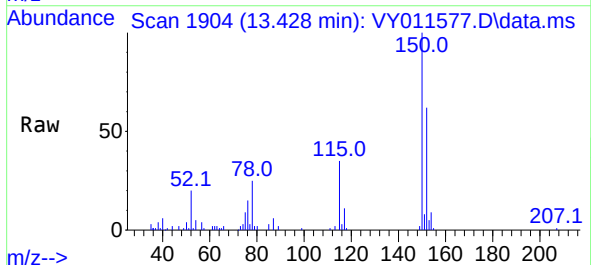
Instrument :
MSVOA_Y
ClientSampleId :

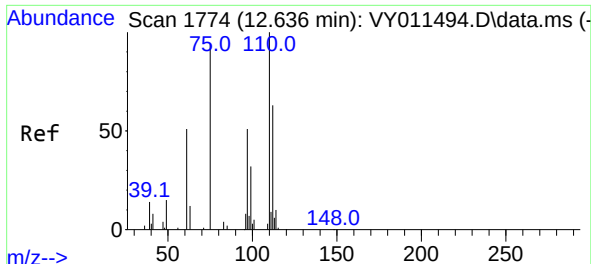
Tgt Ion:117 Resp: 39134
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion:152 Resp: 14440
Ion Ratio Lower Upper
152 100
115 59.3 28.2 84.7
150 160.1 0.0 347.6

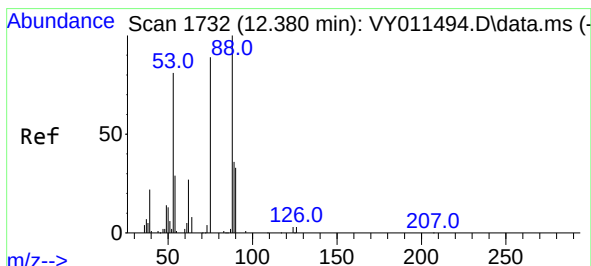
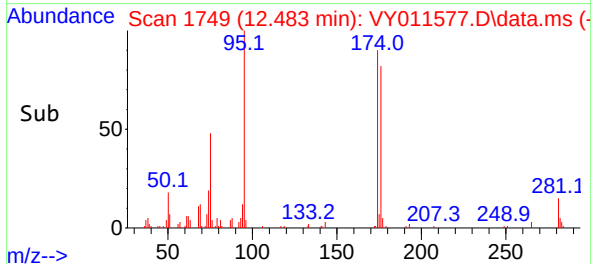
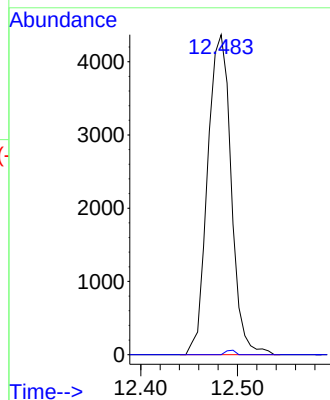
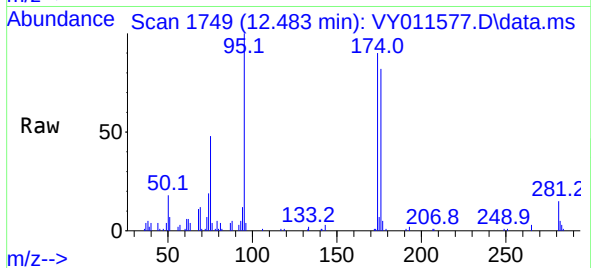




#76
1,2,3-Trichloropropane
Concen: 47.528 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 7391
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.102 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011577.D
Acq: 23 Nov 2022 15:57

Tgt Ion: 75 Resp: 7391
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

