

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040745.D
 Acq On : 16 Oct 2020 13:38
 Operator : SY/MD
 Sample : L4419-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AH8

Quant Time: Oct 17 00:38:48 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	112206	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117282	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39993	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.92	69	36628	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	71381	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.66	46	157789	53.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.06%
24) Chloroform-d	5.08	84	89243	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.72	65	52380	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	158611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	55441	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	123033	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	19359	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	105657	46.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46752	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	49205	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

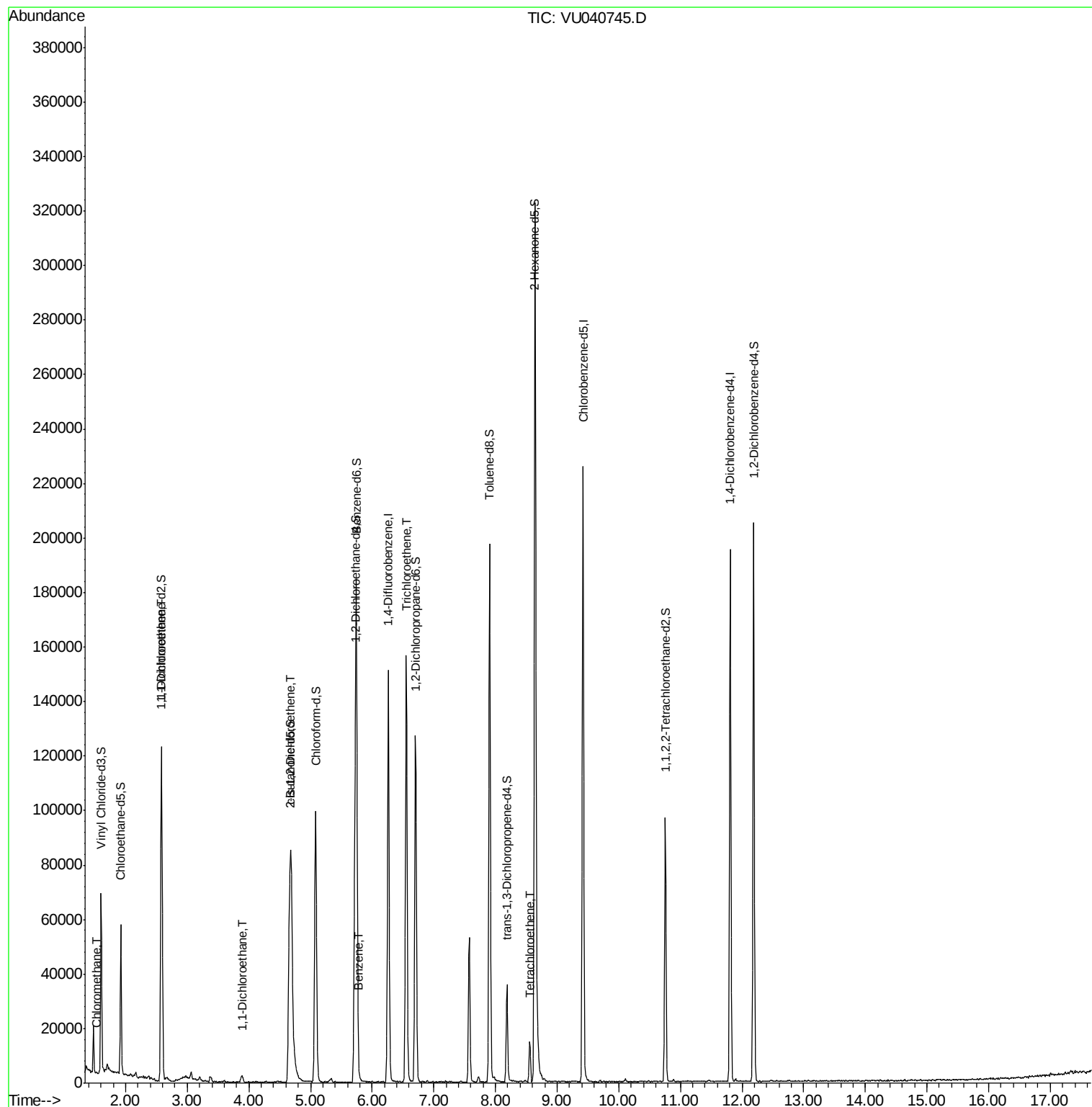
					Ovalue
3) Chloromethane	1.53	50	834	0.088 ug/L	99
12) 1,1-Dichloroethene	2.59	96	10906	1.362 ug/L #	34
19) 1,1-Dichloroethane	3.89	63	2928	0.169 ug/L #	94
22) cis-1,2-Dichloroethene	4.69	96	18088	2.001 ug/L	95
33) Benzene	5.78	78	1152	0.031 ug/L	100
34) Trichloroethene	6.56	95	53476	5.475 ug/L	94
47) Tetrachloroethene	8.56	164	2941	0.422 ug/L	92

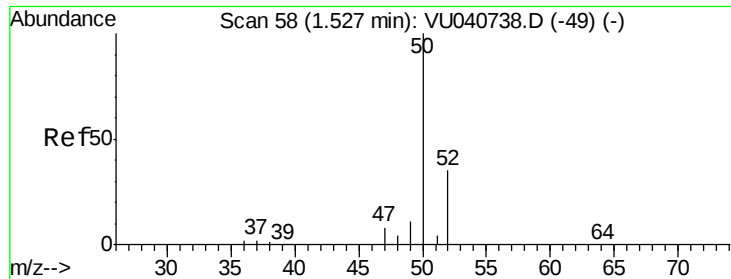
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.088 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

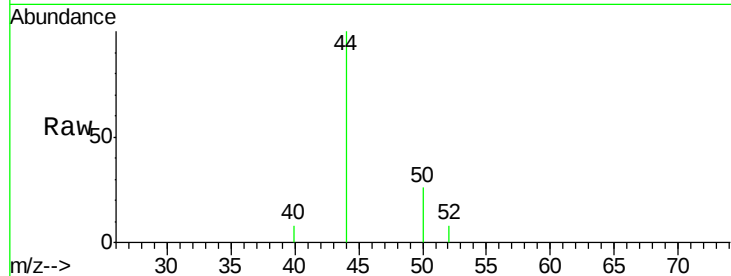
C0AH8

Tot Ion: 50 Resp: 834

Ion Ratio Lower Upper

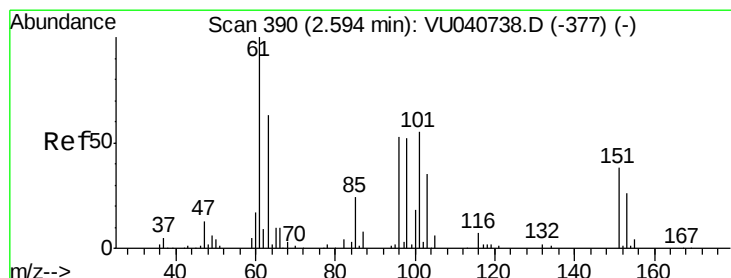
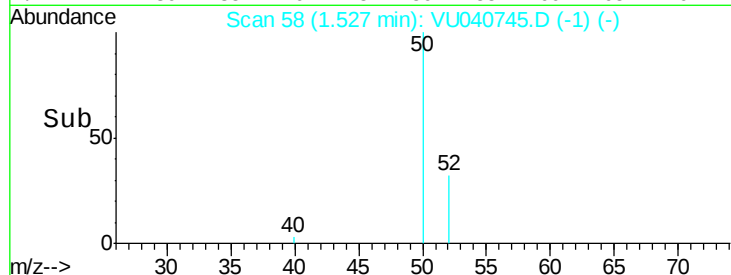
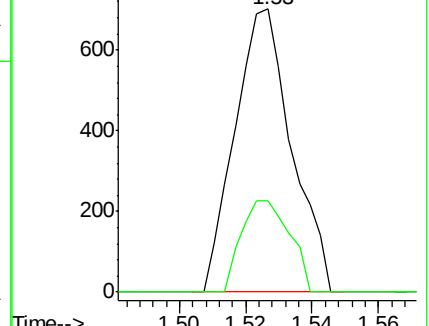
50 100

52 32.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 1.362 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

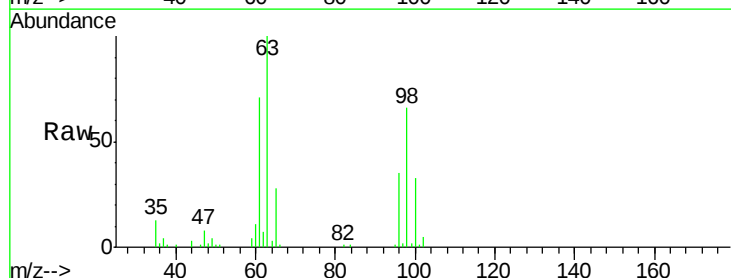
Tgt Ion: 96 Resp: 10906

Ion Ratio Lower Upper

96 100

61 202.4 128.8 239.2

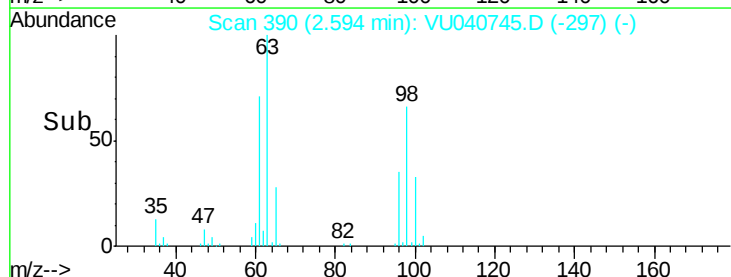
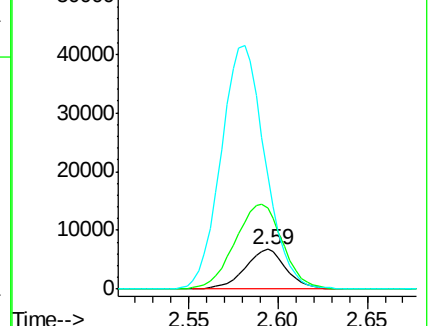
63 285.1 84.6 157.2#

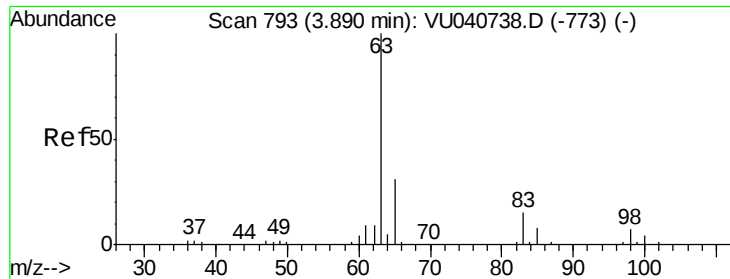


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#19

1,1-Dichloroethane

Concen: 0.169 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH8

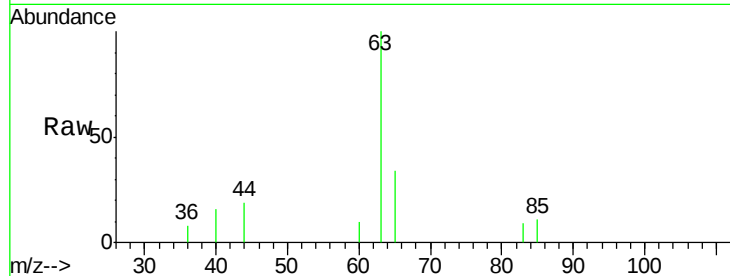
Tot Ion: 63 Resp: 2928

Ion Ratio Lower Upper

63 100

65 33.5 21.9 40.7

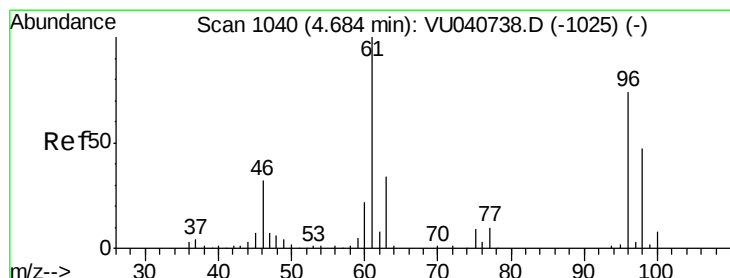
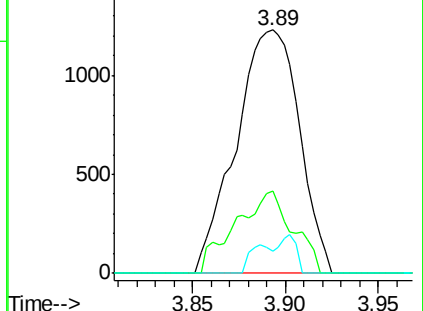
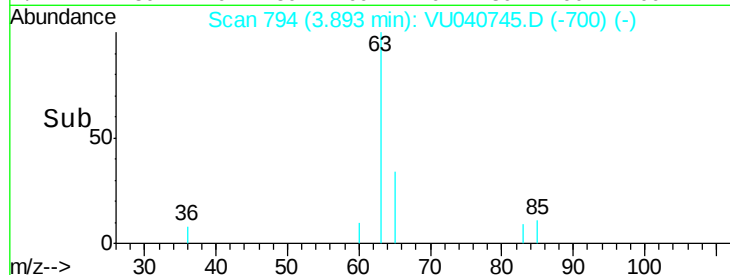
83 9.3 9.6 17.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040745.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040745.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040745.D (-700) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.001 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

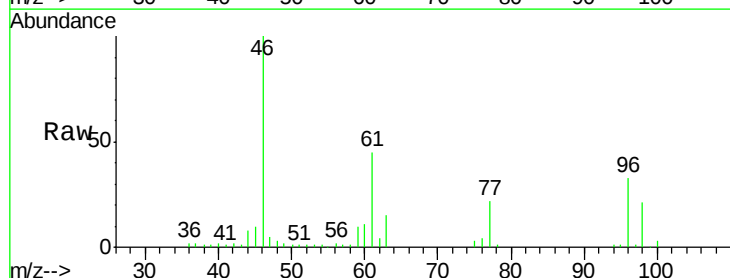
Tgt Ion: 96 Resp: 18088

Ion Ratio Lower Upper

96 100

61 137.0 99.8 185.4

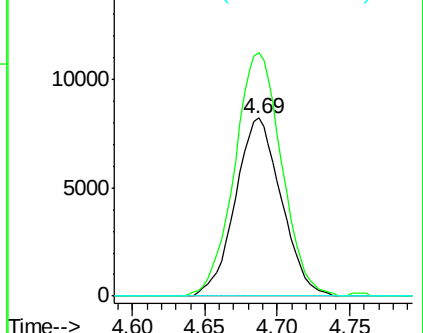
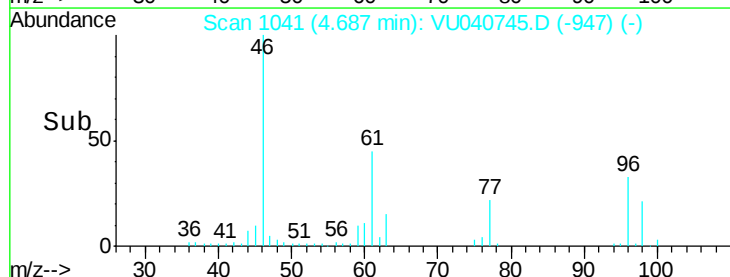
68 0.0 0.0 0.0

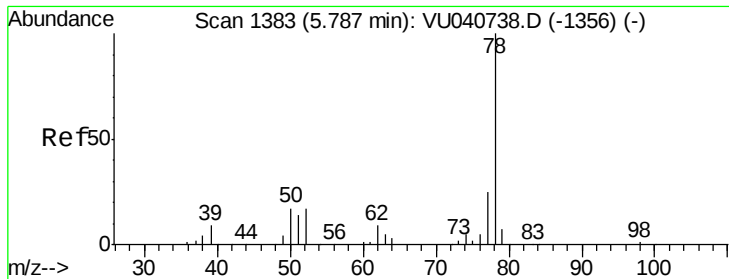


Abundance Ion 96.00 (95.70 to 96.70): VU040745.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040745.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040745.D (-947) (-)





#33

Benzene

Concen: 0.031 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

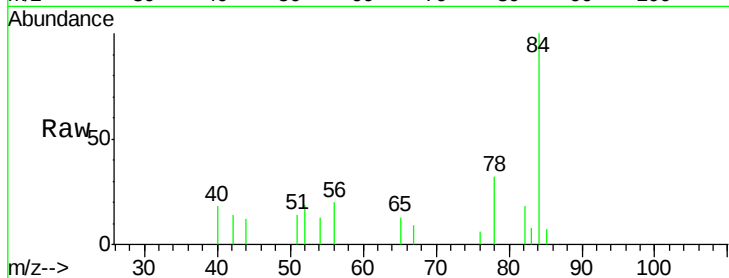
Instrument :

MSVOA_U

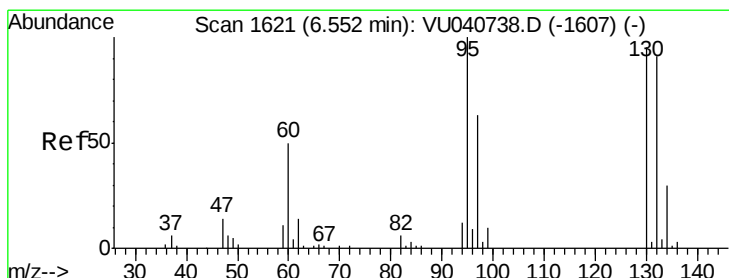
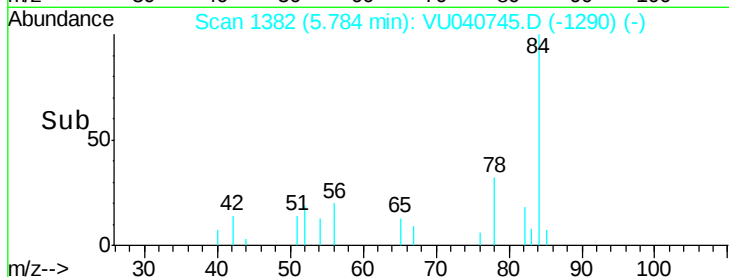
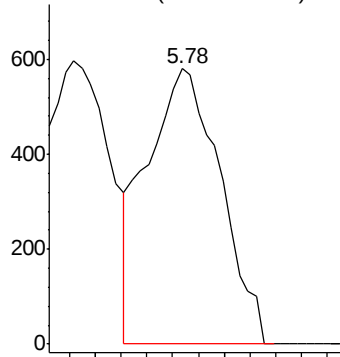
ClientSampleId :

C0AH8

Tgt Ion: 78 Resp: 1152



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.475 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040745.D

Acq: 16 Oct 2020 13:38

Tgt Ion: 95 Resp: 53476

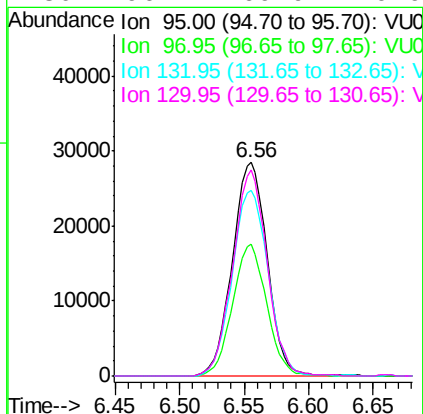
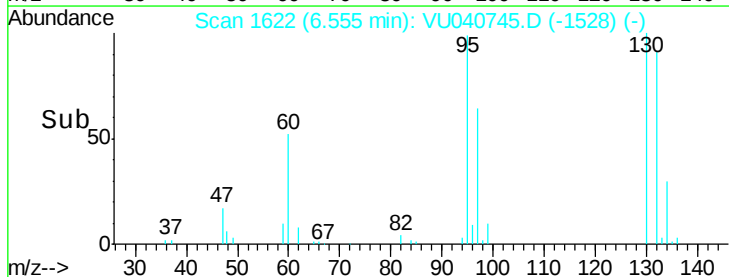
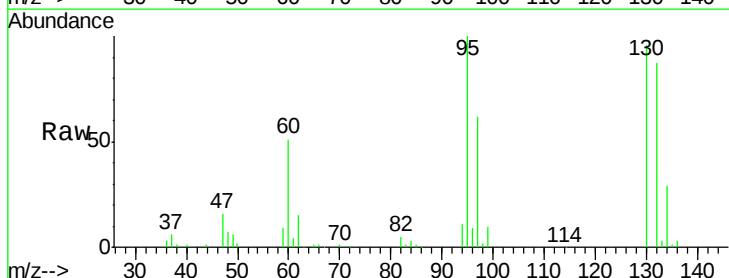
Ion	Ratio	Lower	Upper
95	100		
97	61.6	45.5	84.5
132	87.2	67.5	125.4
130	96.2	69.9	129.9

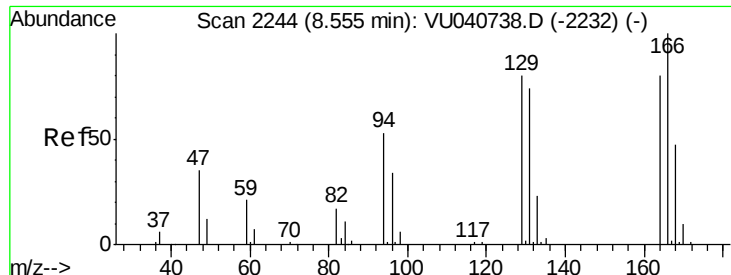
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.422 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040745.D

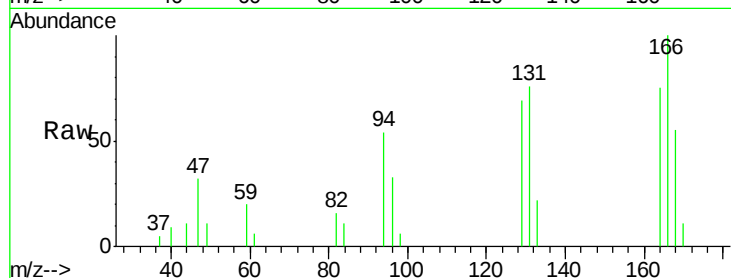
Acq: 16 Oct 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

C0AH8



Tot Ion:164 Resp: 2941

Ion Ratio Lower Upper

164 100

129 91.1 68.8 127.8

131 100.4 66.7 123.9

166 132.9 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

