

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112320\
 Data File : VU041394.D
 Acq On : 23 Nov 2020 17:51
 Operator : SY/MD
 Sample : L4849-02DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4405DL

Quant Time: Nov 24 02:39:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 24 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68103	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72276	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31427	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22970	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.92	69	16884	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.58	63	37008	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.80%
20) 2-Butanone-d5	4.65	46	63591	52.15	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.30%
24) Chloroform-d	5.08	84	45608	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	29530	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.74	84	83882	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	27196	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.91	98	74442	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	11769	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.64	63	42189	50.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23023	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	26821	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

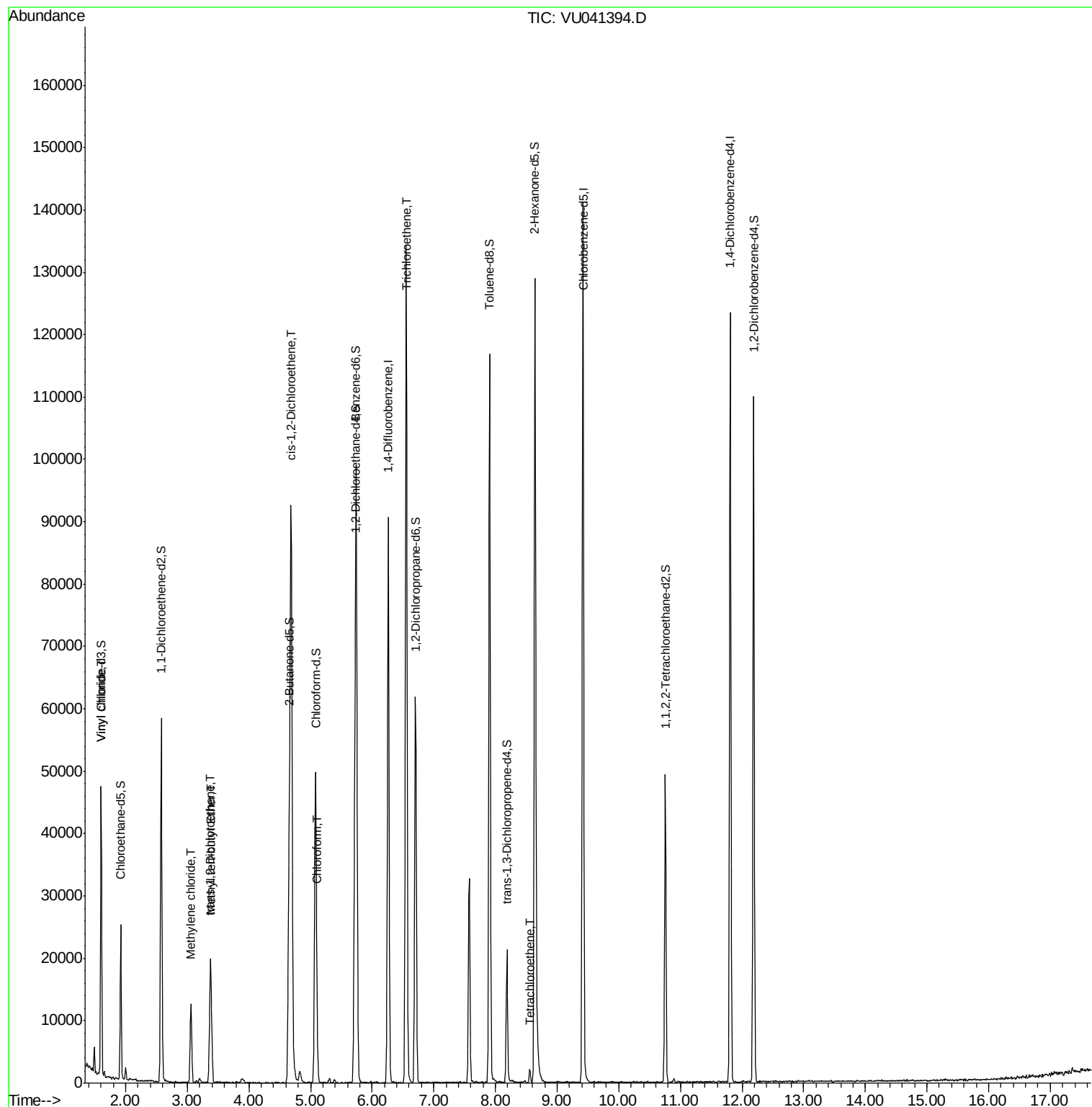
					Ovalue
5) Vinyl chloride	1.61	62	5629	0.946 ug/L	91
16) Methylene chloride	3.06	84	5429	0.906 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	18075	1.731 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	1668	0.367 ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	39672	8.203 ug/L	98
25) Chloroform	5.11	83	2777	0.279 ug/L	97
34) Trichloroethene	6.55	95	44652	8.457 ug/L	96
47) Tetrachloroethene	8.56	164	470	0.119 ug/L	80

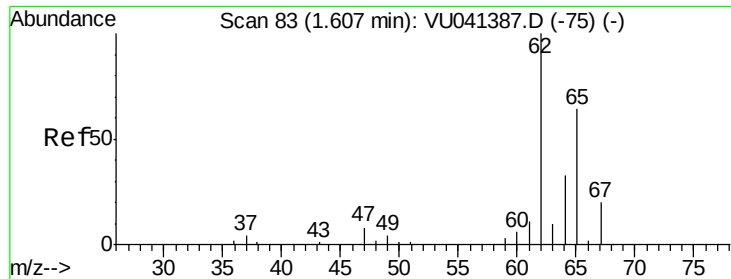
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.946 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleID :

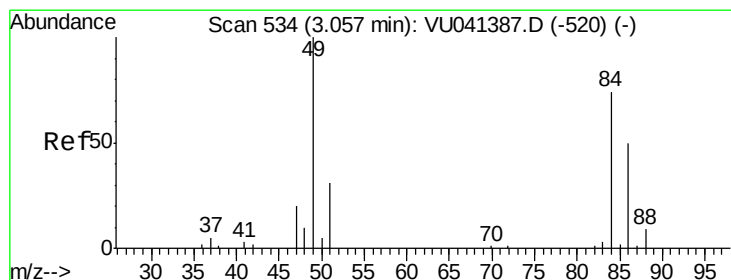
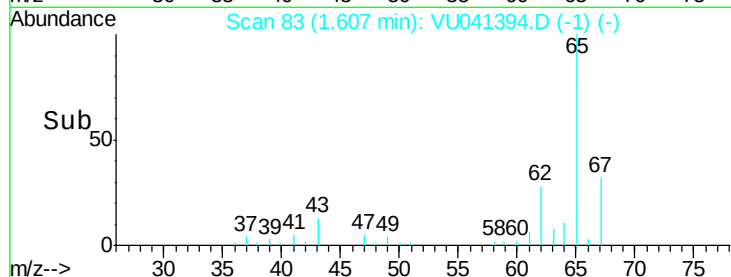
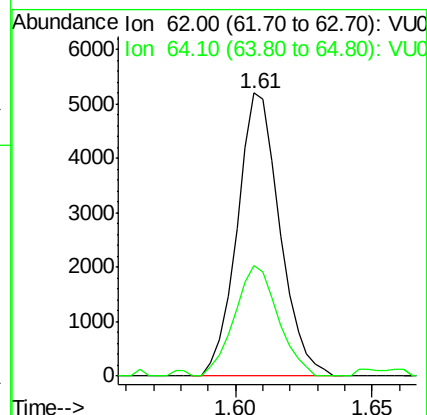
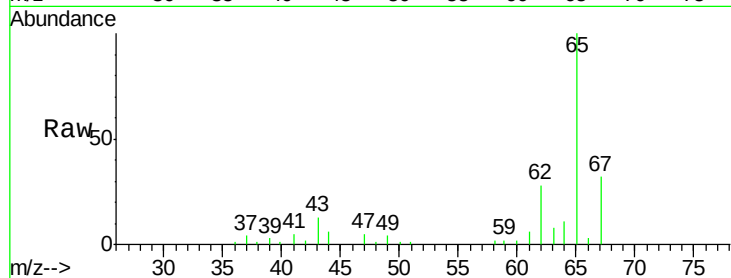
H4405DL

Tot Ion: 62 Resp: 5629

Ion Ratio Lower Upper

62 100

64 39.1 23.8 44.2



#16

Methylene chloride

Concen: 0.906 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

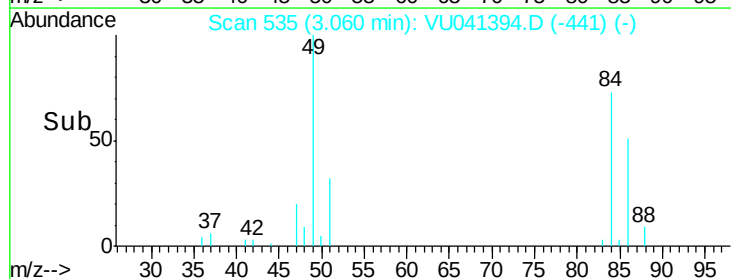
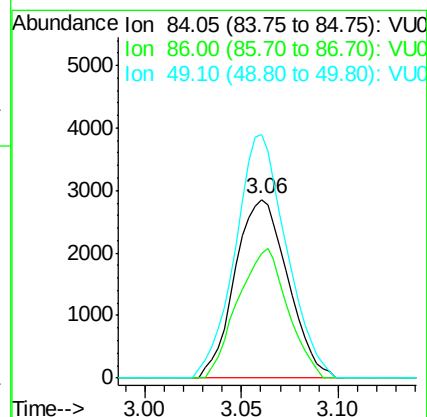
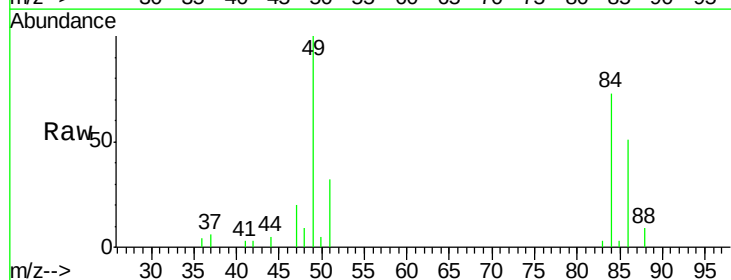
Tgt Ion: 84 Resp: 5429

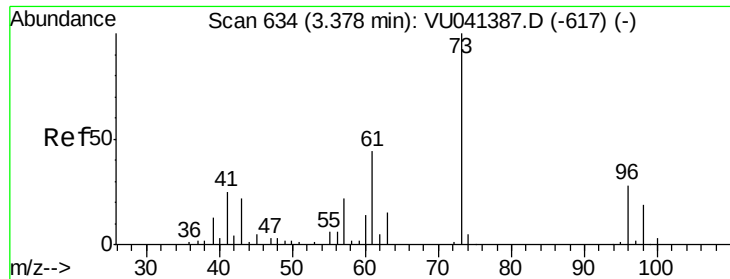
Ion Ratio Lower Upper

84 100

86 70.0 44.4 82.5

49 136.3 89.9 167.0

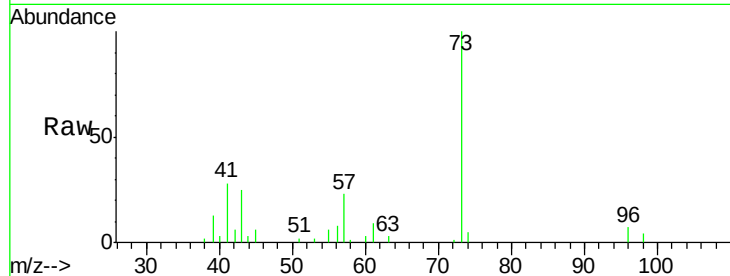




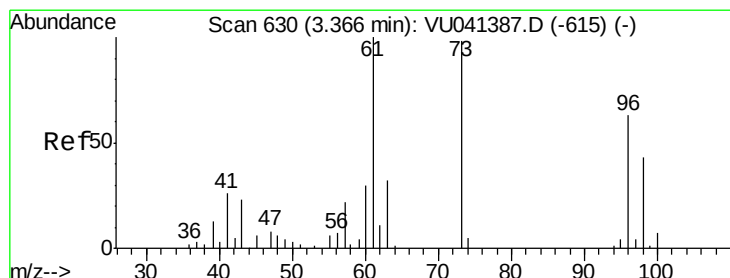
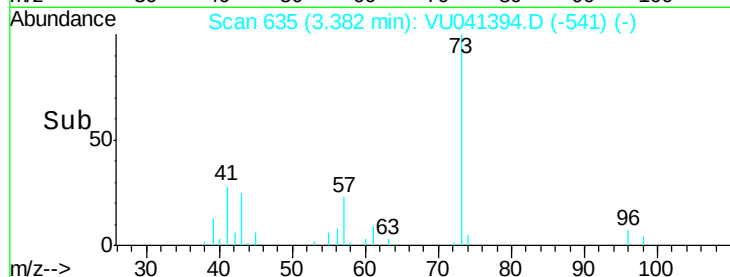
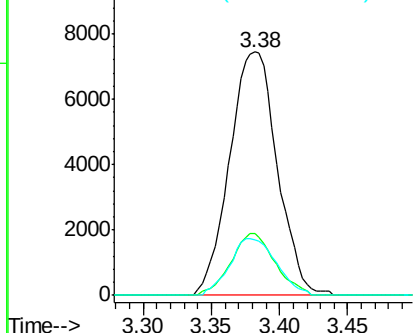
#17
Methyl tert-butyl Ether
Concen: 1.731 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Instrument :
MSVOA_U
ClientSampleID :
H4405DL

Tot Ion: 73 Resp: 18075
Ion Ratio Lower Upper
73 100
43 23.6 18.3 27.5
57 22.8 17.7 26.5

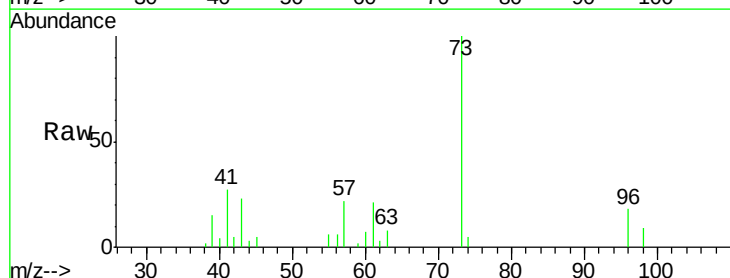


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

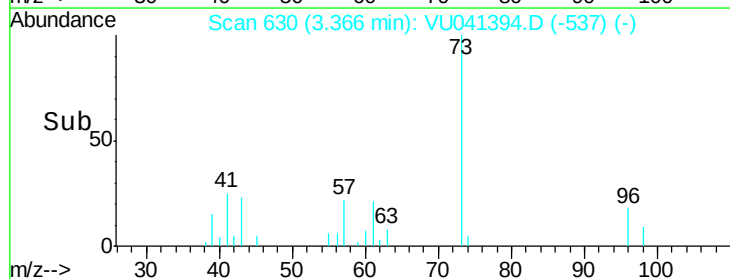
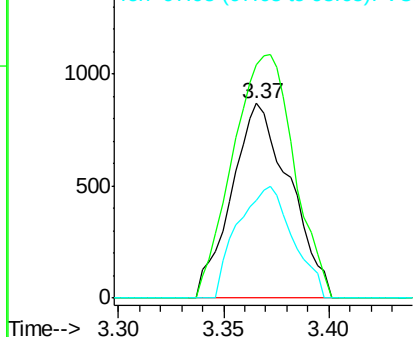


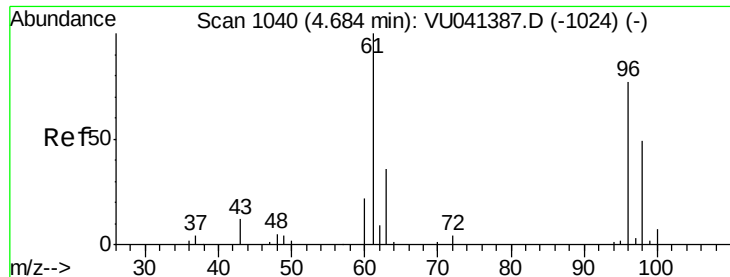
#18
trans-1,2-Dichloroethene
Concen: 0.367 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041394.D
Acq: 23 Nov 2020 17:51

Tgt Ion: 96 Resp: 1668
Ion Ratio Lower Upper
96 100
61 119.7 103.7 192.5
98 50.3 47.5 88.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 8.203 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

H4405DL

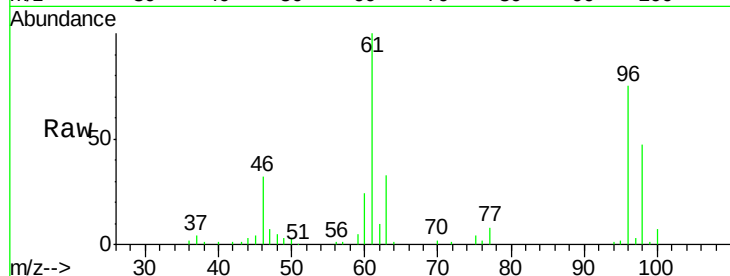
Tot Ion: 96 Resp: 39672

Ion Ratio Lower Upper

96 100

61 133.9 95.3 176.9

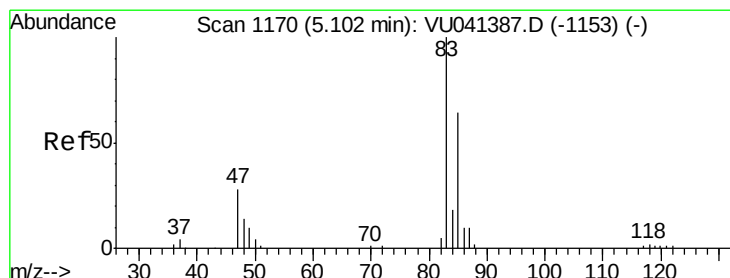
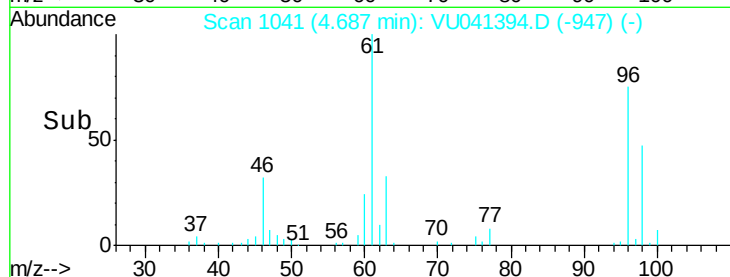
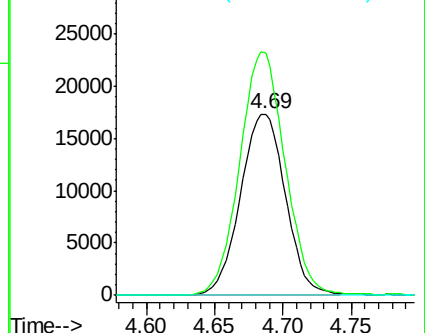
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.279 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU041394.D

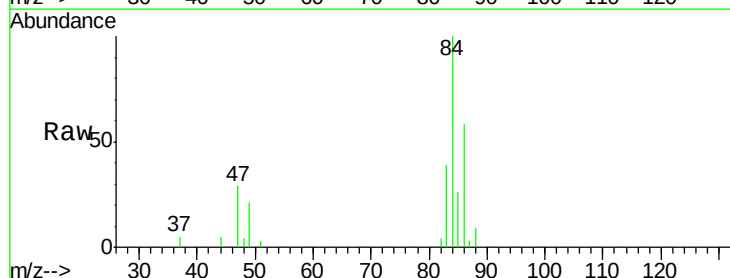
Acq: 23 Nov 2020 17:51

Tgt Ion: 83 Resp: 2777

Ion Ratio Lower Upper

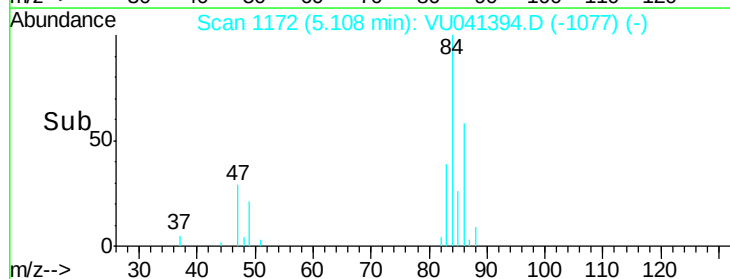
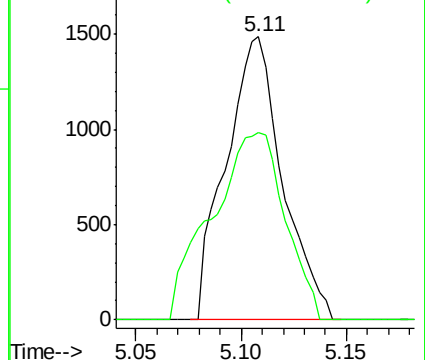
83 100

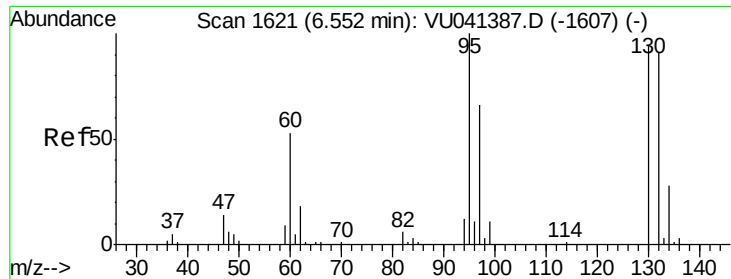
85 66.1 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 8.457 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

H4405DL

Tot Ion: 95 Resp: 44652

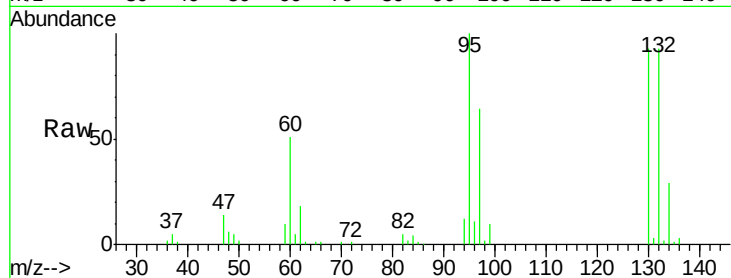
Ion Ratio Lower Upper

95 100

97 64.5 46.5 86.5

132 93.1 60.8 113.0

130 92.8 63.3 117.7

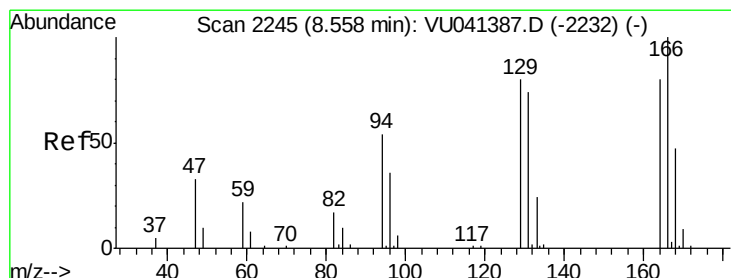
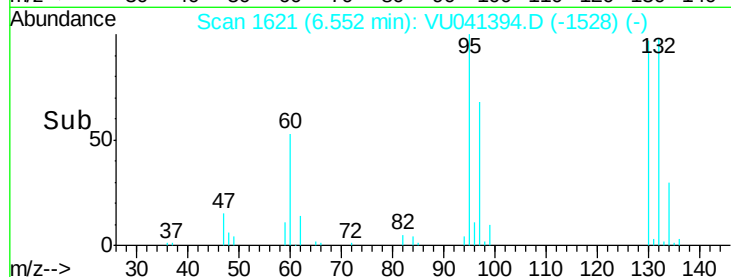
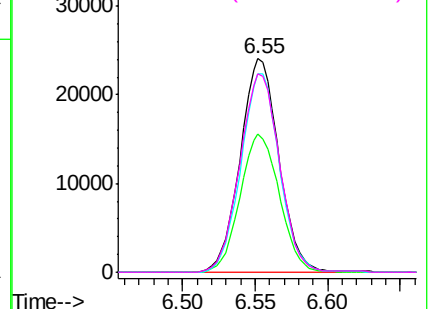


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.119 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041394.D

Acq: 23 Nov 2020 17:51

Tgt Ion:164 Resp: 470

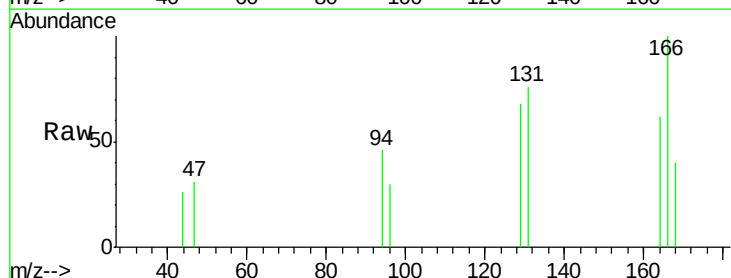
Ion Ratio Lower Upper

164 100

129 110.3 71.0 131.9

131 122.7 69.0 128.1

166 161.7 92.4 171.6



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

