

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111522\
 Data File : VY011461.D
 Acq On : 15 Nov 2022 16:22
 Operator : KP/MD
 Sample : N5617-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12013

Quant Time: Nov 16 00:21:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

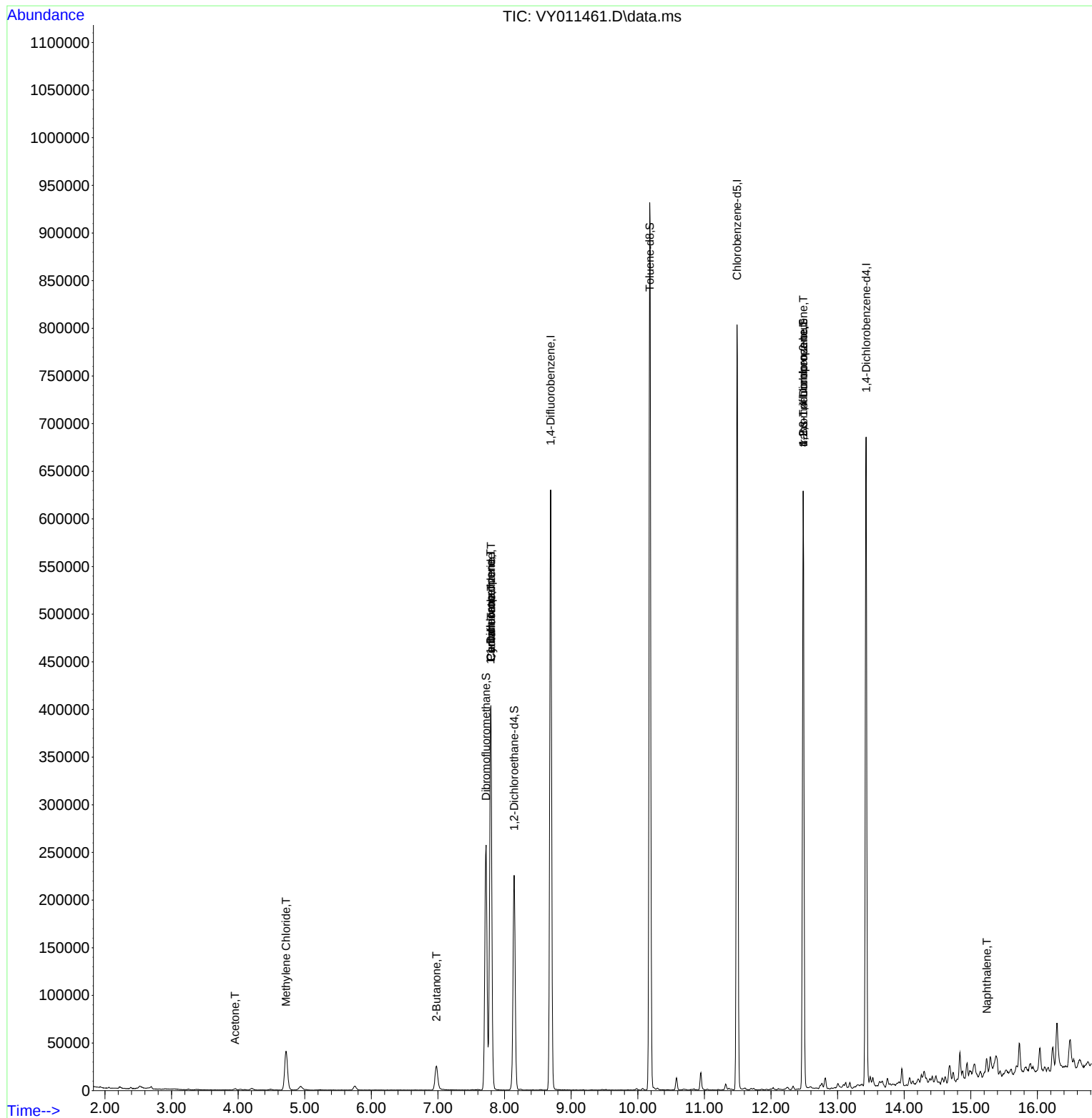
Internal Standards						
1) Pentafluorobenzene	7.795	168	334260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	567683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	472424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	172525	61.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.180%	
35) Dibromofluoromethane	7.722	113	186121	58.502	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.000%	
50) Toluene-d8	10.179	98	644997	53.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	12.483	95	196605	46.378	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.760%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	146	Below Cal	#	Qvalue 43
11) Tert butyl alcohol	4.942	59	5835	Below Cal	#	83
16) Acetone	3.954	43	2416	3.269	ug/l	90
18) Methyl Acetate	4.473	43	876	Below Cal		93
20) Methylene Chloride	4.716	84	34850	1.390	ug/l #	77
25) 2-Butanone	6.978	43	1408	1.337	ug/l #	91
31) Cyclohexane	7.795	56	5361	1.065	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	23180	4.694	ug/l #	51
38) Carbon Tetrachloride	7.795	117	31347	5.836	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	92275	42.959	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	92275	103.260	ug/l #	7
95) Naphthalene	15.239	128	16984	5.536	ug/l	97

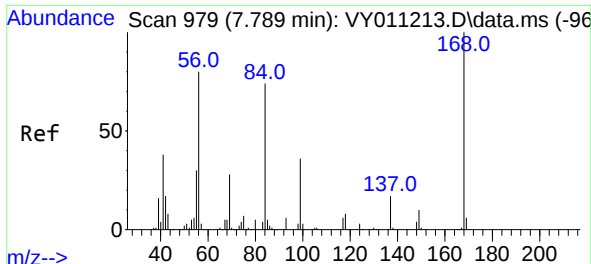
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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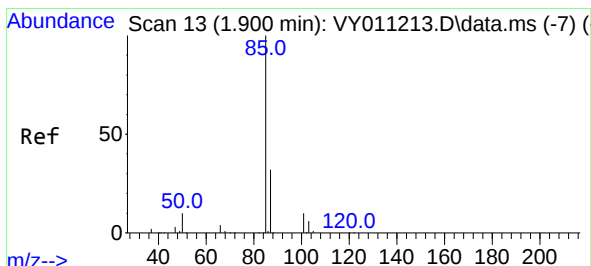
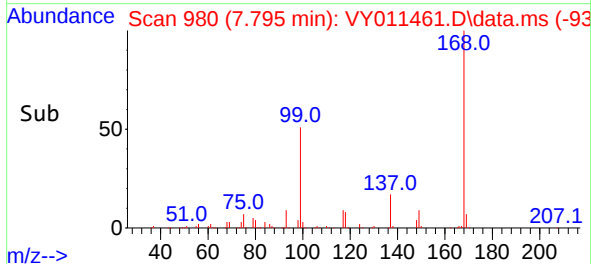
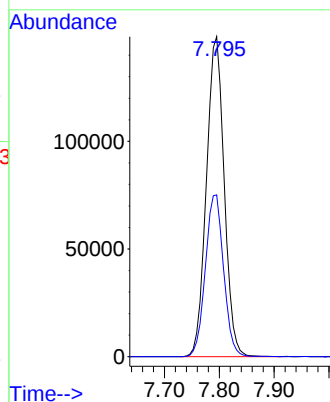
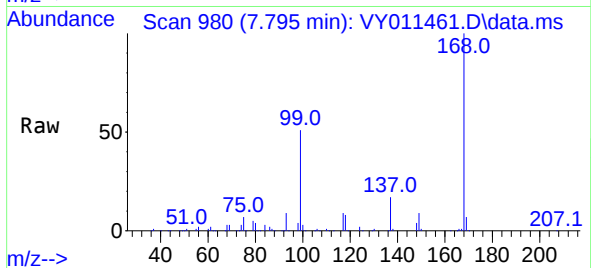




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

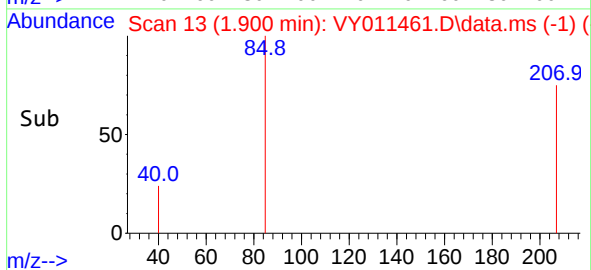
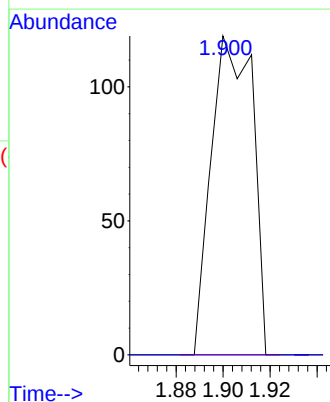
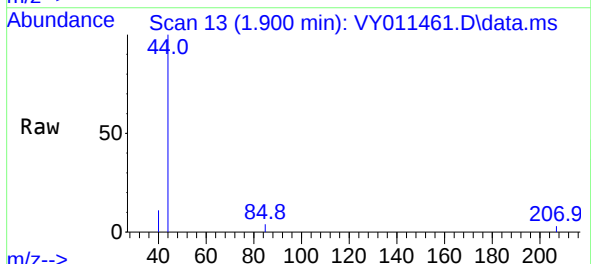
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

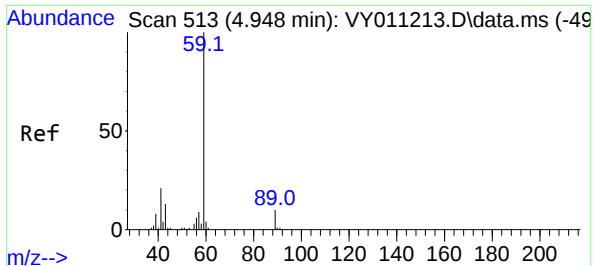
Tgt Ion:168 Resp: 334260
Ion Ratio Lower Upper
168 100
99 50.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion: 85 Resp: 146
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY011461.D

Acq: 15 Nov 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

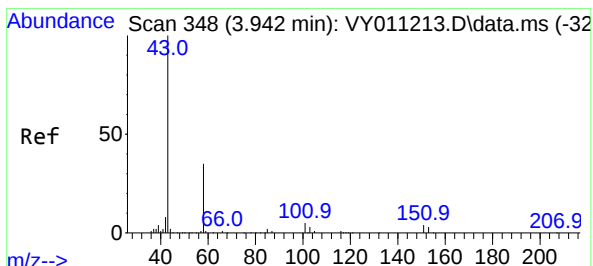
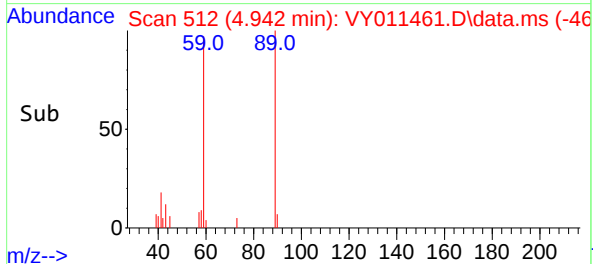
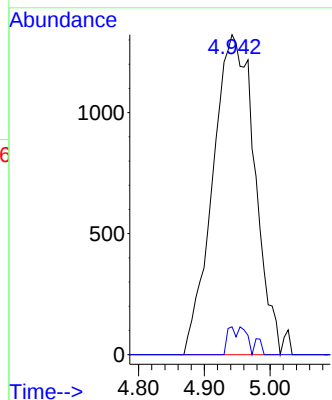
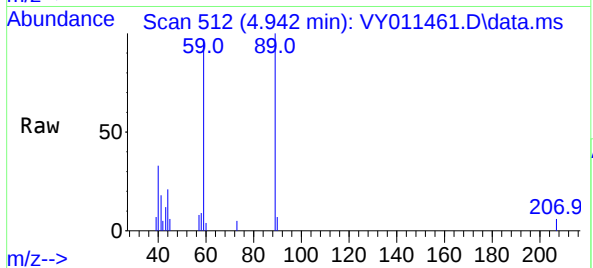
72-12013

Tgt Ion: 59 Resp: 5835

Ion Ratio Lower Upper

59 100

57 1.9 6.4 9.6#



#16

Acetone

Concen: 3.269 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY011461.D

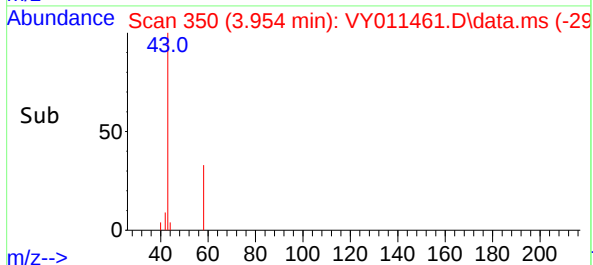
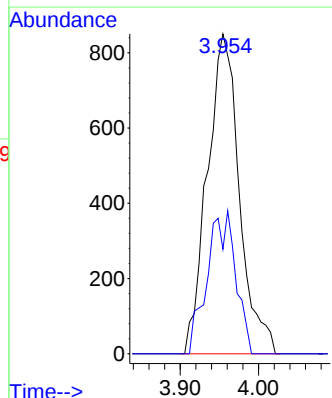
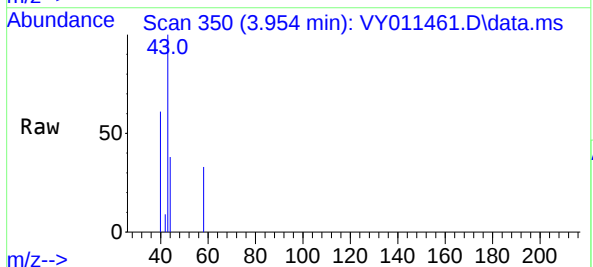
Acq: 15 Nov 2022 16:22

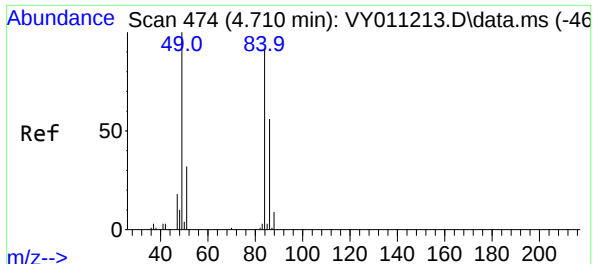
Tgt Ion: 43 Resp: 2416

Ion Ratio Lower Upper

43 100

58 32.7 22.0 33.0



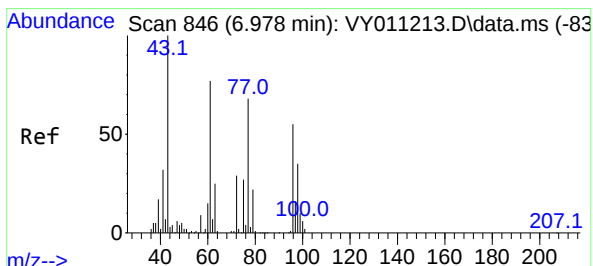
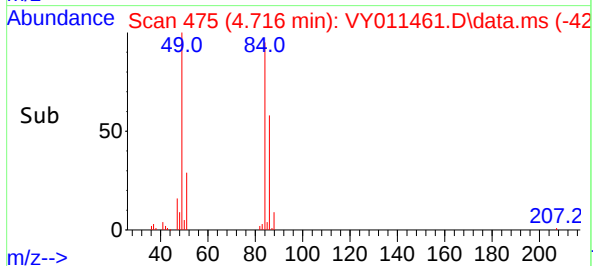
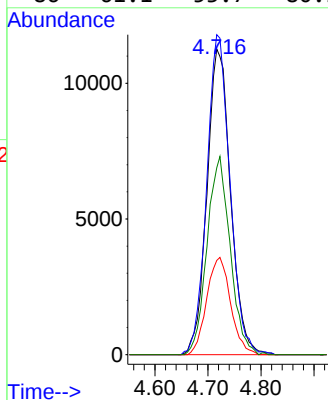
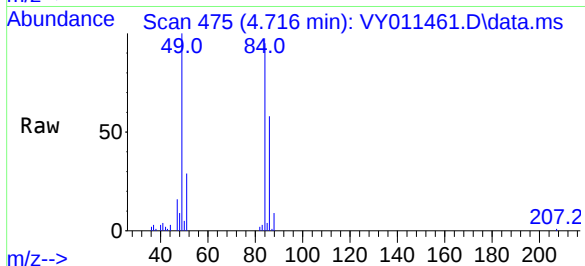


#20
Methylene Chloride
Concen: 1.390 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Instrument :
MSVOA_Y
ClientSampleId :
72-12013

Tgt Ion: 84 Resp: 34850

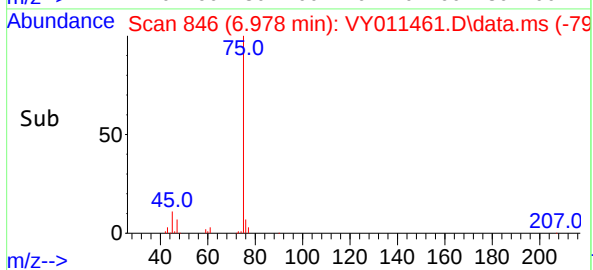
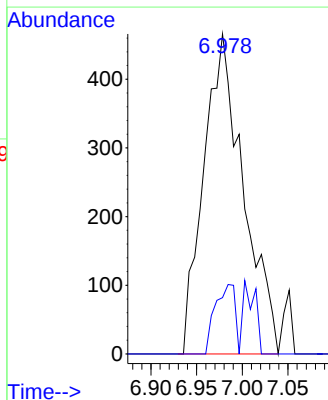
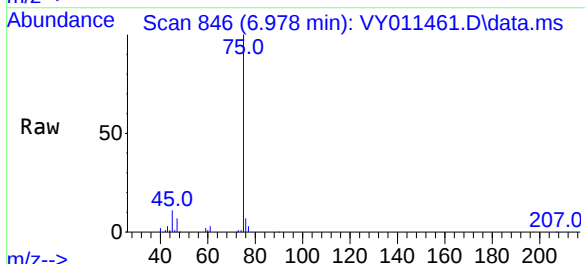
Ion	Ratio	Lower	Upper
84	100		
49	104.7	114.4	171.6#
51	30.8	35.3	52.9#
86	61.1	53.7	80.5

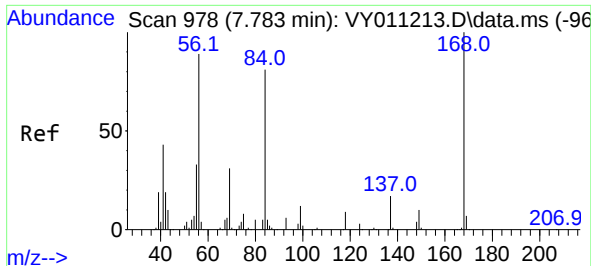


#25
2-Butanone
Concen: 1.337 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion: 43 Resp: 1408

Ion	Ratio	Lower	Upper
43	100		
72	17.6	17.7	26.5#

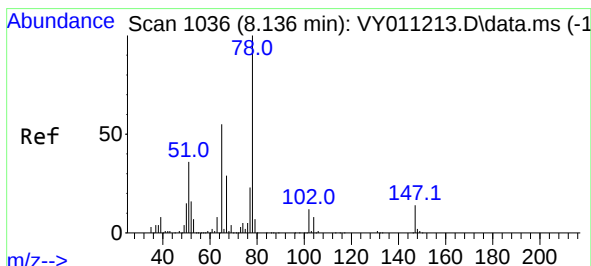
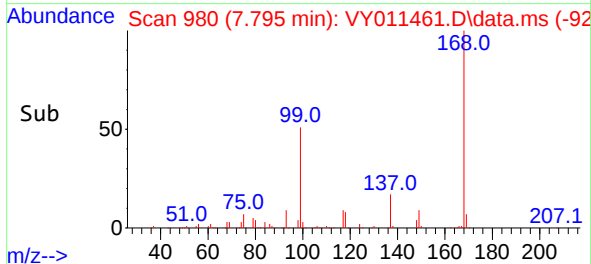
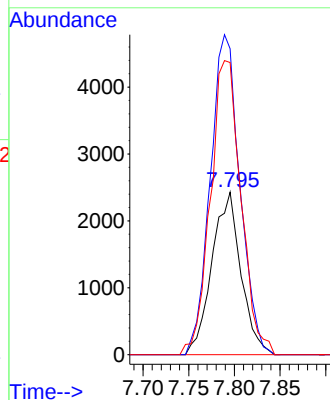
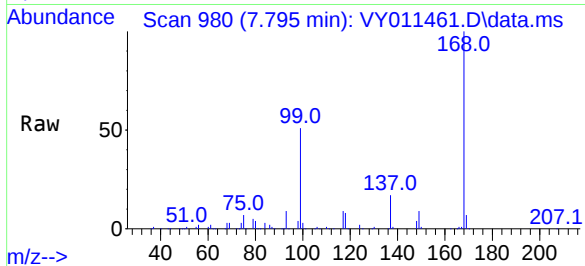




#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

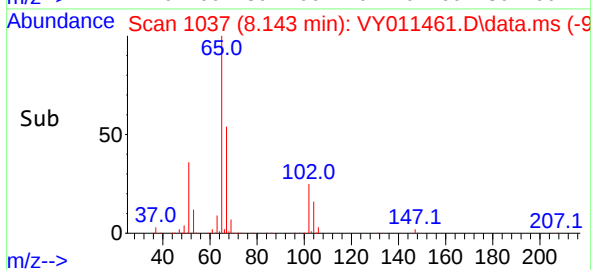
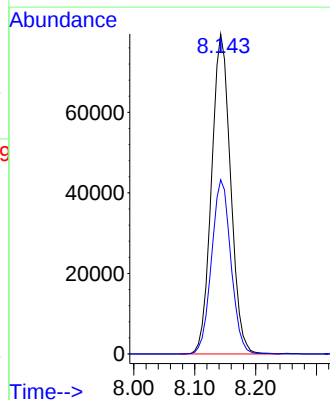
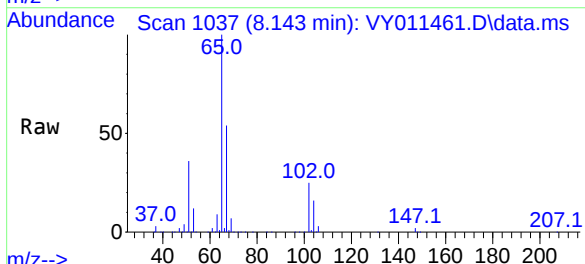
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

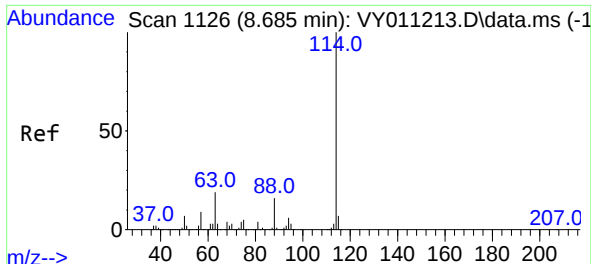
Tgt Ion: 56 Resp: 5361
Ion Ratio Lower Upper
56 100
69 188.2 26.7 40.1#
84 179.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 61.594 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion: 65 Resp: 172525
Ion Ratio Lower Upper
65 100
67 55.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011461.D

Acq: 15 Nov 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

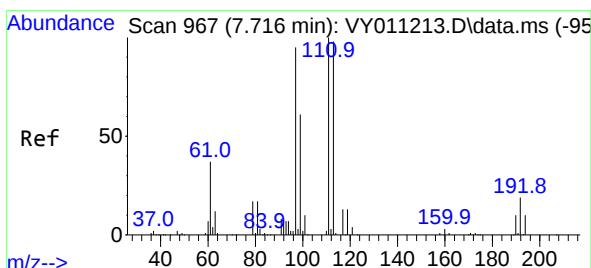
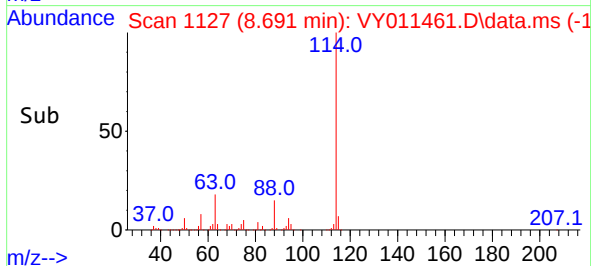
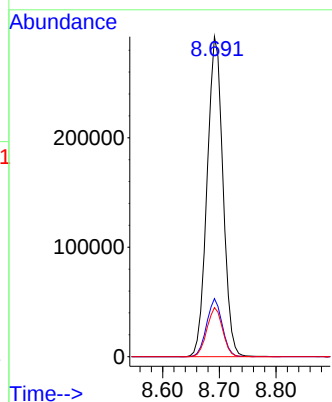
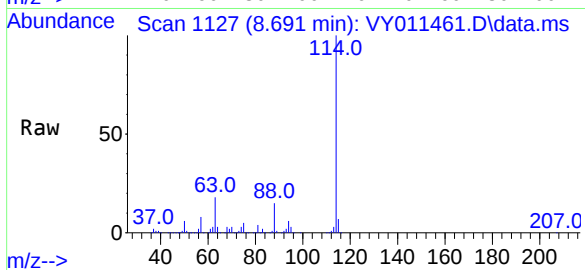
Tgt Ion:114 Resp: 567683

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.502 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY011461.D

Acq: 15 Nov 2022 16:22

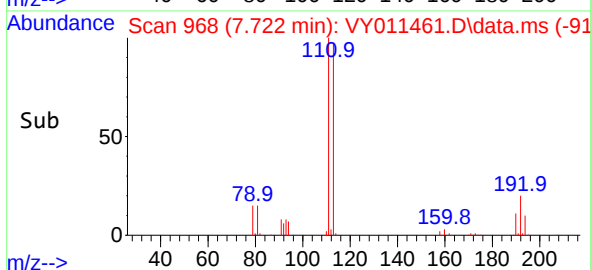
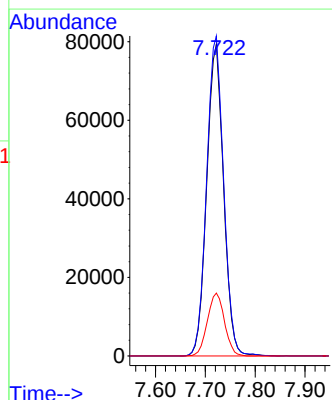
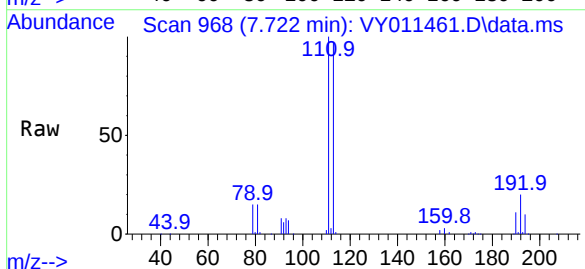
Tgt Ion:113 Resp: 186121

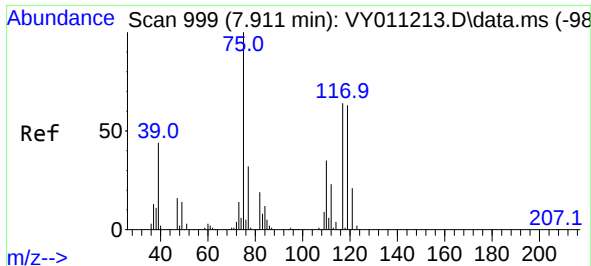
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 20.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011461.D

Acq: 15 Nov 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

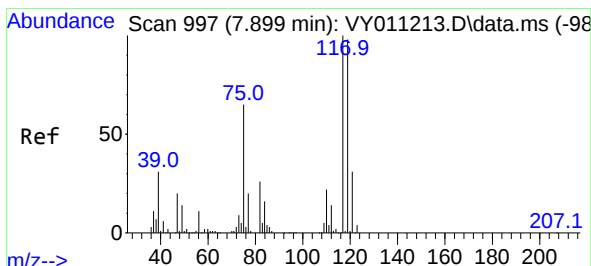
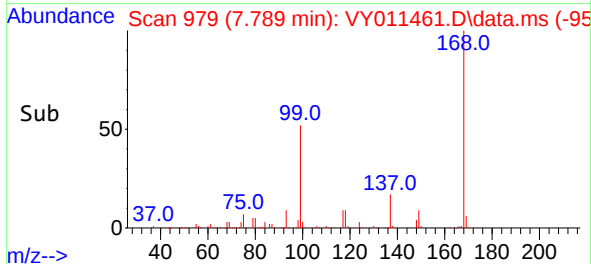
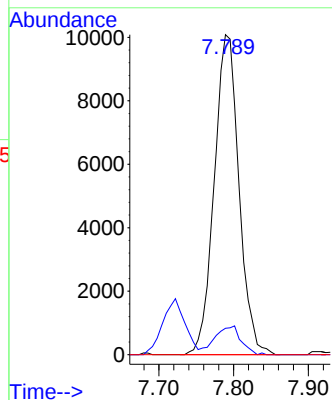
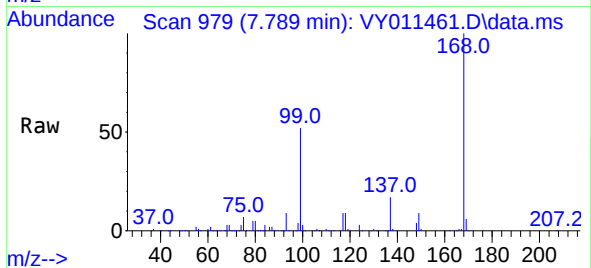
Tgt Ion: 75 Resp: 23180

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY011461.D

Acq: 15 Nov 2022 16:22

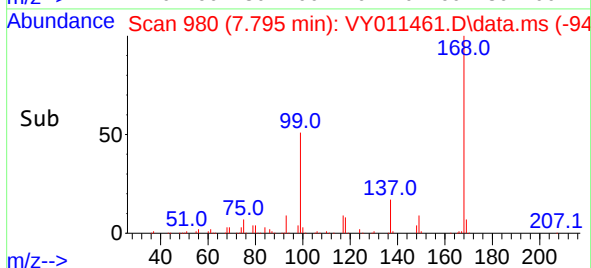
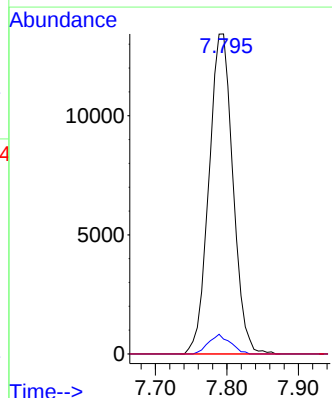
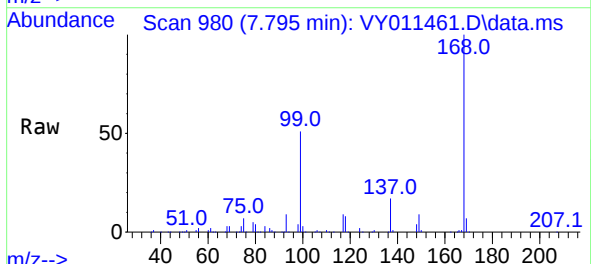
Tgt Ion: 117 Resp: 31347

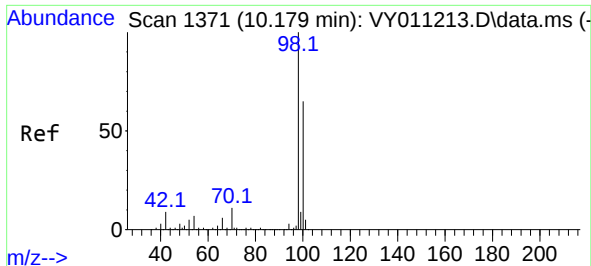
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

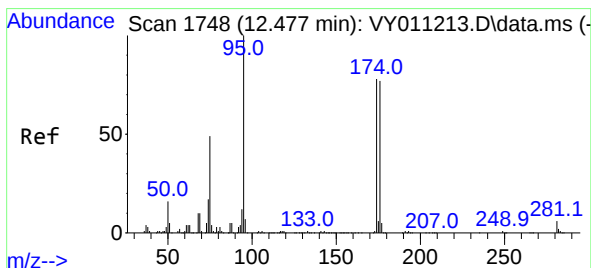
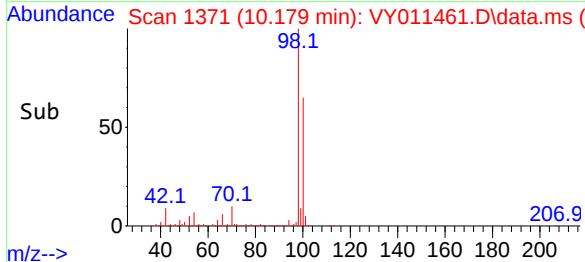
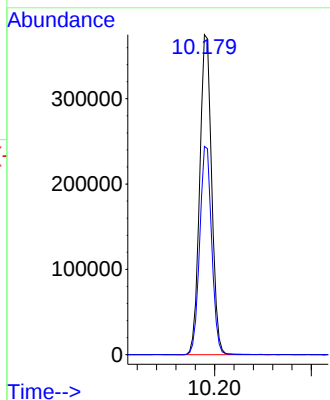
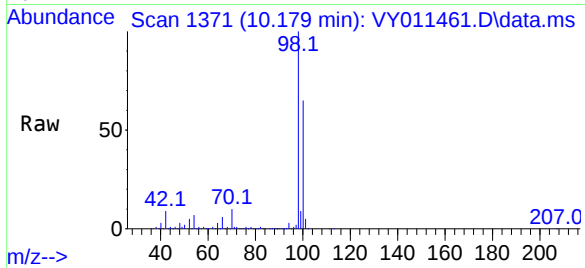




#50
Toluene-d8
Concen: 53.069 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

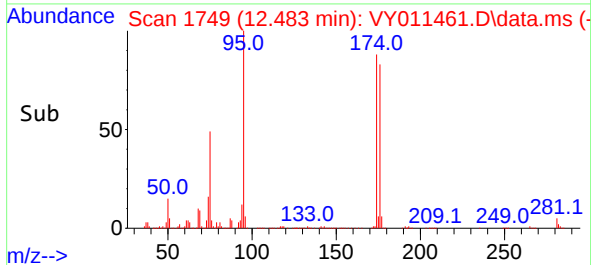
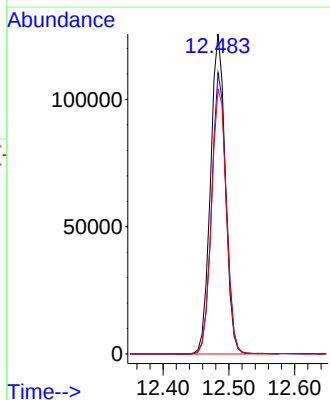
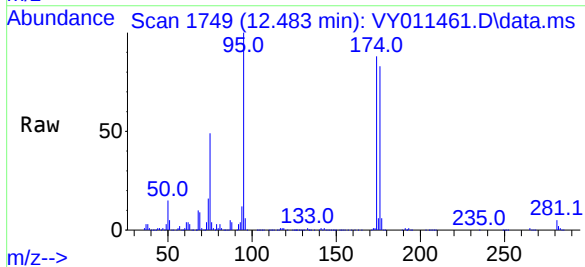
Instrument :
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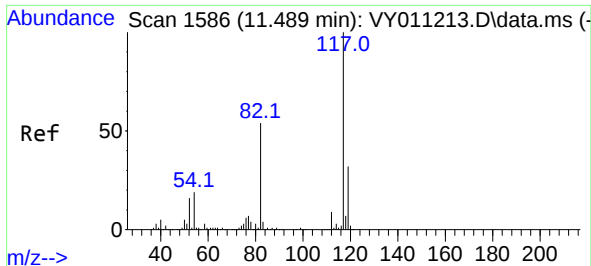
Tgt Ion: 98 Resp: 644997
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.378 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion: 95 Resp: 196605
Ion Ratio Lower Upper
95 100
174 86.9 0.0 177.0
176 83.3 0.0 175.8

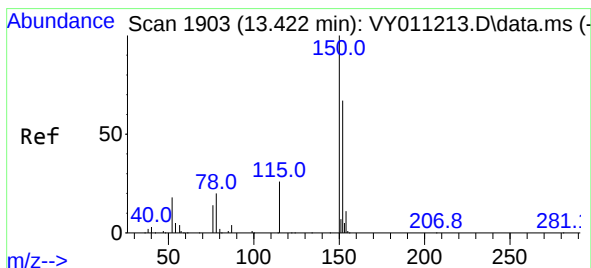
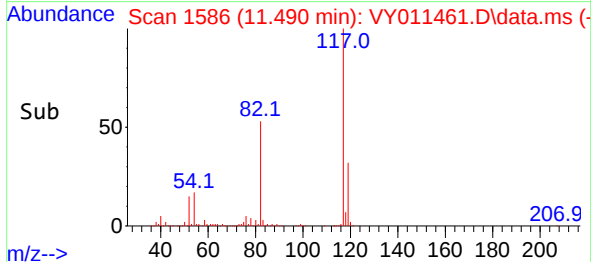
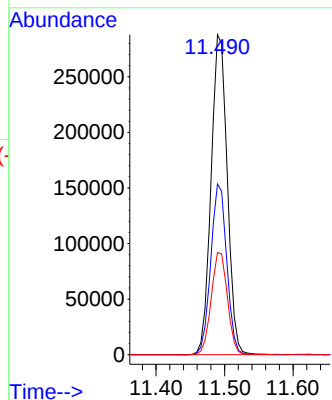
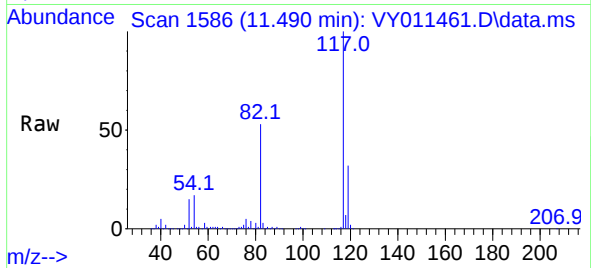




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

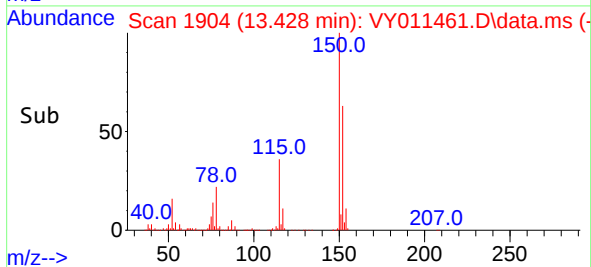
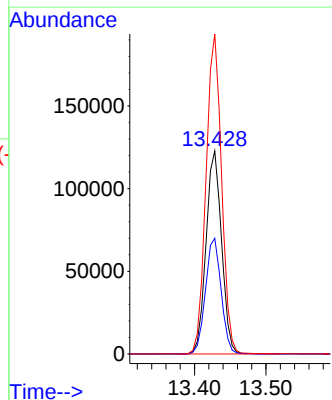
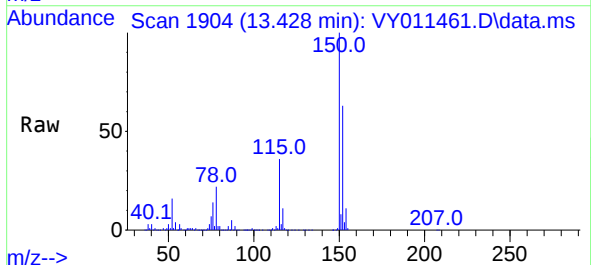
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

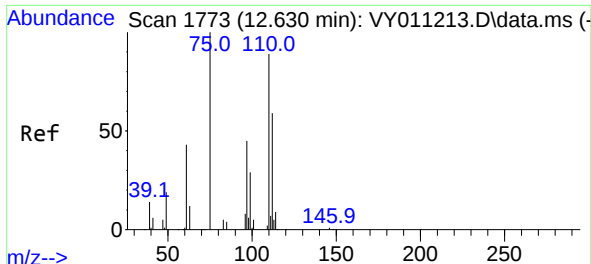
Tgt Ion:117 Resp: 472424
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion:152 Resp: 185567
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 157.6 0.0 347.6

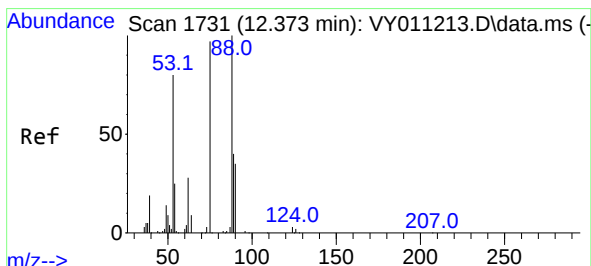
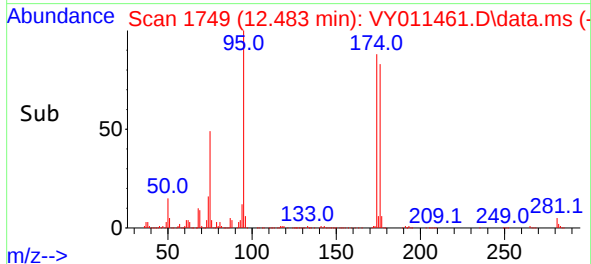
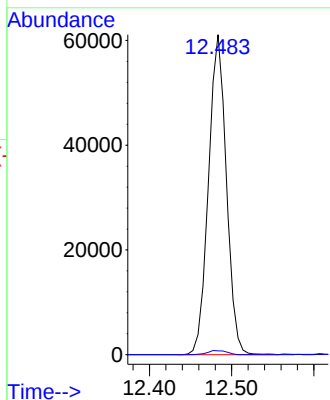
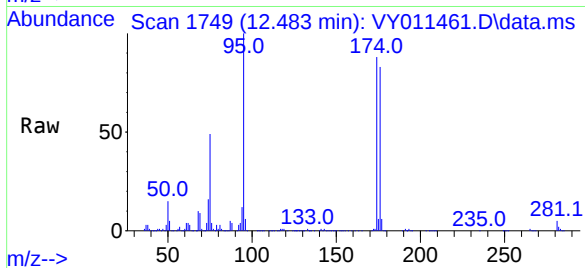




#76
1,2,3-Trichloropropane
Concen: 42.959 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

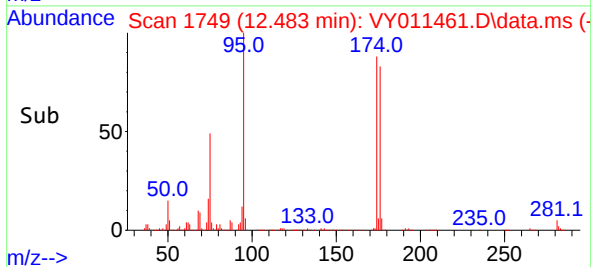
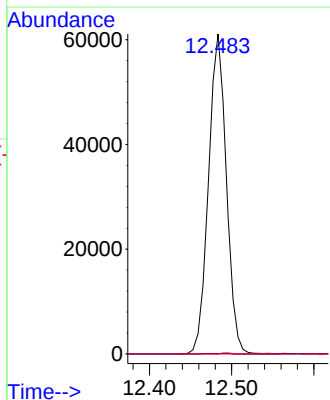
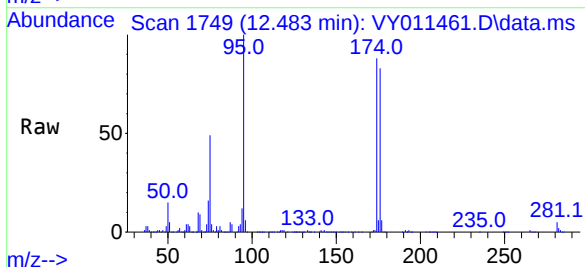
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

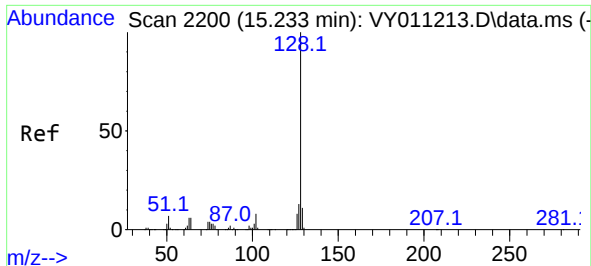
Tgt Ion: 75 Resp: 92275
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.260 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011461.D
Acq: 15 Nov 2022 16:22

Tgt Ion: 75 Resp: 92275
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#





#95

Naphthalene

Concen: 5.536 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011461.D

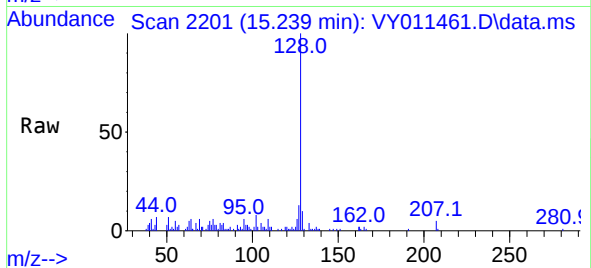
Acq: 15 Nov 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

72-12013



Tgt Ion:128 Resp: 16984

Ion Ratio Lower Upper

128 100

127 14.1 11.0 16.4

129 12.5 8.4 12.6

