

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110520\
 Data File : VU041111.D
 Acq On : 05 Nov 2020 17:49
 Operator : SY/MD
 Sample : L4648-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 06 01:52:30 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	52733	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23392	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15968	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.92	69	13810	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.58	63	23467	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.65	46	84411	57.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.72%
24) Chloroform-d	5.08	84	37555	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	23896	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.74	84	62940	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	23362	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	49286	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	8.19	79	9233	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.64	63	60195	53.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22783	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	21390	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	201	0.064	ug/L #	43
9) Trichlorofluoromethane	2.15	101	85579	12.713	ug/L	99
13) Acetone	2.65	43	2434	2.440	ug/L	70
15) Methyl Acetate	2.95	43	821	0.360	ug/L #	53
22) cis-1,2-Dichloroethene	4.69	96	1967	0.504	ug/L	99
25) Chloroform	5.11	83	2015	0.266	ug/L	100
27) 1,2-Dichloroethane	5.74	62	349	0.062	ug/L #	74
31) Carbon tetrachloride	5.54	117	1824	0.304	ug/L	89
33) Benzene	5.79	78	1136	0.069	ug/L	100
34) Trichloroethene	6.55	95	11021	2.612	ug/L	98
35) Methylcyclohexane	6.71	83	5526	0.878	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2784	0.621	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	520	0.084	ug/L #	42
40) 4-Methyl-2-pentanone	7.72	43	6157	1.721	ug/L #	45
44) trans-1,3-Dichloropropene	8.19	75	350	0.061	ug/L #	41
45) 1,1,2-Trichloroethane	8.40	97	345	0.103	ug/L #	66
47) Tetrachloroethene	8.56	164	140664	45.335	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 06 01:44:25 2020
Response via : Initial Calibration

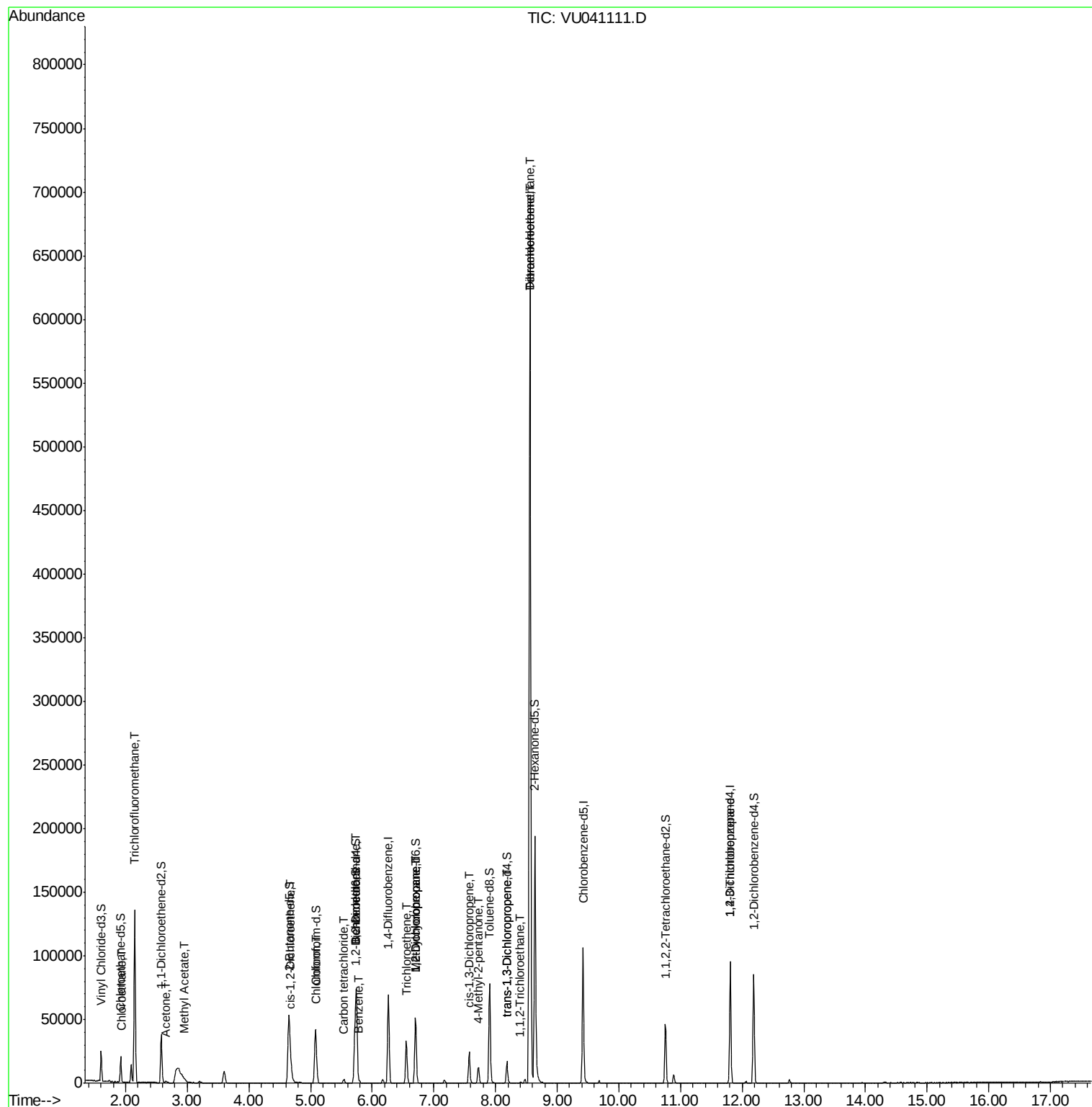
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	138971	35.830	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3407	1.019	ug/L	96

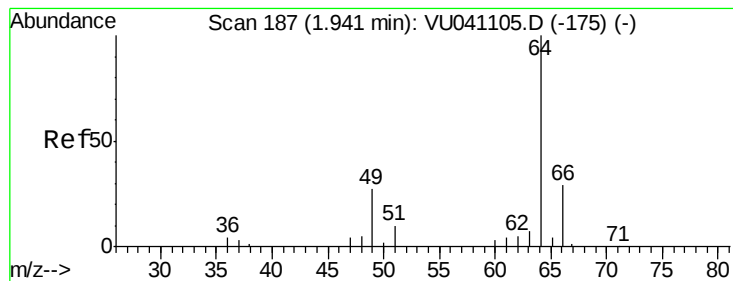
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.064 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041111.D

Acq: 05 Nov 2020 17:49

Instrument :

MSVOA_U

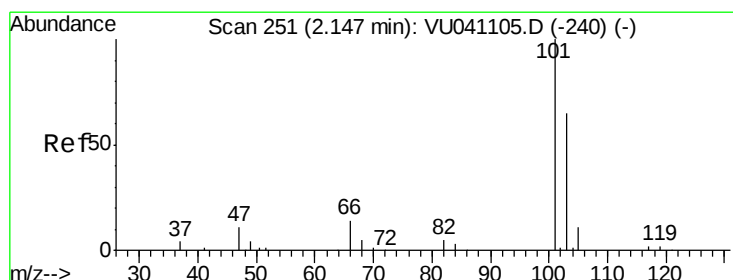
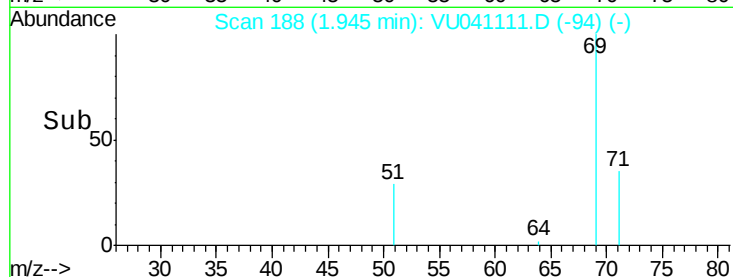
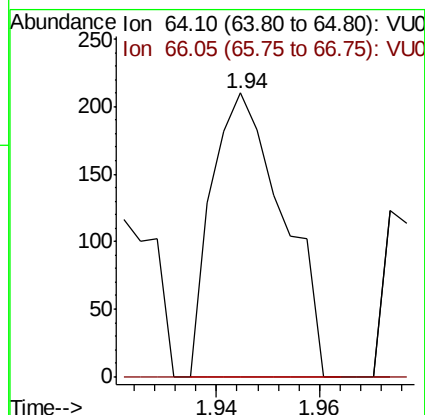
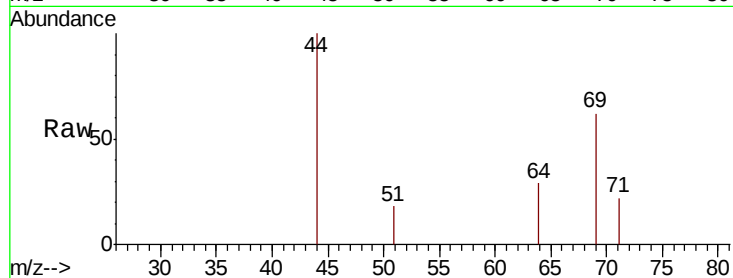
ClientSampleId :

Tot Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



#9

Trichlorofluoromethane

Concen: 12.713 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041111.D

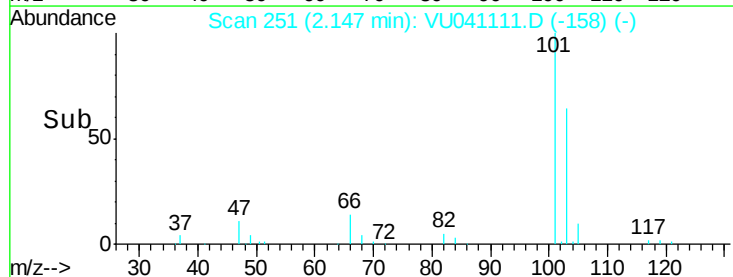
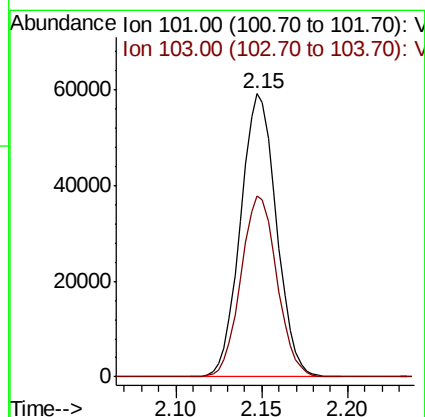
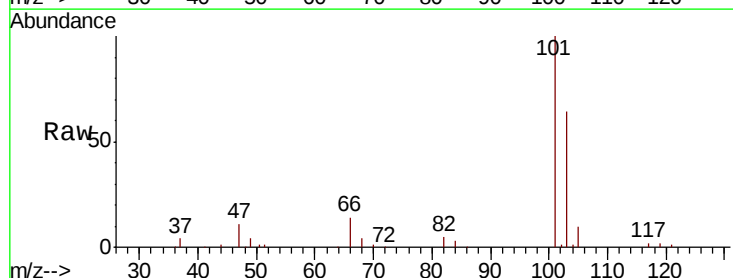
Acq: 05 Nov 2020 17:49

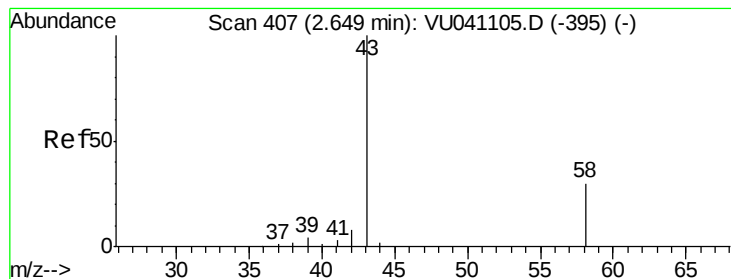
Tgt Ion: 101 Resp: 85579

Ion Ratio Lower Upper

101 100

103 64.3 51.0 76.4





#13

Acetone

Concen: 2.440 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU041111.D

Acq: 05 Nov 2020 17:49

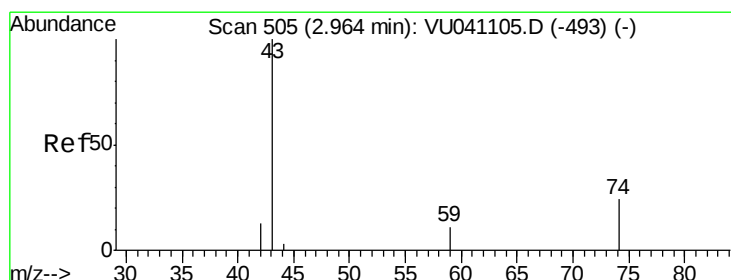
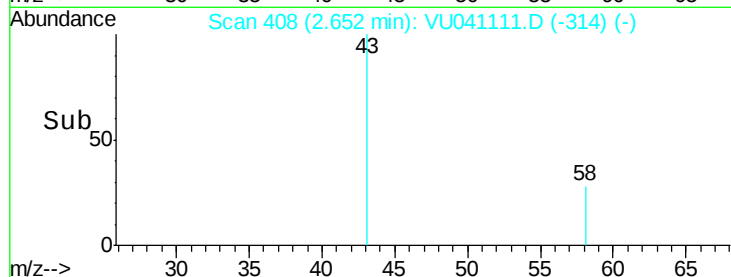
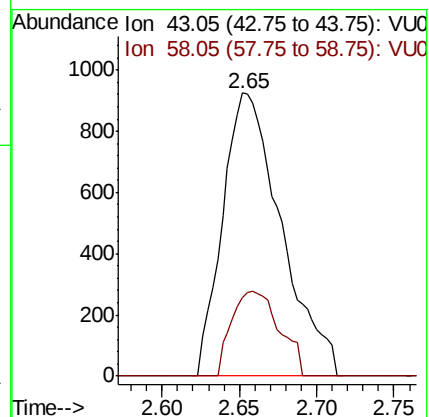
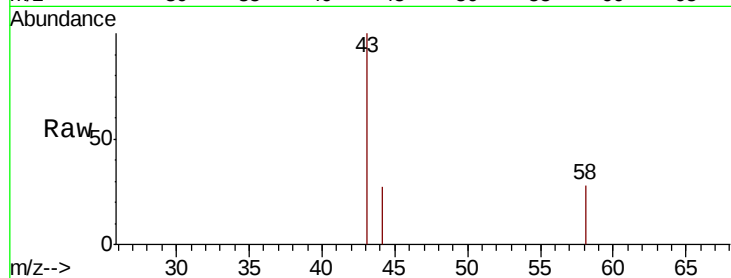
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2434

Ion Ratio Lower Upper

43 100

58 24.5 0.0 25.4



#15

Methyl Acetate

Concen: 0.360 ug/L

RT: 2.95 min Scan# 502

Delta R.T. -0.01 min

Lab File: VU041111.D

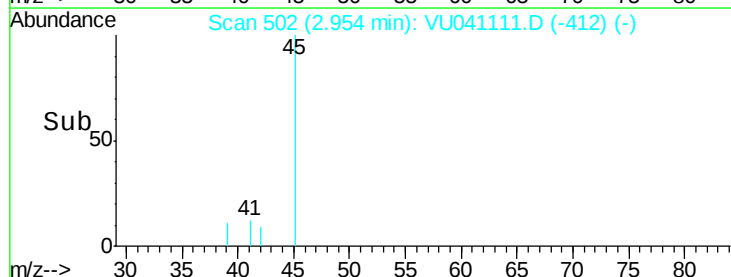
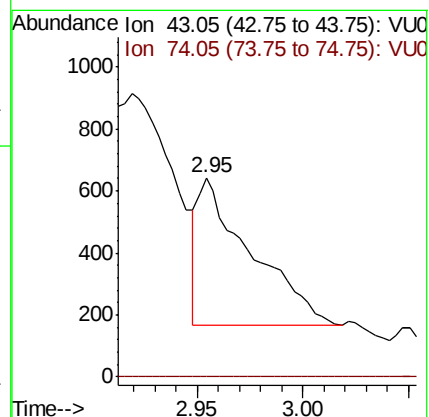
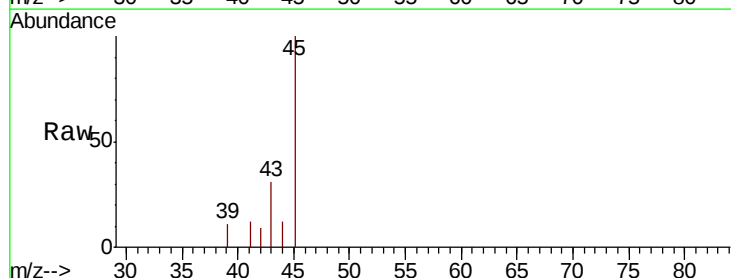
Acq: 05 Nov 2020 17:49

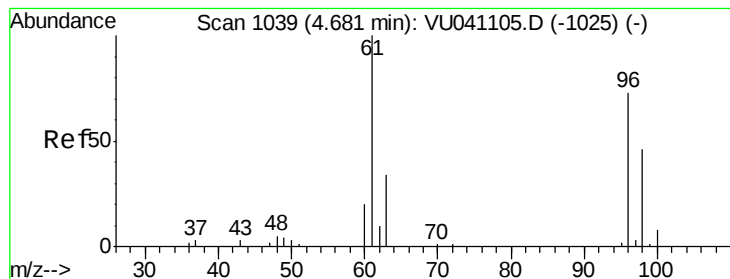
Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#





#22

cis-1,2-Dichloroethene

Concen: 0.504 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041111.D

Acq: 05 Nov 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

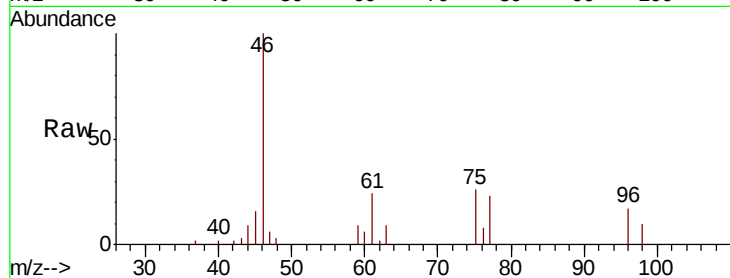
Tot Ion: 96 Resp: 1967

Ion Ratio Lower Upper

96 100

61 140.3 97.2 180.4

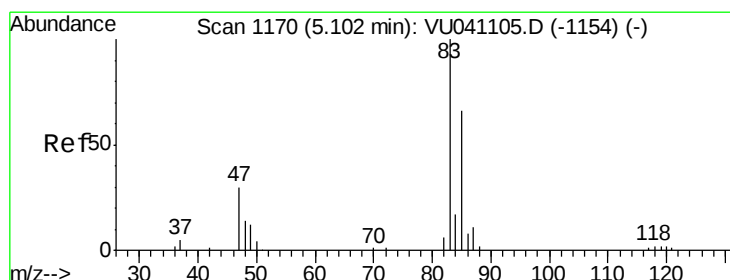
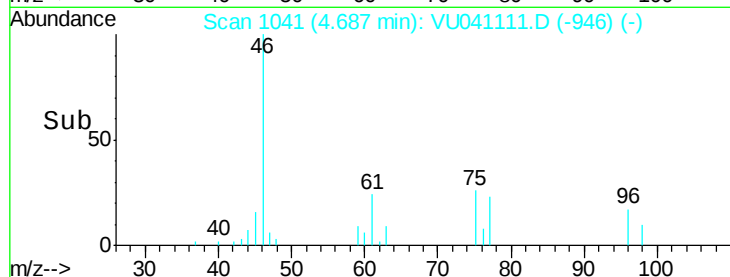
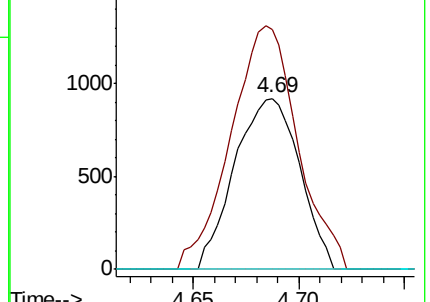
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041111.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041111.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041111.D (-946) (-)



#25

Chloroform

Concen: 0.266 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU041111.D

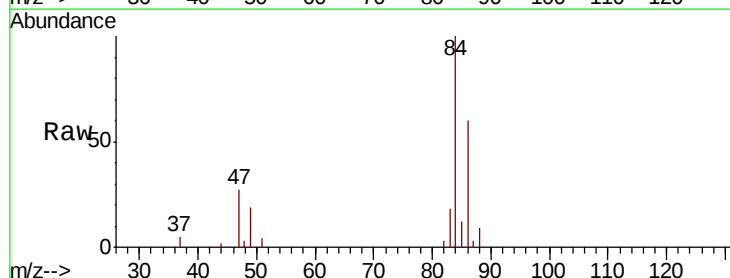
Acq: 05 Nov 2020 17:49

Tgt Ion: 83 Resp: 2015

Ion Ratio Lower Upper

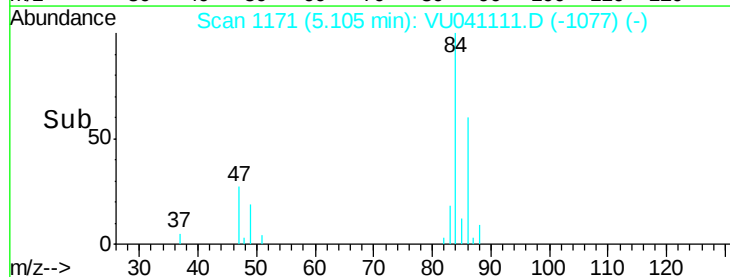
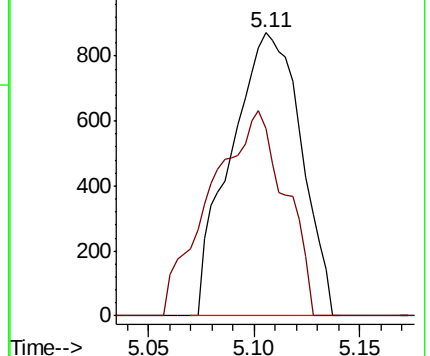
83 100

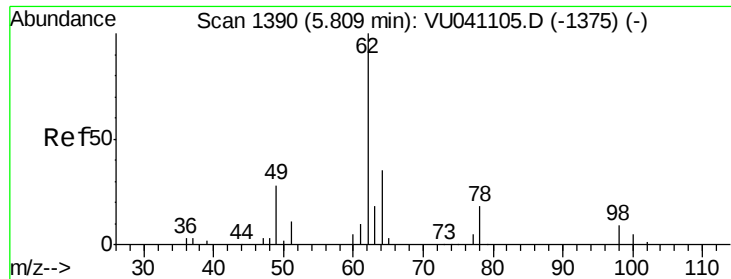
85 66.3 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041111.D (-1077) (-)

Ion 85.00 (84.70 to 85.70): VU041111.D (-1077) (-)

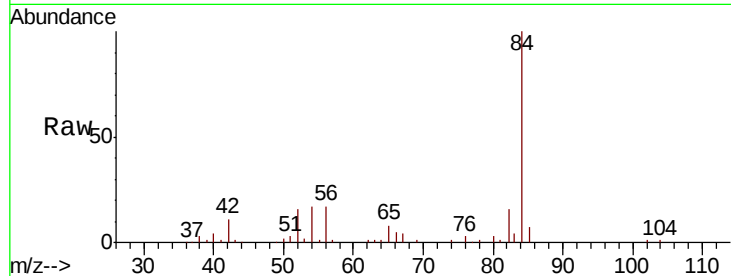




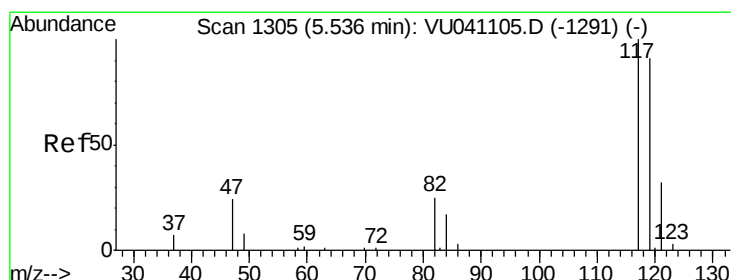
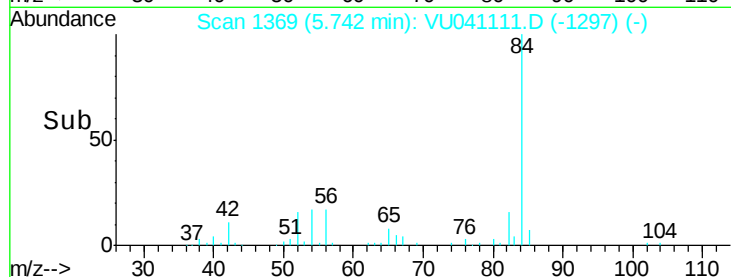
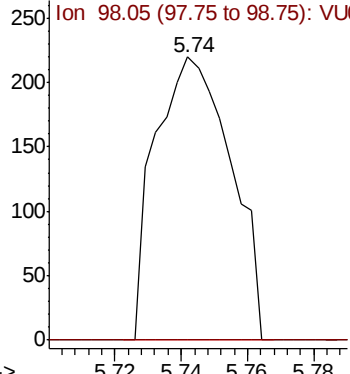
#27
 1,2-Dichloroethane
 Concen: 0.062 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU041111.D
 Acq: 05 Nov 2020 17:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 62 Resp: 349
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#

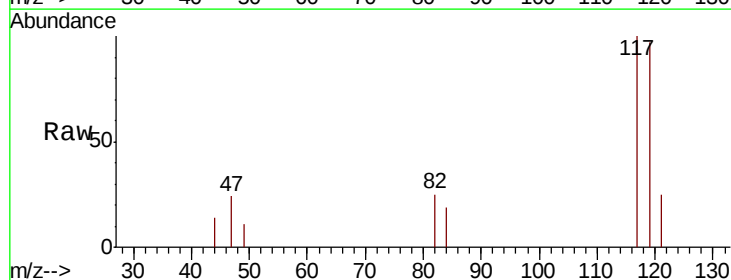


Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.05 (97.75 to 98.75): VU0

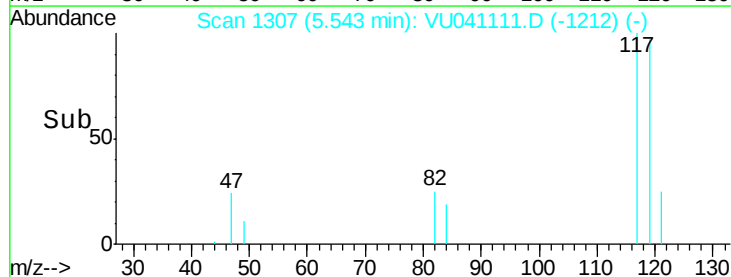
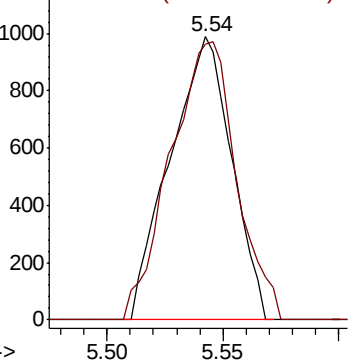


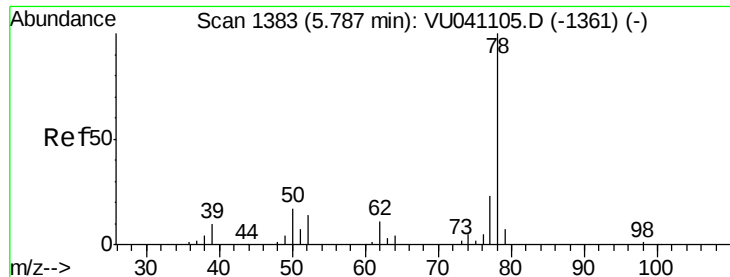
#31
 Carbon tetrachloride
 Concen: 0.304 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: VU041111.D
 Acq: 05 Nov 2020 17:49

Tgt Ion: 117 Resp: 1824
 Ion Ratio Lower Upper
 117 100
 119 105.3 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

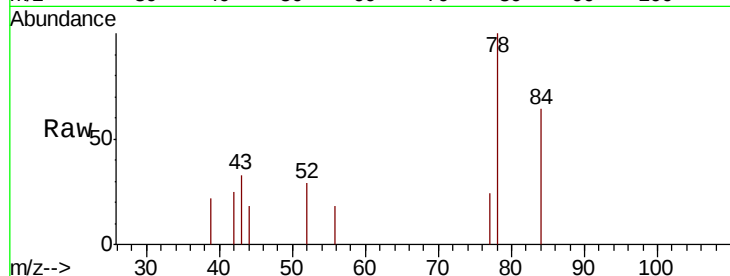




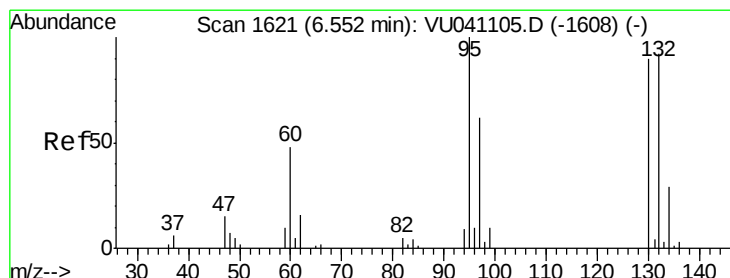
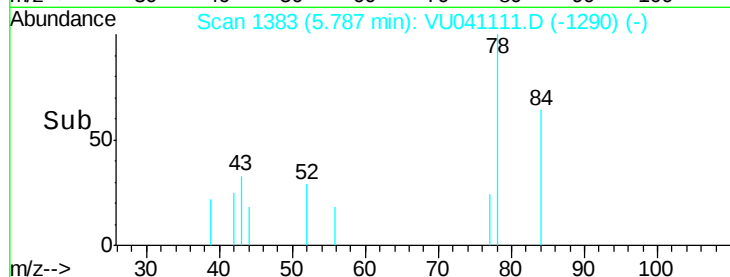
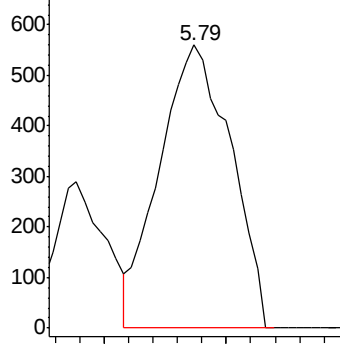
#33
Benzene
Concen: 0.069 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 1136

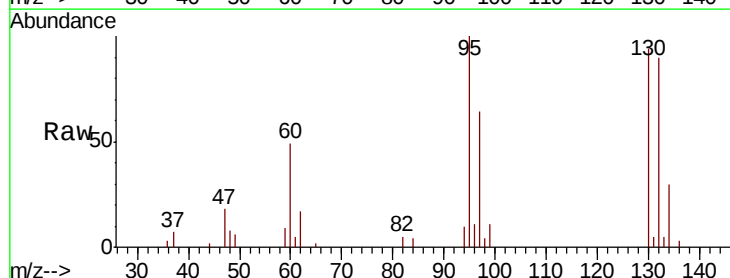


Abundance Ion 78.10 (77.80 to 78.80): VU0



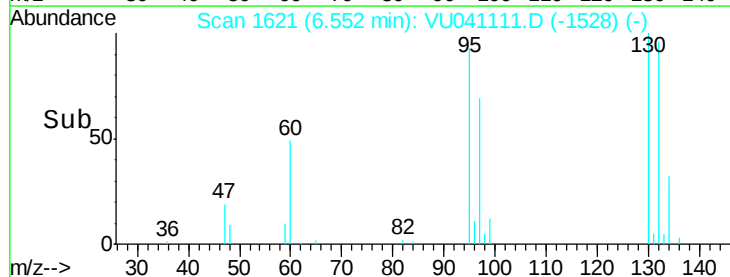
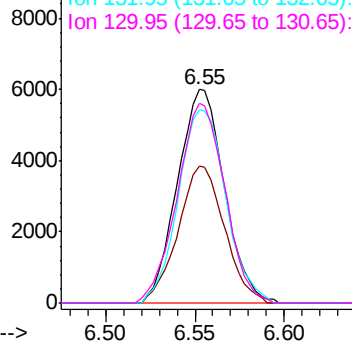
#34
Trichloroethene
Concen: 2.612 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

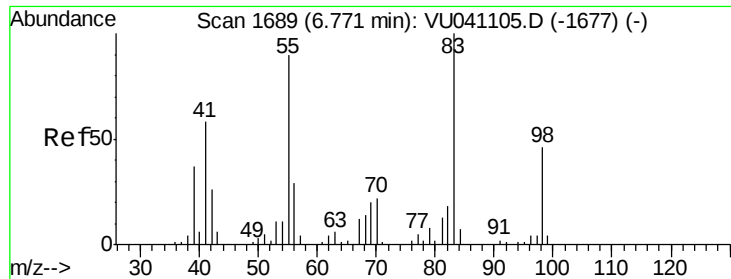
Tgt Ion: 95 Resp: 11021
Ion Ratio Lower Upper
95 100
97 64.4 45.6 84.6
132 90.4 64.8 120.4
130 93.8 64.8 120.4



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

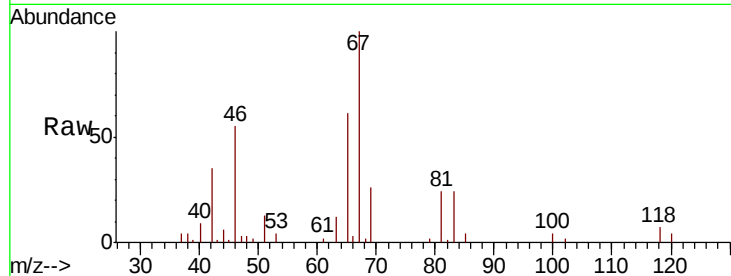




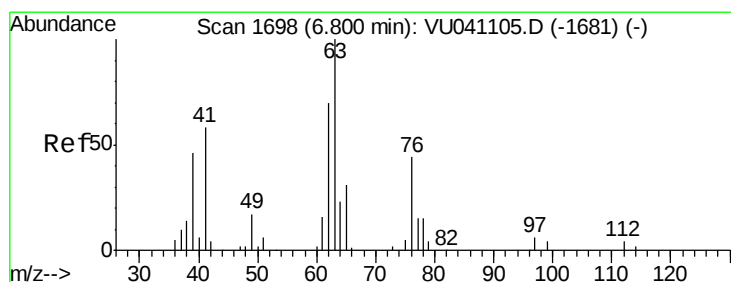
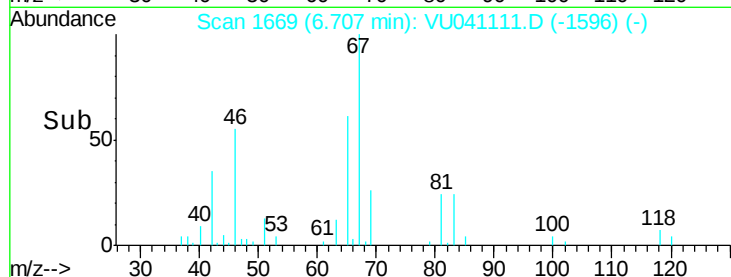
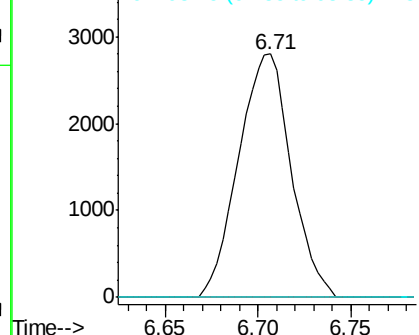
#35
Methvlcvclohexane
Concen: 0.878 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.06 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 5526
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 7.9 36.6 55.0#

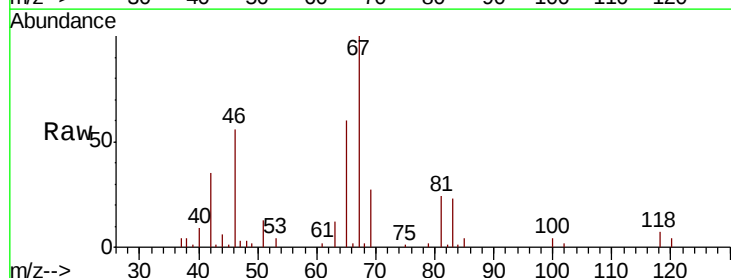


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

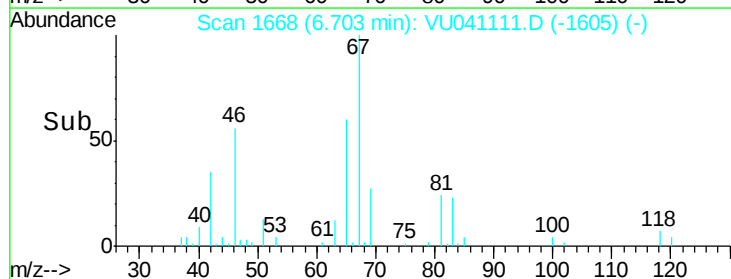
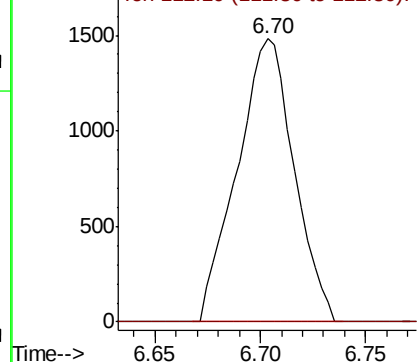


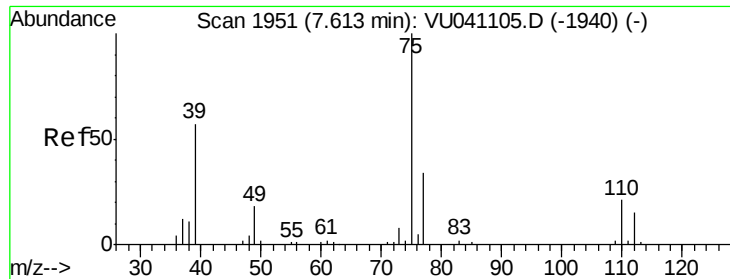
#37
1,2-Dichloropropane
Concen: 0.621 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

Tgt Ion: 63 Resp: 2784
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

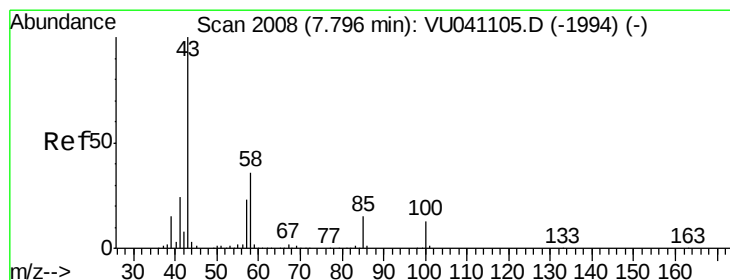
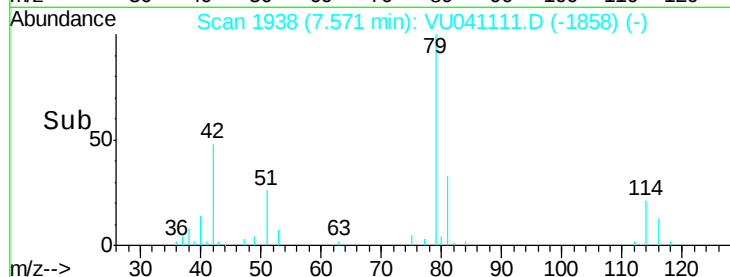
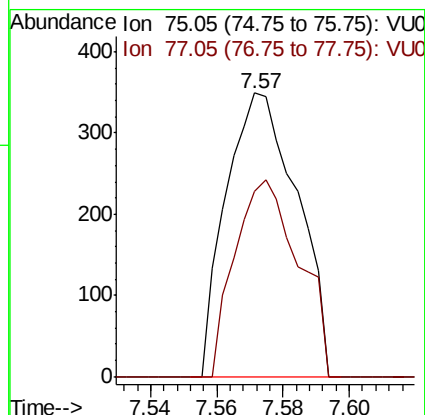
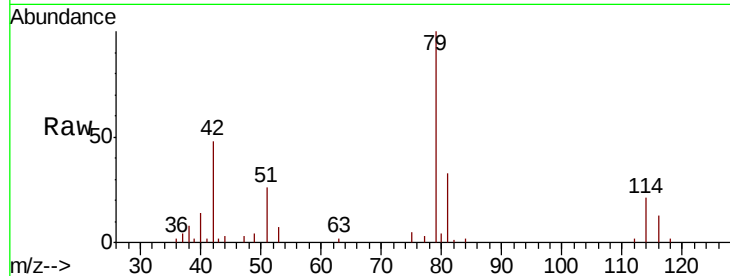




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041111.D
 Acq: 05 Nov 2020 17:49

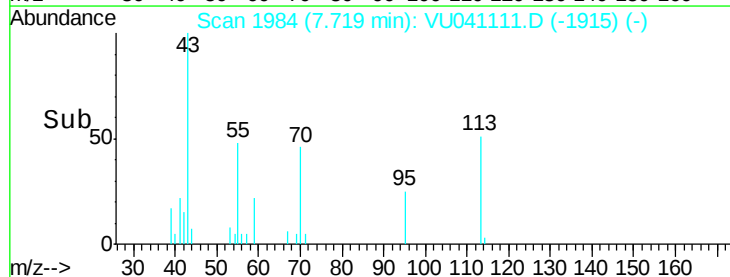
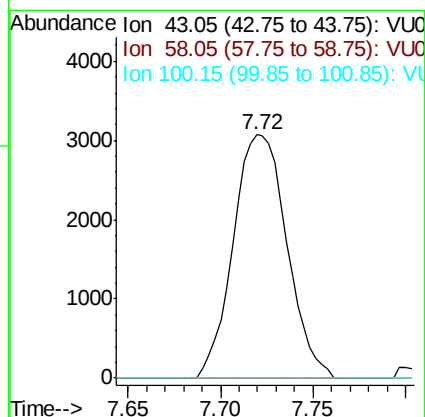
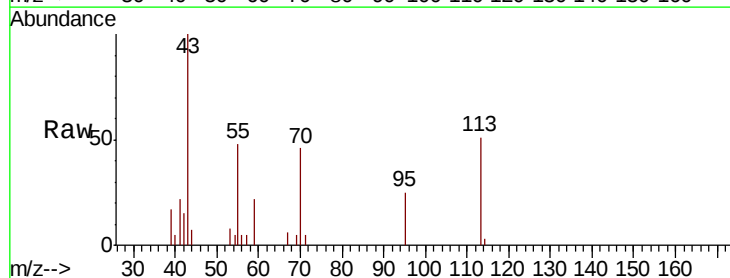
Instrument :
 MSVOA_U
 ClientSampleId :

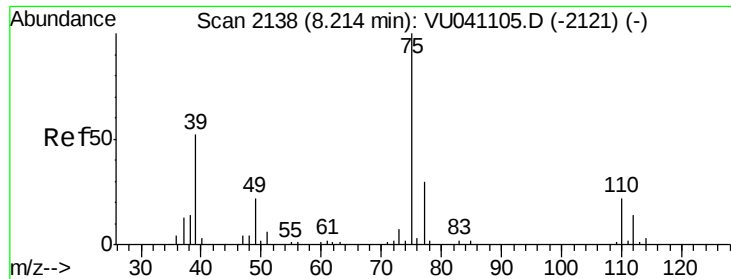
Tot Ion: 75 Resp: 520
 Ion Ratio Lower Upper
 75 100
 77 65.3 22.7 42.3#



#40
 4-Methyl-2-pentanone
 Concen: 1.721 ug/L
 RT: 7.72 min Scan# 1984
 Delta R.T. -0.08 min
 Lab File: VU041111.D
 Acq: 05 Nov 2020 17:49

Tgt Ion: 43 Resp: 6157
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.6#
 100 0.0 10.5 15.7#

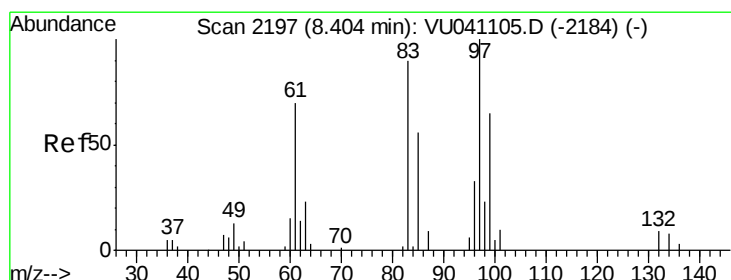
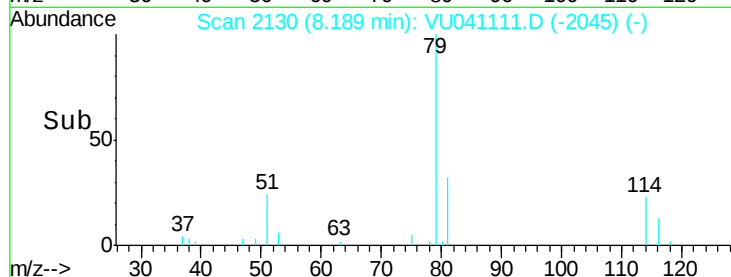
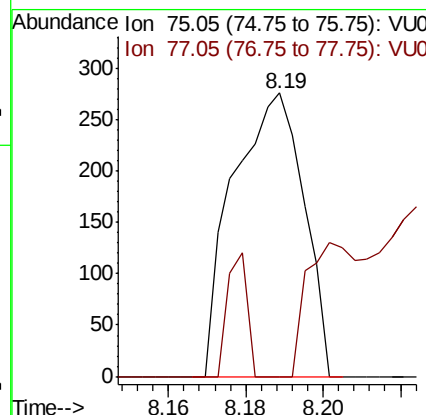
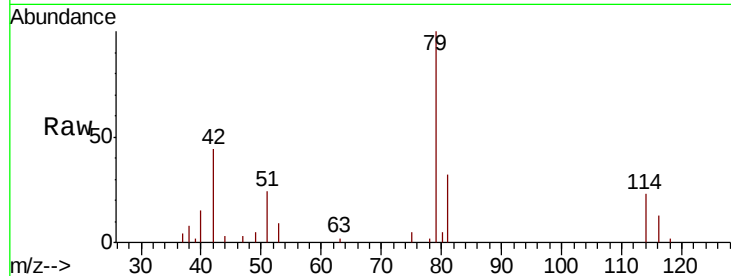




#44
trans-1,3-Dichloropropene
Concen: 0.061 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

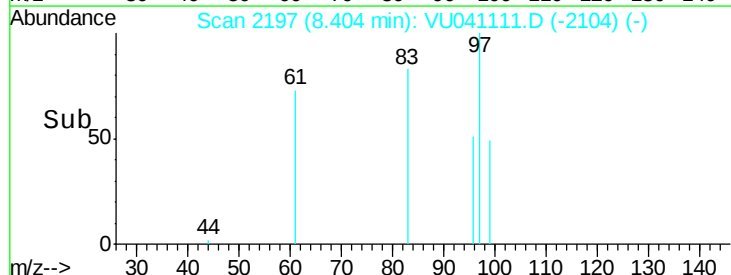
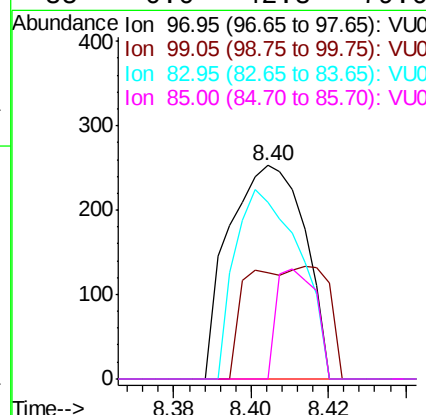
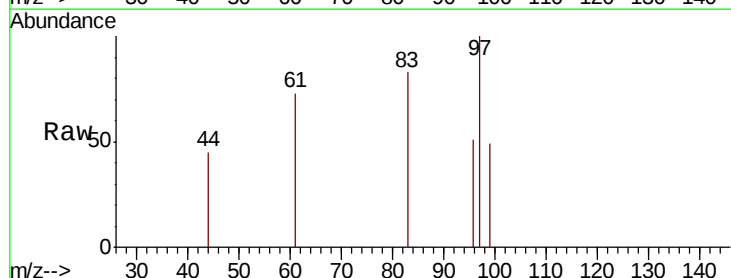
Instrument :
MSVOA_U
ClientSampled :

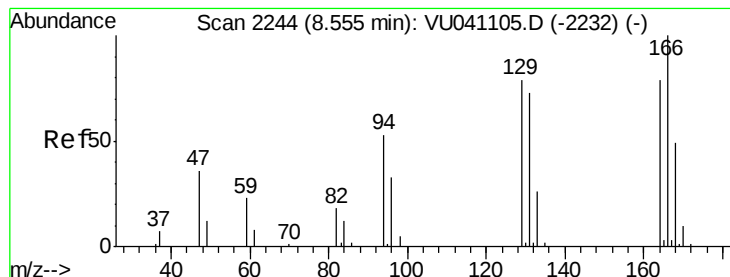
Tot Ion: 75 Resp: 350
Ion Ratio Lower Upper
75 100
77 0.0 23.3 43.3#



#45
1,1,2-Trichloroethane
Concen: 0.103 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041111.D
Acq: 05 Nov 2020 17:49

Tgt Ion: 97 Resp: 345
Ion Ratio Lower Upper
97 100
99 49.4 45.8 85.2
83 82.6 67.9 126.1
85 0.0 42.8 79.6#





#47

Tetrachloroethene

Concen: 45.335 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041111.D

Acq: 05 Nov 2020 17:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 140664

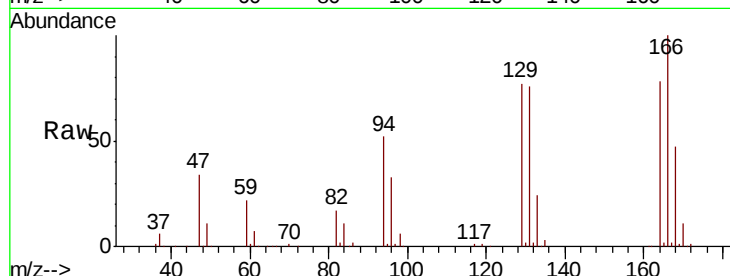
Ion Ratio Lower Upper

164 100

129 98.4 70.3 130.7

131 97.6 70.8 131.4

166 128.1 92.0 170.8

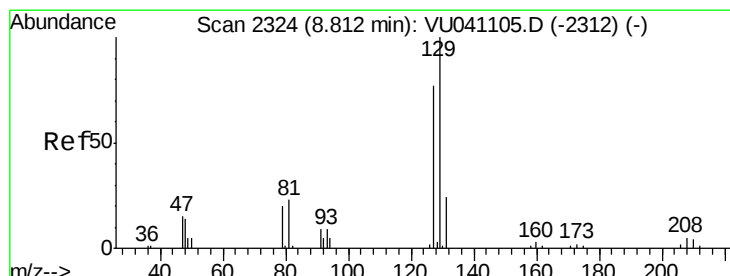
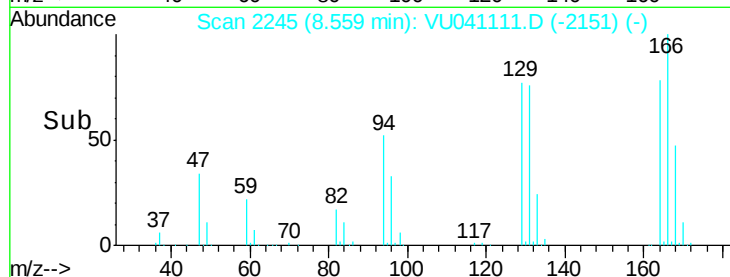
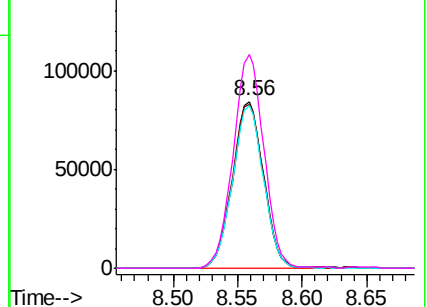


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 35.830 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041111.D

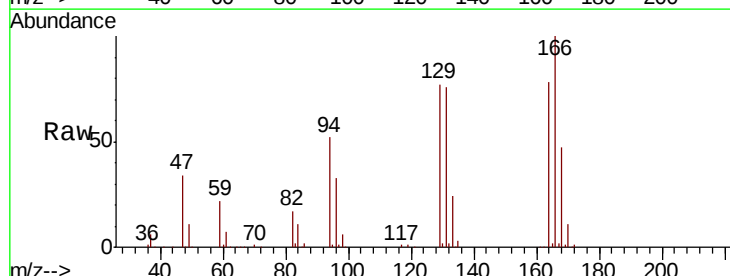
Acq: 05 Nov 2020 17:49

Tgt Ion:129 Resp: 138971

Ion Ratio Lower Upper

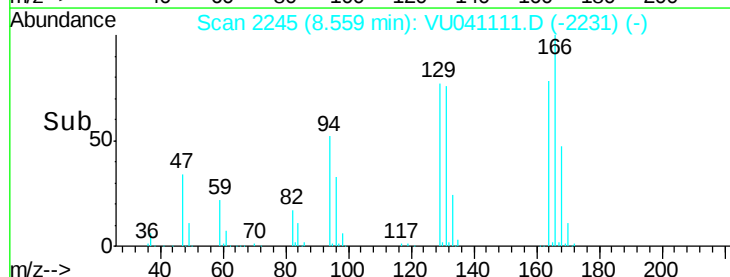
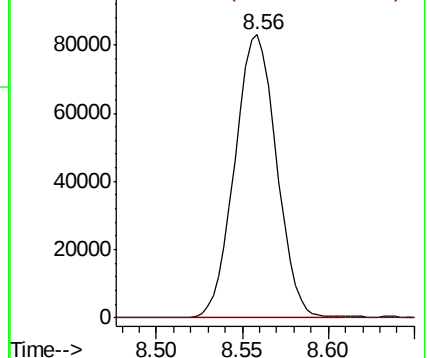
129 100

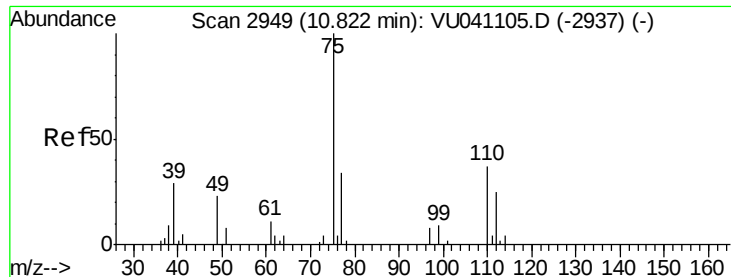
127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.019 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041111.D

Acq: 05 Nov 2020 17:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3407

Ion Ratio Lower Upper

75 100

77 30.1 25.7 38.5

