

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012071.D
 Acq On : 04 Jan 2023 15:59
 Operator : KP/MD
 Sample : 01029-04
 Misc : 6.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-204

Quant Time: Jan 05 00:42:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

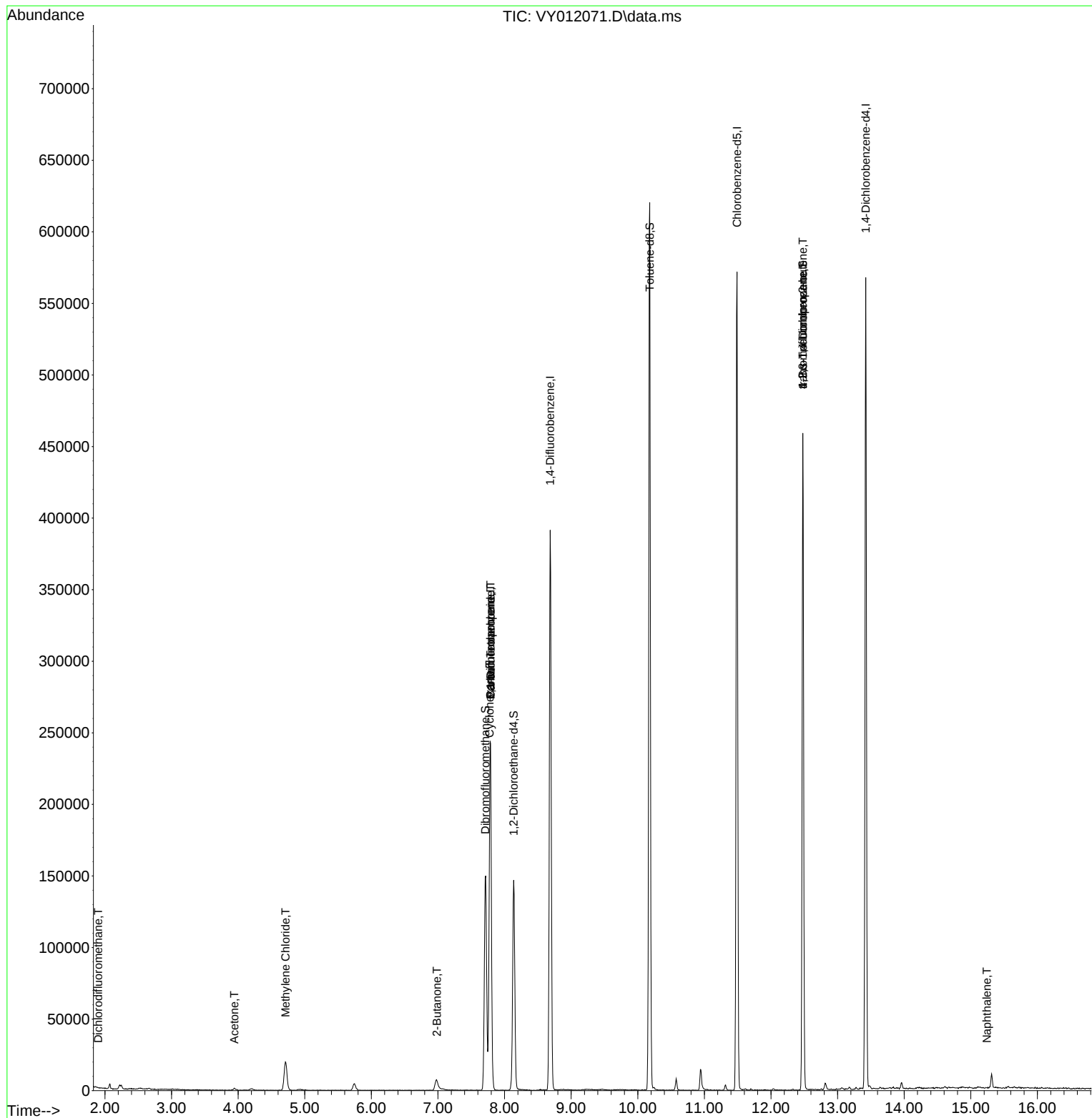
Internal Standards						
1) Pentafluorobenzene	7.789	168	197299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	348081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	326741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	117956	59.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.680%	
35) Dibromofluoromethane	7.710	113	106418	50.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.179	98	415770	48.902	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.477	95	134383	46.996	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	23	2.481	ug/l #	41
11) Tert butyl alcohol	4.930	59	1137	Below Cal	#	74
16) Acetone	3.942	43	2388	8.820	ug/l #	79
20) Methylene Chloride	4.710	84	16202	1.203	ug/l	92
25) 2-Butanone	6.984	43	1464	2.211	ug/l #	83
31) Cyclohexane	7.777	56	3588	1.072	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	14058	4.182	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19928	5.133	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	70836	38.296	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70836	104.874	ug/l #	13
95) Naphthalene	15.239	128	479	2.861	ug/l #	75

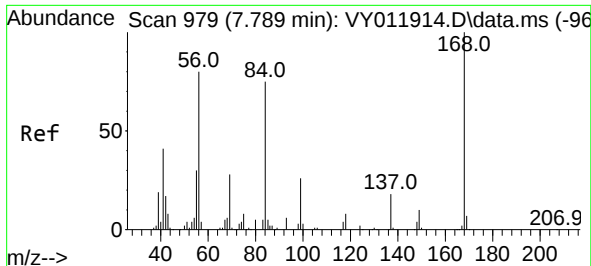
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
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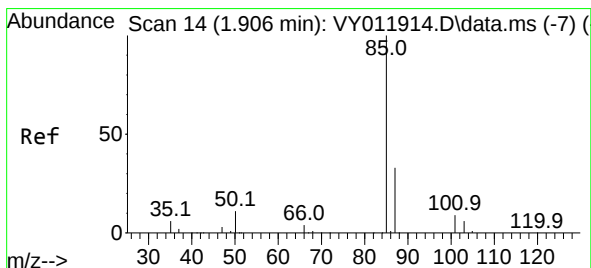
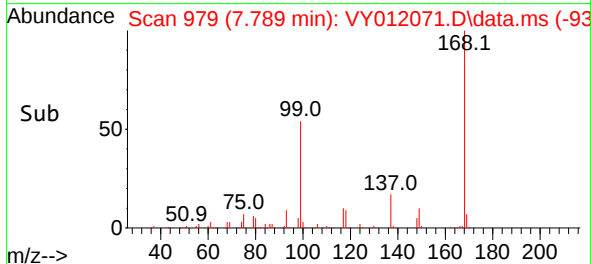
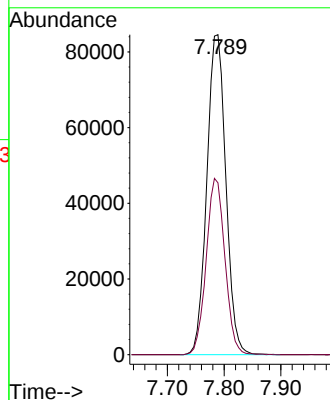
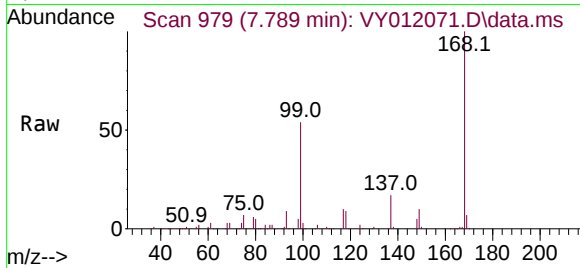




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

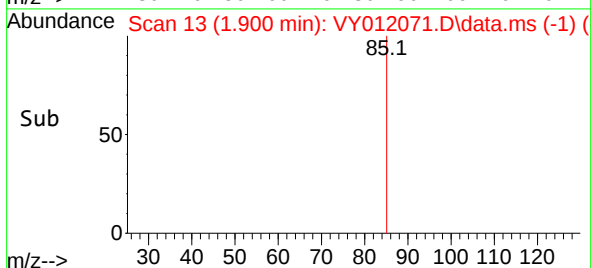
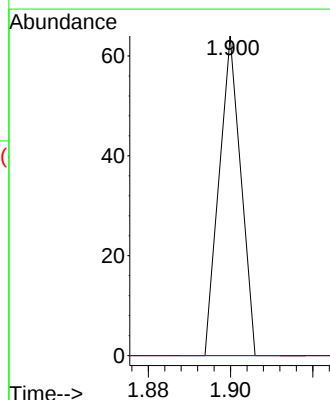
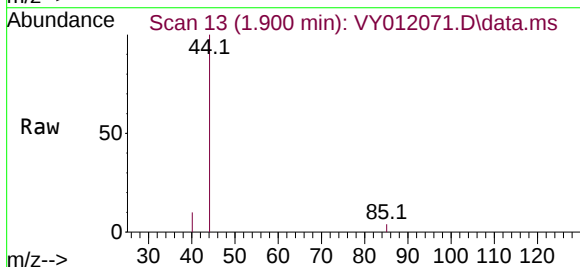
Instrument :
MSVOA_Y
ClientSampleId :
TP-204

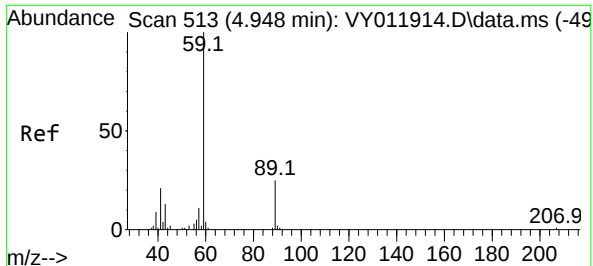
Tgt Ion:168 Resp: 197299
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.481 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012071.D

Acq: 04 Jan 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

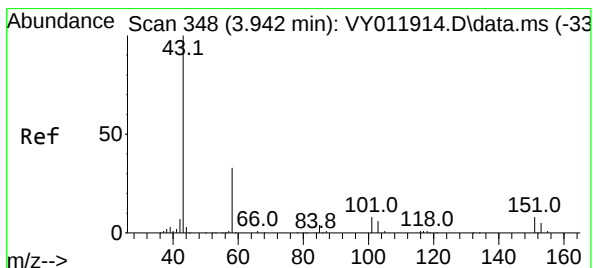
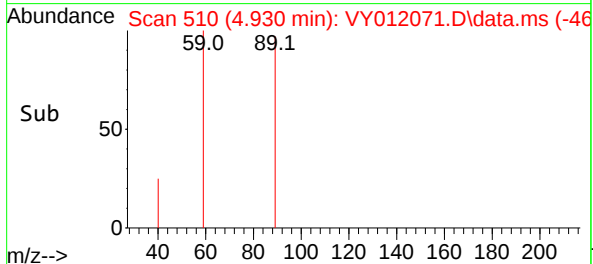
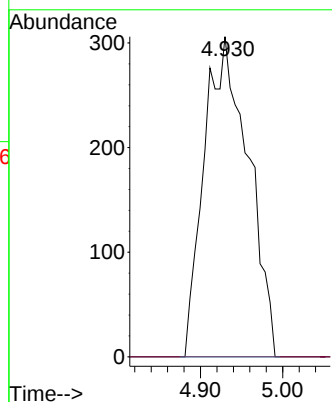
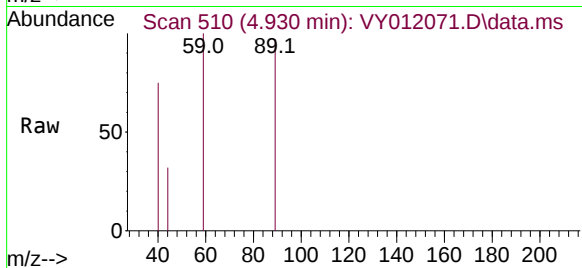
TP-204

Tgt Ion: 59 Resp: 1137

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 8.820 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY012071.D

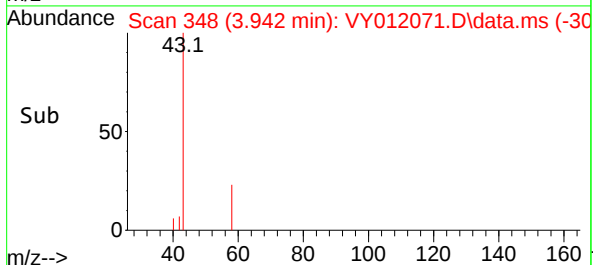
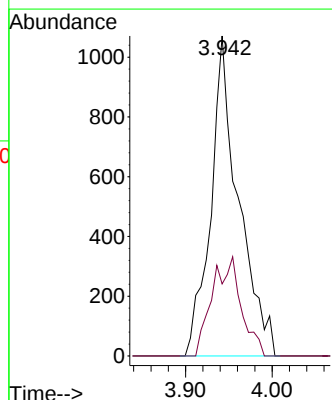
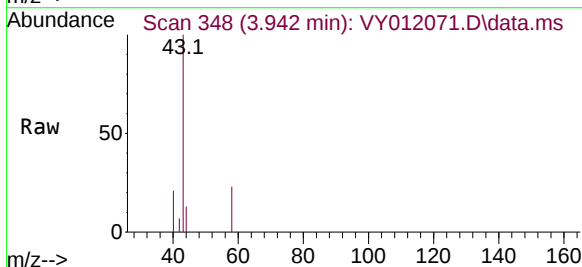
Acq: 04 Jan 2023 15:59

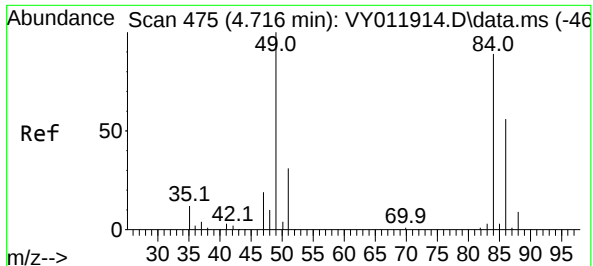
Tgt Ion: 43 Resp: 2388

Ion Ratio Lower Upper

43 100

58 22.5 27.9 41.9#





#20

Methylene Chloride

Concen: 1.203 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012071.D

Acq: 04 Jan 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-204

Tgt Ion: 84 Resp: 16202

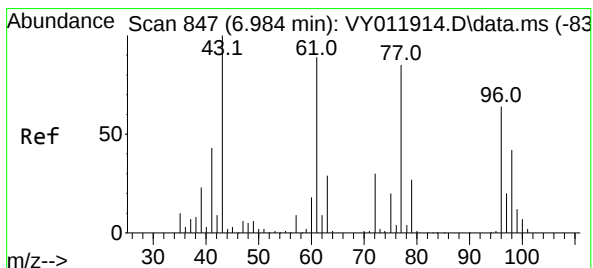
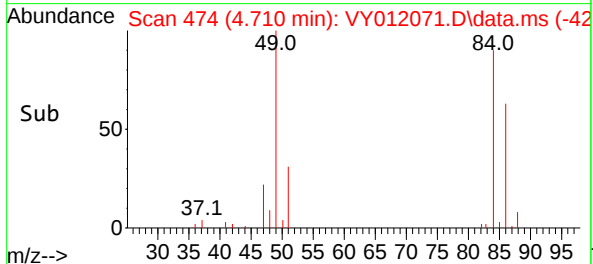
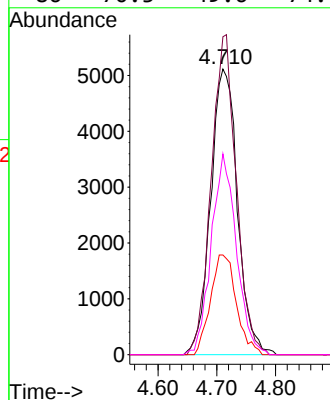
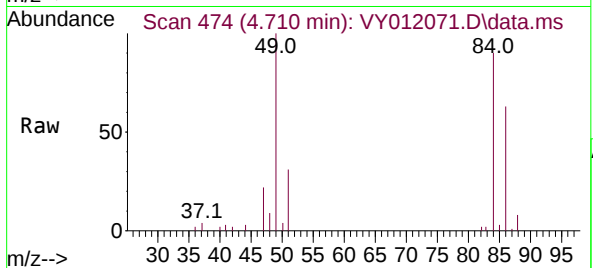
Ion Ratio Lower Upper

84 100

49 111.3 95.4 143.2

51 34.9 29.9 44.9

86 70.3 49.6 74.4



#25

2-Butanone

Concen: 2.211 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012071.D

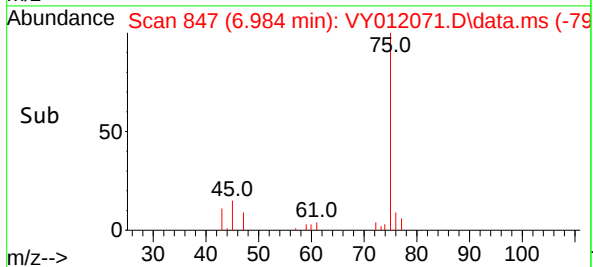
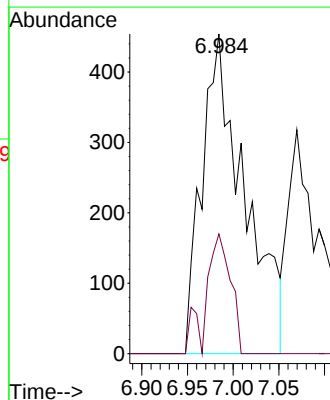
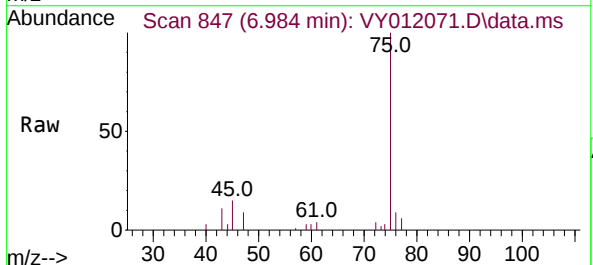
Acq: 04 Jan 2023 15:59

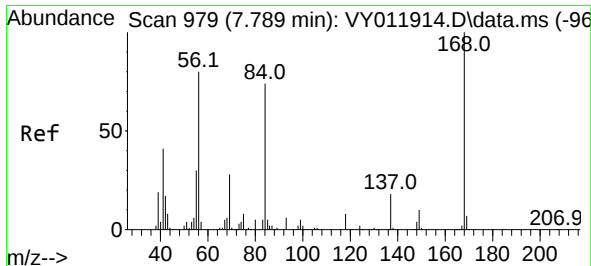
Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

43 100

72 37.4 22.6 34.0#

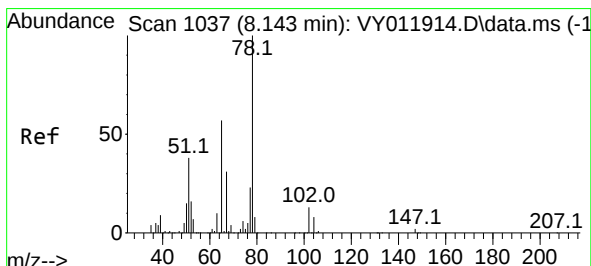
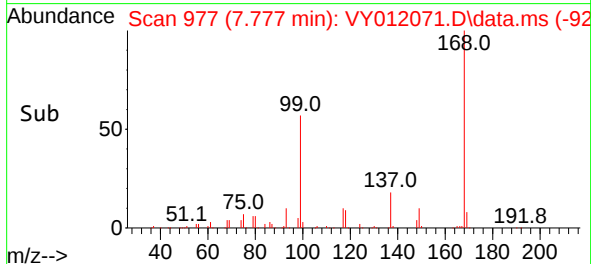
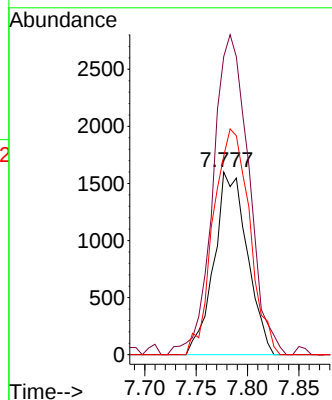
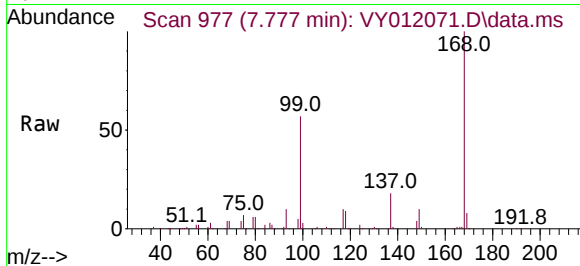




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

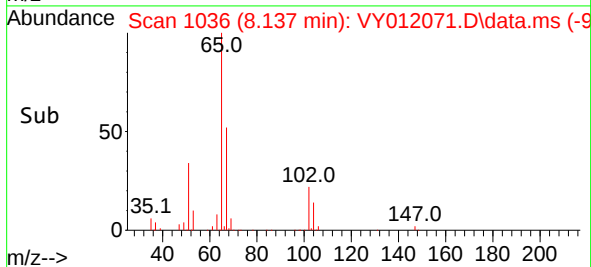
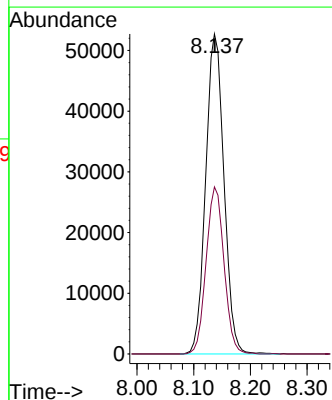
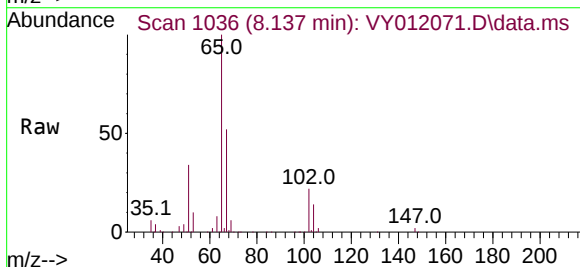
Instrument :
MSVOA_Y
ClientSampleId :
TP-204

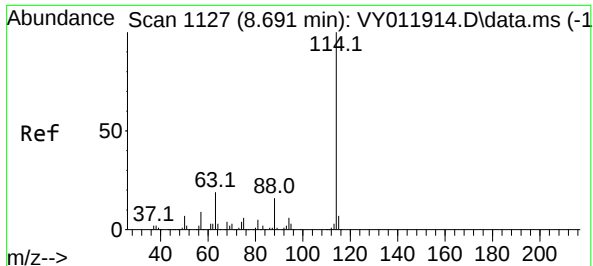
Tgt Ion: 56 Resp: 3588
Ion Ratio Lower Upper
56 100
69 159.2 29.2 43.8#
84 108.8 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 59.342 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion: 65 Resp: 117956
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012071.D

Acq: 04 Jan 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-204

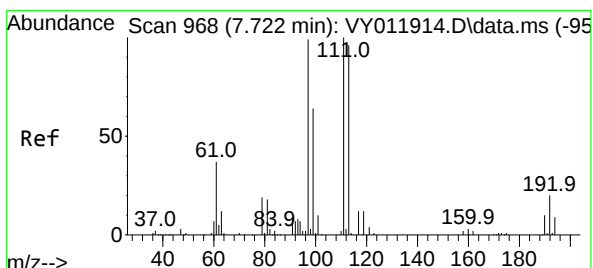
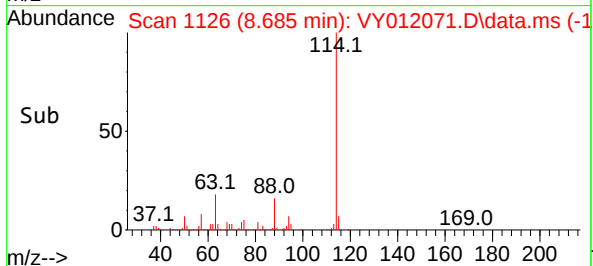
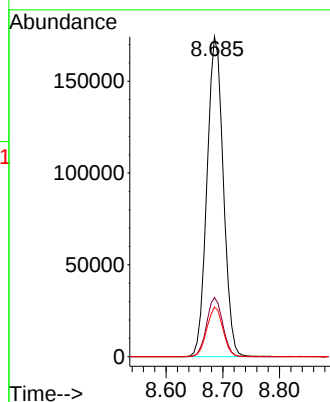
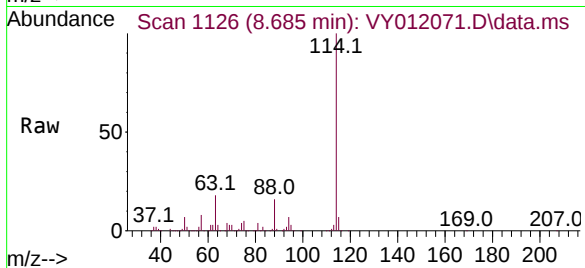
Tgt Ion:114 Resp: 348081

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.783 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012071.D

Acq: 04 Jan 2023 15:59

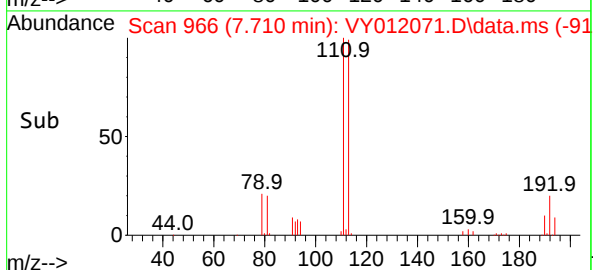
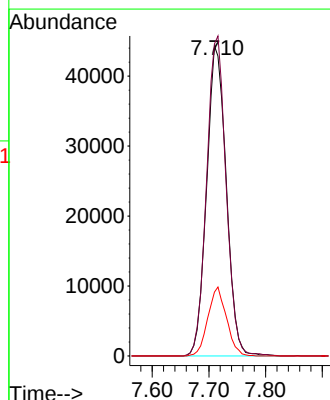
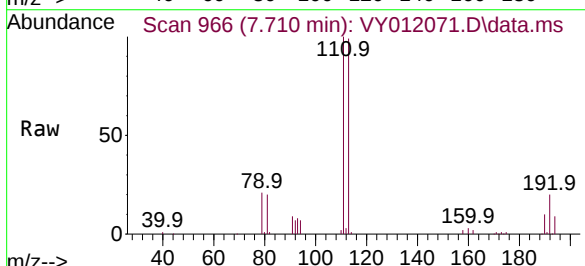
Tgt Ion:113 Resp: 106418

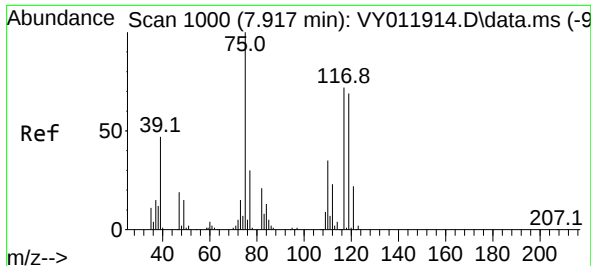
Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

192 21.1 16.0 24.0

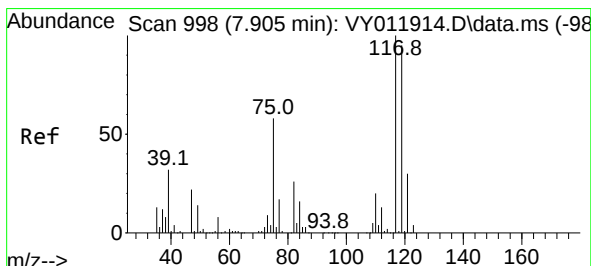
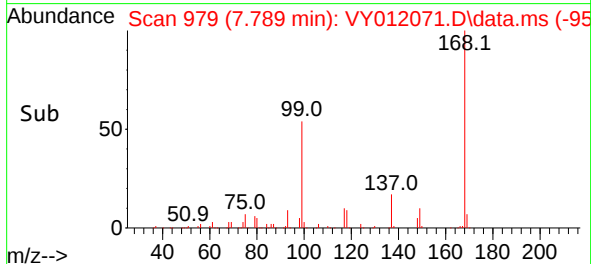
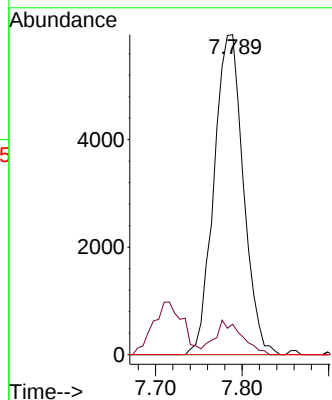
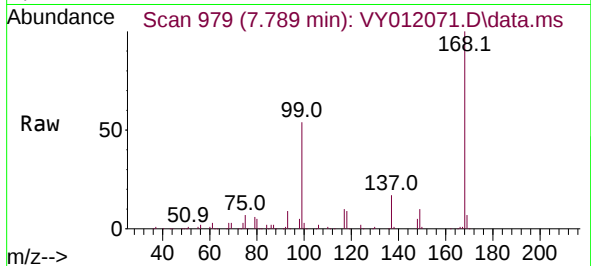




#36
1,1-Dichloropropene
Concen: 4.182 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

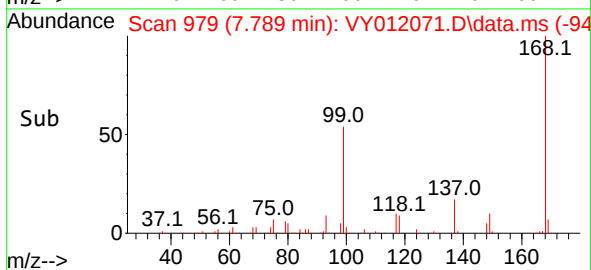
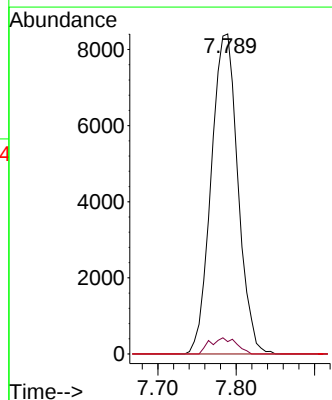
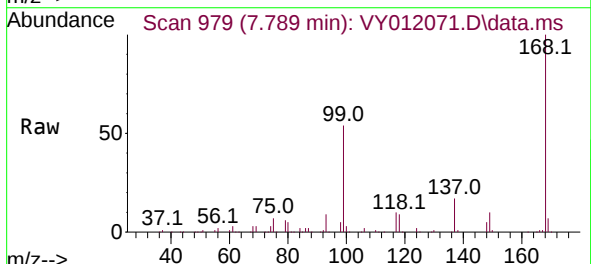
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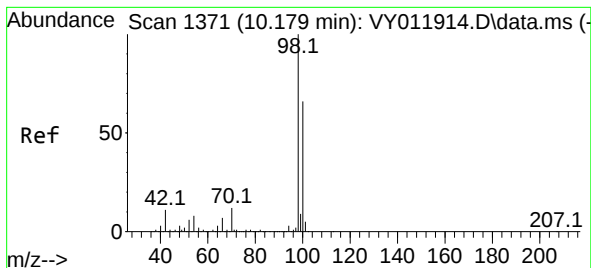
Tgt Ion: 75 Resp: 14058
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.133 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion: 117 Resp: 19928
Ion Ratio Lower Upper
117 100
119 3.8 73.8 110.8#
121 0.0 25.2 37.8#

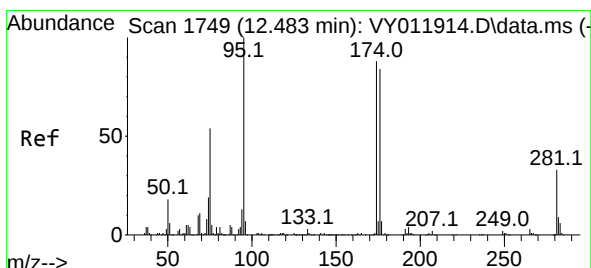
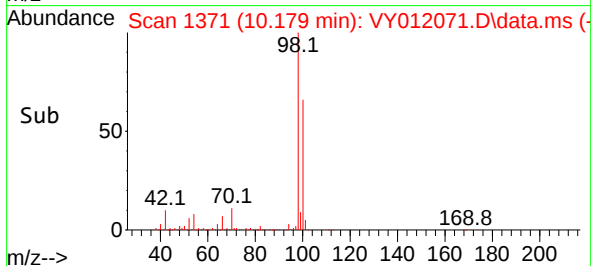
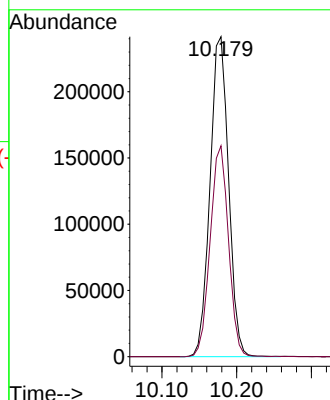
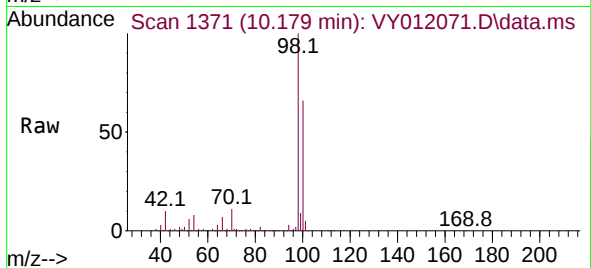




#50
Toluene-d8
Concen: 48.902 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

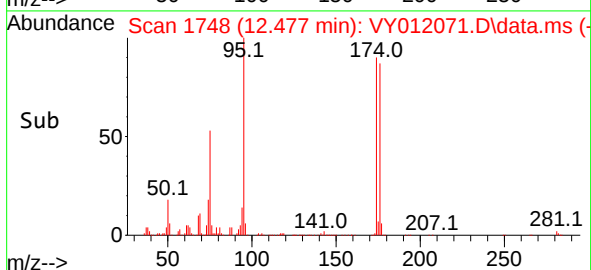
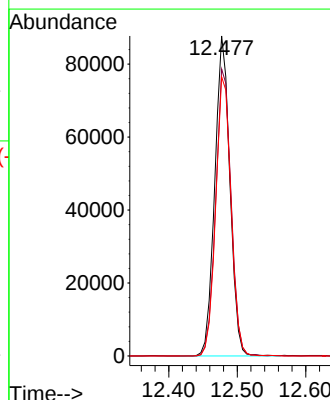
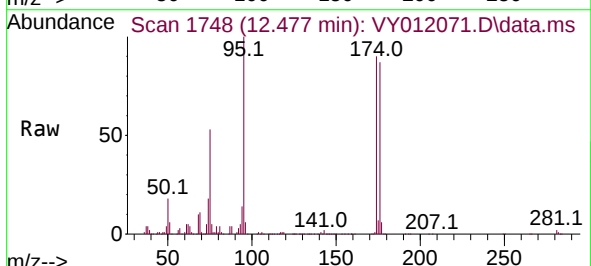
Instrument :
MSVOA_Y
ClientSampleId :
TP-204

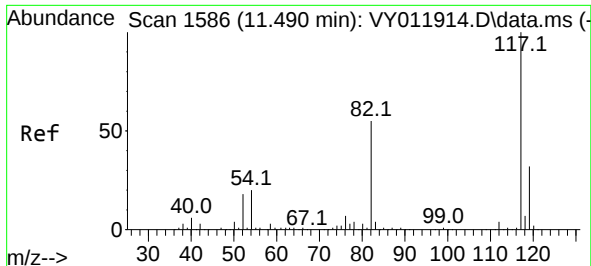
Tgt Ion: 98 Resp: 415770
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.996 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion: 95 Resp: 134383
Ion Ratio Lower Upper
95 100
174 91.1 0.0 172.0
176 88.4 0.0 167.6

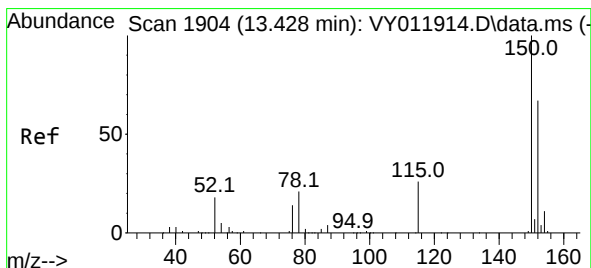
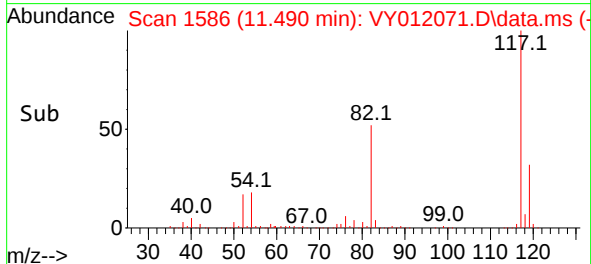
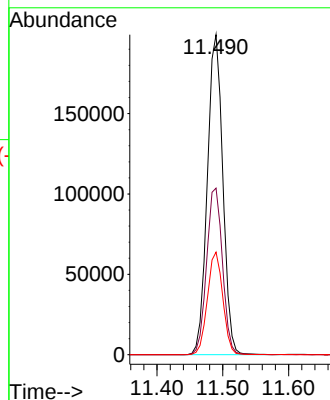
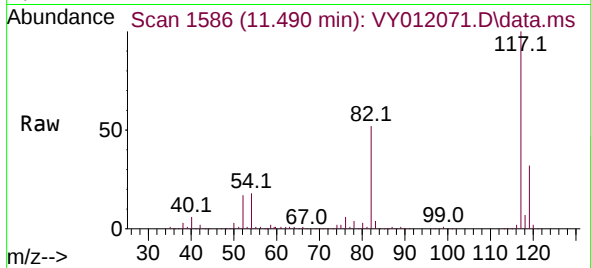




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

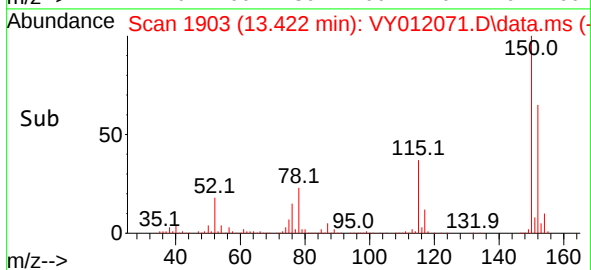
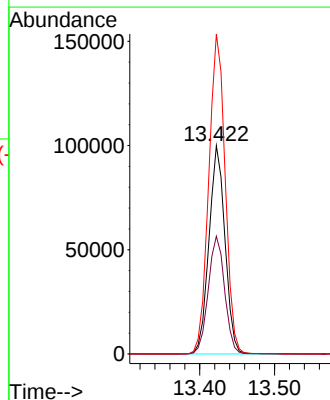
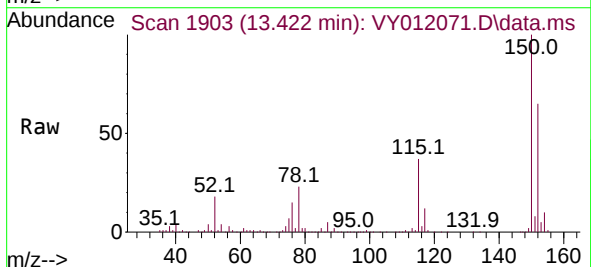
Instrument :
MSVOA_Y
ClientSampleId :
TP-204

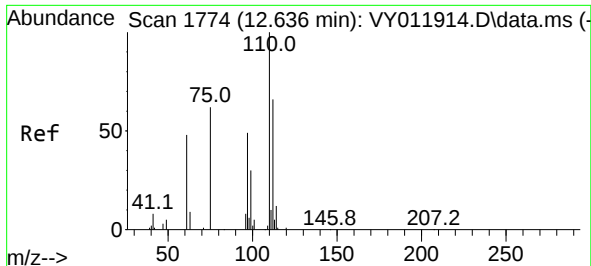
Tgt Ion:117 Resp: 326741
Ion Ratio Lower Upper
117 100
82 52.1 44.8 67.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion:152 Resp: 148649
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 157.3 0.0 342.6

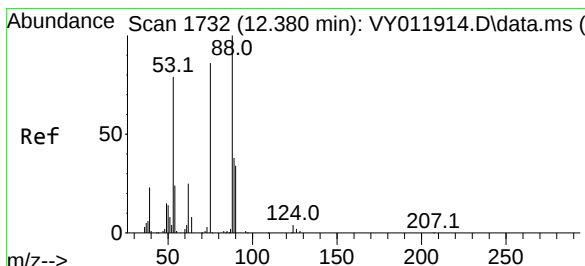
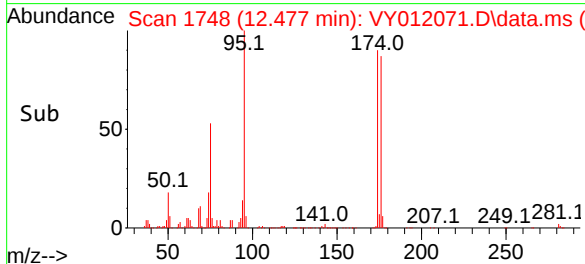
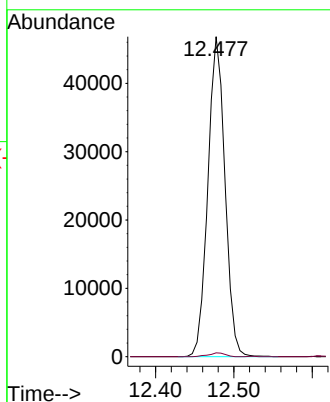
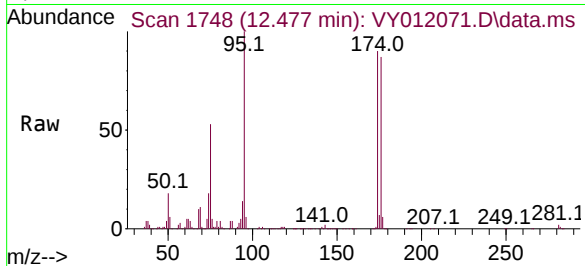




#76
1,2,3-Trichloropropane
Concen: 38.296 ug/l
RT: 12.477 min Scan# 1774
Delta R.T. -0.158 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

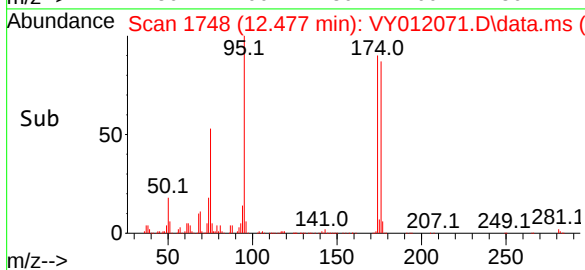
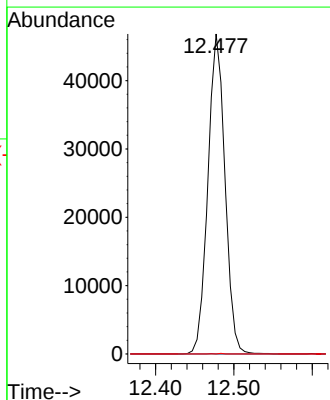
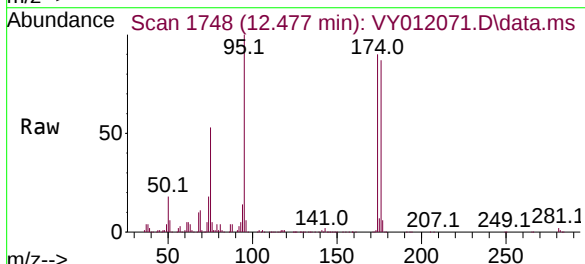
Instrument :
MSVOA_Y
ClientSampleId :
TP-204

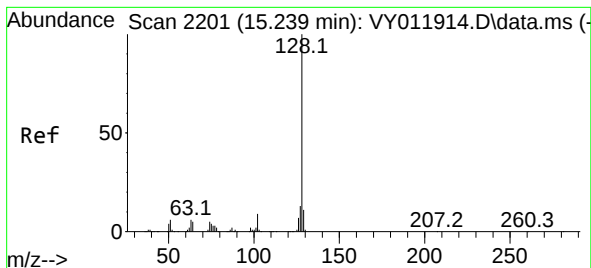
Tgt Ion: 75 Resp: 70836
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.874 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012071.D
Acq: 04 Jan 2023 15:59

Tgt Ion: 75 Resp: 70836
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.861 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012071.D

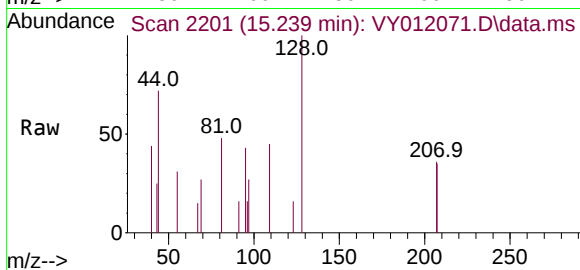
Acq: 04 Jan 2023 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TP-204



Tgt Ion:	128	Resp:	479
Ion	Ratio	Lower	Upper
128	100		
127	4.0	10.2	15.2#
129	0.0	8.8	13.2#

