

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040751.D
 Acq On : 16 Oct 2020 16:42
 Operator : SY/MD
 Sample : L4419-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ5

Quant Time: Oct 17 01:11:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110514	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116354	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45662	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37233	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.92	69	36499	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.58	63	77353	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	4.66	46	158466	54.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.16%
24) Chloroform-d	5.08	84	84721	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.72	65	52889	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.75	84	150846	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	54660	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.91	98	118938	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	18169	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.64	63	103395	45.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	45690	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	47974	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

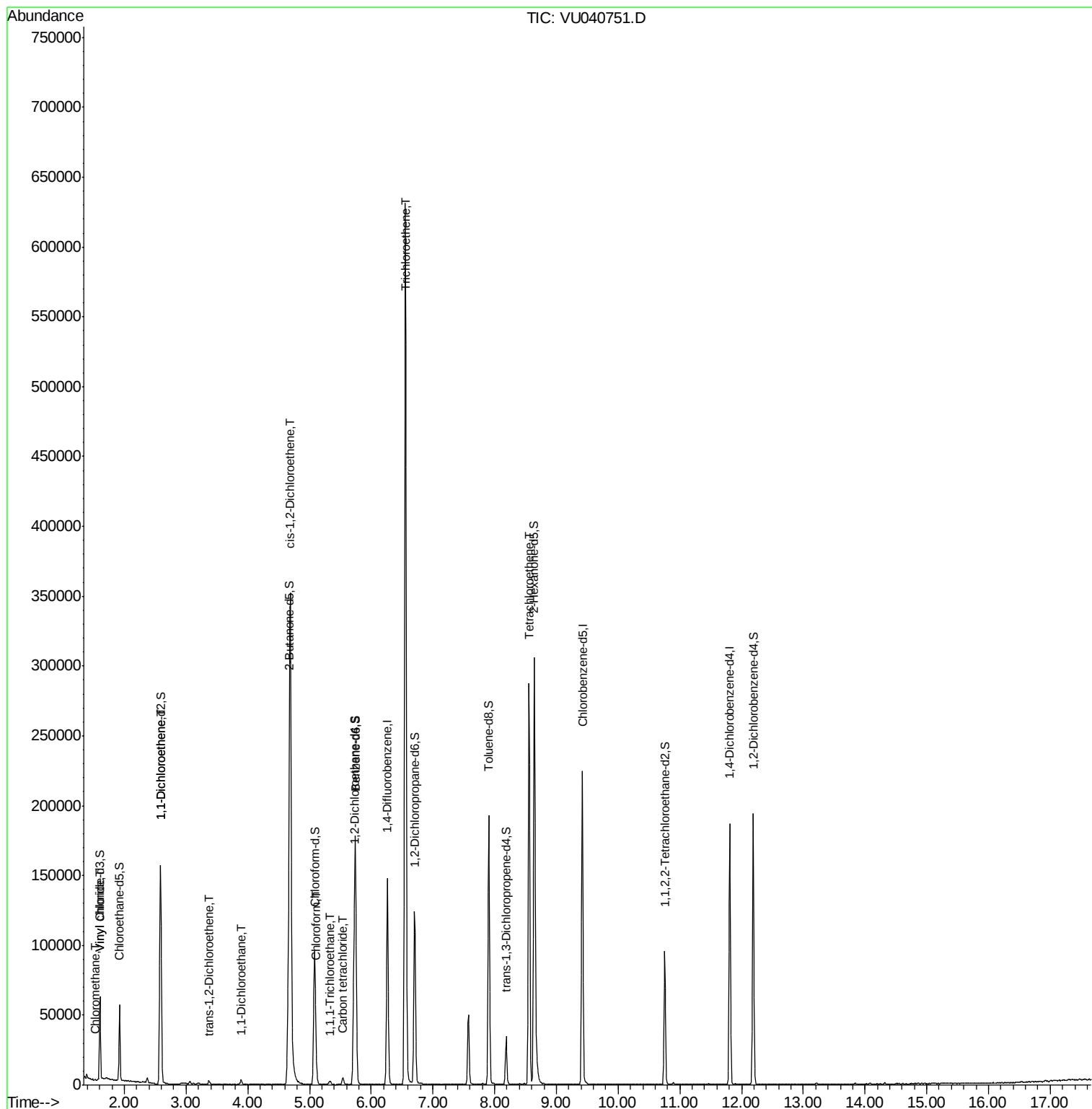
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	690	0.074	ug/L #	57
5) Vinyl chloride	1.61	62	2286	0.232	ug/L #	23
12) 1,1-Dichloroethene	2.59	96	29663	3.762	ug/L	92
18) trans-1,2-Dichloroethene	3.37	96	1168	0.142	ug/L	94
19) 1,1-Dichloroethane	3.89	63	4075	0.239	ug/L	89
22) cis-1,2-Dichloroethene	4.69	96	152062	17.083	ug/L	98
25) Chloroform	5.11	83	7525	0.432	ug/L	94
29) 1,1,1-Trichloroethane	5.33	97	2174	0.139	ug/L	93
31) Carbon tetrachloride	5.54	117	3472	0.259	ug/L	94
34) Trichloroethene	6.56	95	207385	21.403	ug/L	96
47) Tetrachloroethene	8.56	164	60243	8.714	ug/L	97

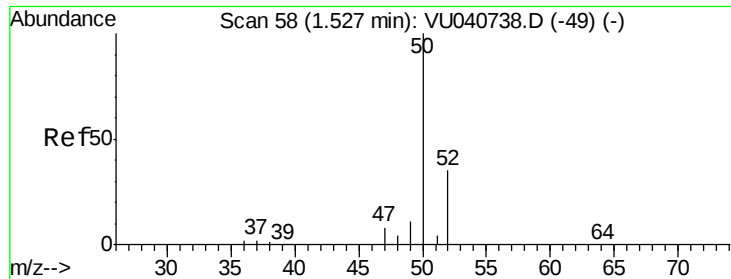
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.074 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

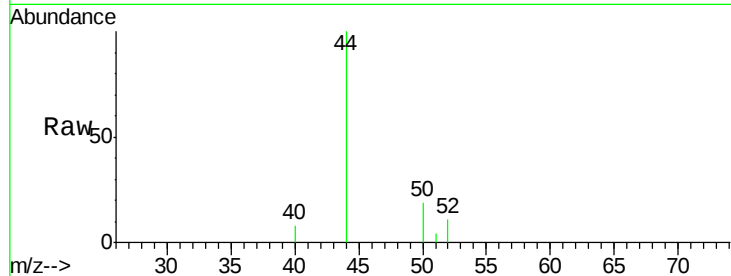
C0AJ5

Tot Ion: 50 Resp: 690

Ion Ratio Lower Upper

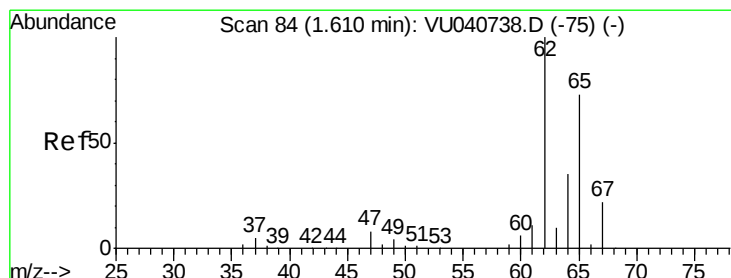
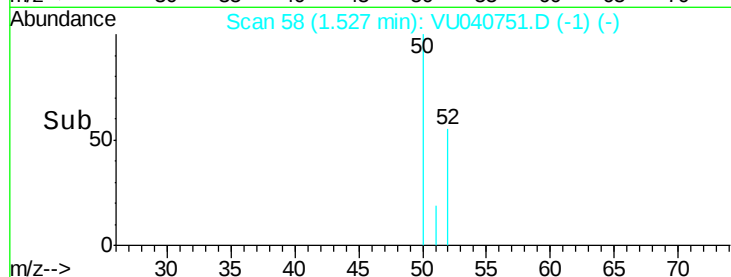
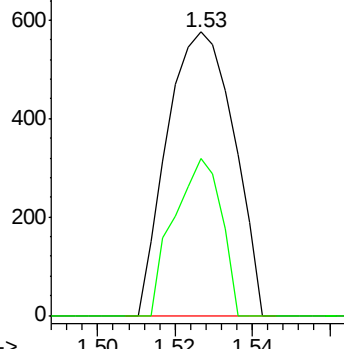
50 100

52 55.2 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.232 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040751.D

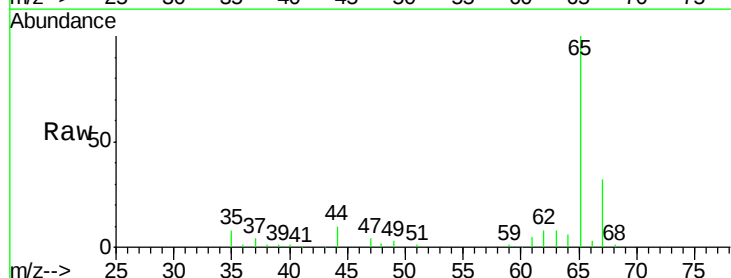
Acq: 16 Oct 2020 16:42

Tgt Ion: 62 Resp: 2286

Ion Ratio Lower Upper

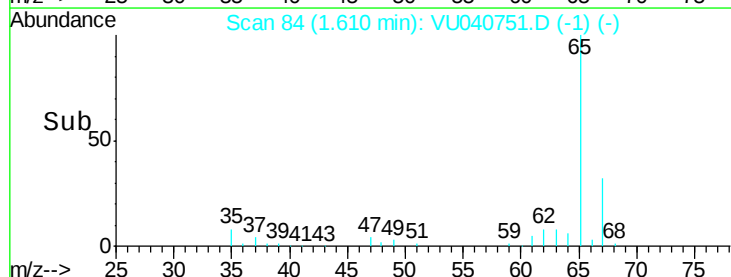
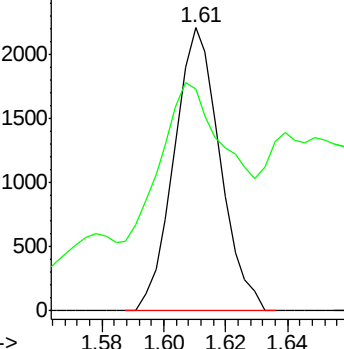
62 100

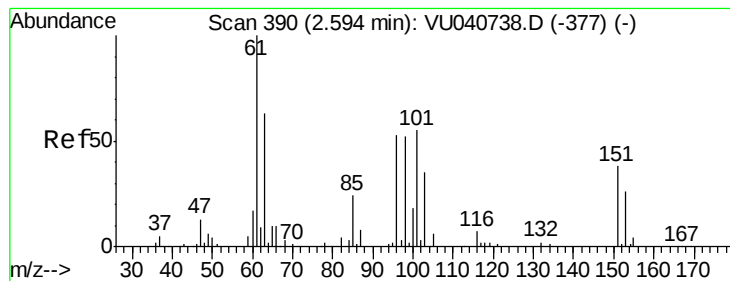
64 78.2 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#12

1,1-Dichloroethene

Concen: 3.762 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AJ5

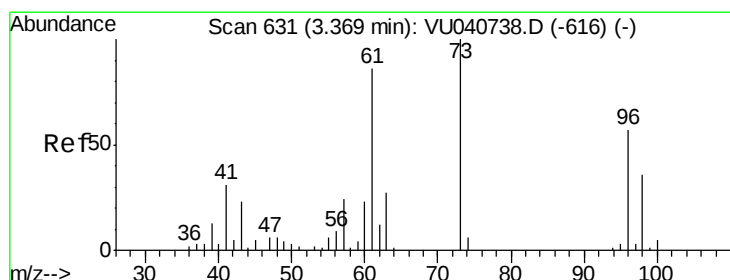
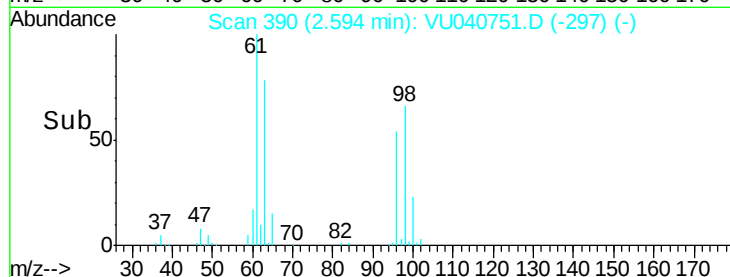
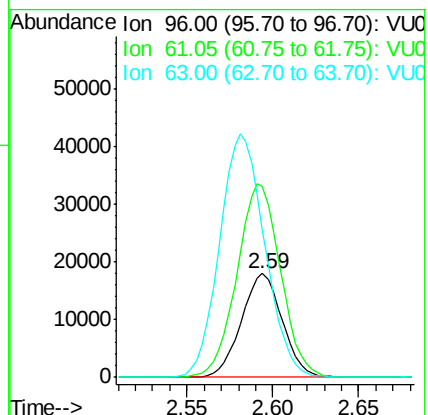
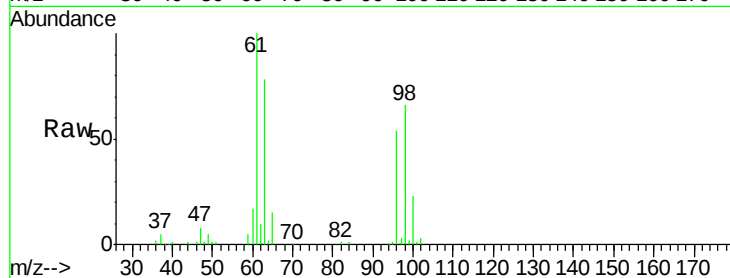
Tot Ion: 96 Resp: 29663

Ion Ratio Lower Upper

96 100

61 184.1 128.8 239.2

63 143.0 84.6 157.2



#18

trans-1,2-Dichloroethene

Concen: 0.142 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

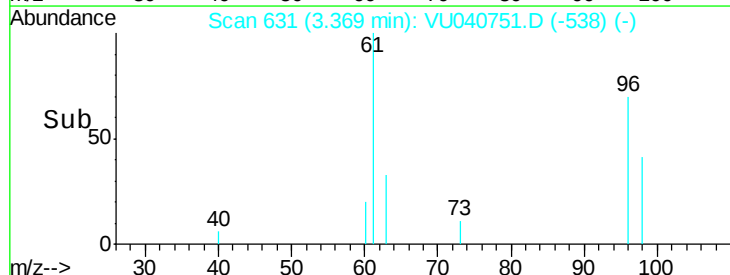
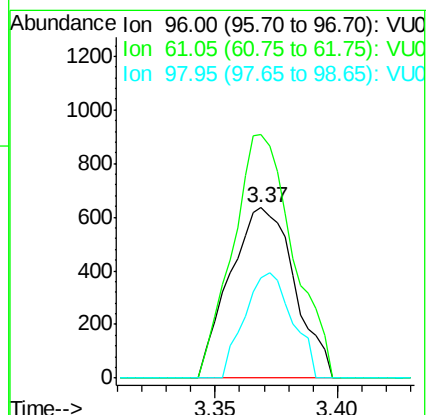
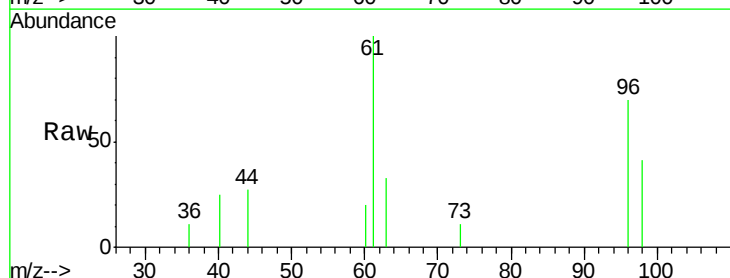
Tgt Ion: 96 Resp: 1168

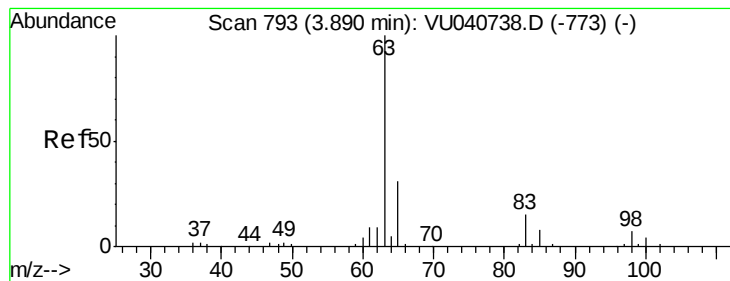
Ion Ratio Lower Upper

96 100

61 142.8 105.9 196.7

98 59.0 43.8 81.3





#19

1,1-Dichloroethane

Concen: 0.239 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

C0AJ5

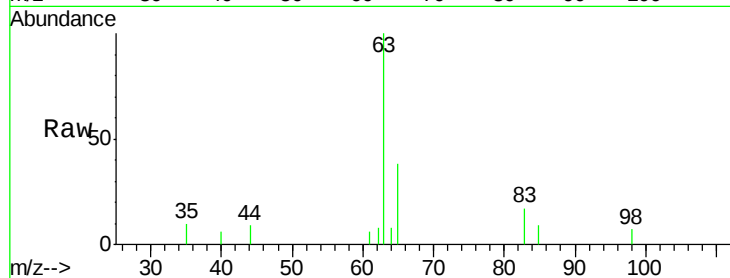
Tot Ion: 63 Resp: 4075

Ion Ratio Lower Upper

63 100

65 38.0 21.9 40.7

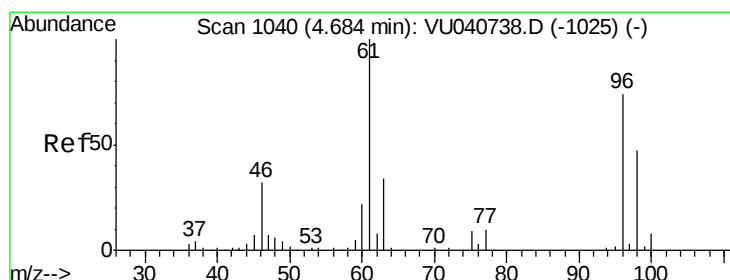
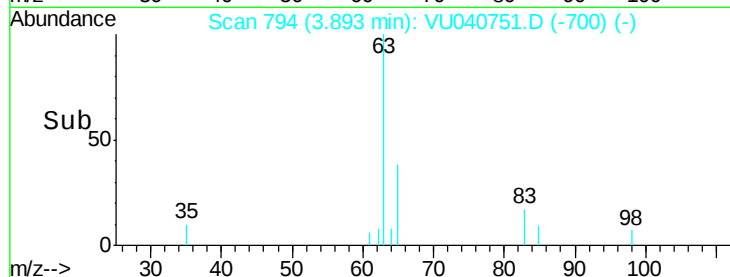
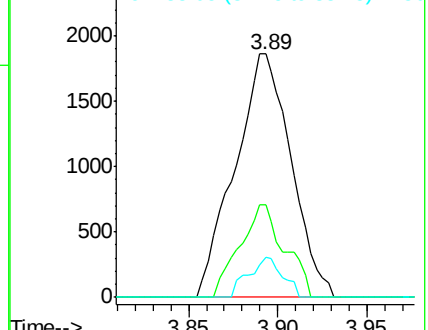
83 16.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040751.D (-773) (-)

Ion 65.10 (64.80 to 65.80): VU040751.D (-773) (-)

Ion 83.05 (82.75 to 83.75): VU040751.D (-773) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.083 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

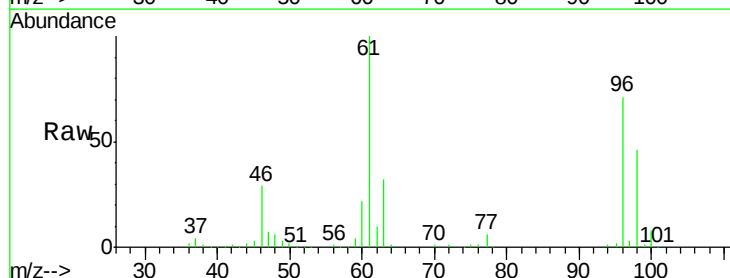
Tgt Ion: 96 Resp: 152062

Ion Ratio Lower Upper

96 100

61 140.5 99.8 185.4

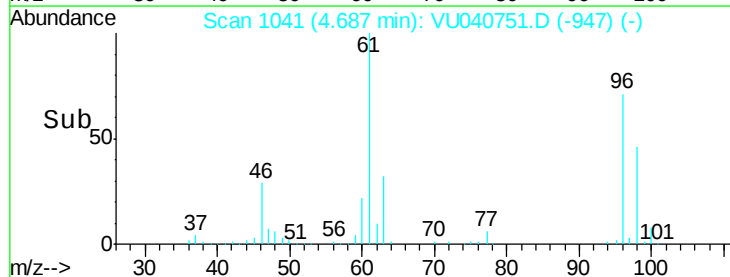
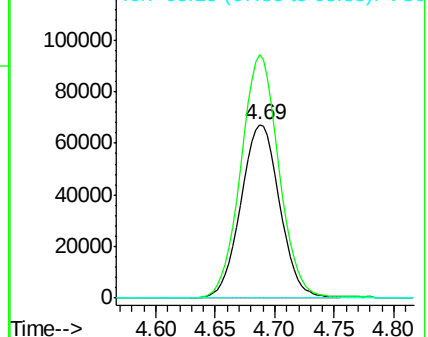
68 0.0 0.0 0.0

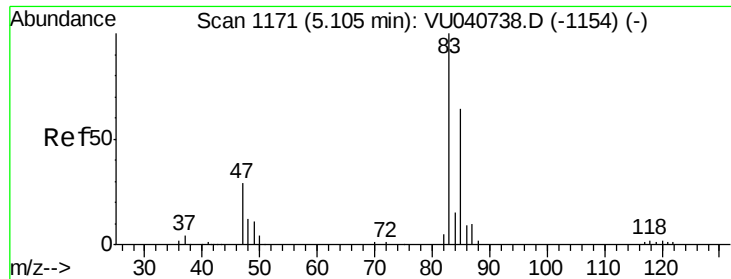


Abundance Ion 96.00 (95.70 to 96.70): VU040751.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040751.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040751.D (-947) (-)

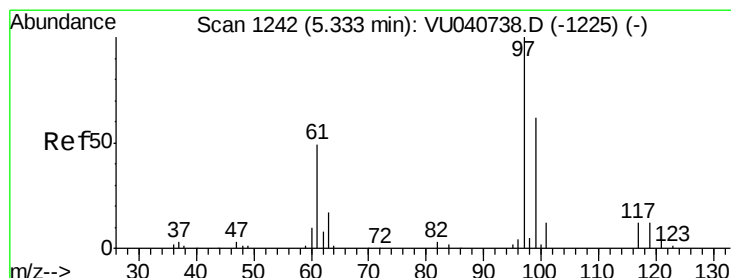
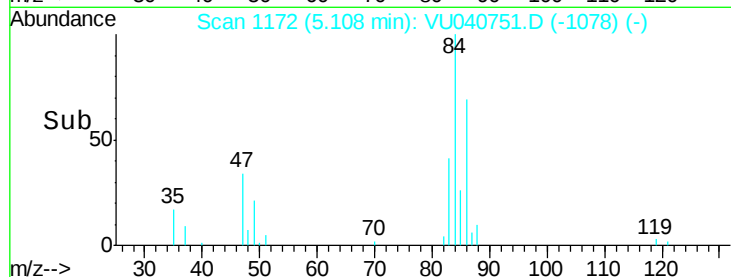
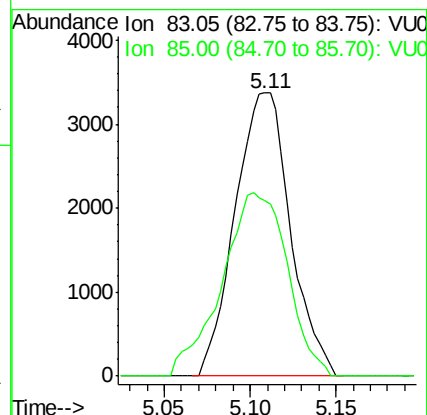
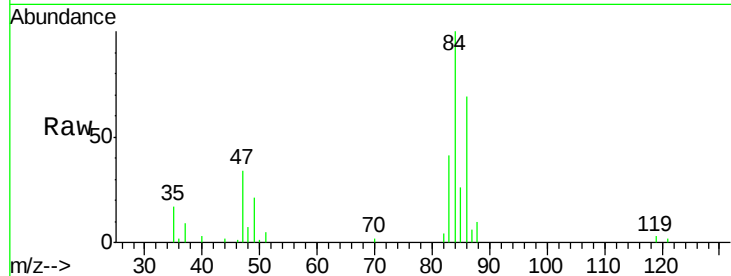




#25
Chloroform
Concen: 0.432 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040751.D
Acq: 16 Oct 2020 16:42

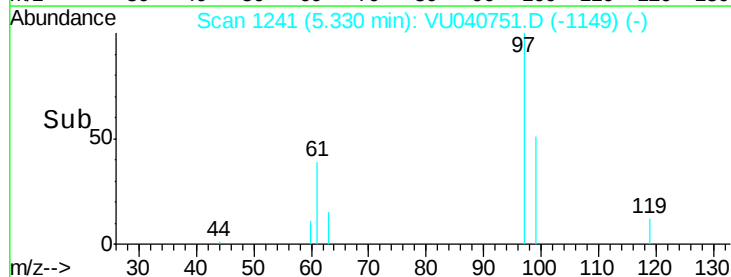
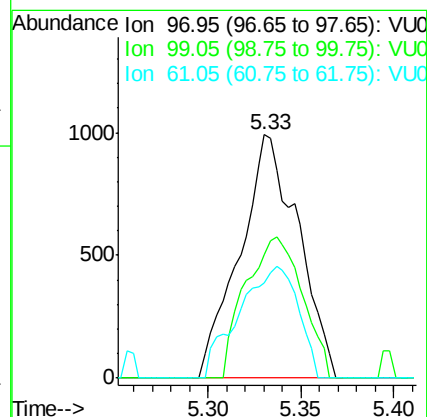
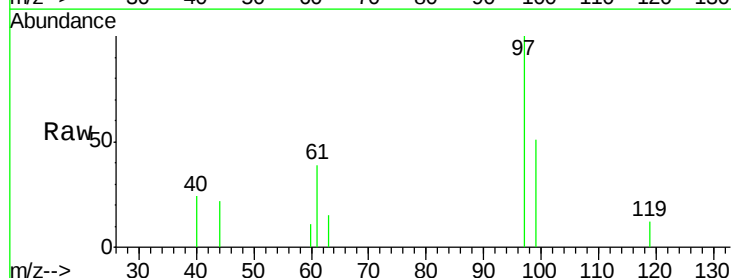
Instrument :
MSVOA_U
ClientSampled :
C0AJ5

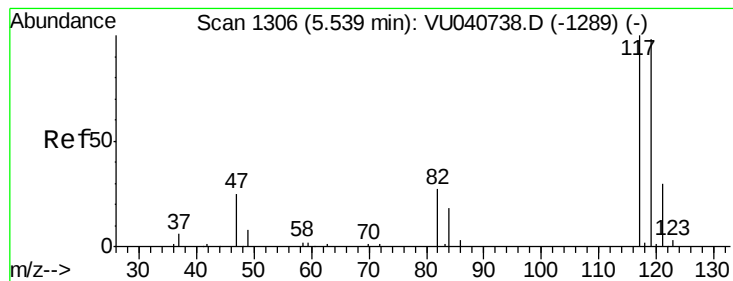
Tot Ion: 83 Resp: 7525
Ion Ratio Lower Upper
83 100
85 62.1 46.5 86.5



#29
1,1,1-Trichloroethane
Concen: 0.139 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040751.D
Acq: 16 Oct 2020 16:42

Tgt Ion: 97 Resp: 2174
Ion Ratio Lower Upper
97 100
99 56.6 51.3 76.9
61 46.5 39.4 59.2





#31

Carbon tetrachloride

Concen: 0.259 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

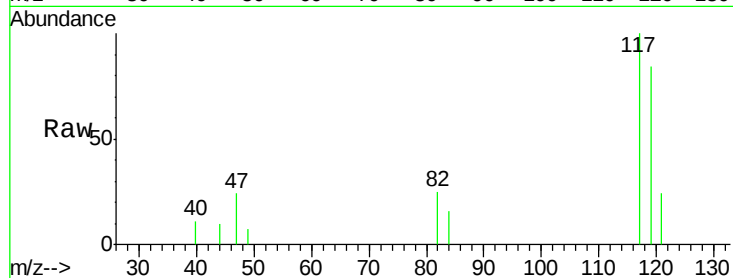
C0AJ5

Tot Ion:117 Resp: 3472

Ion Ratio Lower Upper

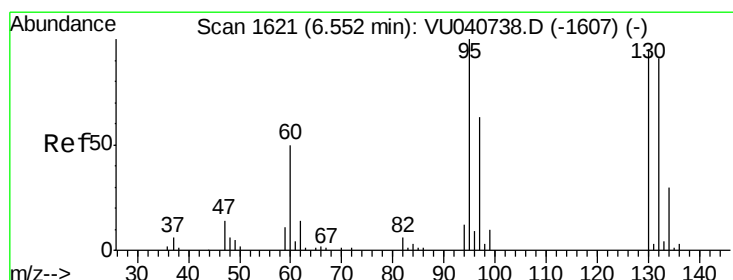
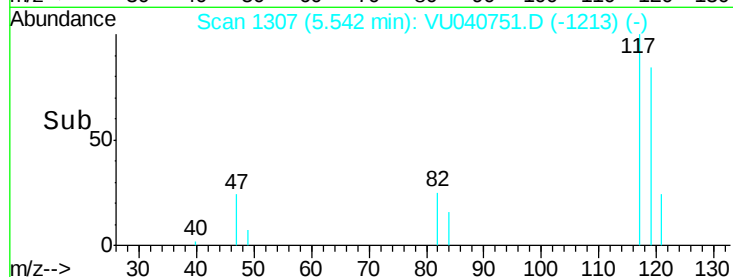
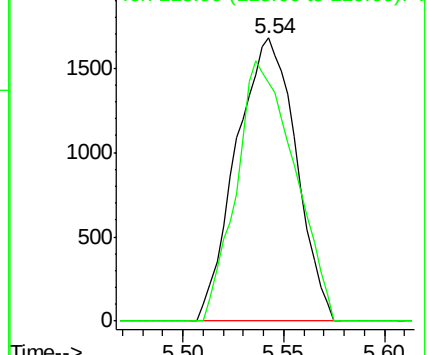
117 100

119 89.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 21.403 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040751.D

Acq: 16 Oct 2020 16:42

Tgt Ion: 95 Resp: 207385

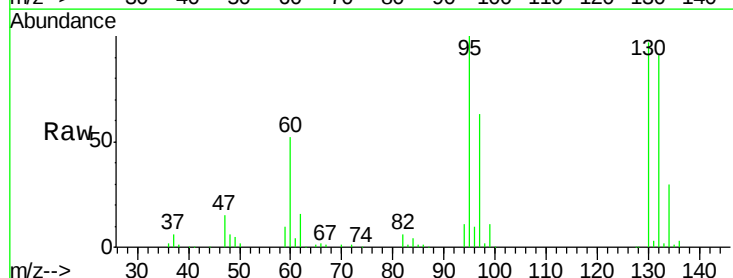
Ion Ratio Lower Upper

95 100

97 62.6 45.5 84.5

132 91.3 67.5 125.4

130 96.9 69.9 129.9

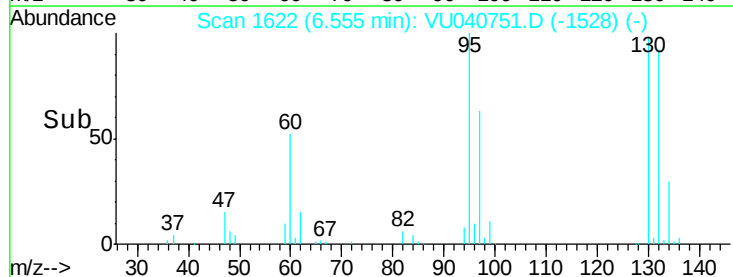
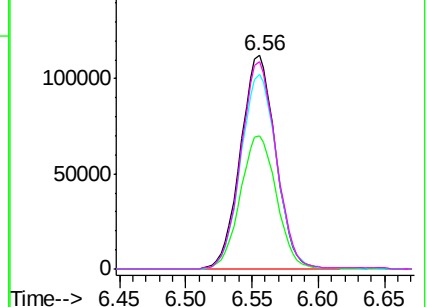


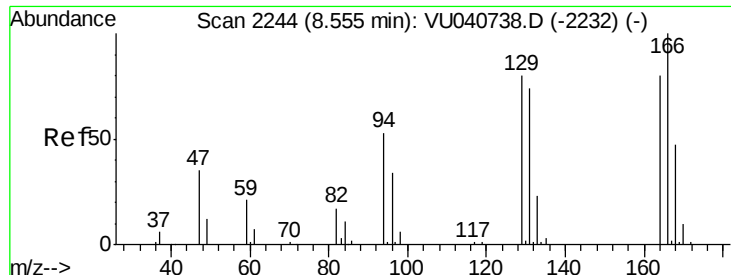
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 8.714 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040751.D

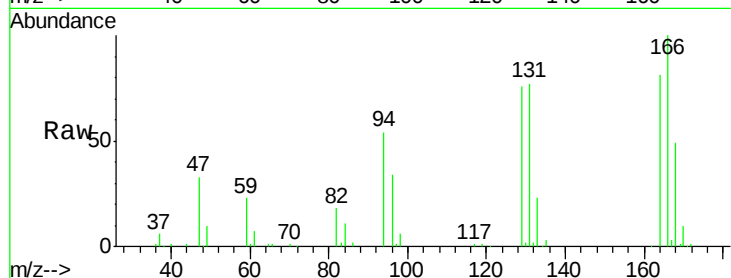
Acq: 16 Oct 2020 16:42

Instrument :

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ClientSampleId :

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Tot Ion:164 Resp: 60243

Ion Ratio Lower Upper

164 100

129 93.8 68.8 127.8

131 94.9 66.7 123.9

166 124.0 83.9 155.7

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

