

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051930.D
 Acq On : 19 Nov 2022 03:33
 Operator : JC/MD
 Sample : N5684-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J9

Quant Time: Nov 19 04:09:33 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	230644	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239257	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	89067	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	114472	5.102	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.913	69	92357	5.300	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.000%
11) 1,1-Dichloroethene-d2	2.565	65	41086	5.109	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.200%
20) 2-Butanone-d5	4.617	46	217872	53.576	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.160%
24) Chloroform-d	5.060	84	175484	5.323	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.400%
26) 1,2-Dichloroethane-d4	5.700	65	90763	5.451	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.000%
32) Benzene-d6	5.726	84	371113	5.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	6.690	67	121064	5.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.200%
41) Toluene-d8	7.896	98	301806	4.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	8.179	79	37534	4.686	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.629	63	168126	49.525	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.040%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	94655	4.966	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	101068	5.927	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3333	0.167	ug/L	100
3) Chloromethane	1.527	50	7630	0.292	ug/L	88
9) Trichlorofluoromethane	2.138	101	8626	0.313	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	2885	0.171	ug/L #	66
12) 1,1-Dichloroethene	2.578	96	3956	0.236	ug/L #	1
15) Methyl Acetate	3.179	43	3330	0.465	ug/L #	53
17) Methyl tert-butyl Ether	3.356	73	6956	0.186	ug/L #	94
18) trans-1,2-Dichloroethene	3.356	96	5574	0.311	ug/L	92
19) 1,1-Dichloroethane	3.874	63	3839	0.119	ug/L #	92
22) cis-1,2-Dichloroethene	4.665	96	113879	6.050	ug/L	96
25) Chloroform	5.086	83	15037	0.459	ug/L	99
34) Trichloroethene	6.539	95	1049253	54.026	ug/L	98
35) Methylcyclohexane	6.690	83	27254	0.976	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	12017	0.596	ug/L #	89
47) Tetrachloroethene	8.552	164	107619	7.230	ug/L	98
49) Dibromochloromethane	8.552	129	103286	6.087	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	11012	1.080	ug/L #	69

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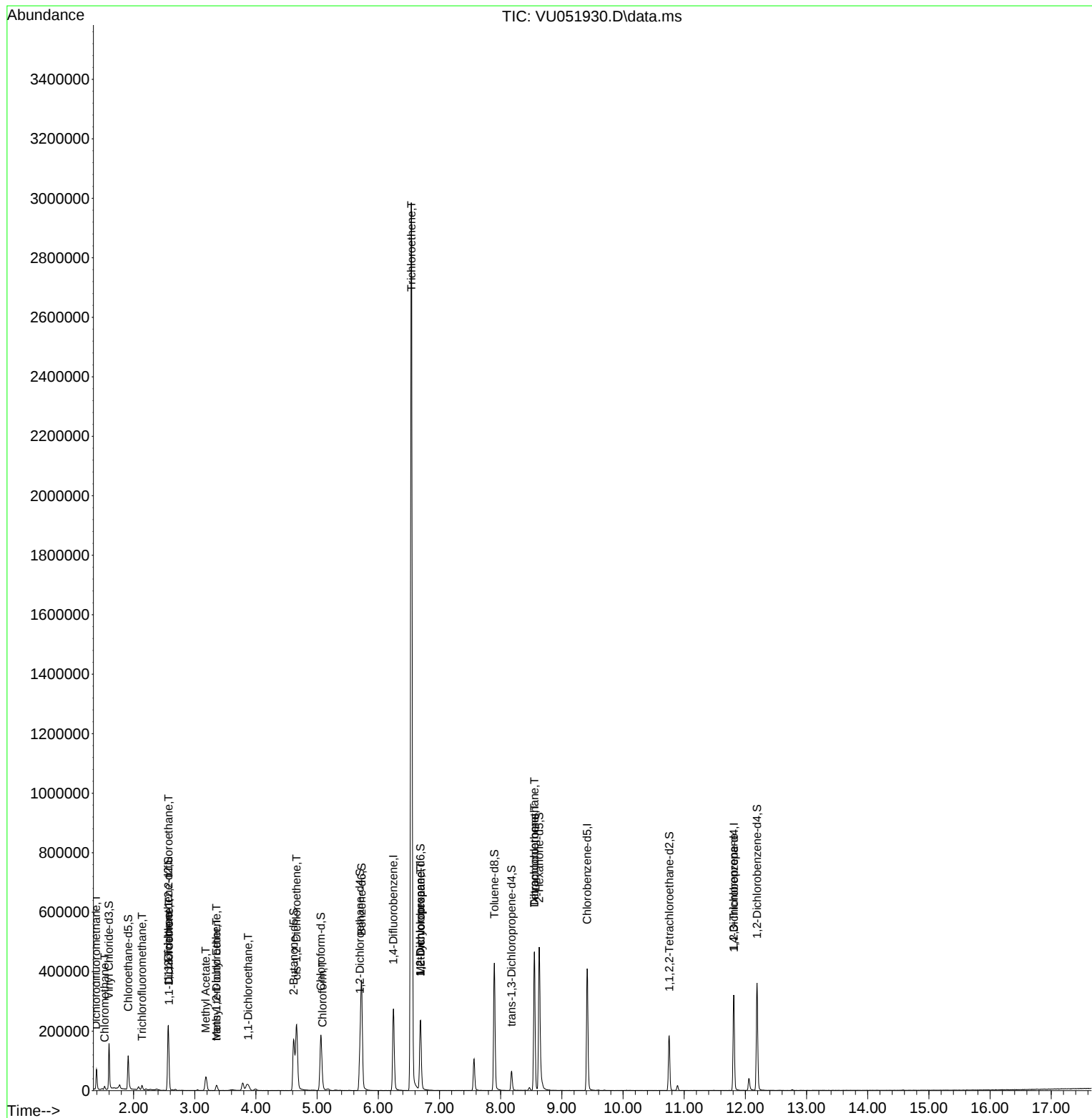
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

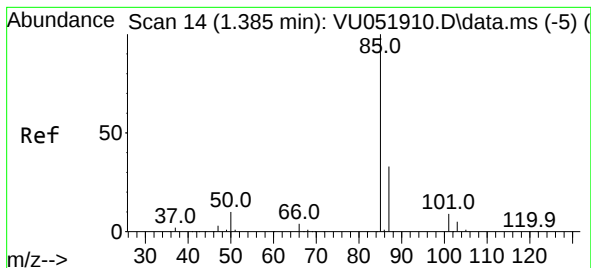
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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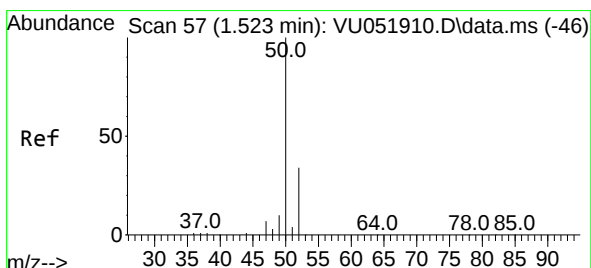
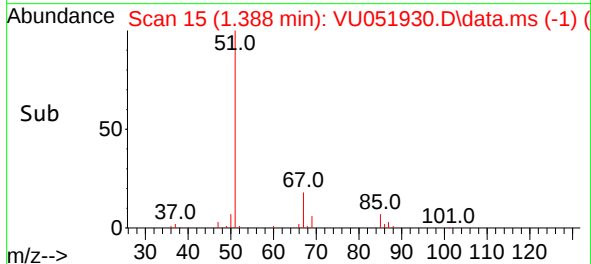
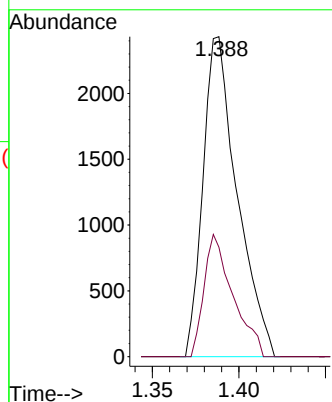
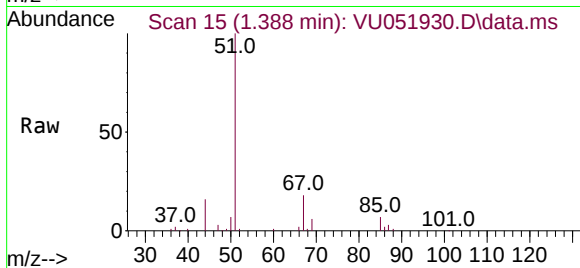




#2
Dichlorodifluoromethane
Concen: 0.167 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

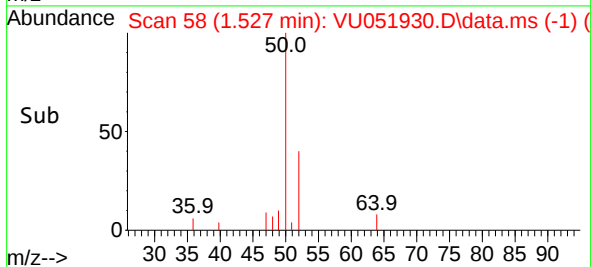
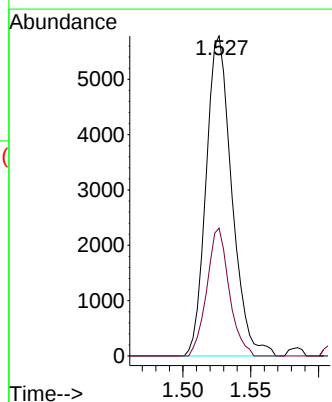
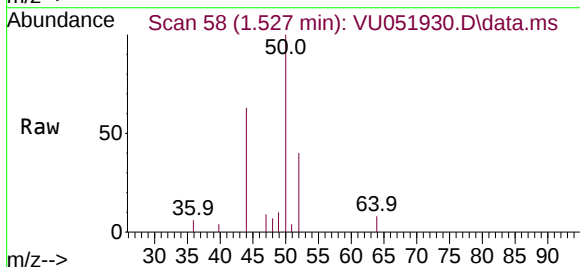
Instrument :
MSVOA_U
ClientSampleId :
BH1J9

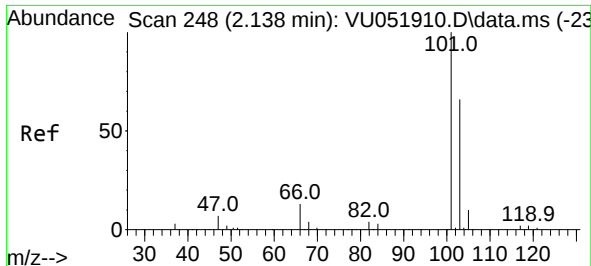
Tgt Ion: 85 Resp: 3333
Ion Ratio Lower Upper
85 100
87 32.3 25.8 38.8



#3
Chloromethane
Concen: 0.292 ug/L
RT: 1.527 min Scan# 58
Delta R.T. 0.003 min
Lab File: VU051930.D
Acq: 19 Nov 2022 03:33

Tgt Ion: 50 Resp: 7630
Ion Ratio Lower Upper
50 100
52 39.9 23.4 43.4

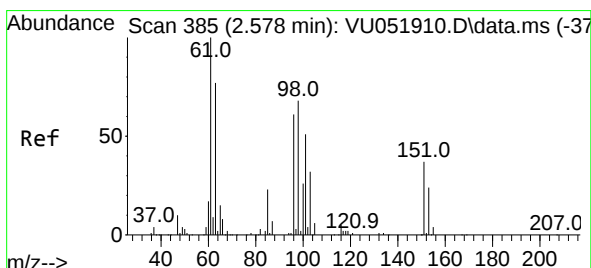
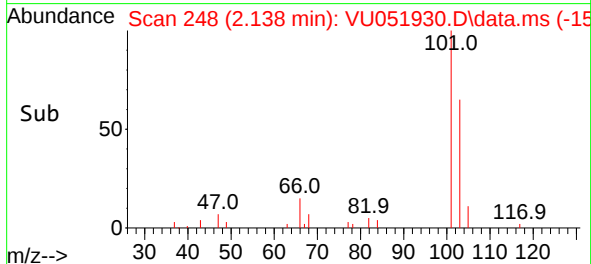
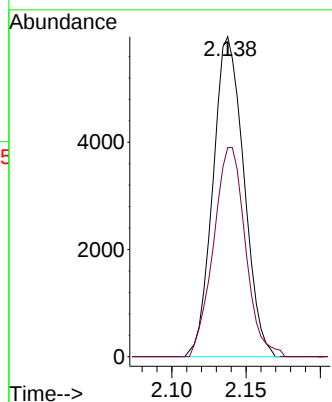
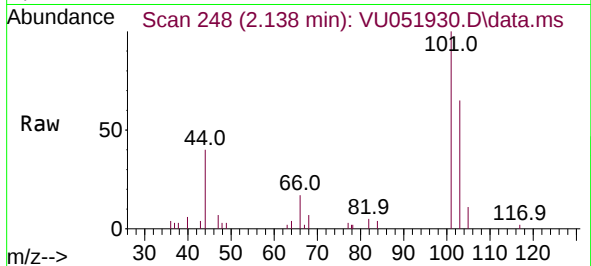




#9
 Trichlorofluoromethane
 Concen: 0.313 ug/L
 RT: 2.138 min Scan# 248
 Delta R.T. 0.000 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

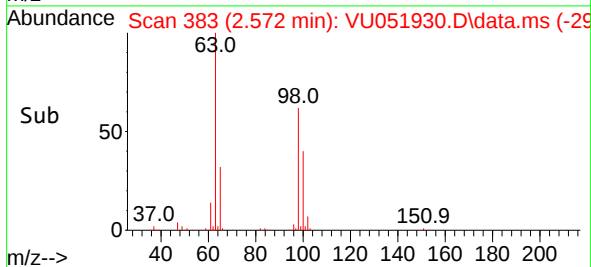
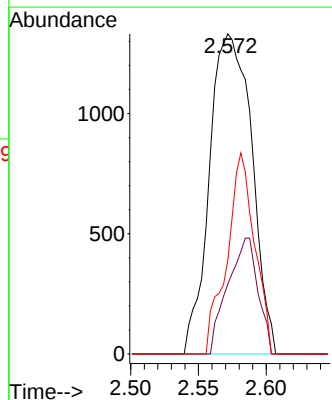
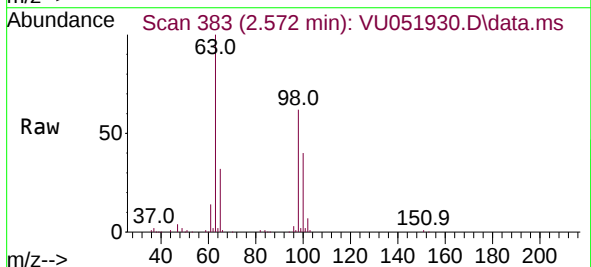
Instrument :
 MSVOA_U
 ClientSampleId :
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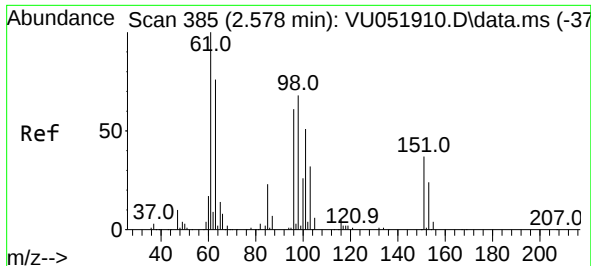
Tgt Ion:101 Resp: 8626
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.171 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

Tgt Ion:101 Resp: 2885
 Ion Ratio Lower Upper
 101 100
 85 25.8 33.8 50.6#
 151 41.1 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 0.236 ug/L

RT: 2.578 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

MSVOA_U

ClientSampleId :

BH1J9

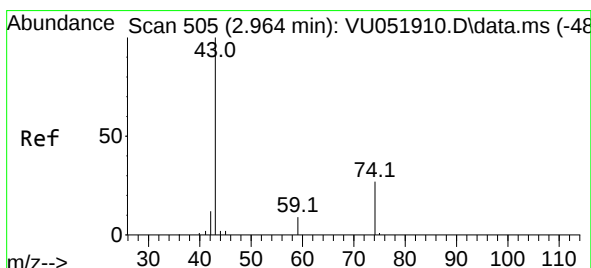
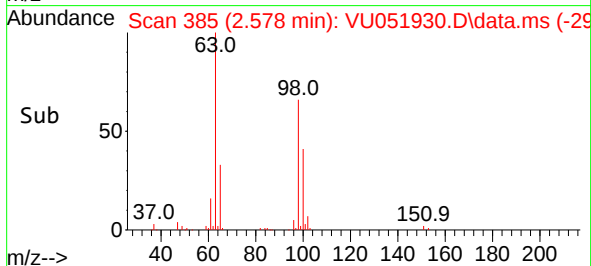
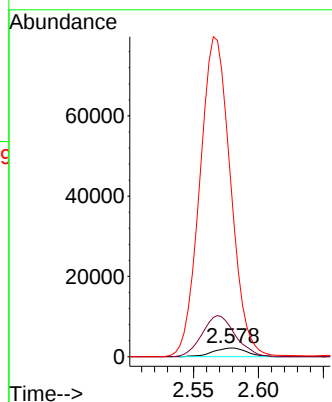
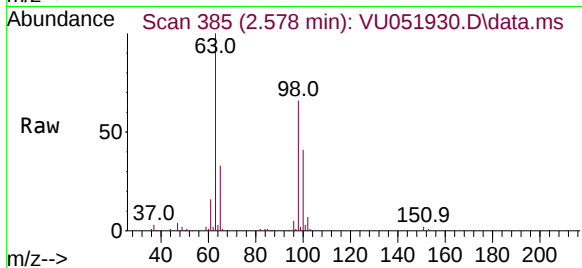
Tgt Ion: 96 Resp: 3956

Ion Ratio Lower Upper

96 100

61 348.1 114.8 213.2#

63 2126.0 93.7 174.1#



#15

Methyl Acetate

Concen: 0.465 ug/L

RT: 3.179 min Scan# 572

Delta R.T. 0.215 min

Lab File: VU051930.D

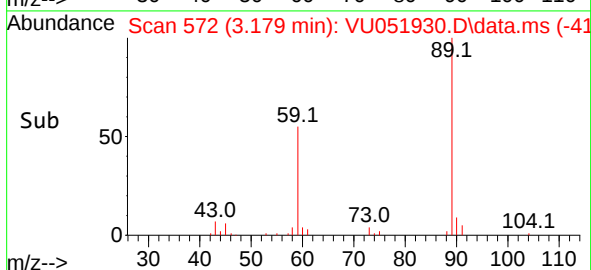
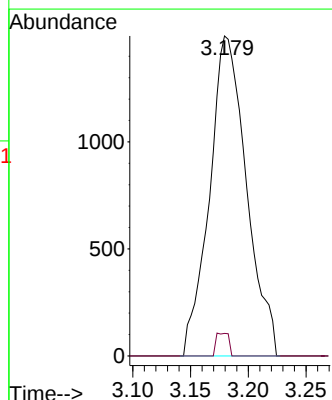
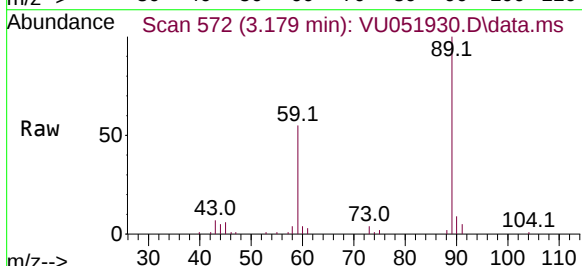
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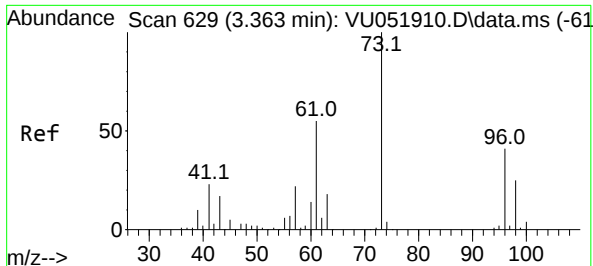
Tgt Ion: 43 Resp: 3330

Ion Ratio Lower Upper

43 100

74 2.4 21.3 31.9#





#17

Methyl tert-butyl Ether

Concen: 0.186 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.006 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

MSVOA_U

ClientSampleId :

BH1J9

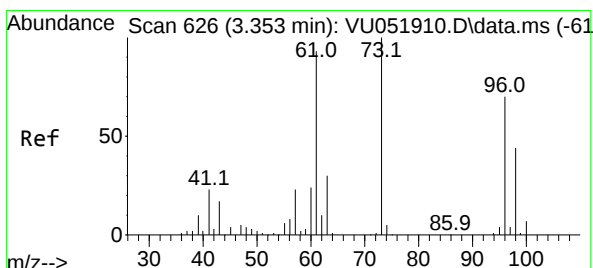
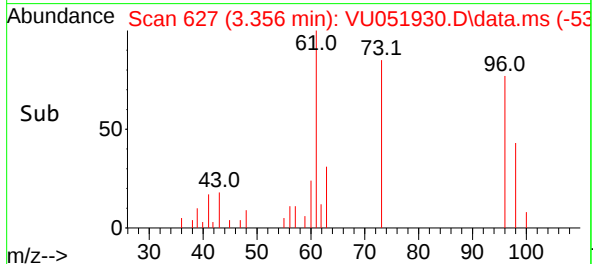
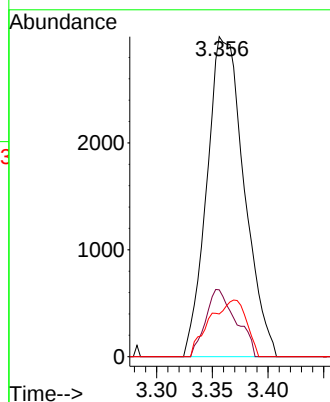
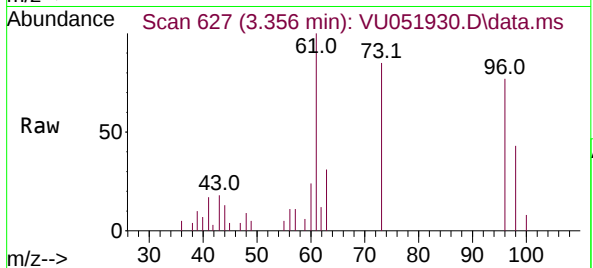
Tgt Ion: 73 Resp: 6956

Ion Ratio Lower Upper

73 100

43 17.0 13.2 19.8

57 17.5 17.8 26.8#



#18

trans-1,2-Dichloroethene

Concen: 0.311 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

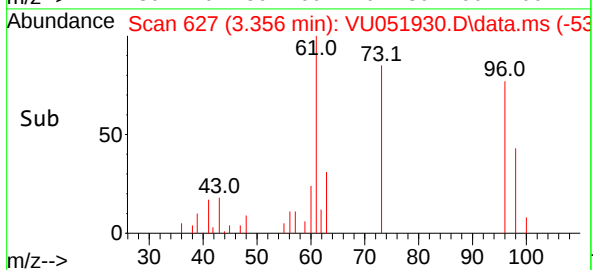
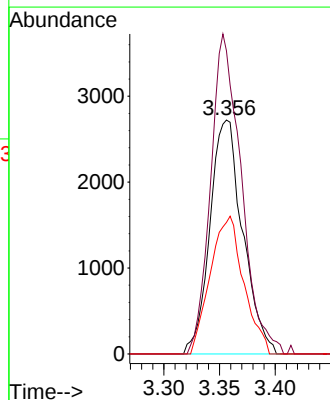
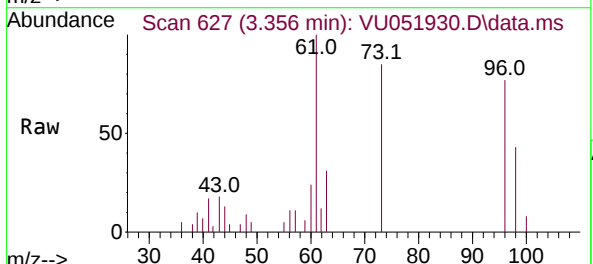
Tgt Ion: 96 Resp: 5574

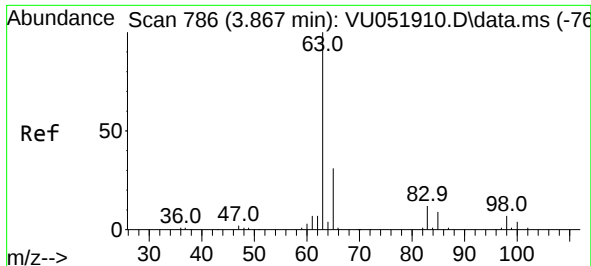
Ion Ratio Lower Upper

96 100

61 129.6 97.9 181.7

98 56.2 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.119 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.007 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

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ClientSampleId :

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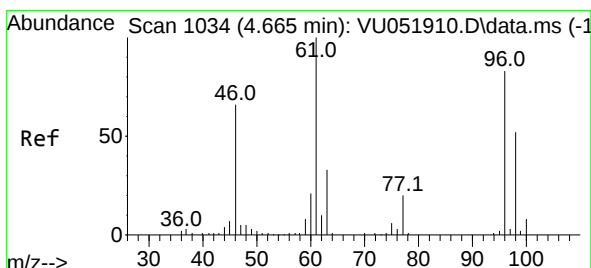
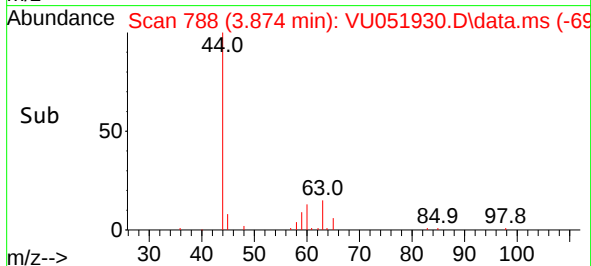
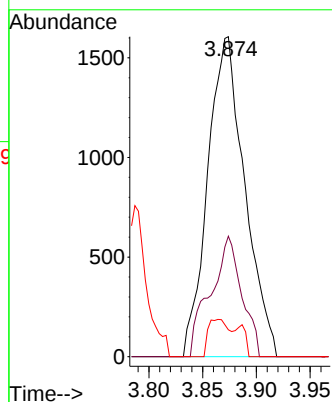
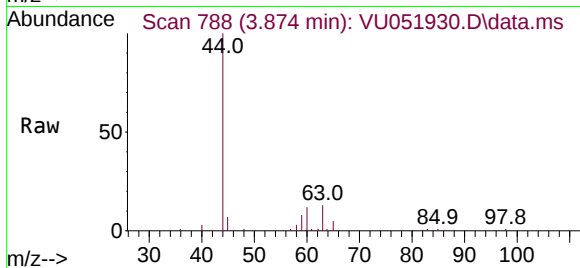
Tgt Ion: 63 Resp: 3839

Ion Ratio Lower Upper

63 100

65 35.1 22.2 41.2

83 7.8 9.2 17.0#



#22

cis-1,2-Dichloroethene

Concen: 6.050 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

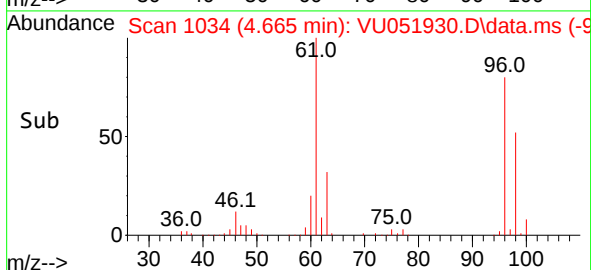
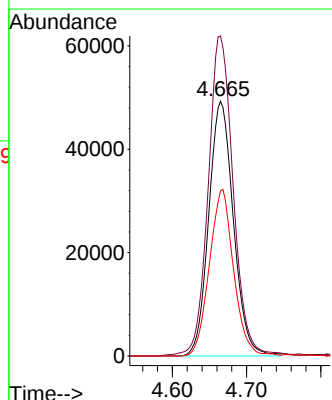
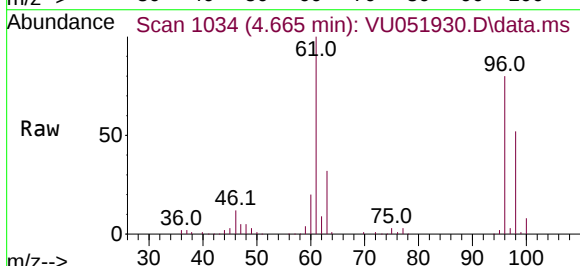
Tgt Ion: 96 Resp: 113879

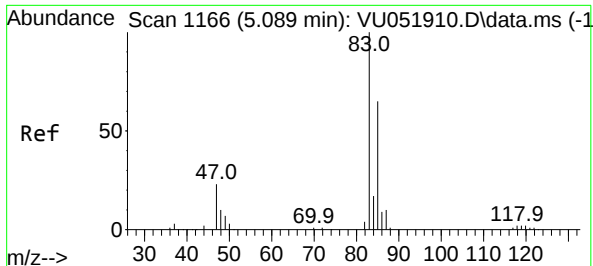
Ion Ratio Lower Upper

96 100

61 125.7 85.1 158.1

98 64.9 42.8 79.6





#25

Chloroform

Concen: 0.459 ug/L

RT: 5.086 min Scan# 1166

Delta R.T. -0.003 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

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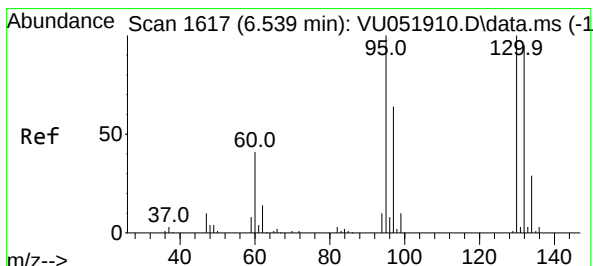
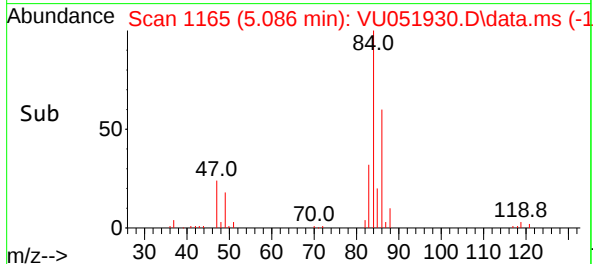
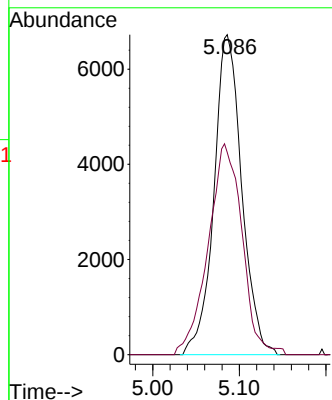
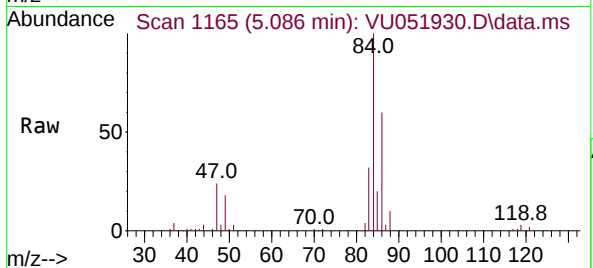
BH1J9

Tgt Ion: 83 Resp: 15037

Ion Ratio Lower Upper

83 100

85 63.2 43.8 81.4



#34

Trichloroethene

Concen: 54.026 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Tgt Ion: 95 Resp: 1049253

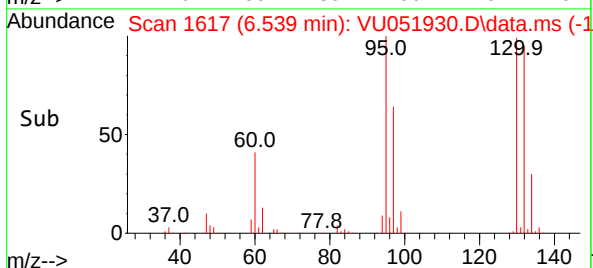
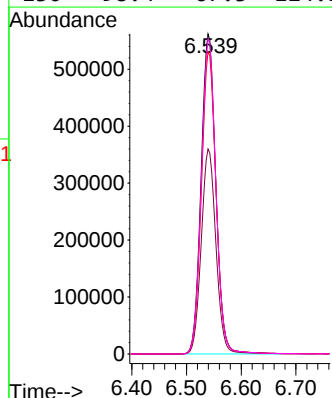
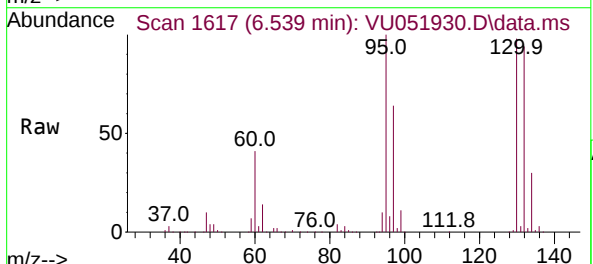
Ion Ratio Lower Upper

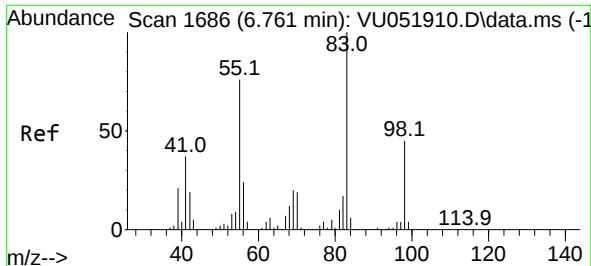
95 100

97 64.0 43.7 81.1

132 94.5 64.3 119.3

130 98.4 67.3 124.9





#35

Methylcyclohexane

Concen: 0.976 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.071 min

Lab File: VU051930.D

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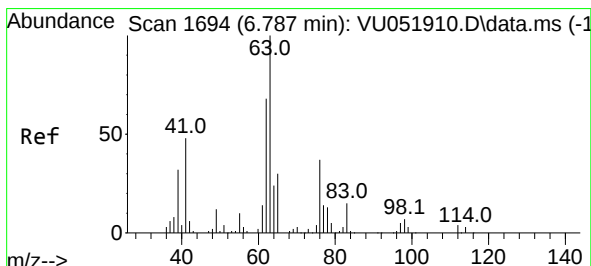
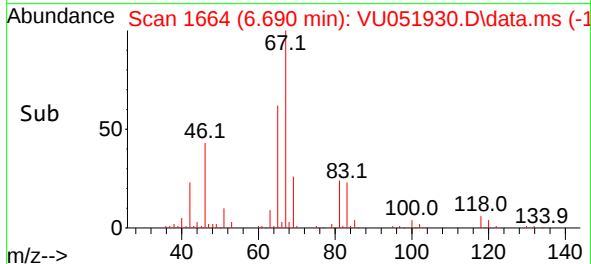
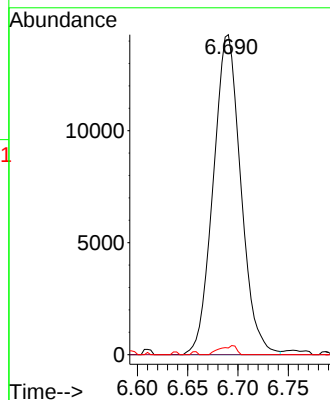
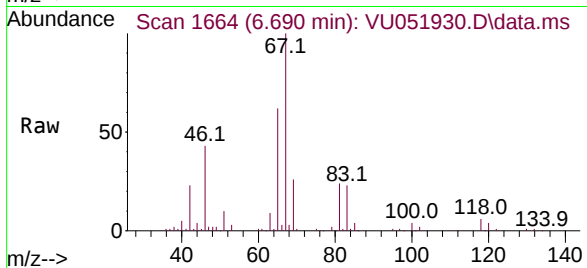
Tgt Ion: 83 Resp: 27254

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 0.0 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.596 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.100 min

Lab File: VU051930.D

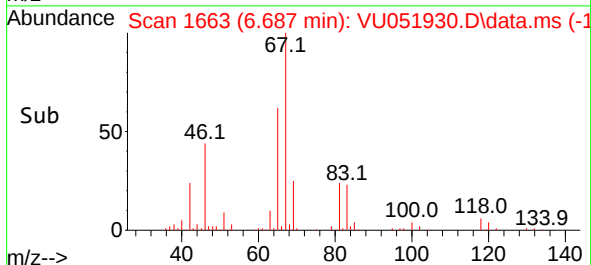
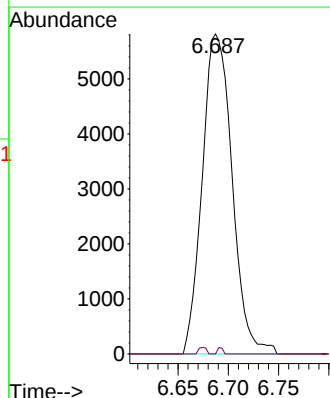
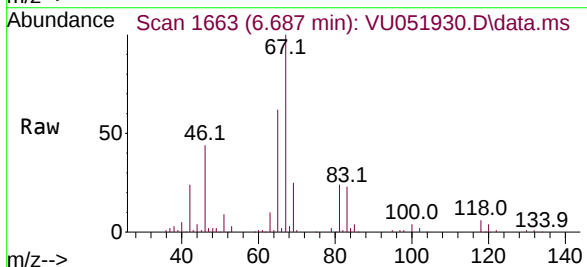
Acq: 19 Nov 2022 03:33

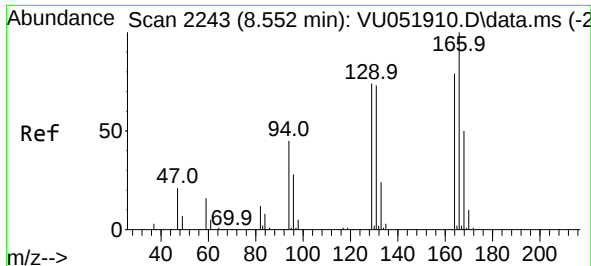
Tgt Ion: 63 Resp: 12017

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#





#47

Tetrachloroethene

Concen: 7.230 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU051930.D

Acq: 19 Nov 2022 03:33

Instrument :

MSVOA_U

ClientSampleId :

BH1J9

Tgt Ion:164 Resp: 107619

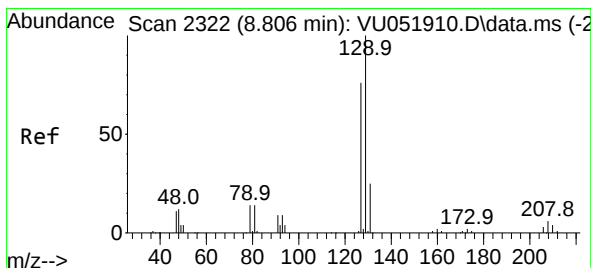
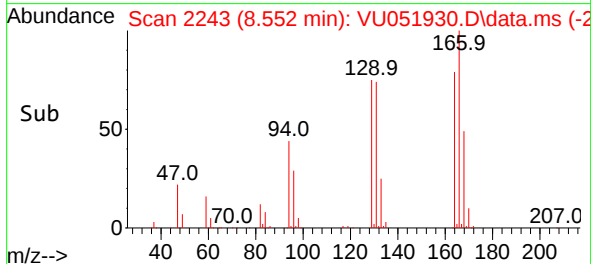
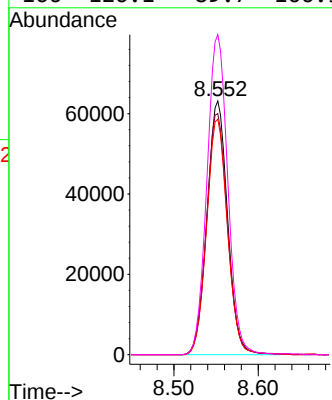
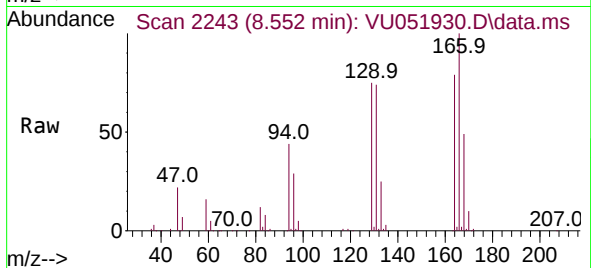
Ion Ratio Lower Upper

164 100

129 95.0 67.4 125.2

131 92.9 67.1 124.7

166 126.1 89.7 166.5



#49

Dibromochloromethane

Concen: 6.087 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.254 min

Lab File: VU051930.D

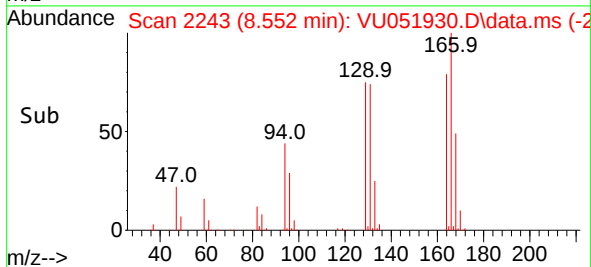
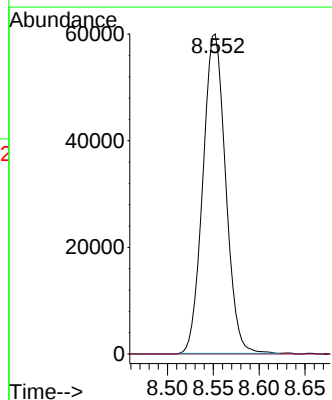
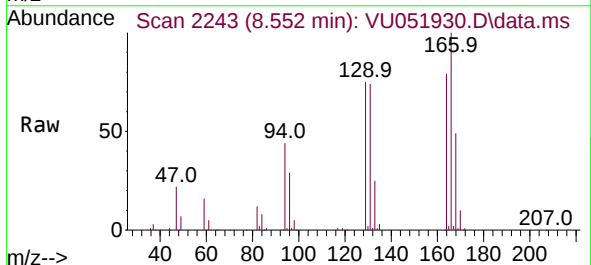
Acq: 19 Nov 2022 03:33

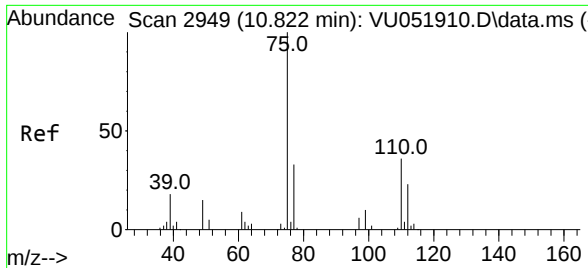
Tgt Ion:129 Resp: 103286

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#





#61
 1,2,3-Trichloropropane
 Concen: 1.080 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU051930.D
 Acq: 19 Nov 2022 03:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J9

Tgt Ion:	75	Resp:	11012
Ion	Ratio	Lower	Upper
75	100		
110	1.9	28.3	42.5#
77	31.1	26.2	39.2

