

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110520\
 Data File : VU041108.D
 Acq On : 05 Nov 2020 16:39
 Operator : SY/MD
 Sample : L4648-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:52:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 06 01:44:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52156	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55531	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24164	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20792	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	18006	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.58	63	32875	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.65	46	81126	56.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.44%
24) Chloroform-d	5.08	84	44885	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
26) 1,2-Dichloroethane-d4	5.72	65	27892	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.74	84	82788	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.70	67	28574	5.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.20%
41) Toluene-d8	7.91	98	69033	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	8.19	79	10623	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.64	63	62768	55.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.24%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24289	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	27463	6.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	129.60%#

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	330	0.066 ug/L #	43
9) Trichlorofluoromethane	2.15	101	182490	27.410 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	485	0.124 ug/L #	22
13) Acetone	2.65	43	2100	2.129 ug/L	85
15) Methyl Acetate	2.96	43	912	0.404 ug/L #	53
22) cis-1,2-Dichloroethene	4.69	96	257	0.067 ug/L	88
25) Chloroform	5.11	83	2779	0.370 ug/L	96
27) 1,2-Dichloroethane	5.74	62	488	0.087 ug/L #	74
31) Carbon tetrachloride	5.54	117	4021	0.669 ug/L	99
34) Trichloroethene	6.55	95	3901	0.924 ug/L	96
35) Methylcyclohexane	6.70	83	6522	1.035 ug/L #	16
37) 1,2-Dichloropropane	6.70	63	3160	0.704 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	708	0.115 ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	485	0.084 ug/L #	81
45) 1,1,2-Trichloroethane	8.41	97	617	0.185 ug/L	87
47) Tetrachloroethene	8.56	164	316839	102.042 ug/L	97
49) Dibromochloromethane	8.56	129	317523	81.807 ug/L #	11

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Quant Time: Nov 06 01:52:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration

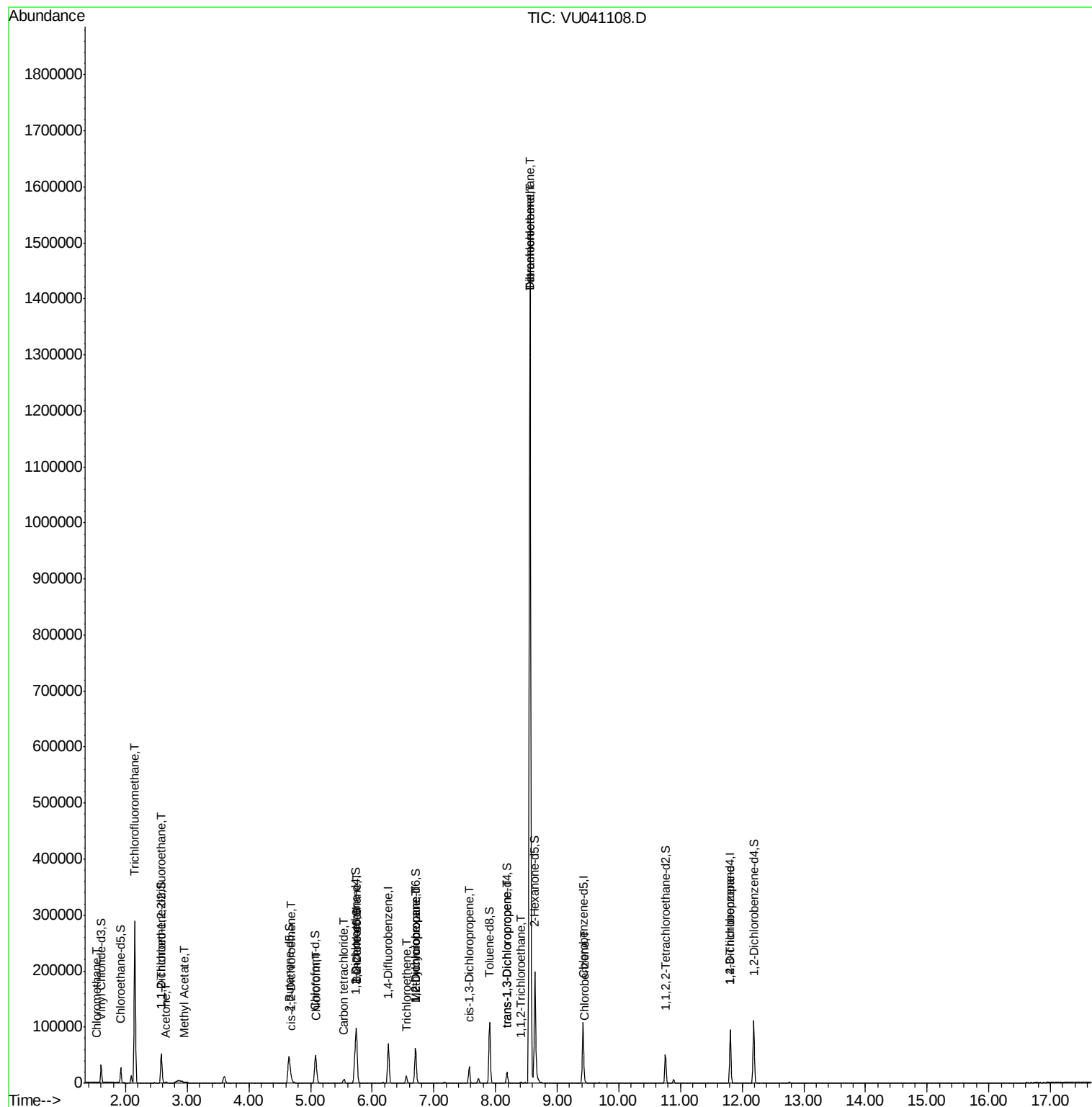
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.45	112	816	0.076	ug/L	91
59) 1,2,3-Trichloropropane	11.81	75	3246	0.970	ug/L	95

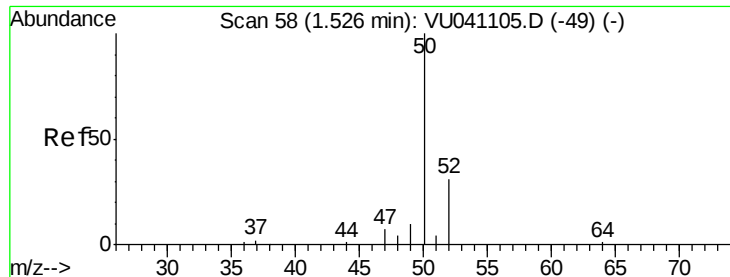
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.066 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Instrument :

MSVOA_U

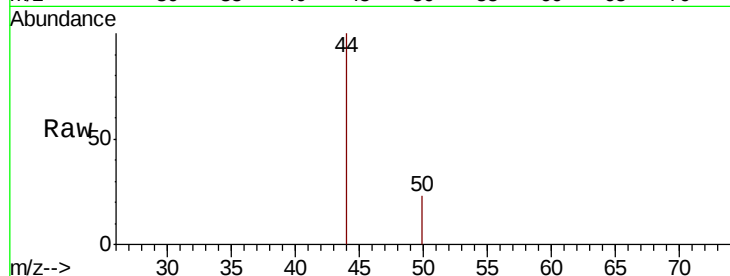
ClientSampleId :

Tot Ion: 50 Resp: 330

Ion Ratio Lower Upper

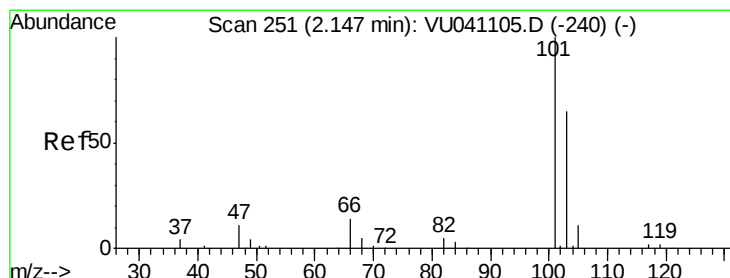
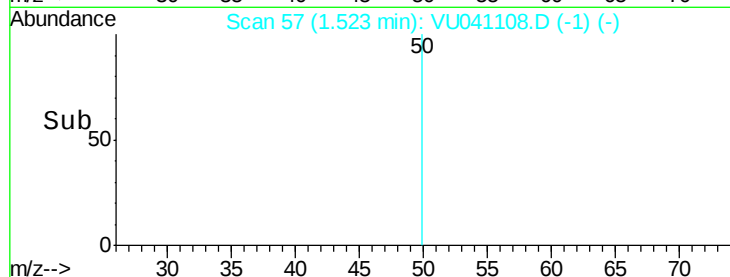
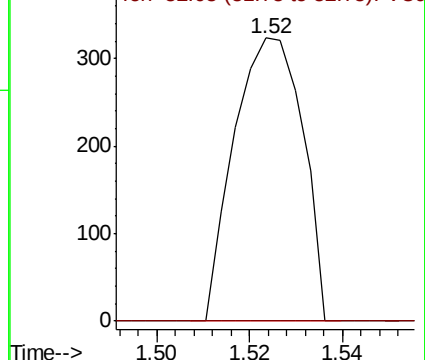
50 100

52 0.0 22.4 41.6#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#9

Trichlorofluoromethane

Concen: 27.410 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041108.D

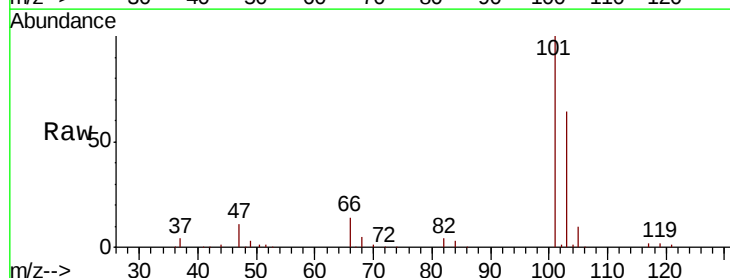
Acq: 05 Nov 2020 16:39

Tgt Ion:101 Resp: 182490

Ion Ratio Lower Upper

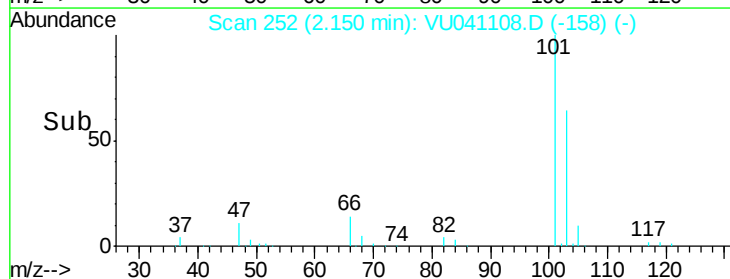
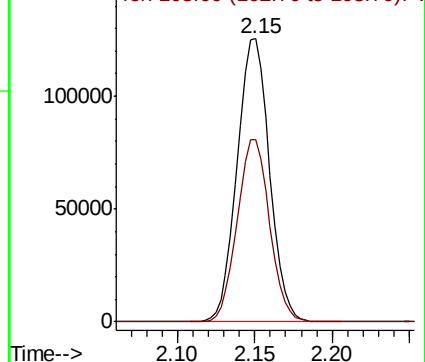
101 100

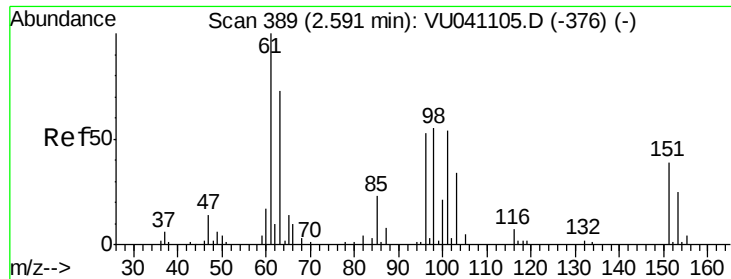
103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.124 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Instrument :

MSVOA_U

ClientSampleId :

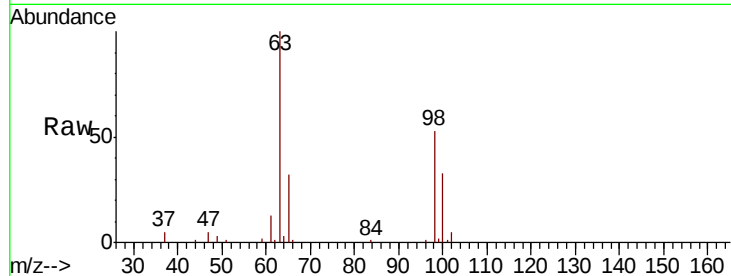
Tot Ion:101 Resp: 485

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

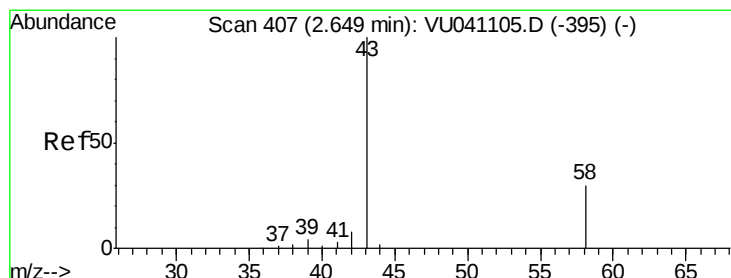
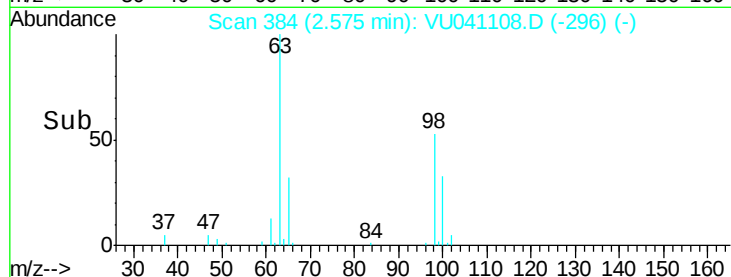
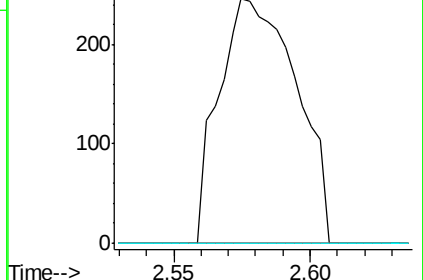
151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.129 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041108.D

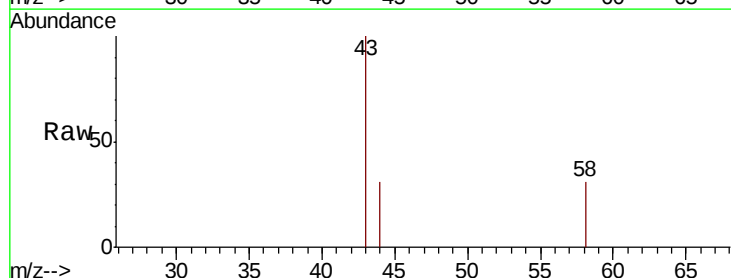
Acq: 05 Nov 2020 16:39

Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

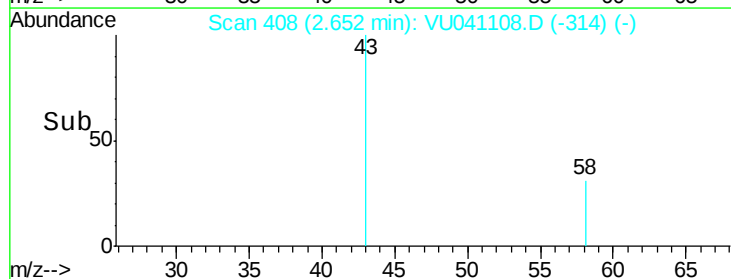
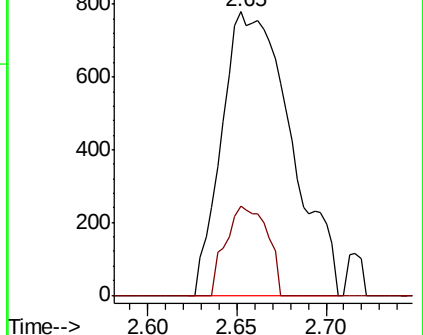
43 100

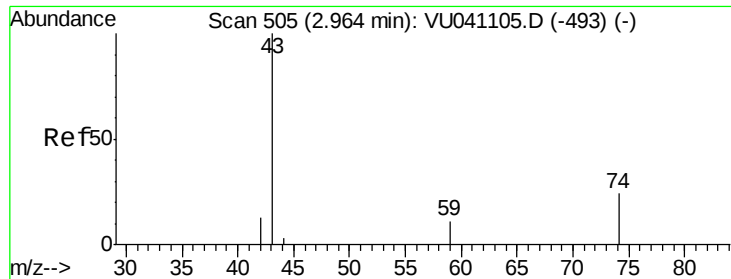
58 18.6 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

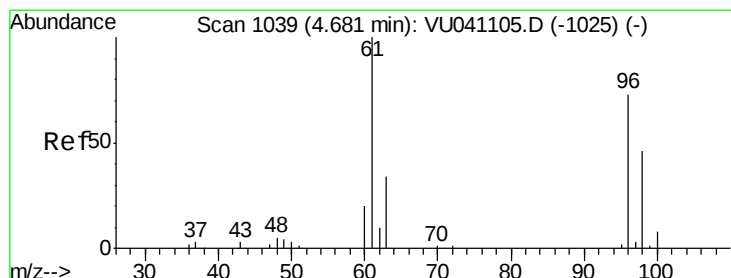
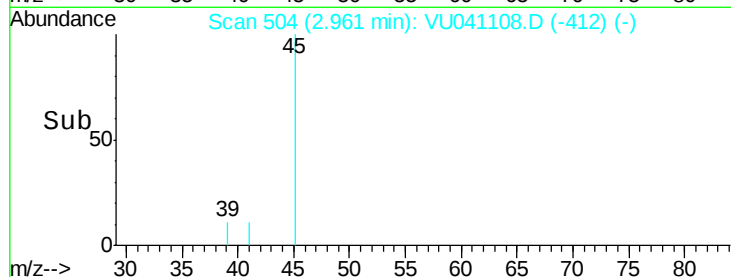
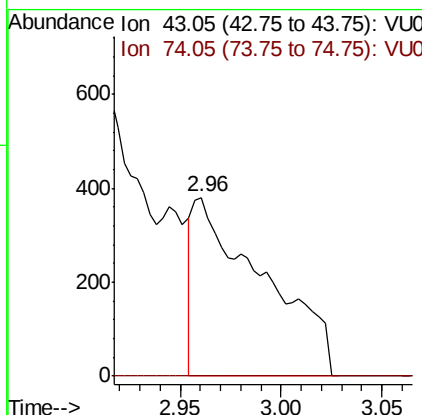
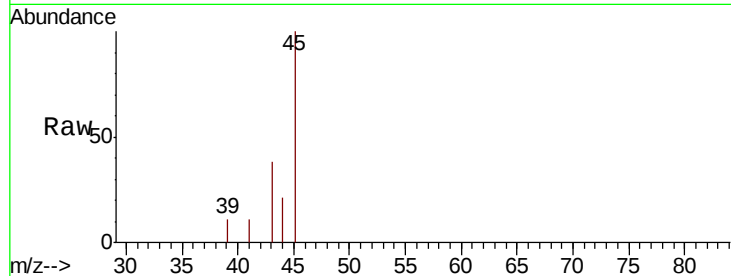




#15
Methvl Acetate
Concen: 0.404 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

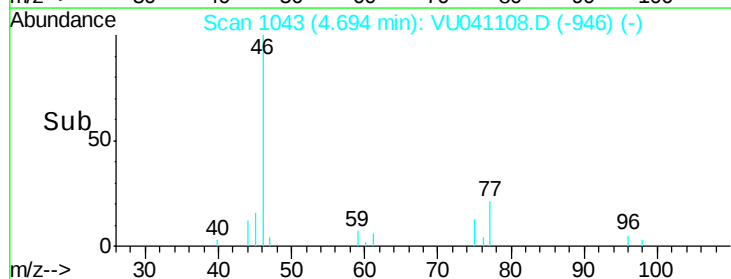
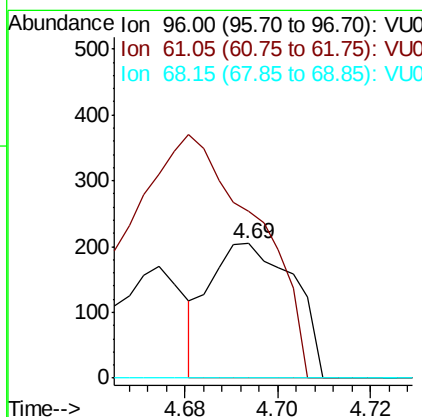
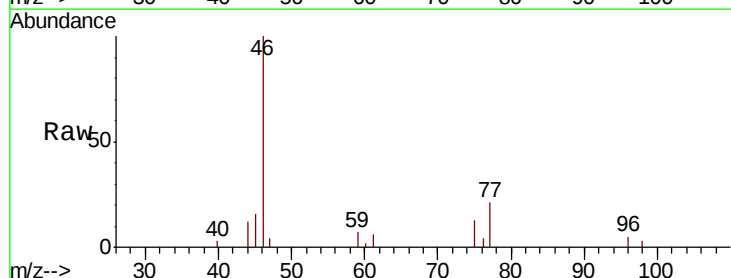
Instrument :
MSVOA_U
ClientSampleId :

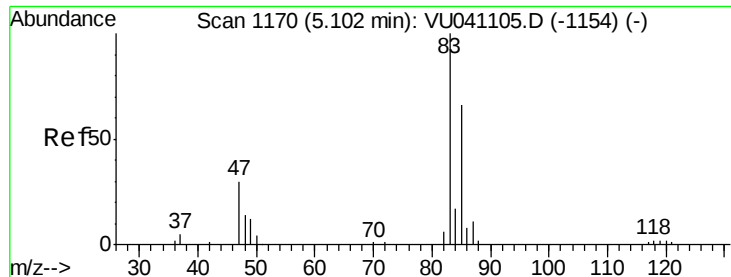
Tot Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#22
cis-1,2-Dichloroethene
Concen: 0.067 ug/L
RT: 4.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

Tgt Ion: 96 Resp: 257
Ion Ratio Lower Upper
96 100
61 124.5 97.2 180.4
68 0.0 0.0 0.0

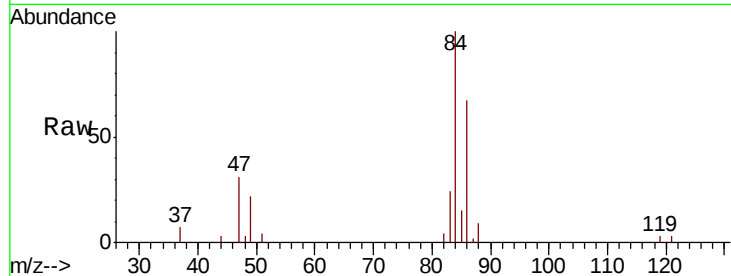




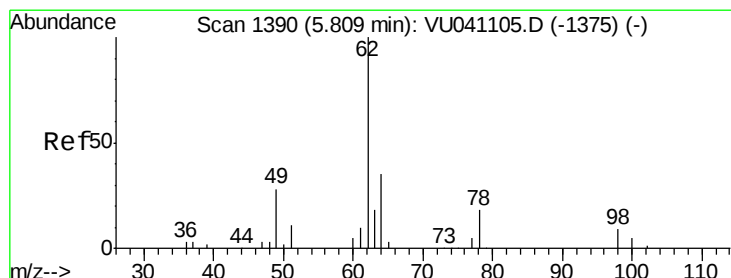
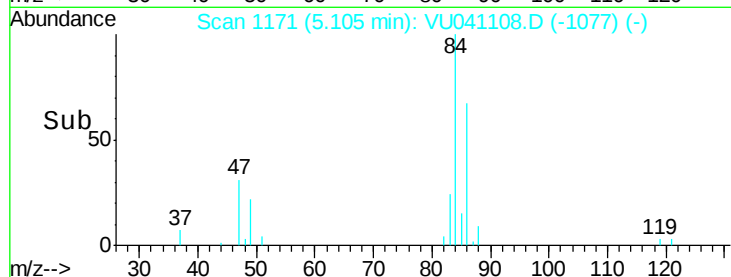
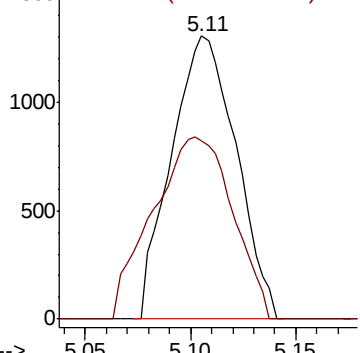
#25
Chloroform
Concen: 0.370 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 2779
Ion Ratio Lower Upper
83 100
85 62.9 46.1 85.7

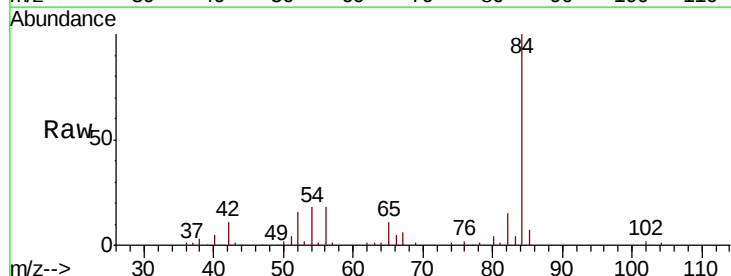


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

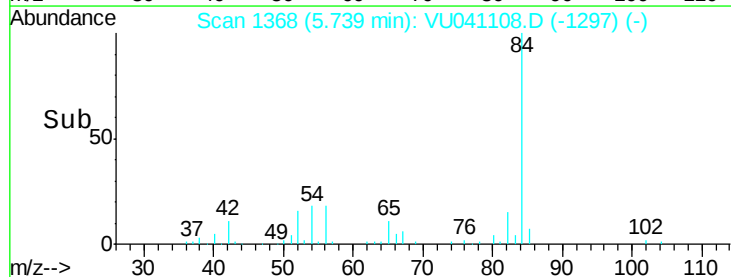
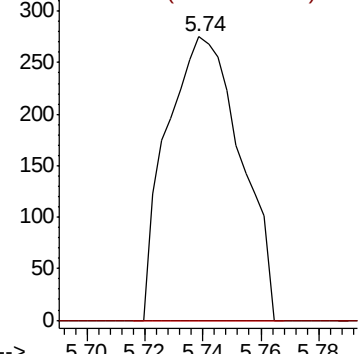


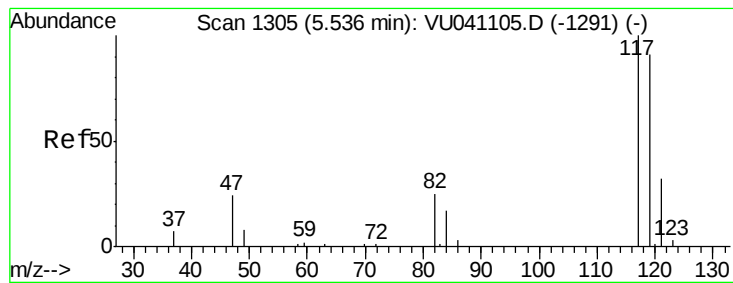
#27
1,2-Dichloroethane
Concen: 0.087 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

Tgt Ion: 62 Resp: 488
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#31

Carbon tetrachloride

Concen: 0.669 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Instrument :

MSVOA_U

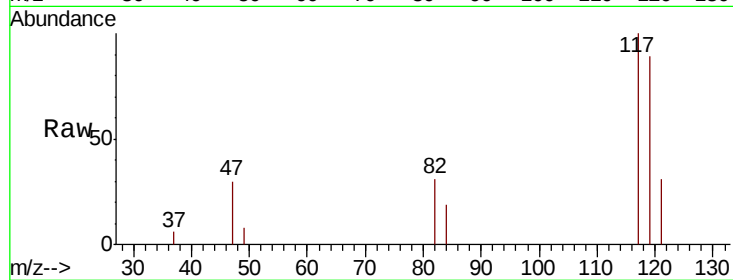
ClientSampleId :

Tot Ion:117 Resp: 4021

Ion Ratio Lower Upper

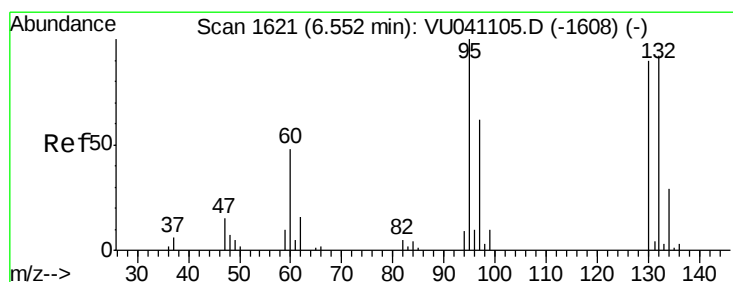
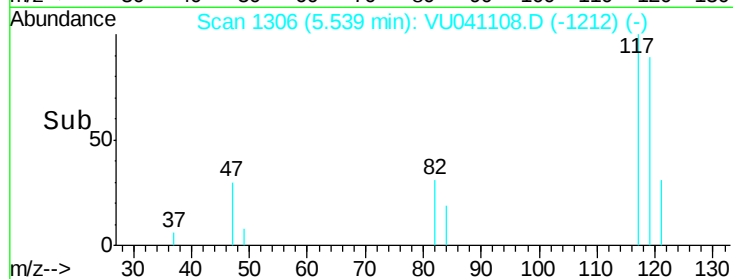
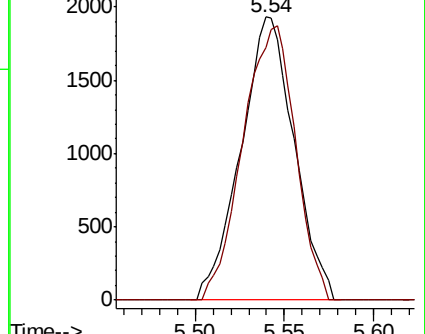
117 100

119 95.8 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.924 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Tgt Ion: 95 Resp: 3901

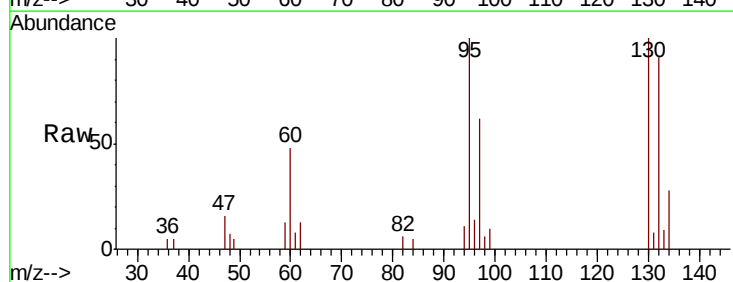
Ion Ratio Lower Upper

95 100

97 61.9 45.6 84.6

132 91.7 64.8 120.4

130 100.3 64.8 120.4

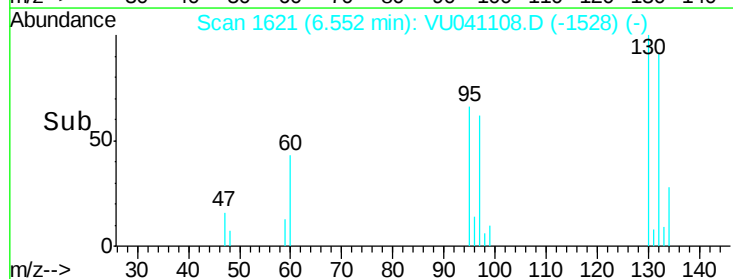
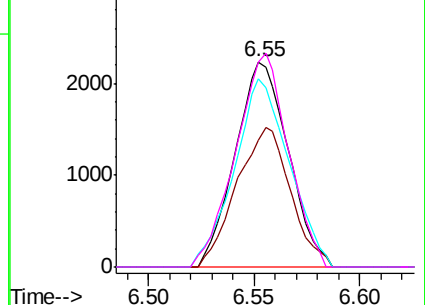


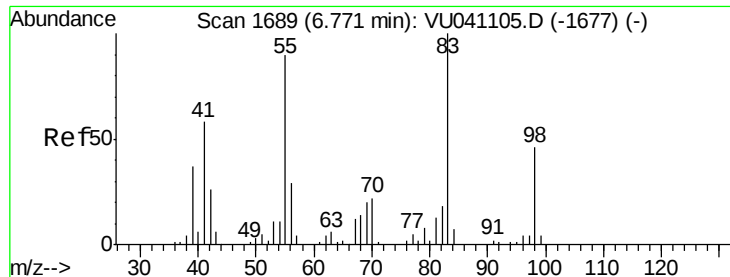
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

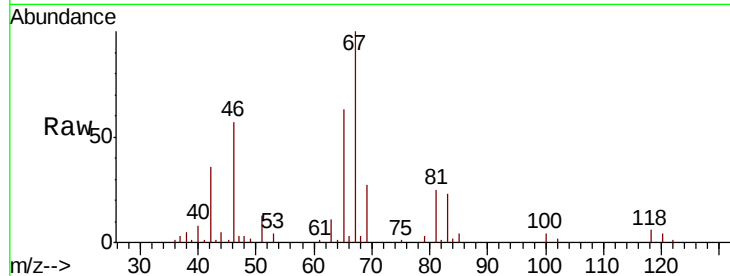




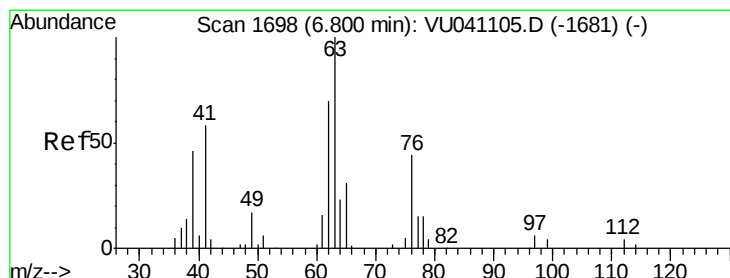
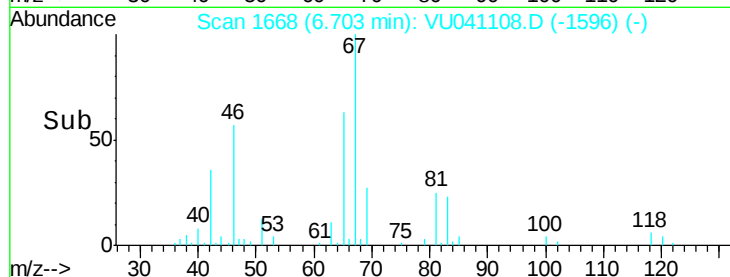
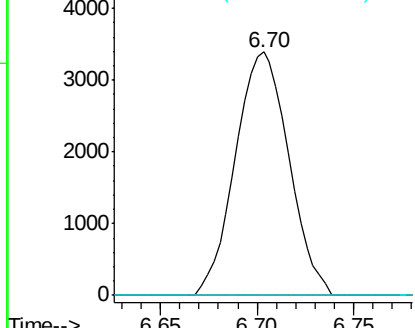
#35
Methvlcvclohexane
Concen: 1.035 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6522
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 5.1 36.6 55.0#

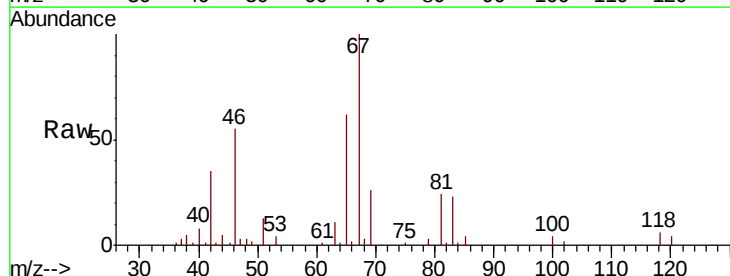


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

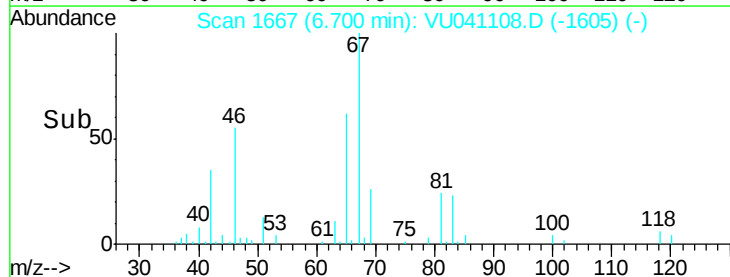
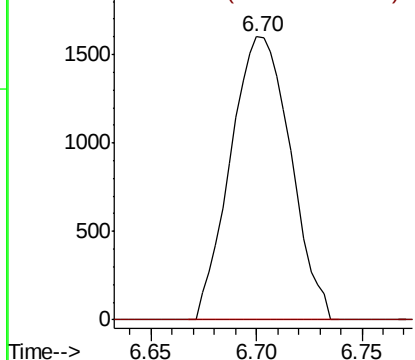


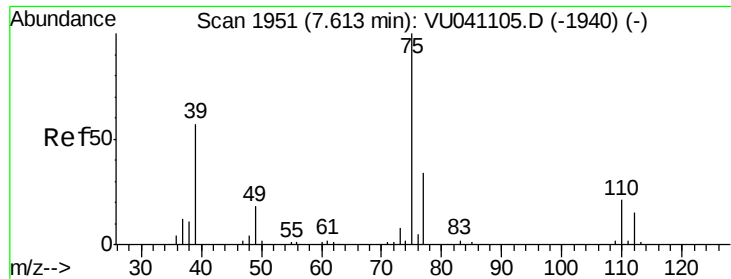
#37
1,2-Dichloropropane
Concen: 0.704 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041108.D
Acq: 05 Nov 2020 16:39

Tgt Ion: 63 Resp: 3160
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

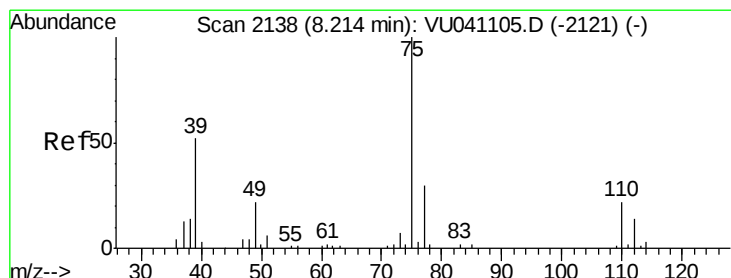
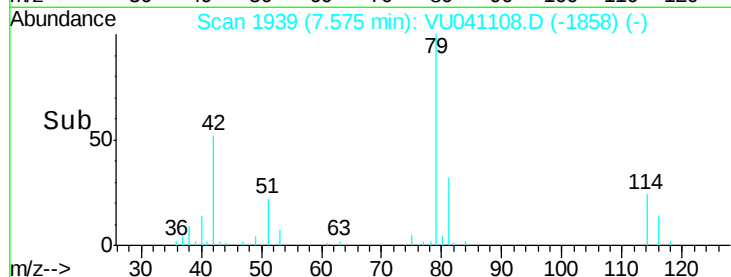
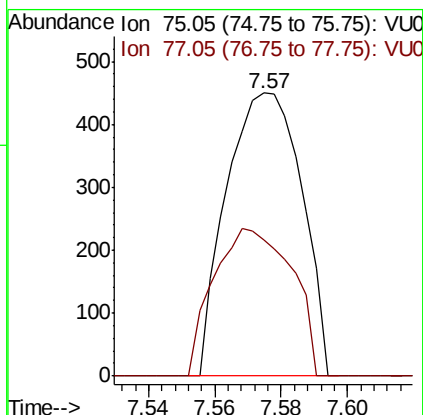
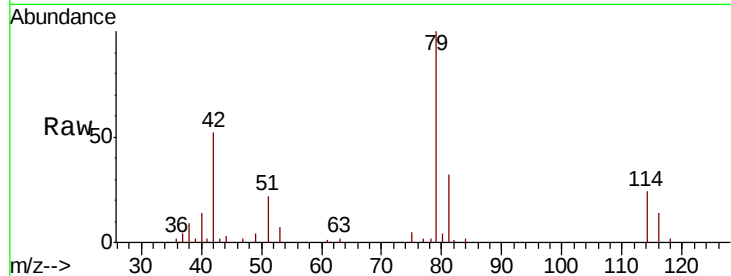




#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041108.D
 Acq: 05 Nov 2020 16:39

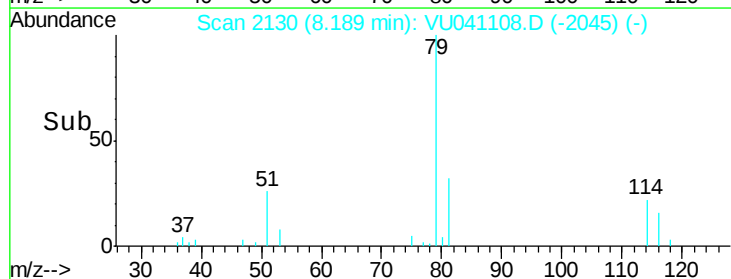
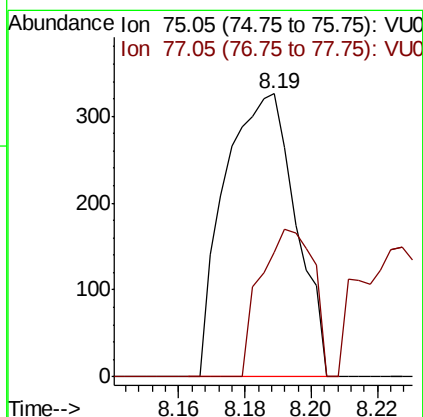
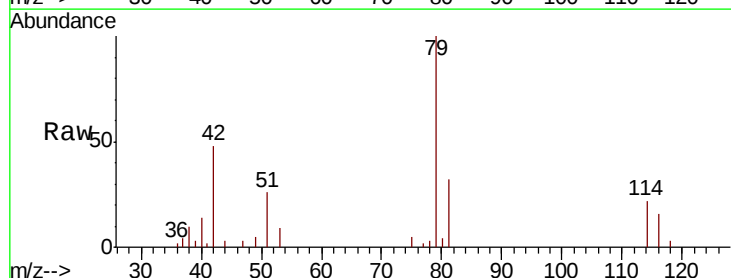
Instrument :
 MSVOA_U
 ClientSampled :

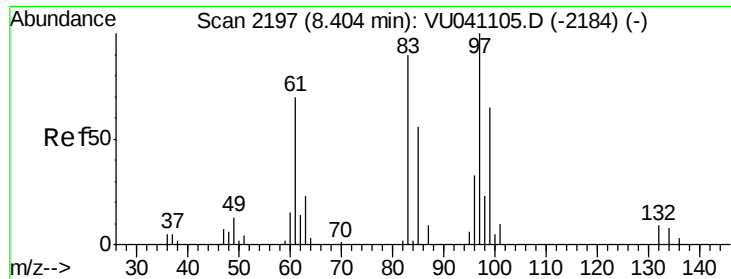
Tot Ion: 75 Resp: 708
 Ion Ratio Lower Upper
 75 100
 77 48.0 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041108.D
 Acq: 05 Nov 2020 16:39

Tgt Ion: 75 Resp: 485
 Ion Ratio Lower Upper
 75 100
 77 44.2 23.3 43.3#

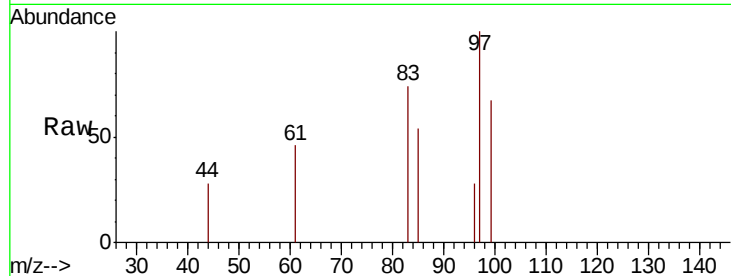




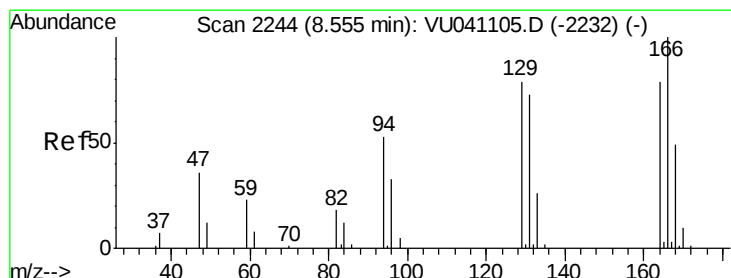
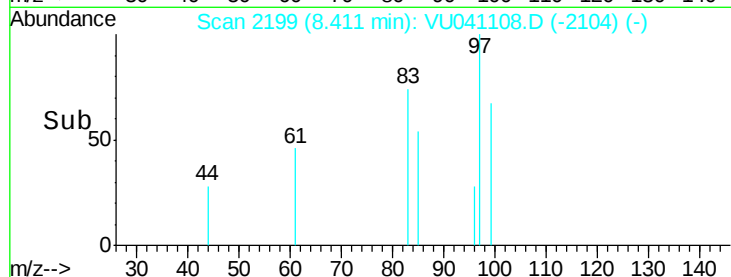
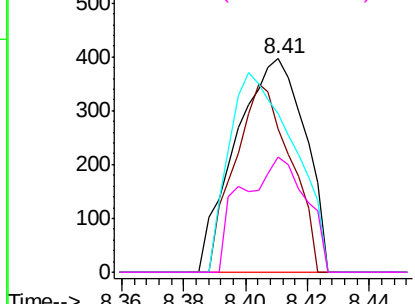
#45
 1,1,2-Trichloroethane
 Concen: 0.185 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VU041108.D
 Acq: 05 Nov 2020 16:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	617
Ion	Ratio	Lower	Upper
97	100		
99	67.0	45.8	85.2
83	74.1	67.9	126.1
85	54.2	42.8	79.6

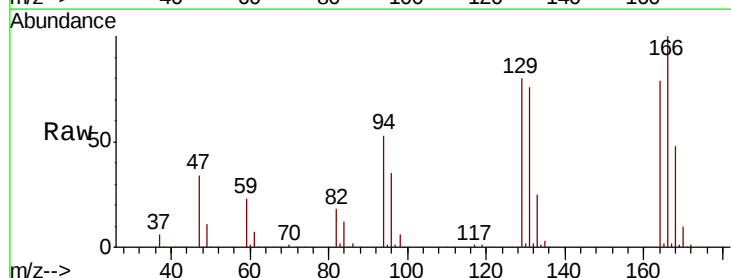


Abundance Ion 96.95 (96.65 to 97.65): VU041108.D (-2197) (-)
 Ion 99.05 (98.75 to 99.75): VU041108.D (-2197) (-)
 Ion 82.95 (82.65 to 83.65): VU041108.D (-2197) (-)
 Ion 85.00 (84.70 to 85.70): VU041108.D (-2197) (-)

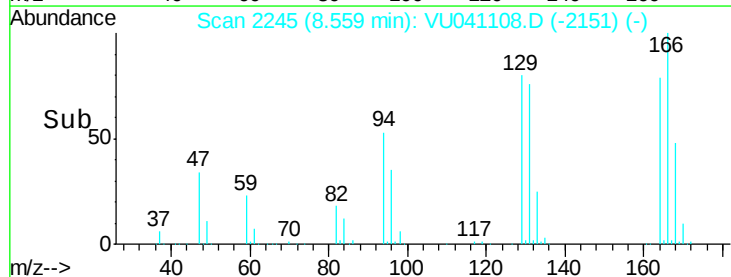
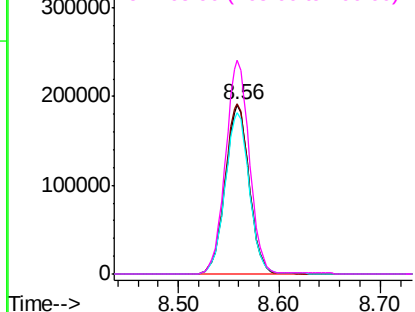


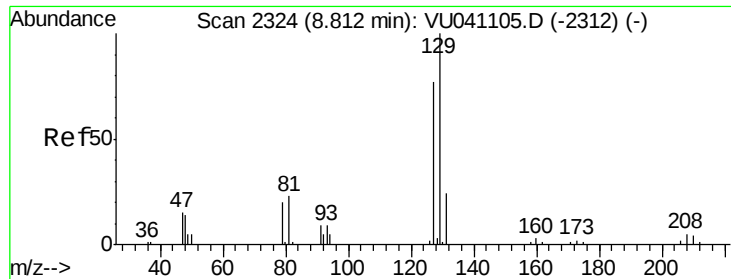
#47
 Tetrachloroethene
 Concen: 102.042 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041108.D
 Acq: 05 Nov 2020 16:39

Tgt Ion:	164	Resp:	316839
Ion	Ratio	Lower	Upper
164	100		
129	101.0	70.3	130.7
131	95.7	70.8	131.4
166	126.4	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041108.D (-2244) (-)
 Ion 128.95 (128.65 to 129.65): VU041108.D (-2244) (-)
 Ion 130.95 (130.65 to 131.65): VU041108.D (-2244) (-)
 Ion 165.90 (165.60 to 166.60): VU041108.D (-2244) (-)





#49

Dibromochloromethane

Concen: 81.807 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Instrument :

MSVOA_U

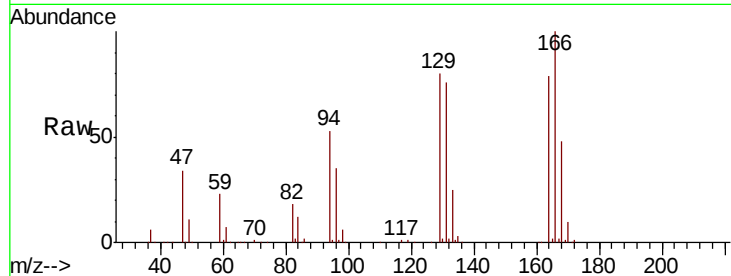
ClientSampled :

Tot Ion:129 Resp: 317523

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

200000

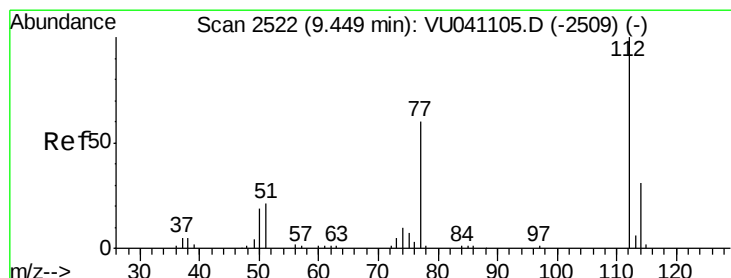
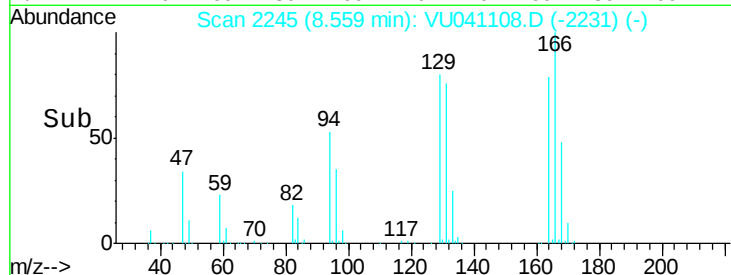
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 0.076 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

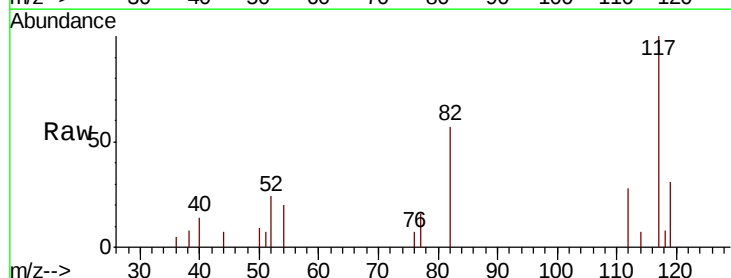
Tgt Ion:112 Resp: 816

Ion Ratio Lower Upper

112 100

114 27.0 22.4 41.6

77 57.3 51.2 76.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

800

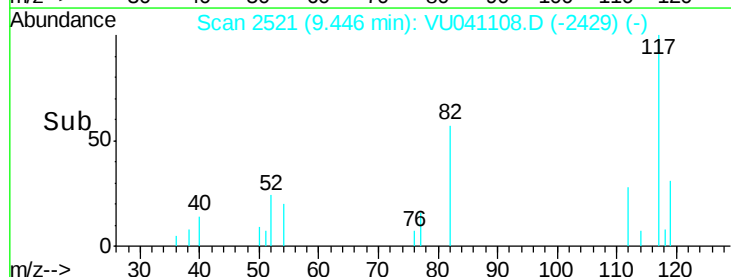
600

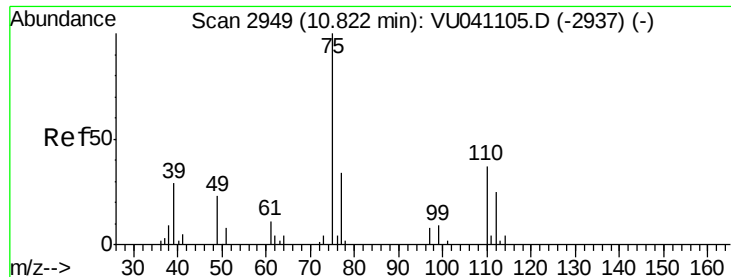
400

200

0

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041108.D

Acq: 05 Nov 2020 16:39

Instrument :

MSVOA_U

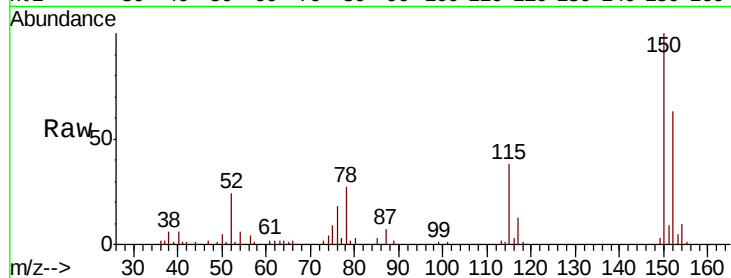
ClientSampleId :

Tot Ion: 75 Resp: 3246

Ion Ratio Lower Upper

75 100

77 34.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

