

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051913.D
 Acq On : 18 Nov 2022 19:52
 Operator : JC/MD
 Sample : N5684-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1H2

Quant Time: Nov 19 00:49:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 22:29:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	245449	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	251294	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	94276	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	116658	4.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.912	69	92252	4.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.400%
11) 1,1-Dichloroethene-d2	2.565	65	43417	5.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.400%
20) 2-Butanone-d5	4.616	46	219230	50.658	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.320%
24) Chloroform-d	5.060	84	171295	4.883	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.600%
26) 1,2-Dichloroethane-d4	5.700	65	89961	5.077	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.726	84	369508	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.690	67	119024	5.155	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.896	98	308272	4.567	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	8.179	79	38419	4.566	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.629	63	182395	51.154	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.300%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	97255	4.858	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	12.192	152	103960	5.760	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6713	0.315	ug/L	99
9) Trichlorofluoromethane	2.137	101	14651	0.499	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	7542	0.420	ug/L	89
12) 1,1-Dichloroethene	2.578	96	38277	2.150	ug/L #	51
15) Methyl Acetate	3.182	43	1667	0.219	ug/L #	48
17) Methyl tert-butyl Ether	3.362	73	10310	0.259	ug/L #	89
19) 1,1-Dichloroethane	3.867	63	64337	1.870	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	57887	2.890	ug/L	94
25) Chloroform	5.086	83	23345	0.670	ug/L	86
27) 1,2-Dichloroethane	5.796	62	3598	0.169	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	6613	0.237	ug/L	96
31) Carbon tetrachloride	5.520	117	4206	0.178	ug/L	86
34) Trichloroethene	6.539	95	1656761	81.220	ug/L	99
35) Methylcyclohexane	6.687	83	27271	0.929	ug/L #	19
37) 1,2-Dichloropropane	6.790	63	4220	0.199	ug/L	99
47) Tetrachloroethene	8.552	164	1022170	65.385	ug/L	99
49) Dibromochloromethane	8.552	129	982219	55.114	ug/L #	12
51) Chlorobenzene	9.446	112	5510	0.103	ug/L	94
61) 1,2,3-Trichloropropane	11.809	75	12545	1.163	ug/L #	67

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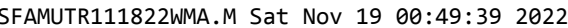
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

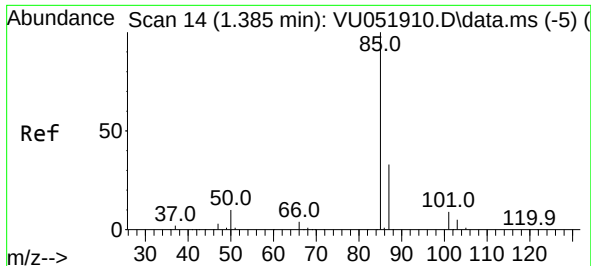
Quant Time: Nov 19 00:49:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 22:29:23 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quant Time: Nov 19 00:49:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
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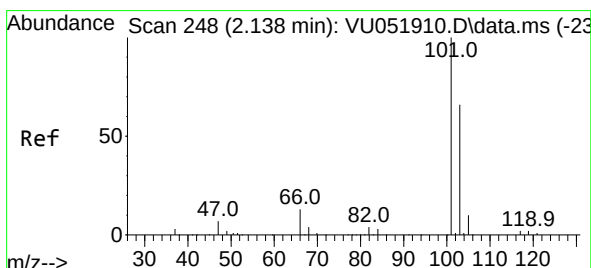
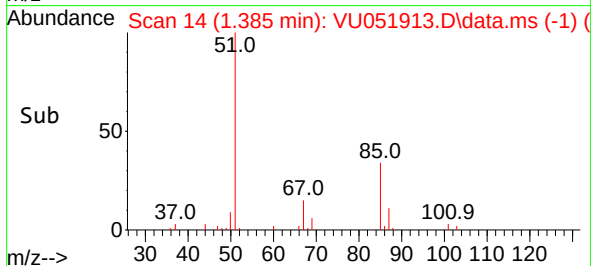
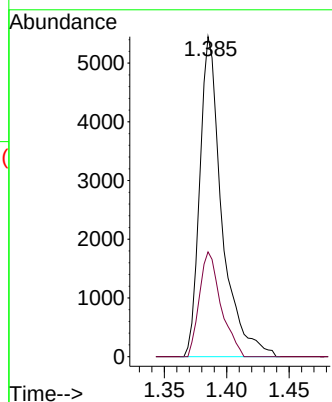
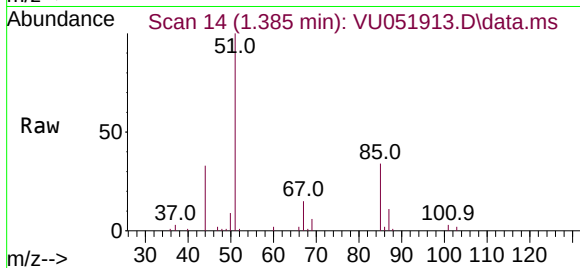




#2
Dichlorodifluoromethane
Concen: 0.315 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

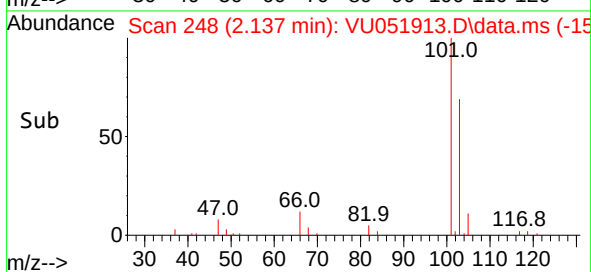
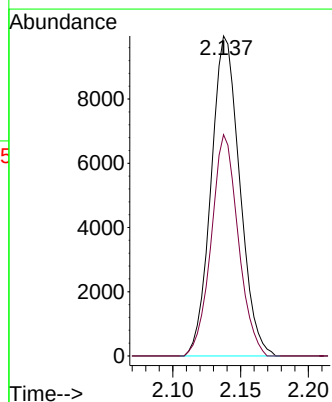
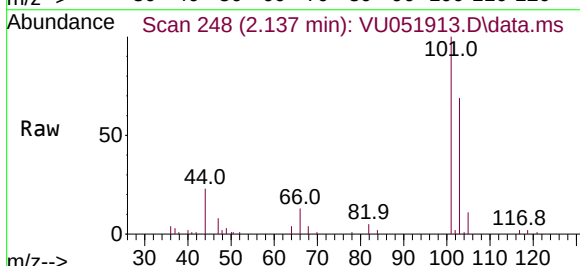
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

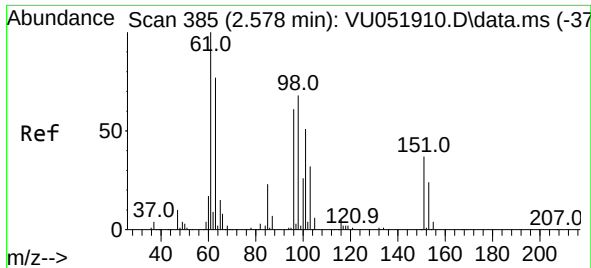
Tgt Ion: 85 Resp: 6713
Ion Ratio Lower Upper
85 100
87 31.8 25.8 38.8



#9
Trichlorofluoromethane
Concen: 0.499 ug/L
RT: 2.137 min Scan# 248
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion:101 Resp: 14651
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4

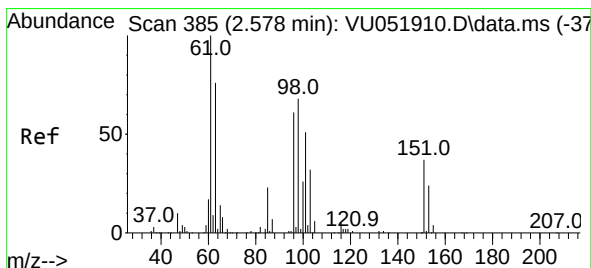
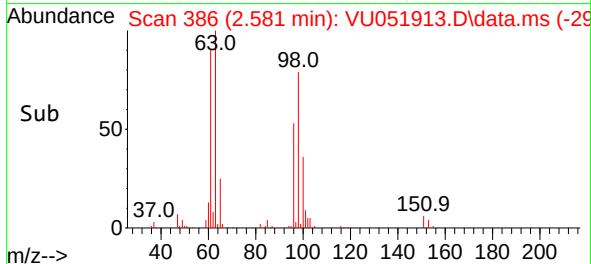
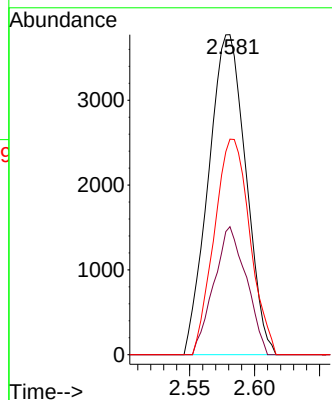
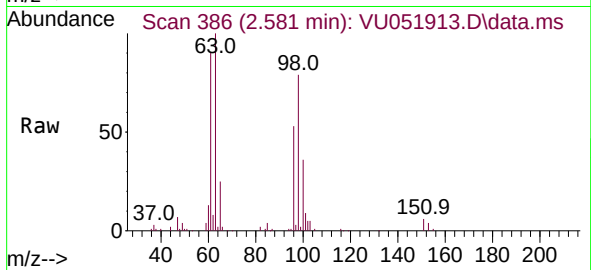




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.420 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

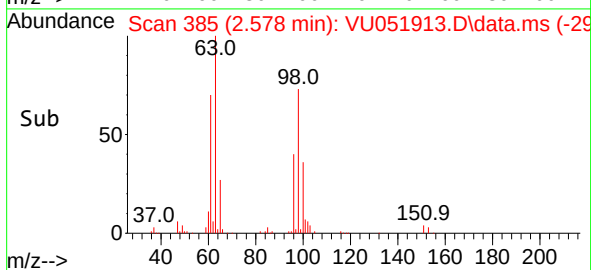
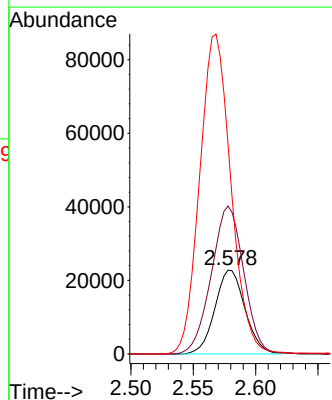
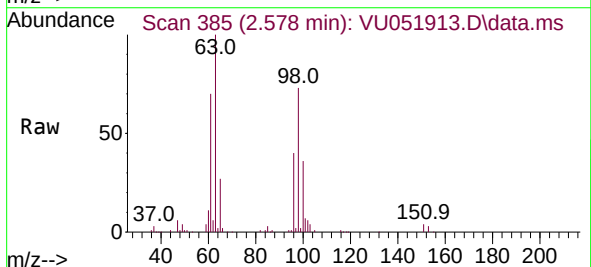
Instrument :
MSVOA_U
ClientSampleId :
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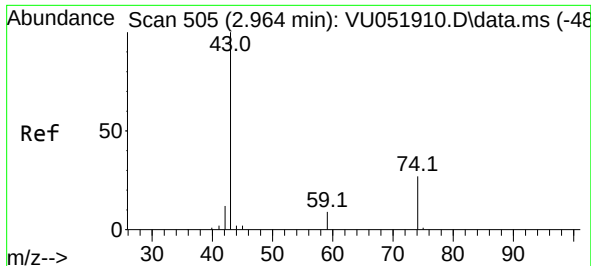
Tgt Ion:101 Resp: 7542
Ion Ratio Lower Upper
101 100
85 34.7 33.8 50.6
151 64.3 58.6 88.0



#12
1,1-Dichloroethene
Concen: 2.150 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion: 96 Resp: 38277
Ion Ratio Lower Upper
96 100
61 176.2 114.8 213.2
63 250.2 93.7 174.1#

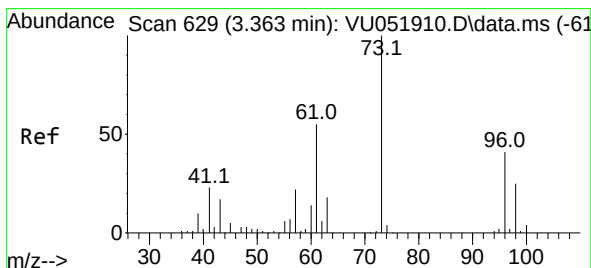
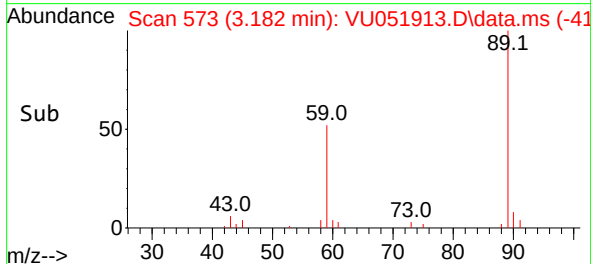
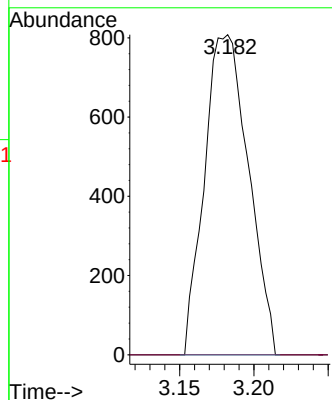
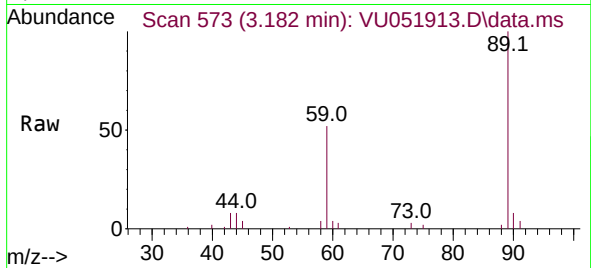




#15
Methyl Acetate
Concen: 0.219 ug/L
RT: 3.182 min Scan# 51
Delta R.T. 0.218 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

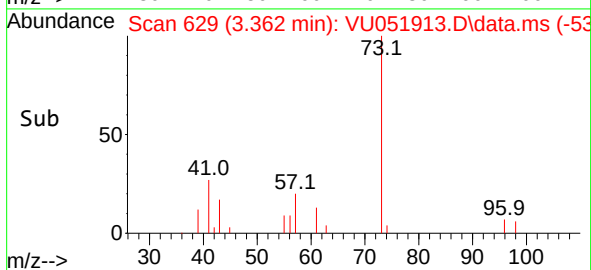
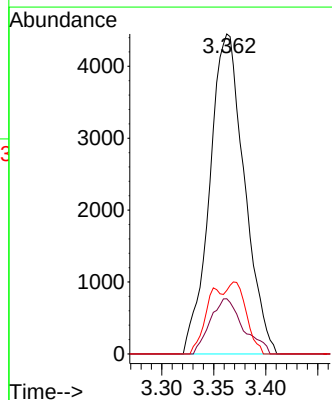
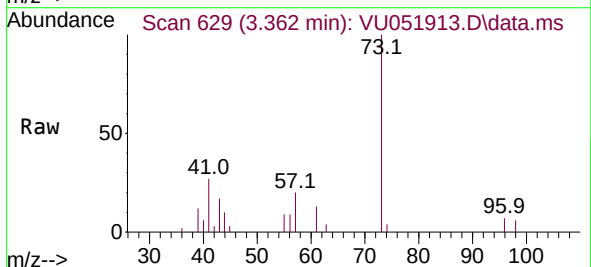
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

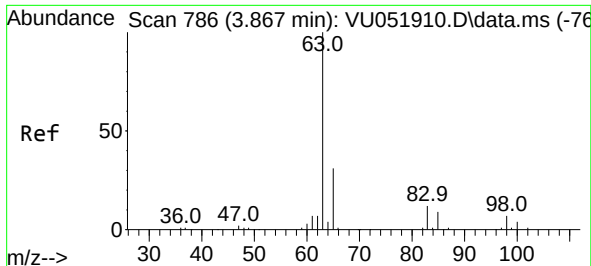
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
74 0.0 21.3 31.9#



#17
Methyl tert-butyl Ether
Concen: 0.259 ug/L
RT: 3.362 min Scan# 629
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion: 73 Resp: 10310
Ion Ratio Lower Upper
73 100
43 16.5 13.2 19.8
57 12.8 17.8 26.8#





#19

1,1-Dichloroethane

Concen: 1.870 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

BH1H2

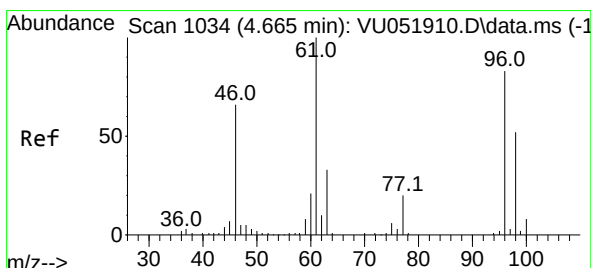
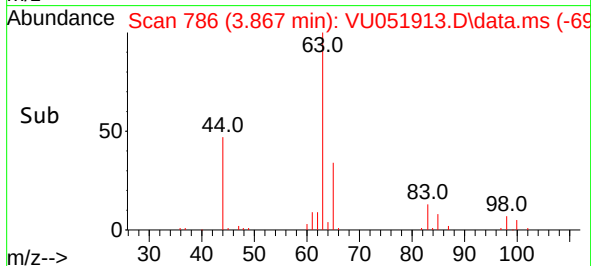
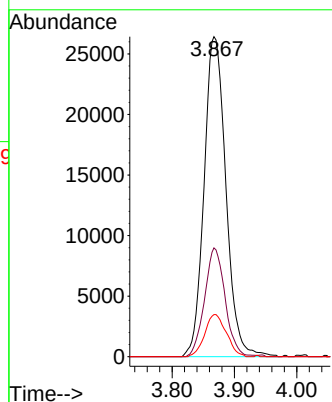
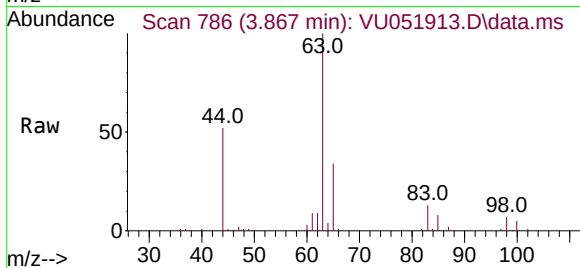
Tgt Ion: 63 Resp: 64337

Ion Ratio Lower Upper

63 100

65 34.0 22.2 41.2

83 13.2 9.2 17.0



#22

cis-1,2-Dichloroethene

Concen: 2.890 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

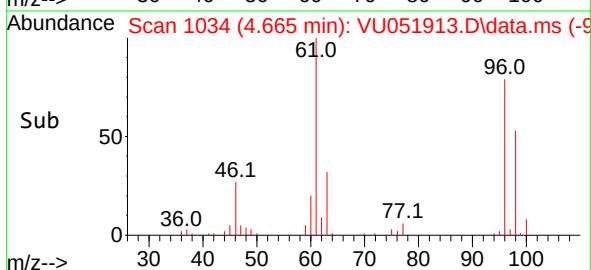
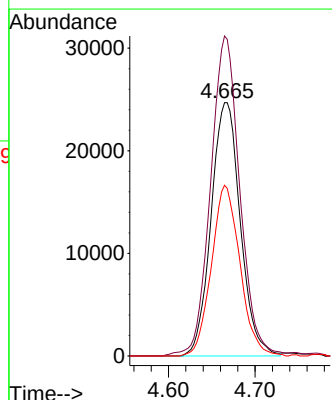
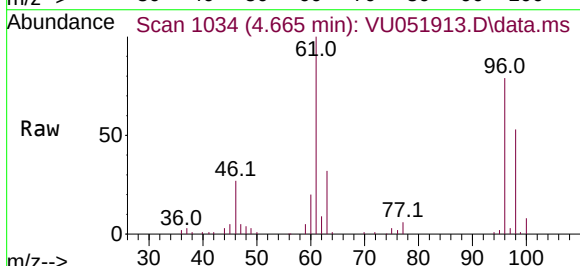
Tgt Ion: 96 Resp: 57887

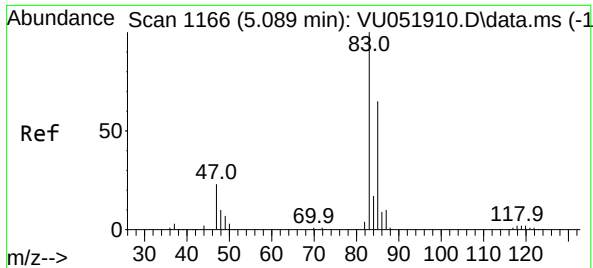
Ion Ratio Lower Upper

96 100

61 126.3 85.1 158.1

98 67.4 42.8 79.6

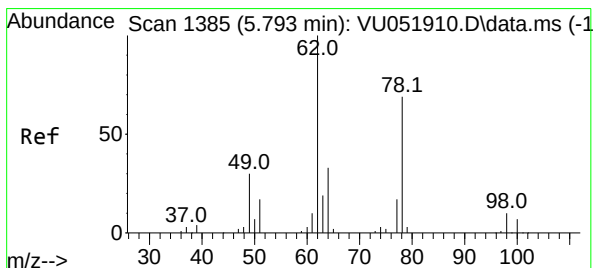
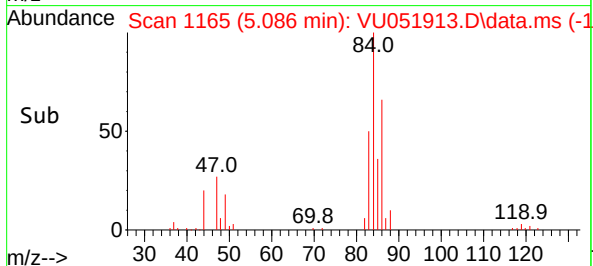
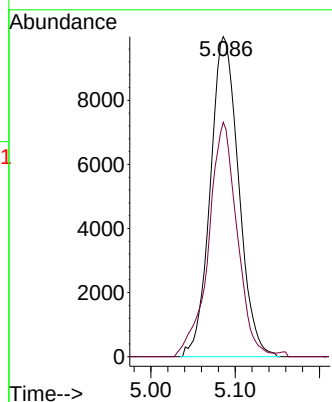
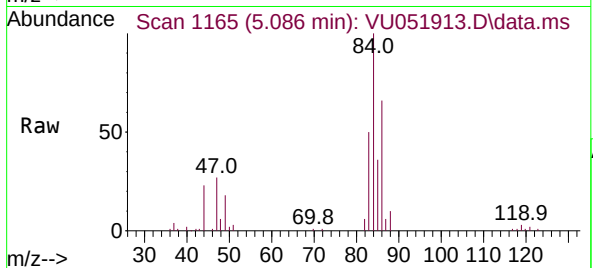




#25
Chloroform
Concen: 0.670 ug/L
RT: 5.086 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

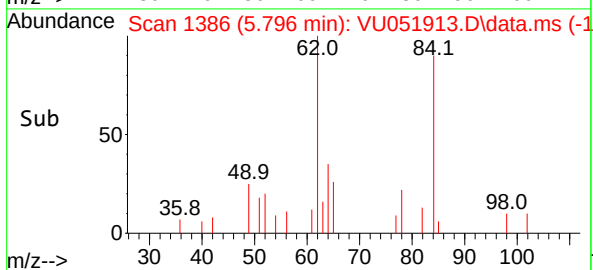
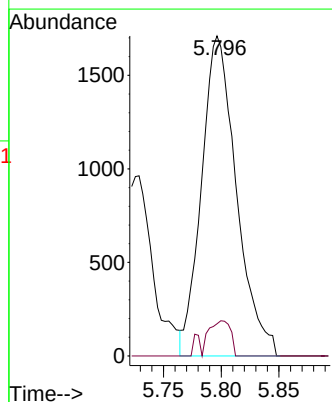
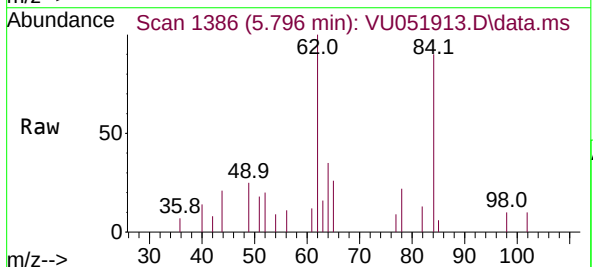
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

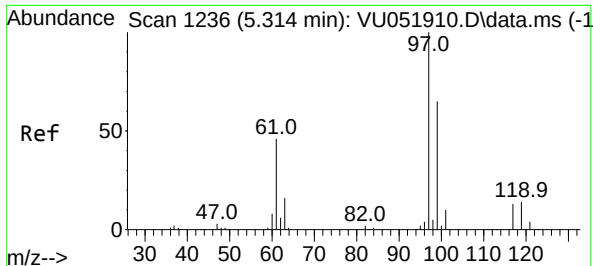
Tgt Ion: 83 Resp: 23345
Ion Ratio Lower Upper
83 100
85 73.2 43.8 81.4



#27
1,2-Dichloroethane
Concen: 0.169 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.003 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion: 62 Resp: 3598
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6

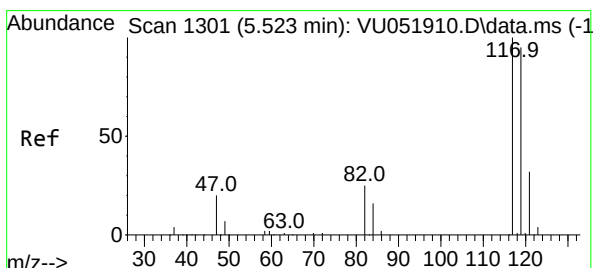
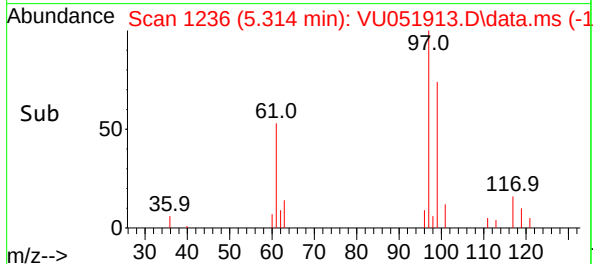
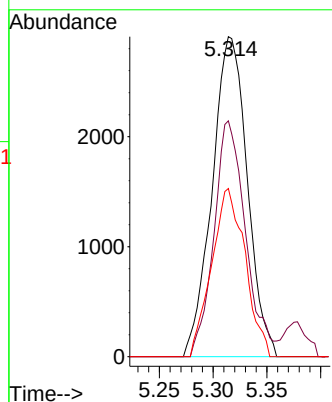
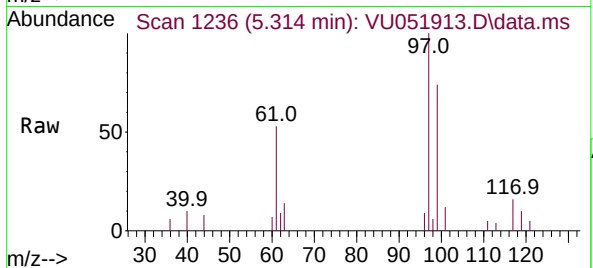




#29
1,1,1-Trichloroethane
Concen: 0.237 ug/L
RT: 5.314 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

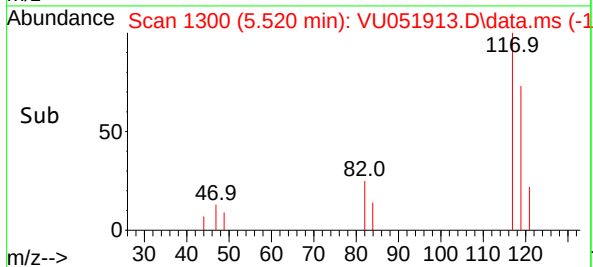
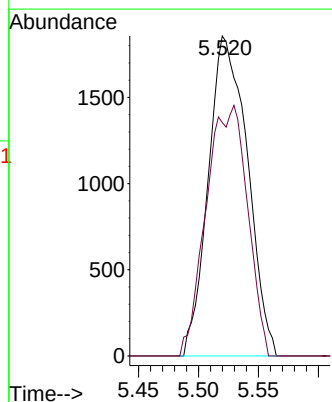
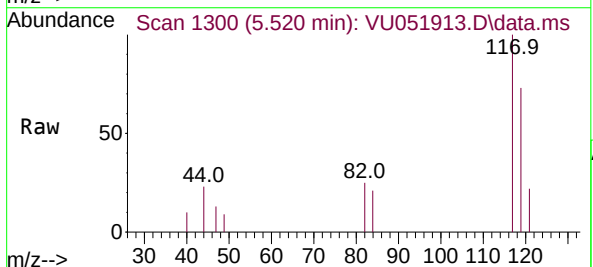
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

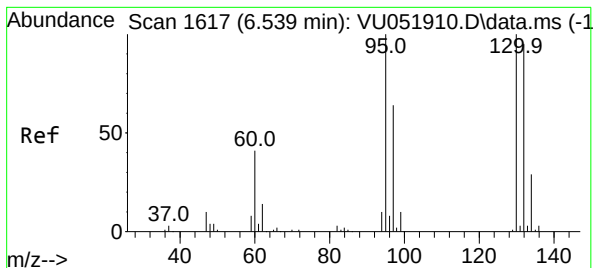
Tgt Ion: 97 Resp: 6613
Ion Ratio Lower Upper
97 100
99 66.0 51.0 76.6
61 50.1 36.9 55.3



#31
Carbon tetrachloride
Concen: 0.178 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. -0.003 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion: 117 Resp: 4206
Ion Ratio Lower Upper
117 100
119 82.5 77.2 115.8





#34

Trichloroethene

Concen: 81.220 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

BH1H2

Tgt Ion: 95 Resp: 1656761

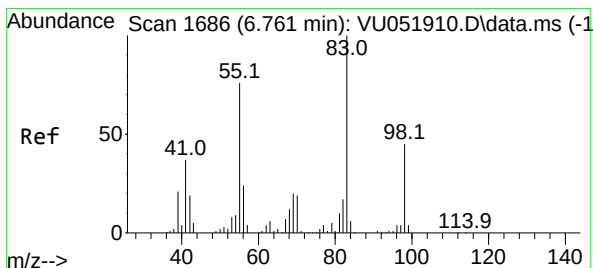
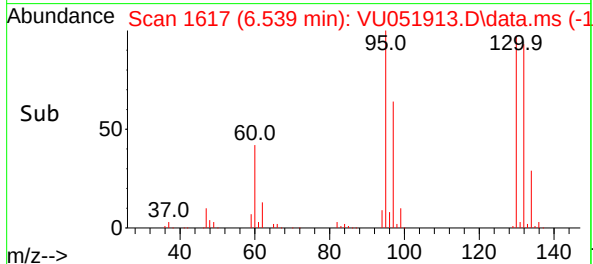
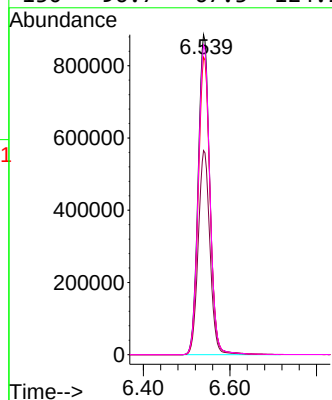
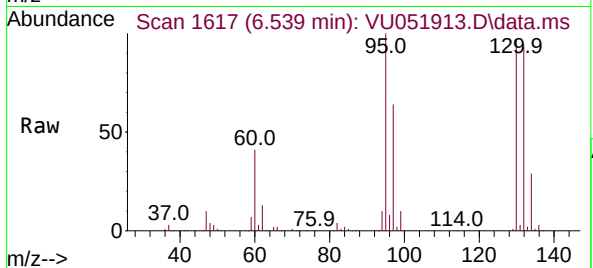
Ion Ratio Lower Upper

95 100

97 63.8 43.7 81.1

132 93.0 64.3 119.3

130 96.7 67.3 124.9



#35

Methylcyclohexane

Concen: 0.929 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

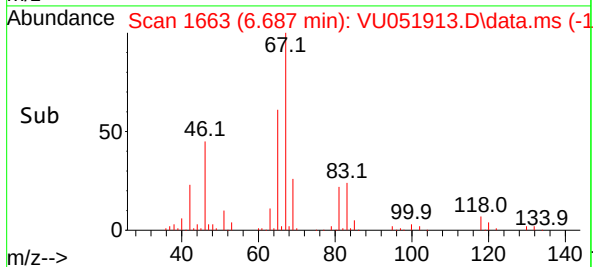
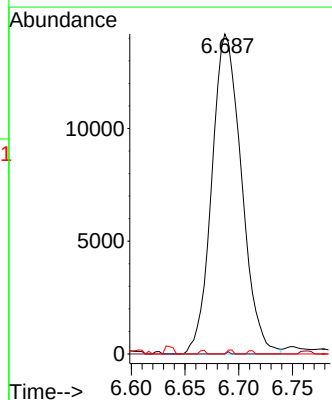
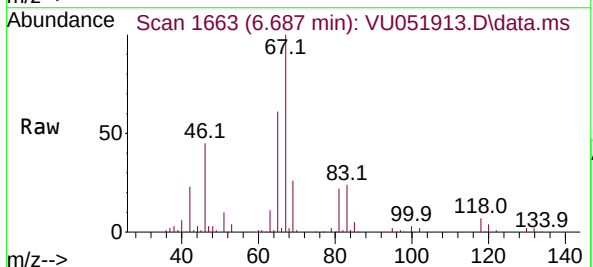
Tgt Ion: 83 Resp: 27271

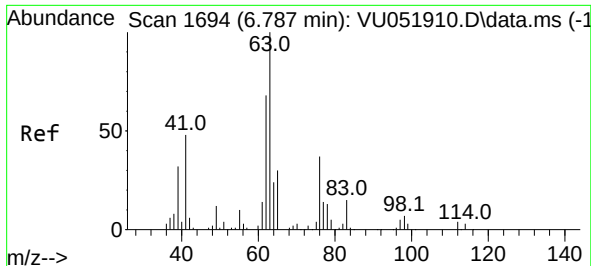
Ion Ratio Lower Upper

83 100

55 0.1 60.8 91.2#

98 0.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.199 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

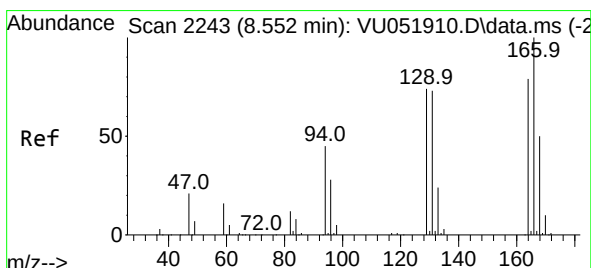
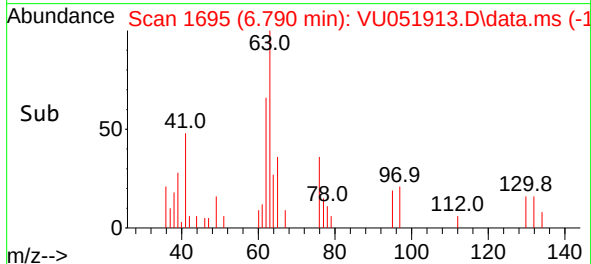
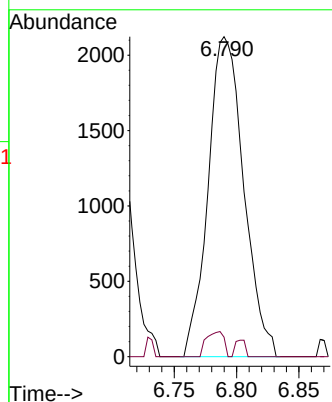
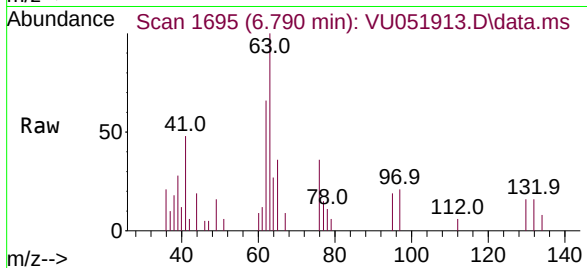
BH1H2

Tgt Ion: 63 Resp: 4220

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#47

Tetrachloroethene

Concen: 65.385 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.000 min

Lab File: VU051913.D

Acq: 18 Nov 2022 19:52

Tgt Ion:164 Resp: 1022170

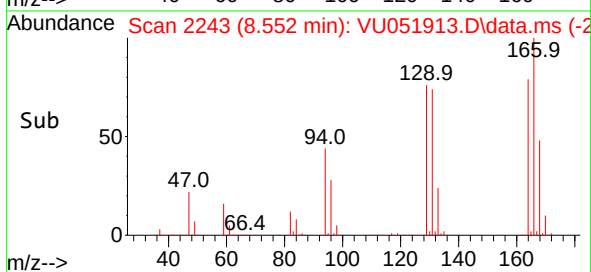
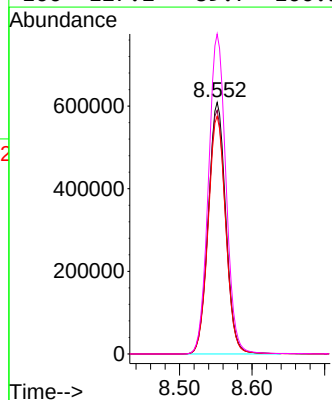
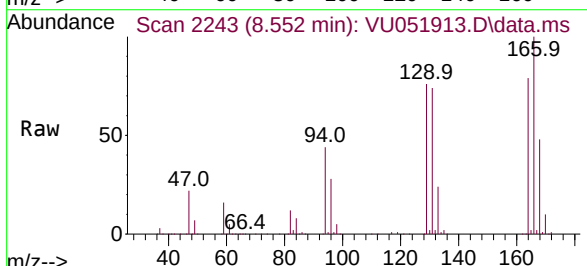
Ion Ratio Lower Upper

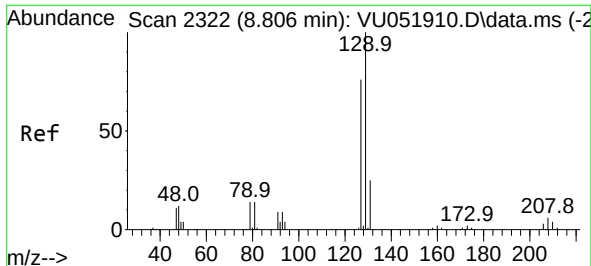
164 100

129 96.9 67.4 125.2

131 94.5 67.1 124.7

166 127.2 89.7 166.5

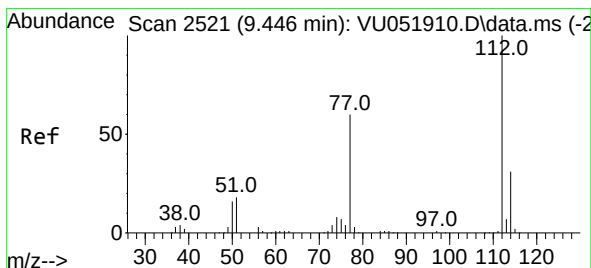
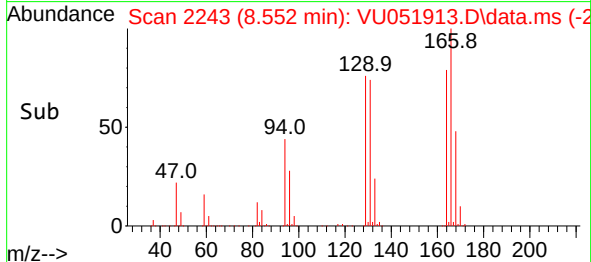
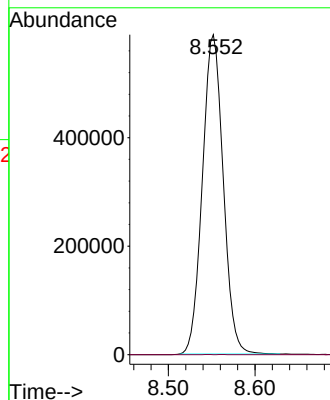
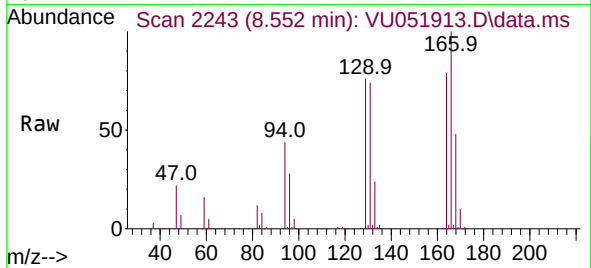




#49
Dibromochloromethane
Concen: 55.114 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

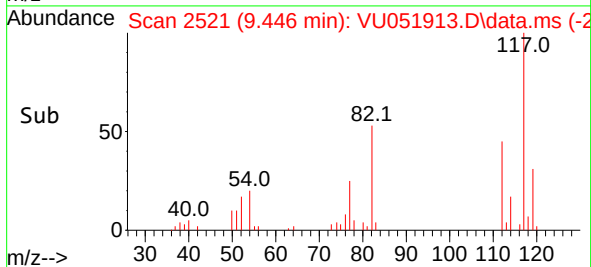
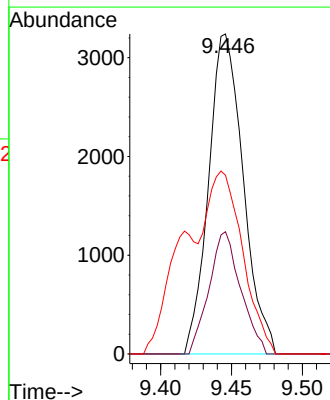
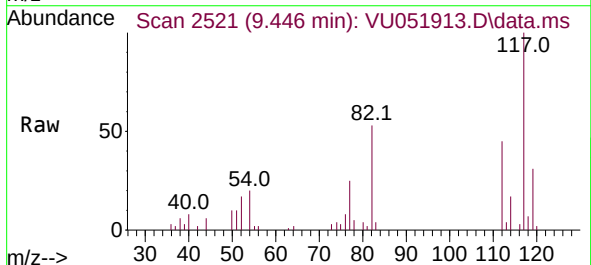
Instrument :
MSVOA_U
ClientSampleId :
BH1H2

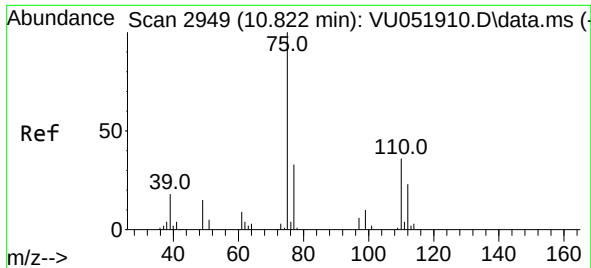
Tgt Ion:129 Resp: 982219
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.2#



#51
Chlorobenzene
Concen: 0.103 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. -0.000 min
Lab File: VU051913.D
Acq: 18 Nov 2022 19:52

Tgt Ion:112 Resp: 5510
Ion Ratio Lower Upper
112 100
114 38.2 22.2 41.2
77 55.8 46.6 70.0





#61

1,2,3-Trichloropropane

Concen: 1.163 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.987 min

Lab File: VU051913.D

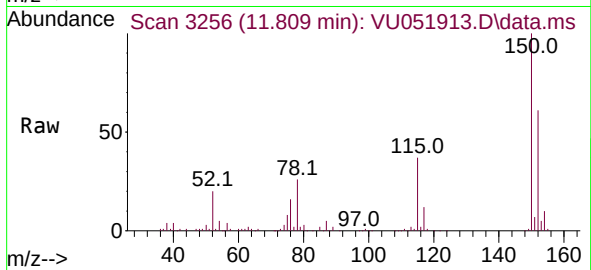
Acq: 18 Nov 2022 19:52

Instrument :

MSVOA_U

ClientSampleId :

BH1H2



Tgt Ion:	75	Resp:	12545
Ion	Ratio	Lower	Upper
75	100		
110	2.4	28.3	42.5#
77	27.9	26.2	39.2

