

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081722\
 Data File : VY010069.D
 Acq On : 17 Aug 2022 15:28
 Operator : KP/MD
 Sample : N4211-04
 Misc : 4.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-WC-2

Quant Time: Aug 18 08:20:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

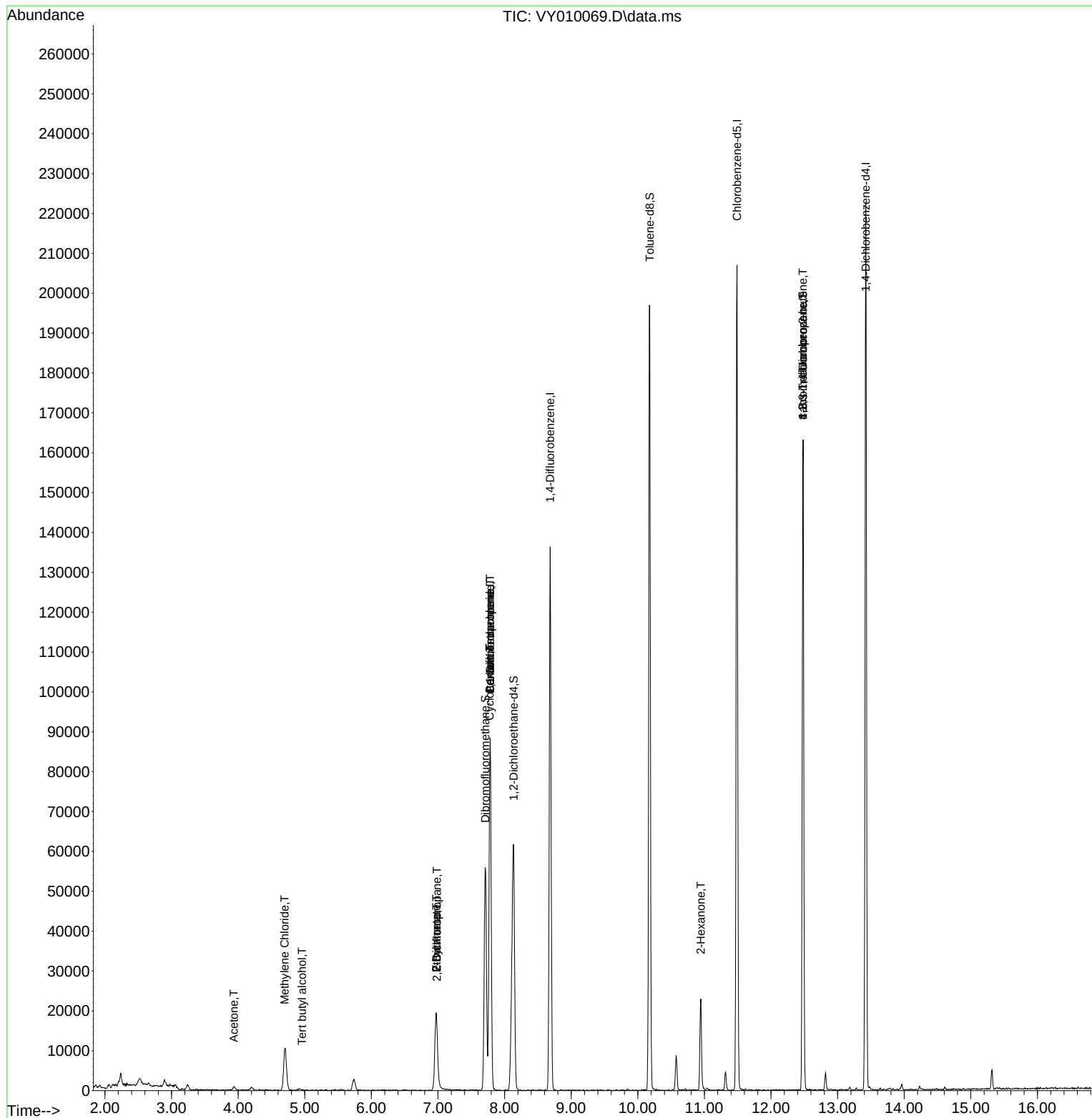
Internal Standards						
1) Pentafluorobenzene	7.783	168	73285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	117246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	116509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	42183	57.568	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.140%
35) Dibromofluoromethane	7.710	113	39100	51.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.840%
50) Toluene-d8	10.179	98	132864	47.231	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.477	95	45183	45.730	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	156	2.189	ug/l #	74
16) Acetone	3.936	43	1611	10.265	ug/l	98
20) Methylene Chloride	4.698	84	8090	8.334	ug/l	96
25) 2-Butanone	6.978	43	865	4.029	ug/l #	48
26) 2,2-Dichloropropane	6.984	77	1588	1.370	ug/l #	53
31) Cyclohexane	7.777	56	1232	1.190	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	4659	4.399	ug/l #	51
37) Ethyl Acetate	6.978	43	865	1.622	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6626	5.087	ug/l #	18
59) 2-Hexanone	10.947	43	154	24.476	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	23440	42.108	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	23440	95.160	ug/l #	12

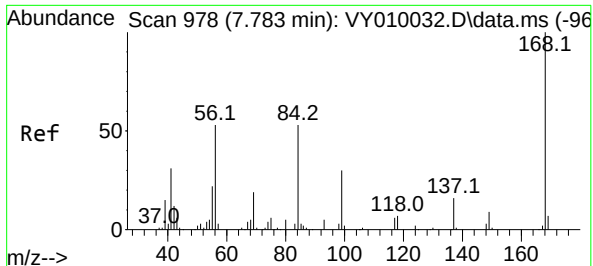
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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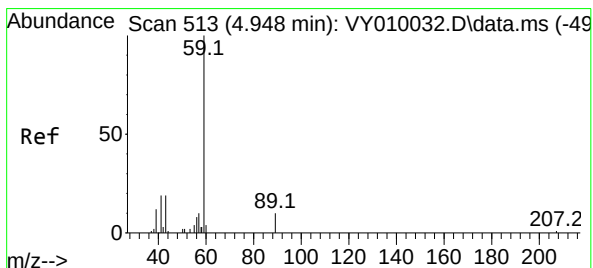
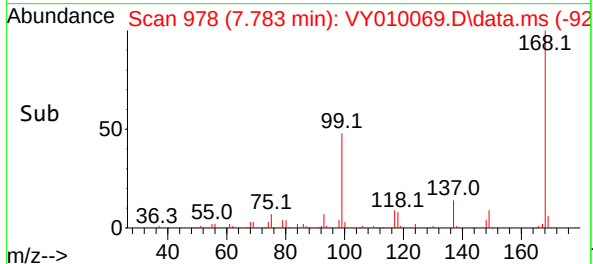
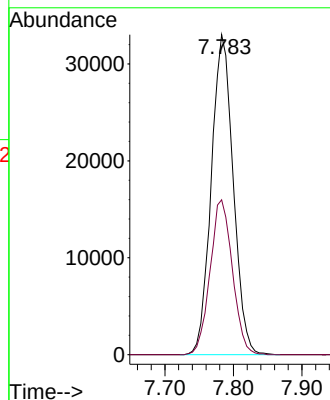
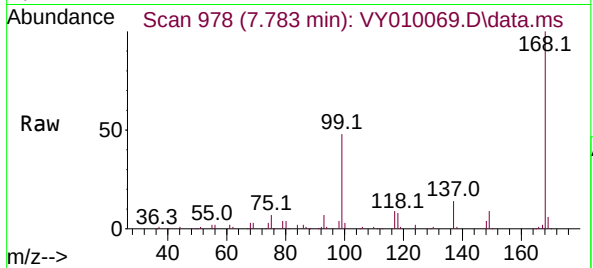




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

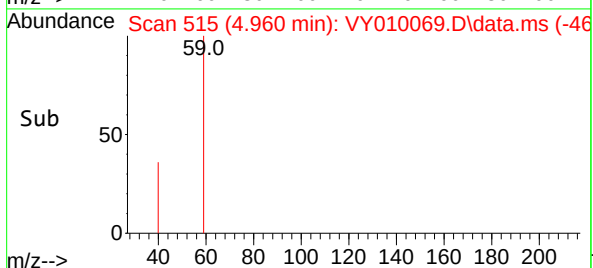
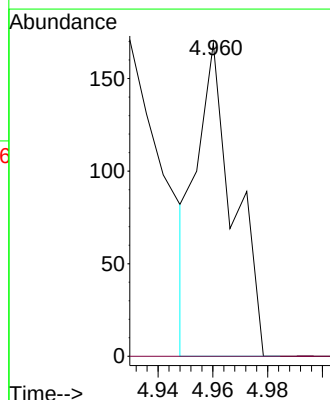
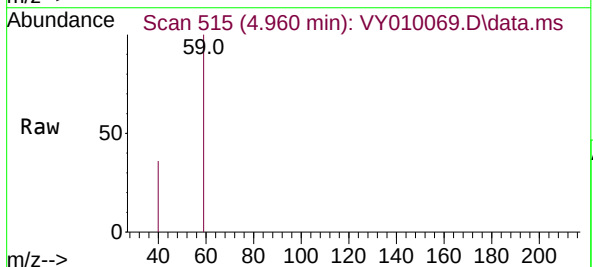
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

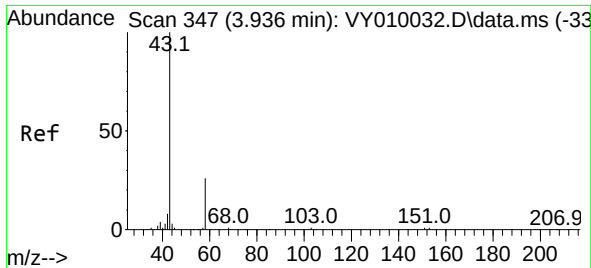
Tgt Ion:168 Resp: 73285
Ion Ratio Lower Upper
168 100
99 48.4 37.7 56.5



#11
Tert butyl alcohol
Concen: 2.189 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 10.265 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY010069.D

Acq: 17 Aug 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

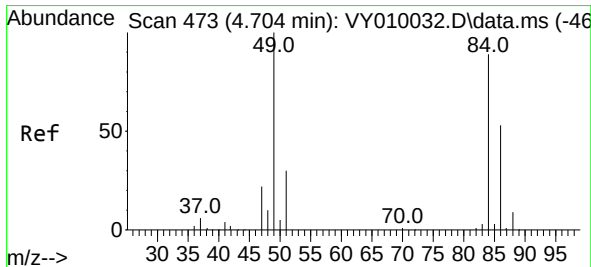
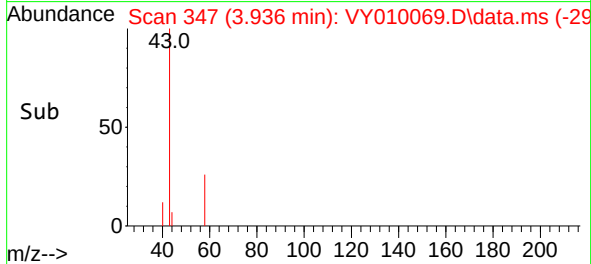
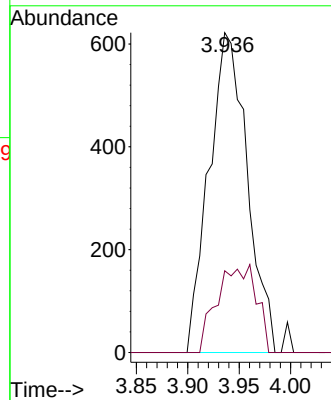
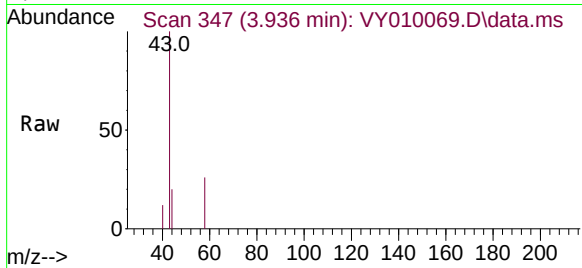
VOC-WC-2

Tgt Ion: 43 Resp: 1611

Ion Ratio Lower Upper

43 100

58 25.6 21.4 32.0



#20

Methylene Chloride

Concen: 8.334 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY010069.D

Acq: 17 Aug 2022 15:28

Tgt Ion: 84 Resp: 8090

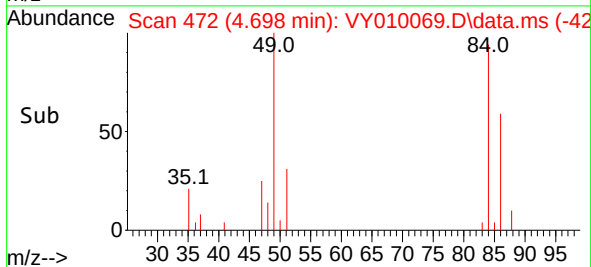
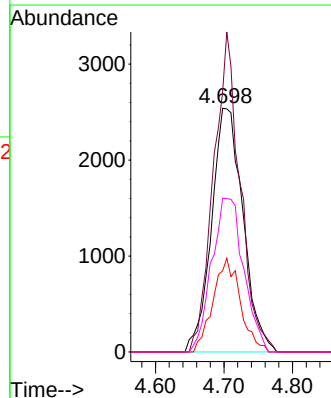
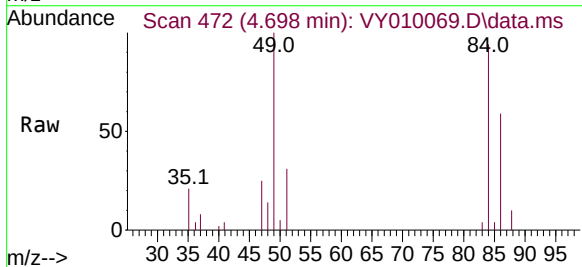
Ion Ratio Lower Upper

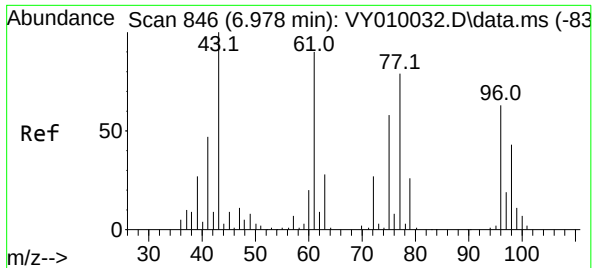
84 100

49 106.8 89.5 134.3

51 33.3 26.8 40.2

86 62.9 47.6 71.4

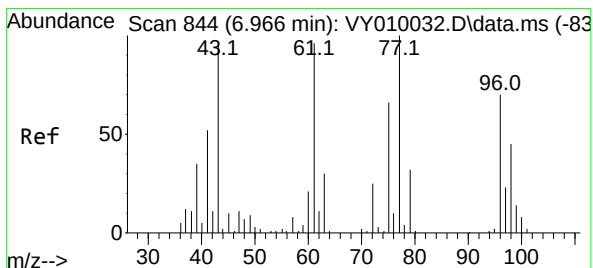
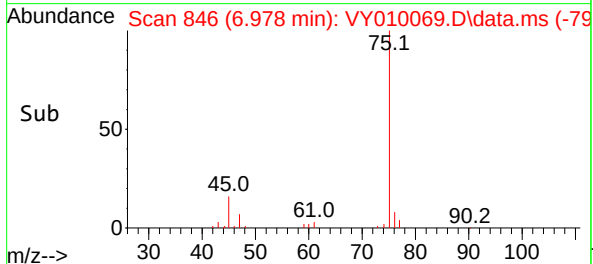
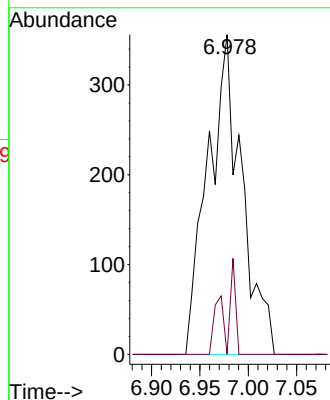
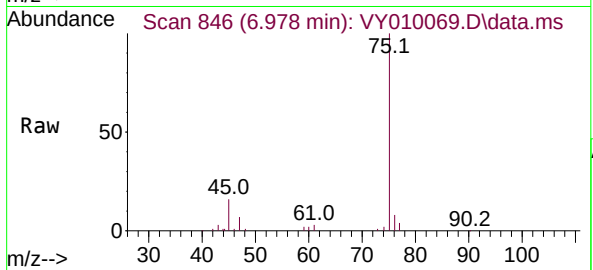




#25
2-Butanone
Concen: 4.029 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

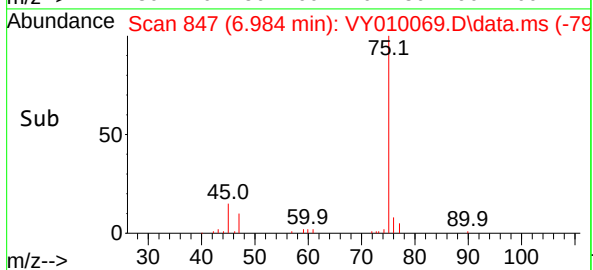
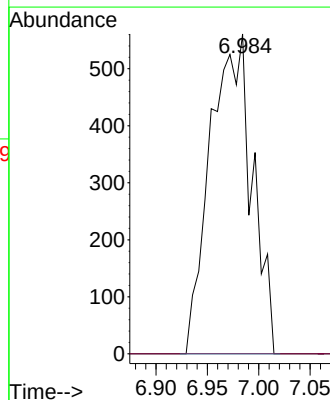
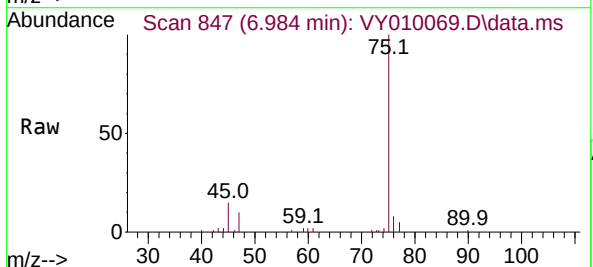
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

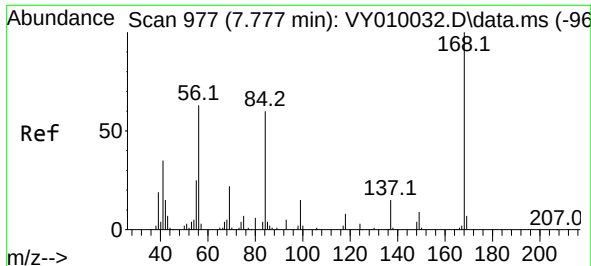
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#26
2,2-Dichloropropane
Concen: 1.370 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.018 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 77 Resp: 1588
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

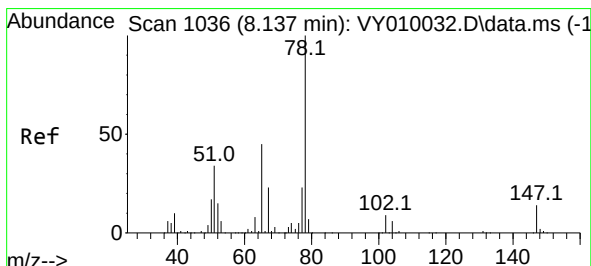
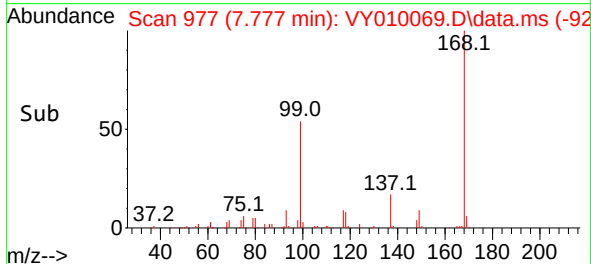
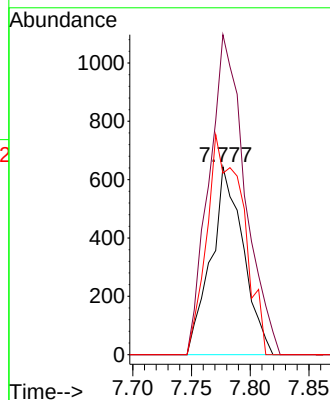
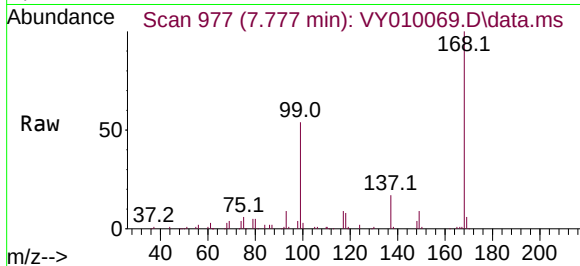




#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

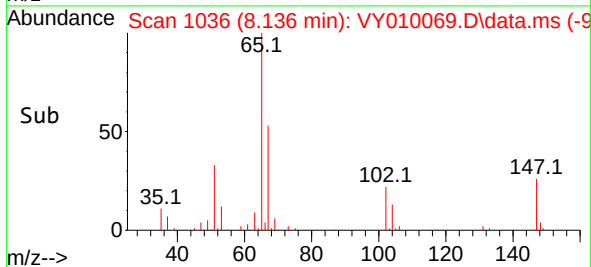
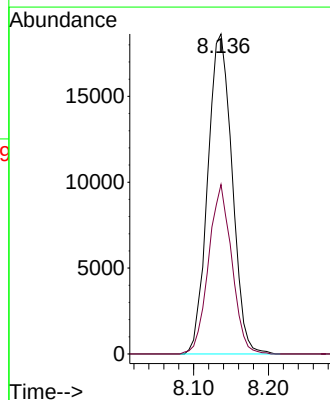
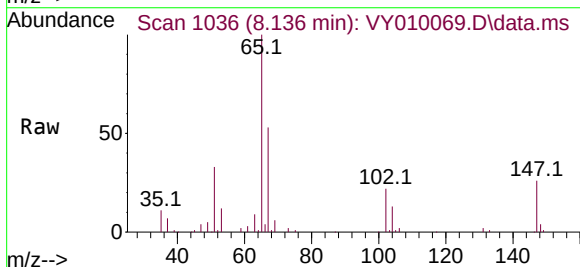
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

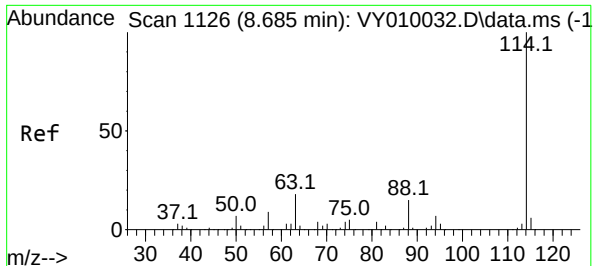
Tgt Ion: 56 Resp: 1232
Ion Ratio Lower Upper
56 100
69 170.3 28.6 43.0#
84 96.6 76.0 114.0



#33
1,2-Dichloroethane-d4
Concen: 57.568 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 65 Resp: 42183
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010069.D

Acq: 17 Aug 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

VOC-WC-2

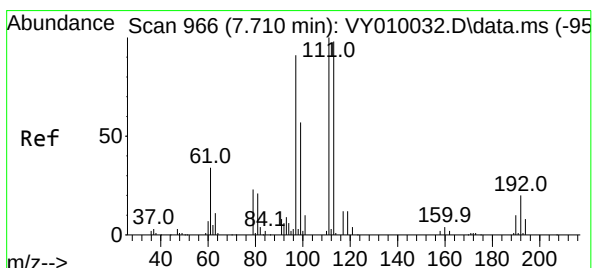
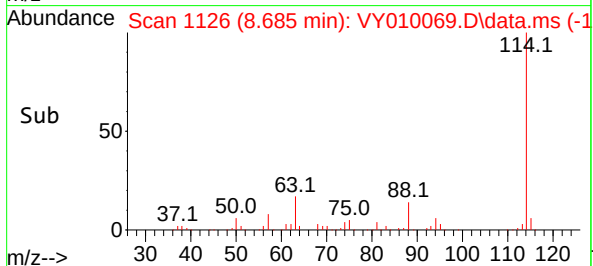
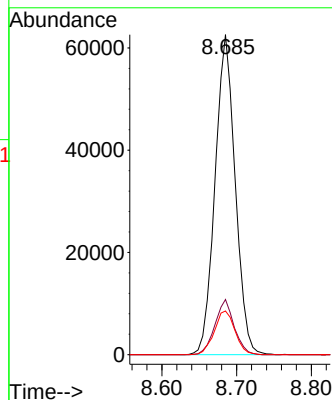
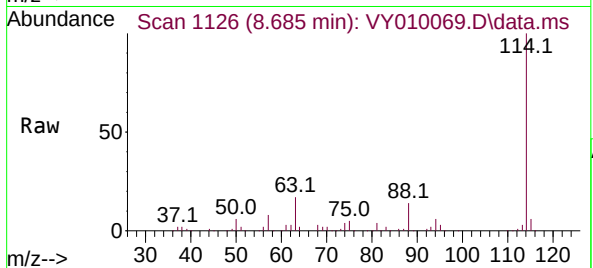
Tgt Ion:114 Resp: 117246

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.2

88 13.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.424 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010069.D

Acq: 17 Aug 2022 15:28

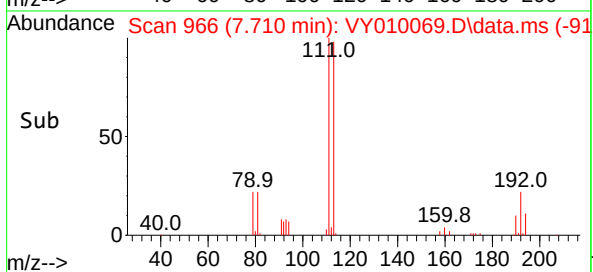
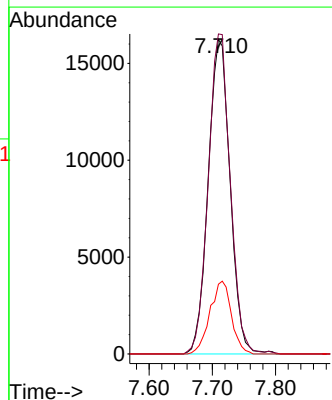
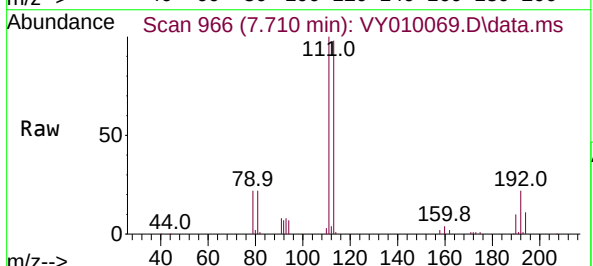
Tgt Ion:113 Resp: 39100

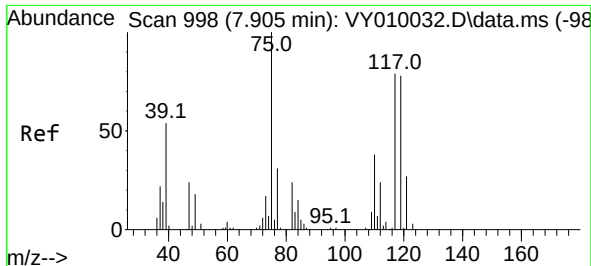
Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

192 22.7 17.2 25.8

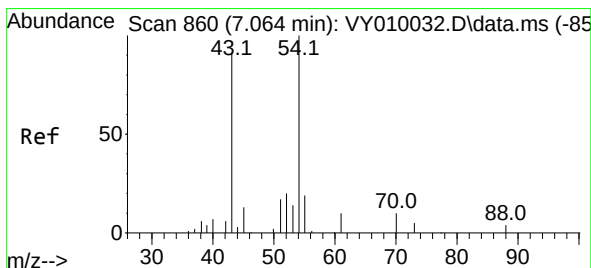
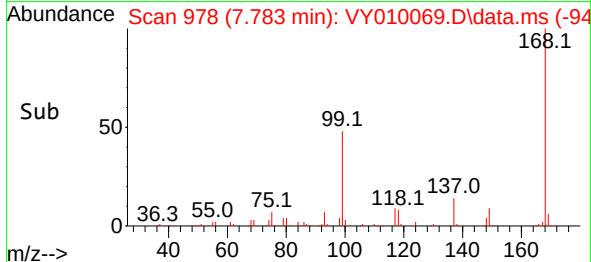
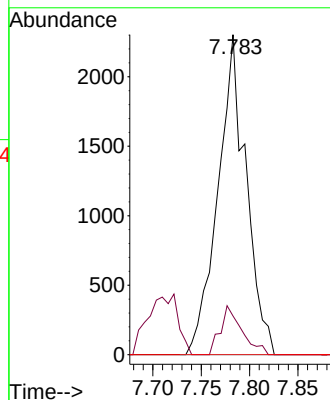
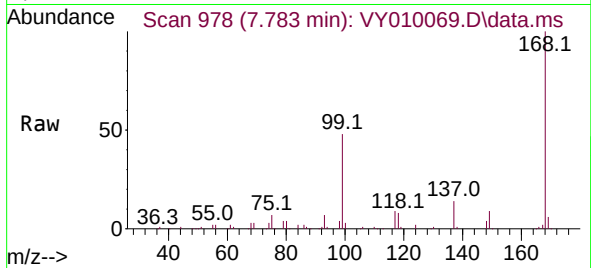




#36
1,1-Dichloropropene
Concen: 4.399 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

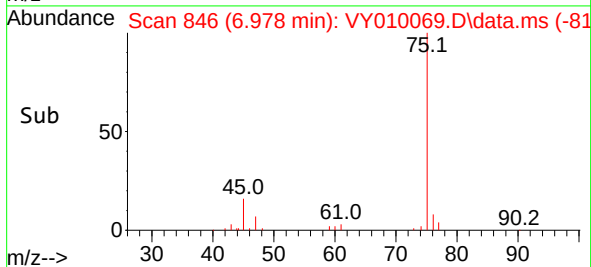
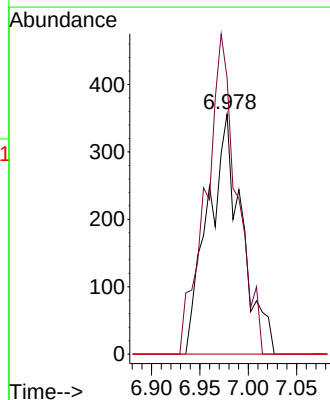
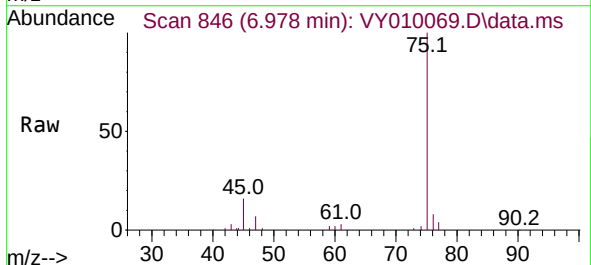
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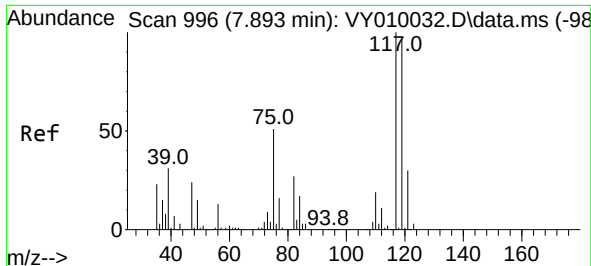
Tgt Ion: 75 Resp: 4659
Ion Ratio Lower Upper
75 100
110 11.7 18.4 55.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.622 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.086 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
61 122.0 9.6 14.4#
70 0.0 7.9 11.9#

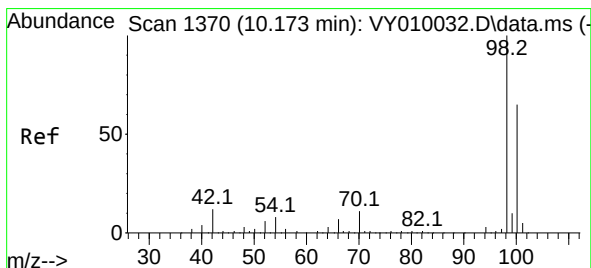
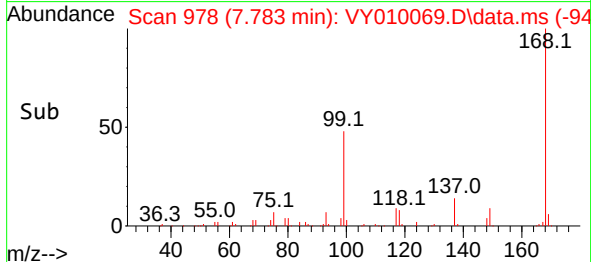
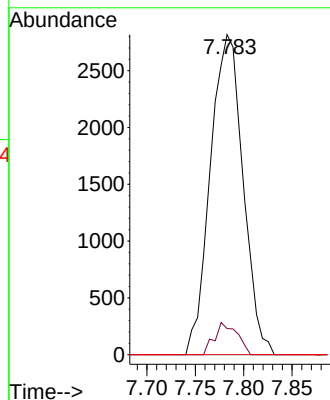
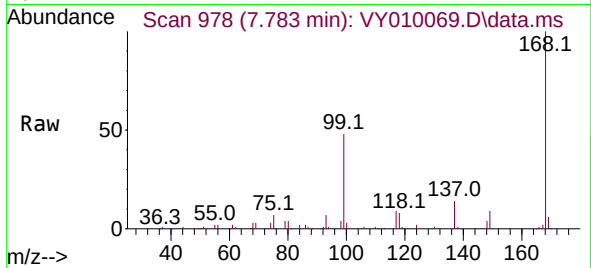




#38
Carbon Tetrachloride
Concen: 5.087 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

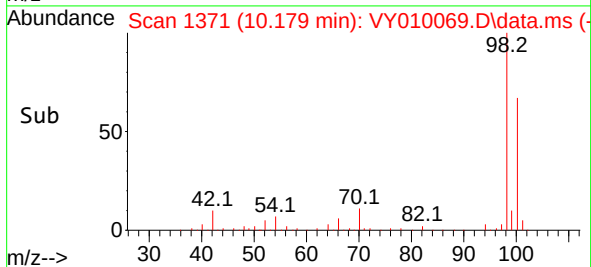
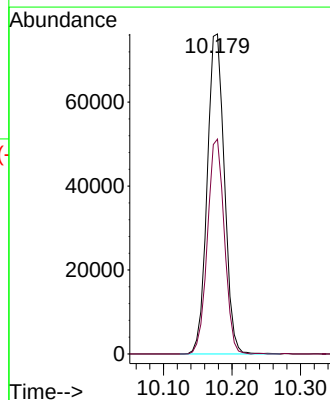
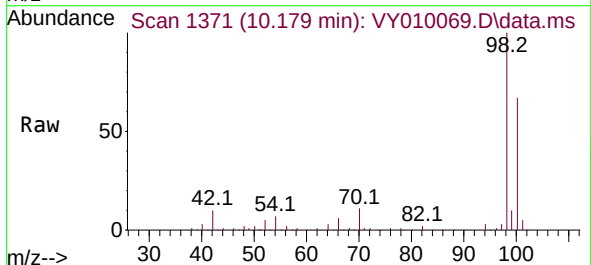
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

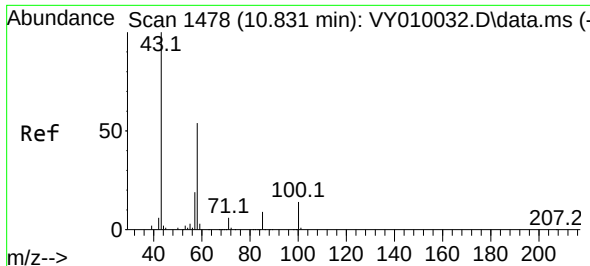
Tgt Ion:117 Resp: 6626
Ion Ratio Lower Upper
117 100
119 8.1 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 47.231 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 98 Resp: 132864
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1

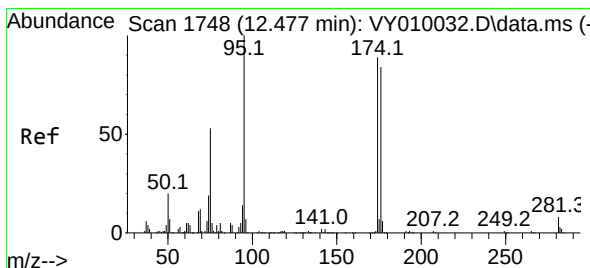
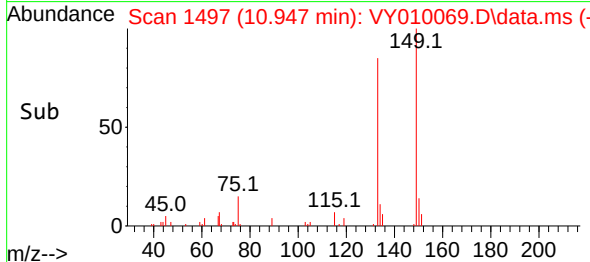
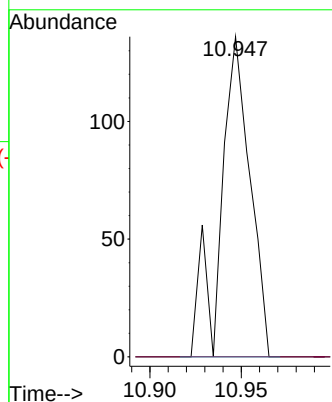
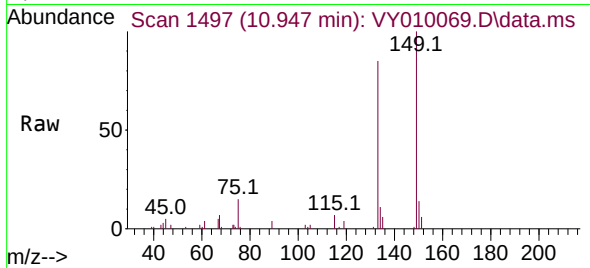




#59
2-Hexanone
Concen: 24.476 ug/l
RT: 10.947 min Scan# 1478
Delta R.T. 0.116 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

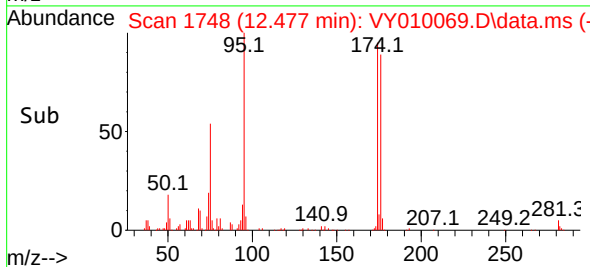
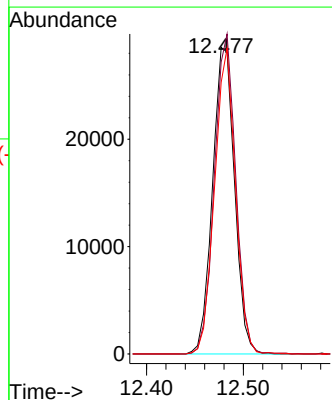
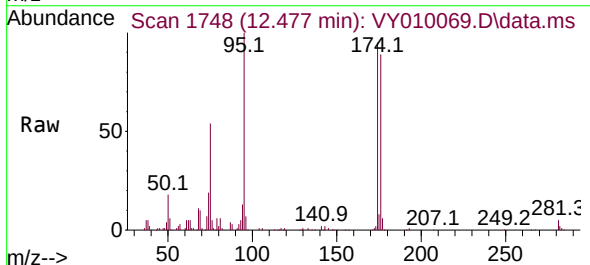
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

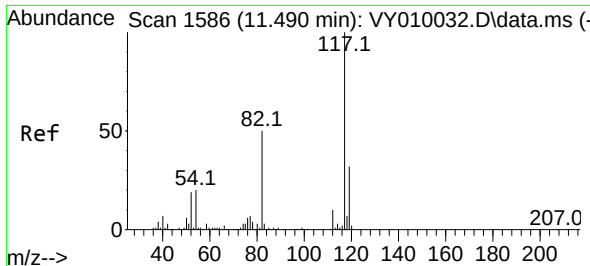
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 45.730 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 95 Resp: 45183
Ion Ratio Lower Upper
95 100
174 100.8 0.0 184.2
176 94.6 0.0 178.4

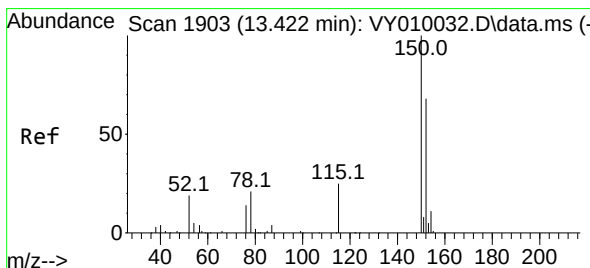
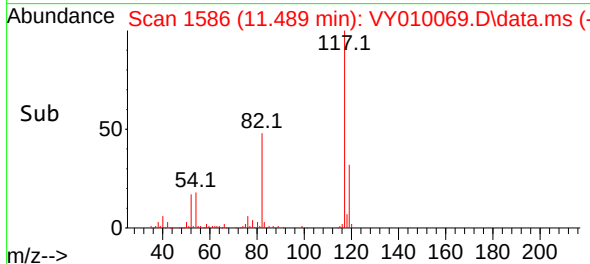
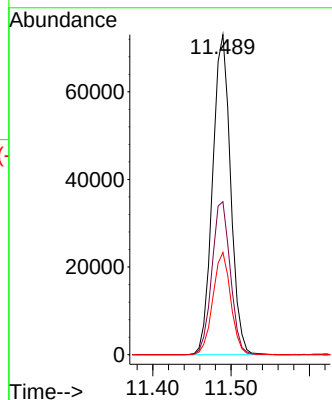
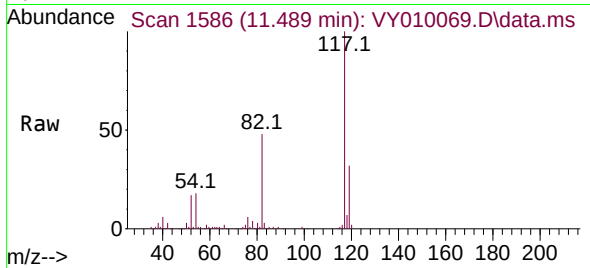




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

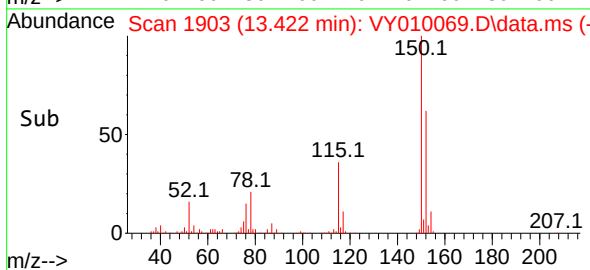
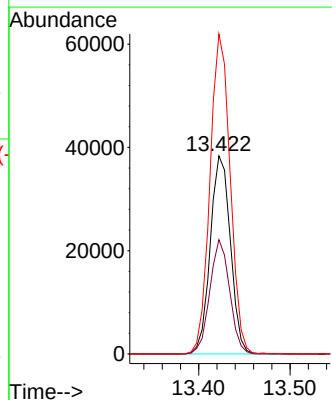
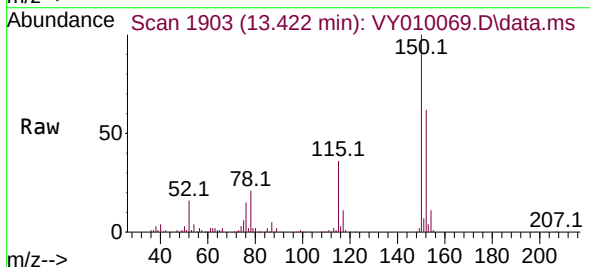
Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

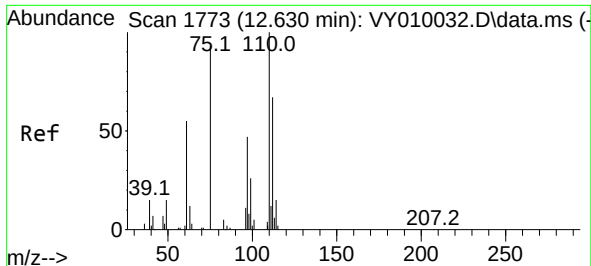
Tgt Ion:117 Resp: 116509
Ion Ratio Lower Upper
117 100
82 47.8 39.8 59.6
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion:152 Resp: 58726
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.3
150 161.6 0.0 346.6

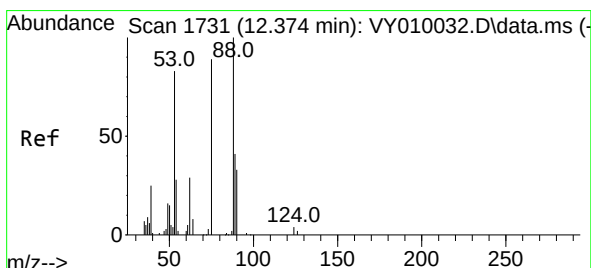
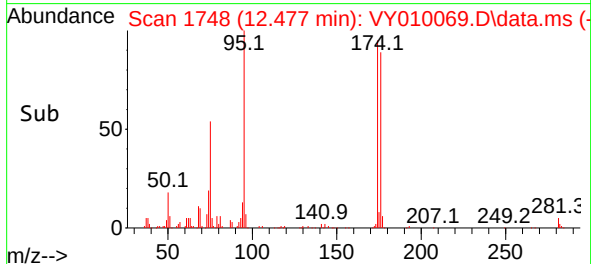
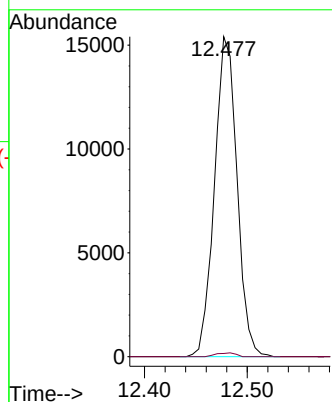
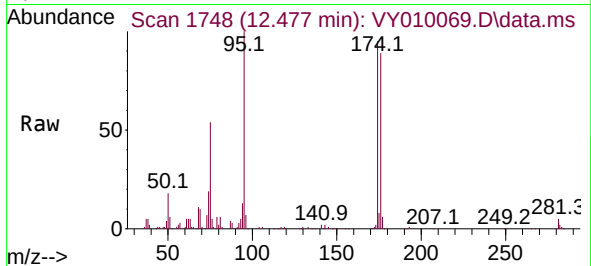




#76
1,2,3-Trichloropropane
Concen: 42.108 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :
VOC-WC-2

Tgt Ion: 75 Resp: 23440
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.160 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010069.D
Acq: 17 Aug 2022 15:28

Tgt Ion: 75 Resp: 23440
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#

