

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121420\
 Data File : VU041623.D
 Acq On : 14 Dec 2020 20:12
 Operator : SY/MD
 Sample : L5027-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 15 00:50:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 15 00:46:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	114320	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29161	3.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.20%
7) Chloroethane-d5	1.92	69	29520	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.58	63	50232	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.65	46	143223	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	5.08	84	77024	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.72	65	45496	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	150008	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	49716	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.91	98	128258	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	8.19	79	19015	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	120375	48.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48891	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	50601	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

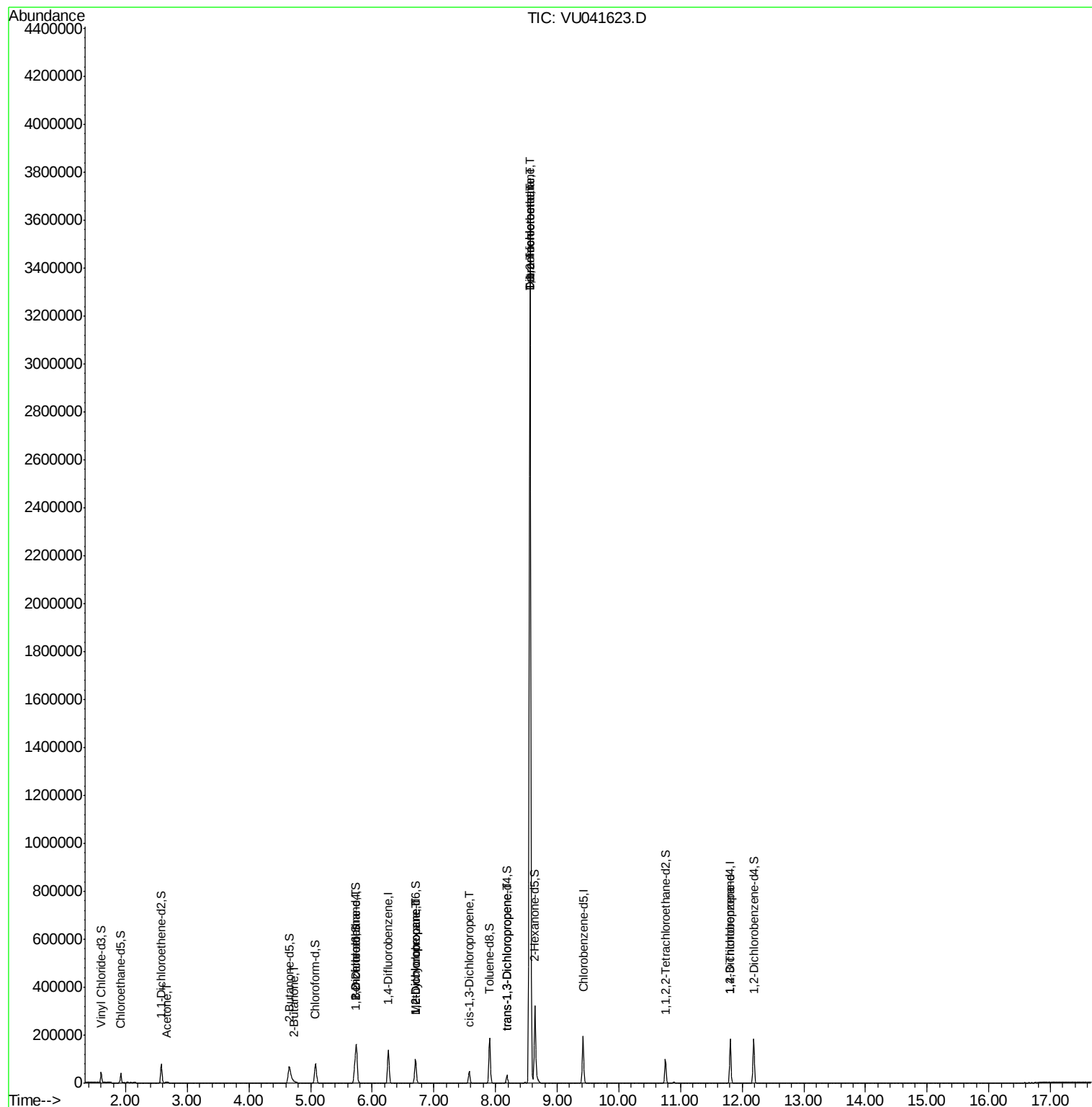
					Ovalue
13) Acetone	2.67	43	7462	4.570	ug/L 89
21) 2-Butanone	4.74	43	4800	1.805	ug/L 98
27) 1,2-Dichloroethane	5.74	62	789	0.077	ug/L # 73
35) Methylcyclohexane	6.70	83	12030	0.822	ug/L # 19
37) 1,2-Dichloropropane	6.70	63	5135	0.557	ug/L # 88
39) cis-1,3-Dichloropropene	7.58	75	1095	0.080	ug/L # 75
44) trans-1,3-Dichloropropene	8.18	75	710	0.058	ug/L # 78
45) 1,1,2-Trichloroethane	8.56	97	6819	1.000	ug/L # 1
47) Tetrachloroethene	8.56	164	814813	128.515	ug/L 98
49) Dibromochloromethane	8.56	129	791232	101.035	ug/L # 10
59) 1,2,3-Trichloropropane	11.81	75	6009	0.868	ug/L 100

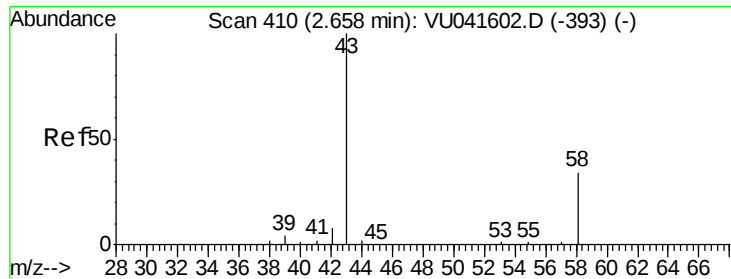
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 15 00:46:25 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.570 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

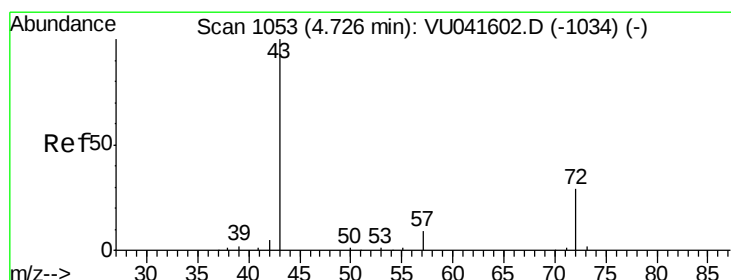
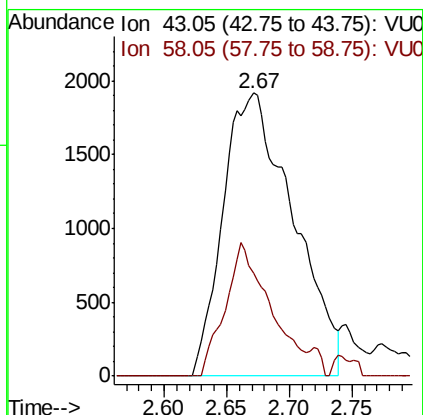
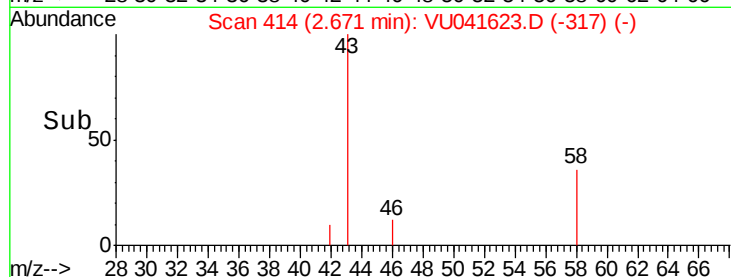
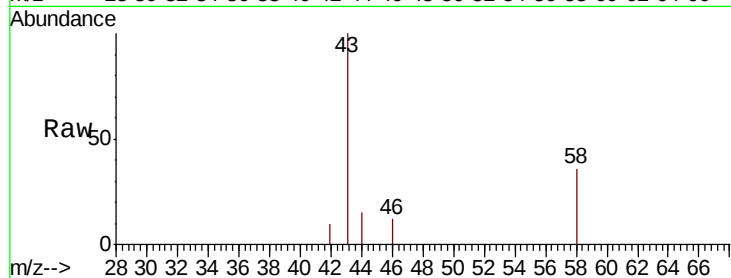
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7462

Ion Ratio Lower Upper

43 100

58 30.1 0.0 73.2



#21

2-Butanone

Concen: 1.805 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.02 min

Lab File: VU041623.D

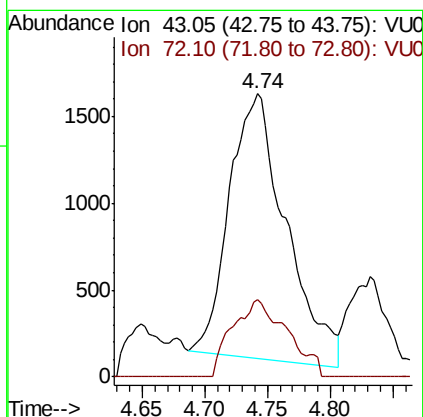
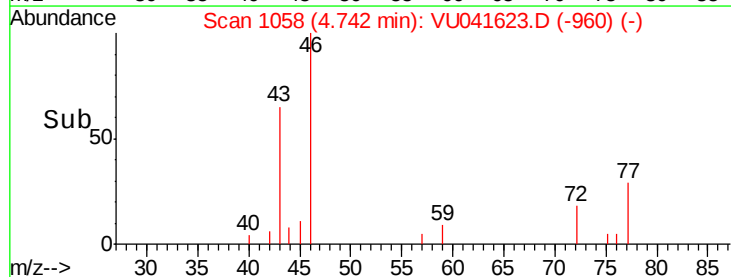
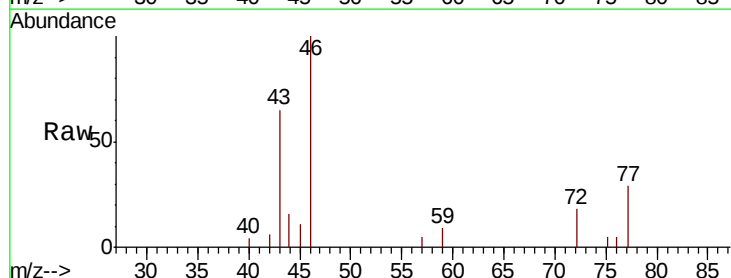
Acq: 14 Dec 2020 20:12

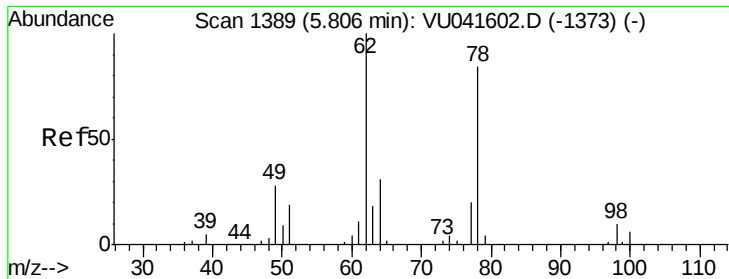
Tgt Ion: 43 Resp: 4800

Ion Ratio Lower Upper

43 100

72 28.2 14.6 44.0

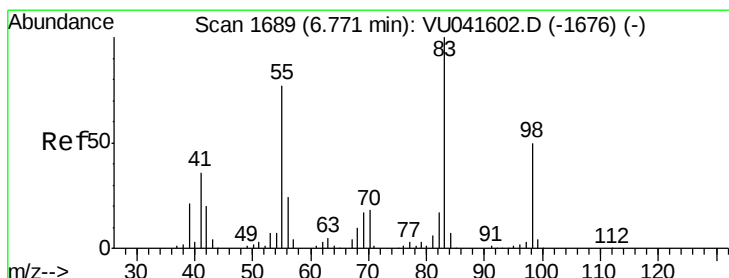
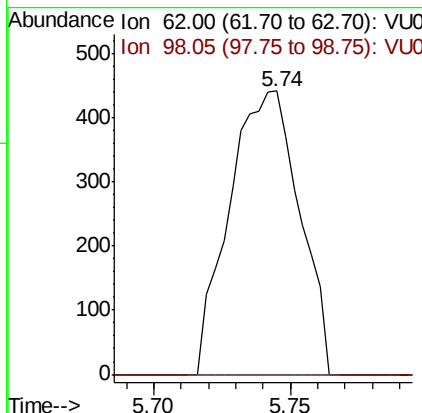
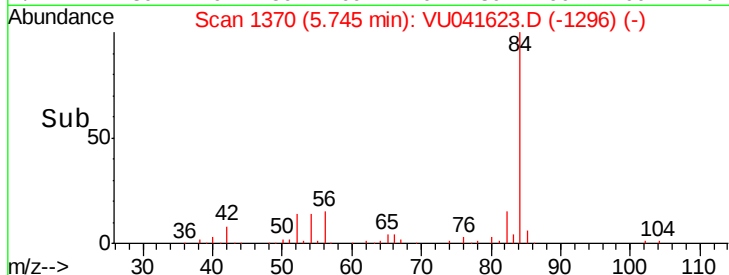
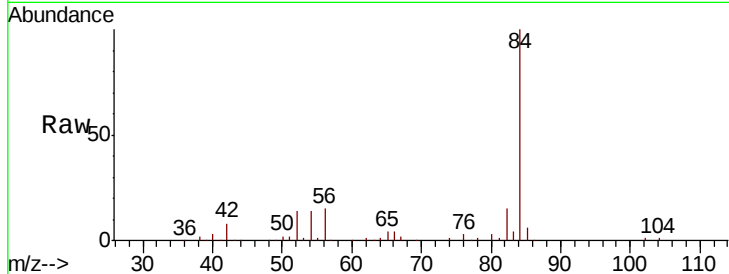




#27
 1,2-Dichloroethane
 Concen: 0.077 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041623.D
 Acq: 14 Dec 2020 20:12

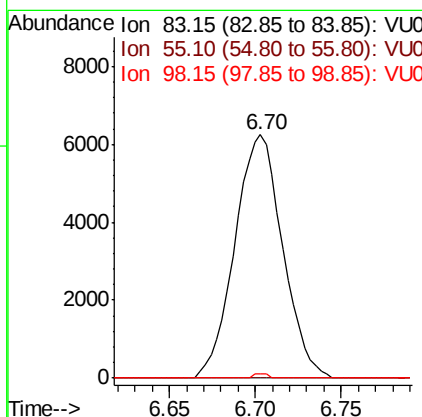
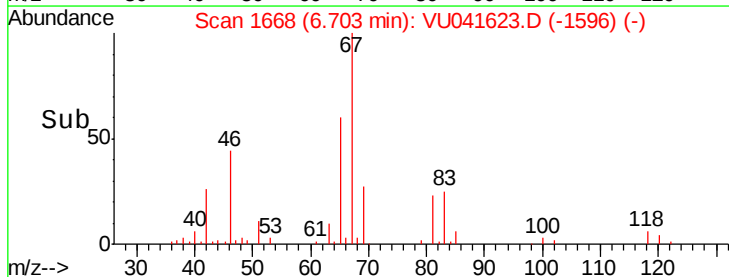
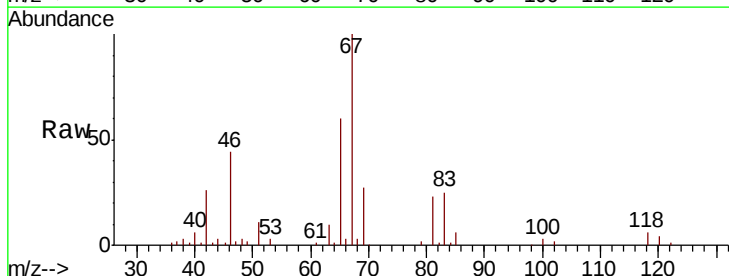
Instrument :
 MSVOA_U
 ClientSampleId :

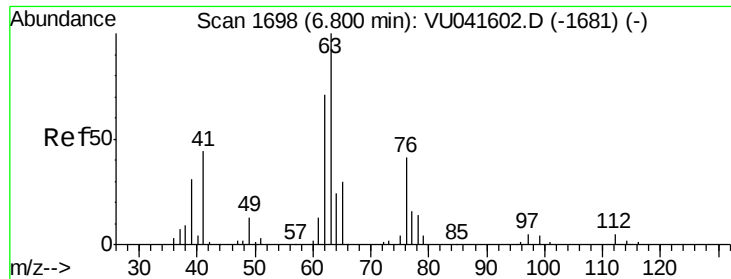
Tot Ion: 62 Resp: 789
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#35
 Methylcyclohexane
 Concen: 0.822 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041623.D
 Acq: 14 Dec 2020 20:12

Tgt Ion: 83 Resp: 12030
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 98 0.5 36.6 54.8#

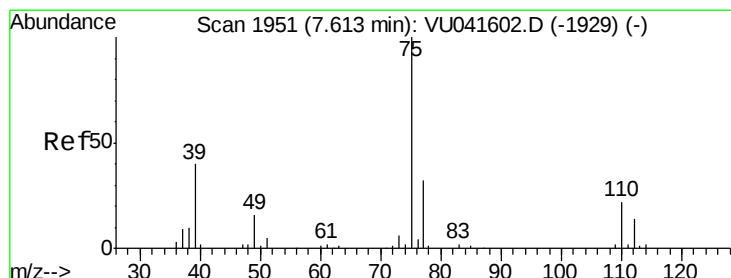
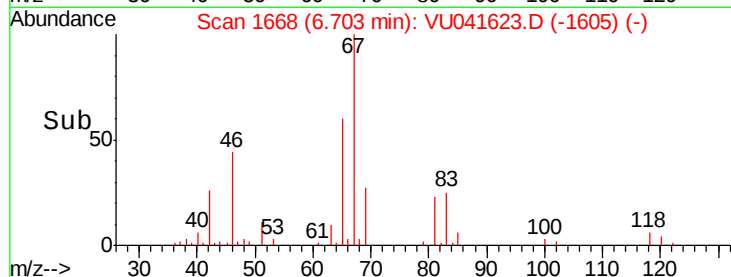
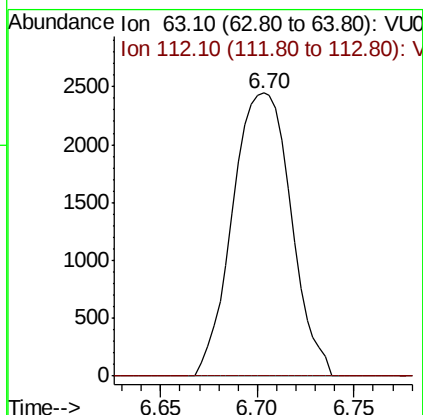
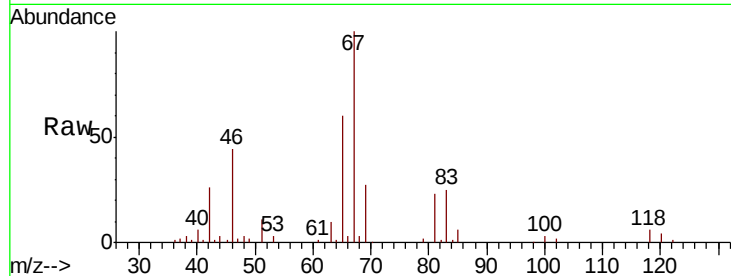




#37
 1,2-Dichloropropane
 Concen: 0.557 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041623.D
 Acq: 14 Dec 2020 20:12

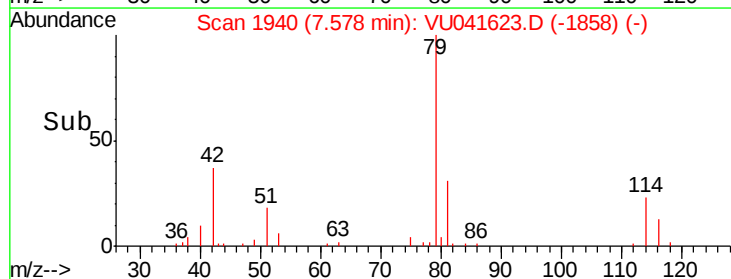
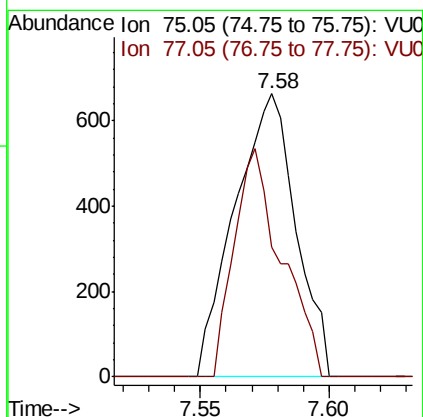
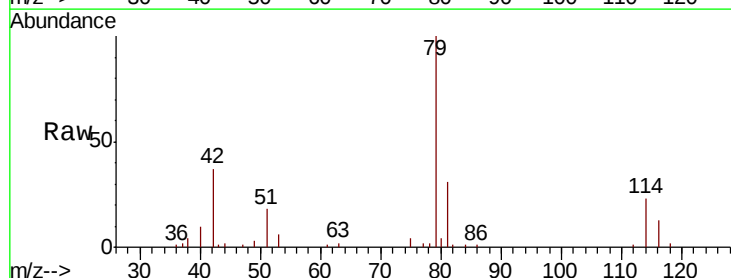
Instrument :
 MSVOA_U
 ClientSampled :

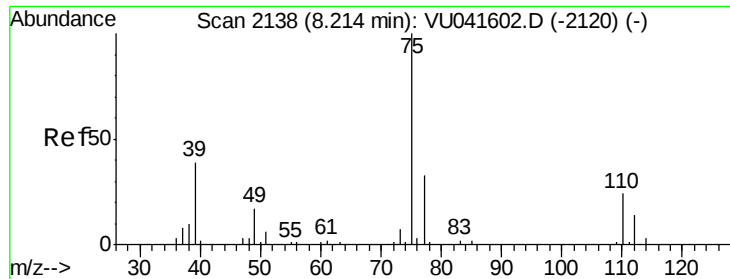
Tot Ion: 63 Resp: 5135
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041623.D
 Acq: 14 Dec 2020 20:12

Tgt Ion: 75 Resp: 1095
 Ion Ratio Lower Upper
 75 100
 77 45.7 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA_U

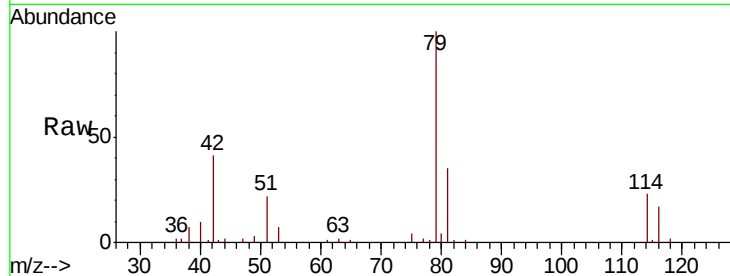
ClientSampleId :

Tot Ion: 75 Resp: 710

Ion Ratio Lower Upper

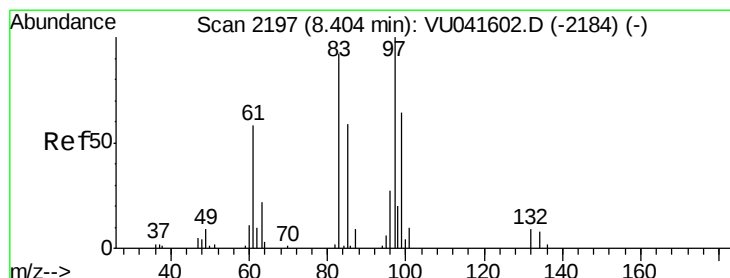
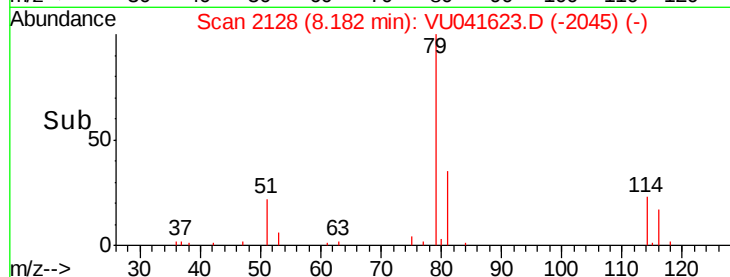
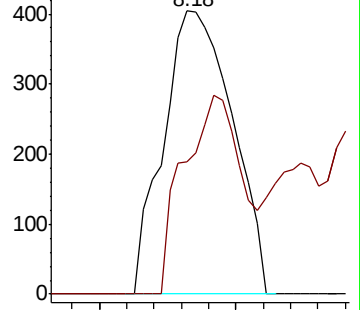
75 100

77 46.8 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#45

1,1,2-Trichloroethane

Concen: 1.000 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Tgt Ion: 97 Resp: 6819

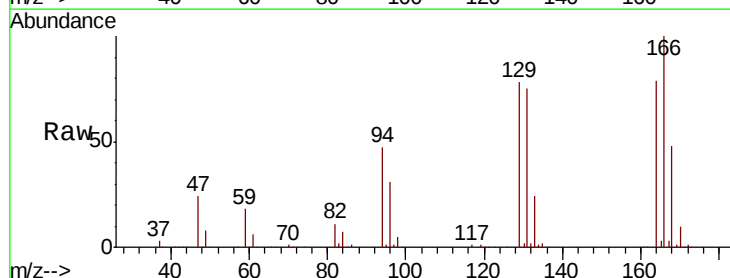
Ion Ratio Lower Upper

97 100

99 16.2 42.1 78.3#

83 277.8 62.6 116.2#

85 40.1 39.1 72.7

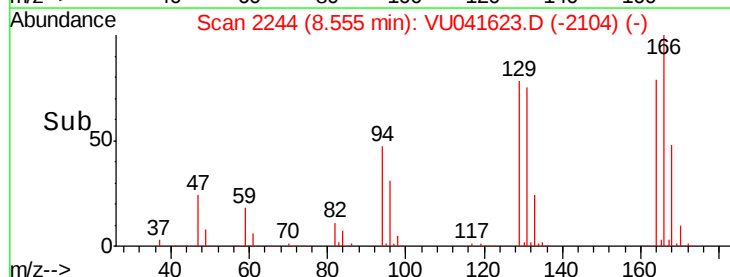
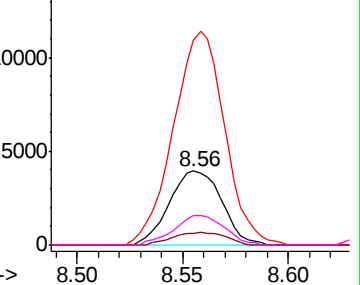


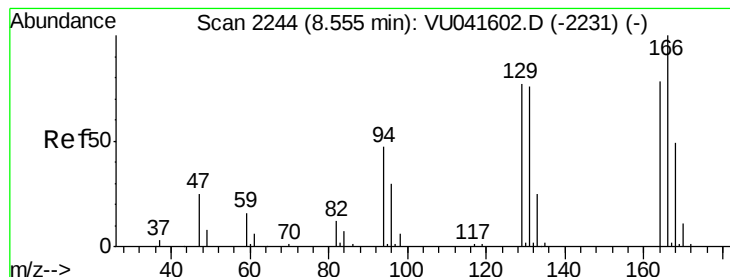
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 128.515 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 814813

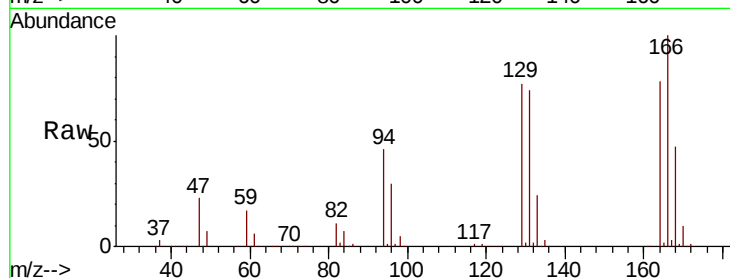
Ion Ratio Lower Upper

164 100

129 98.0 72.2 134.0

131 93.8 66.9 124.3

166 127.5 89.6 166.4

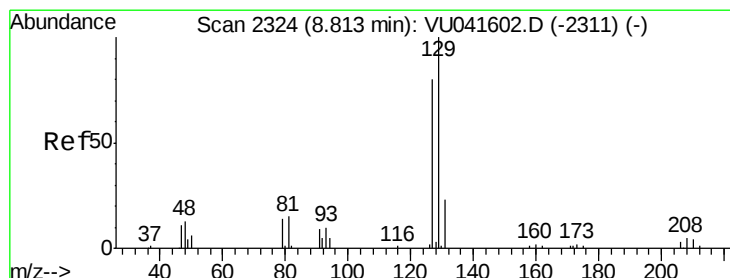
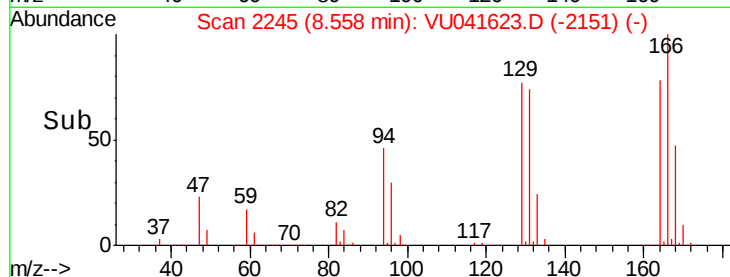
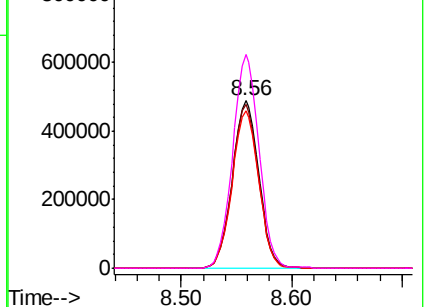


Abundance Ion 163.90 (163.60 to 164.60): V

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: 101.035 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041623.D

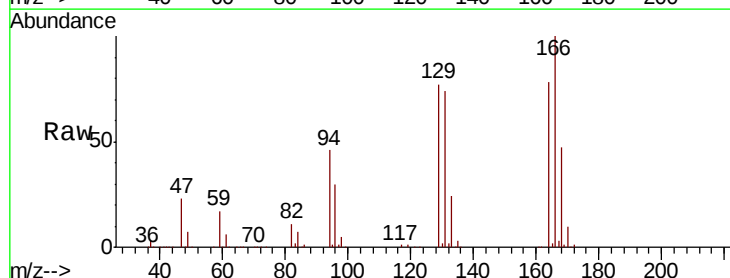
Acq: 14 Dec 2020 20:12

Tgt Ion:129 Resp: 791232

Ion Ratio Lower Upper

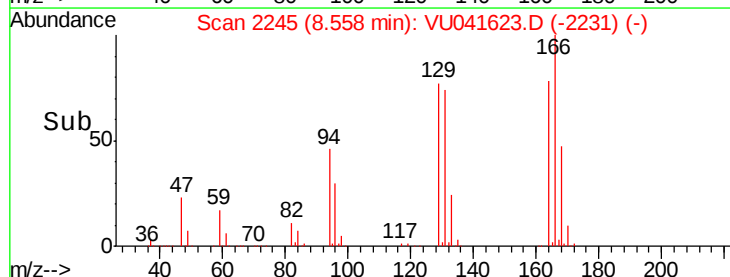
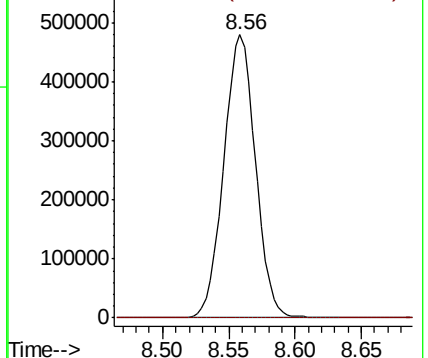
129 100

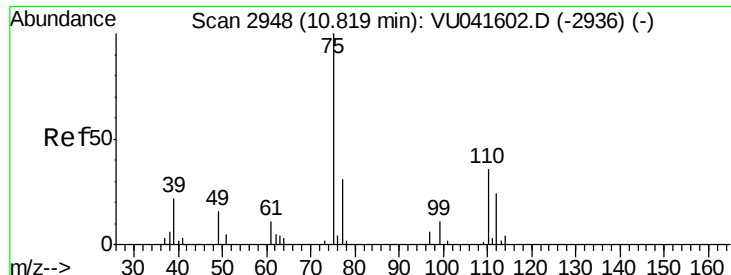
127 0.0 54.7 101.7#



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: 0.868 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041623.D

Acq: 14 Dec 2020 20:12

Instrument :

MSVOA_U

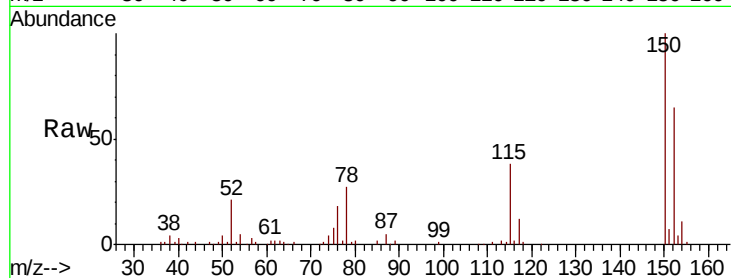
ClientSampleId :

Tot Ion: 75 Resp: 6009

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

