

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035417.D
 Acq On : 23 Oct 2019 18:25
 Operator : JC/SP
 Sample : K5461-11DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G64DL

Quant Time: Oct 24 06:34:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 05:20:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	243144	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	248956	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	89516	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	65900	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.93	69	67335	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	63	95464	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.71	46	246078	57.76	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.52%
24) Chloroform-d	5.11	84	150830	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.75	65	85017	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
32) Benzene-d6	5.77	84	279866	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.74	67	100309	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.93	98	232693	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.22	79	35560	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.69	63	182517	47.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	88045	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	82184	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

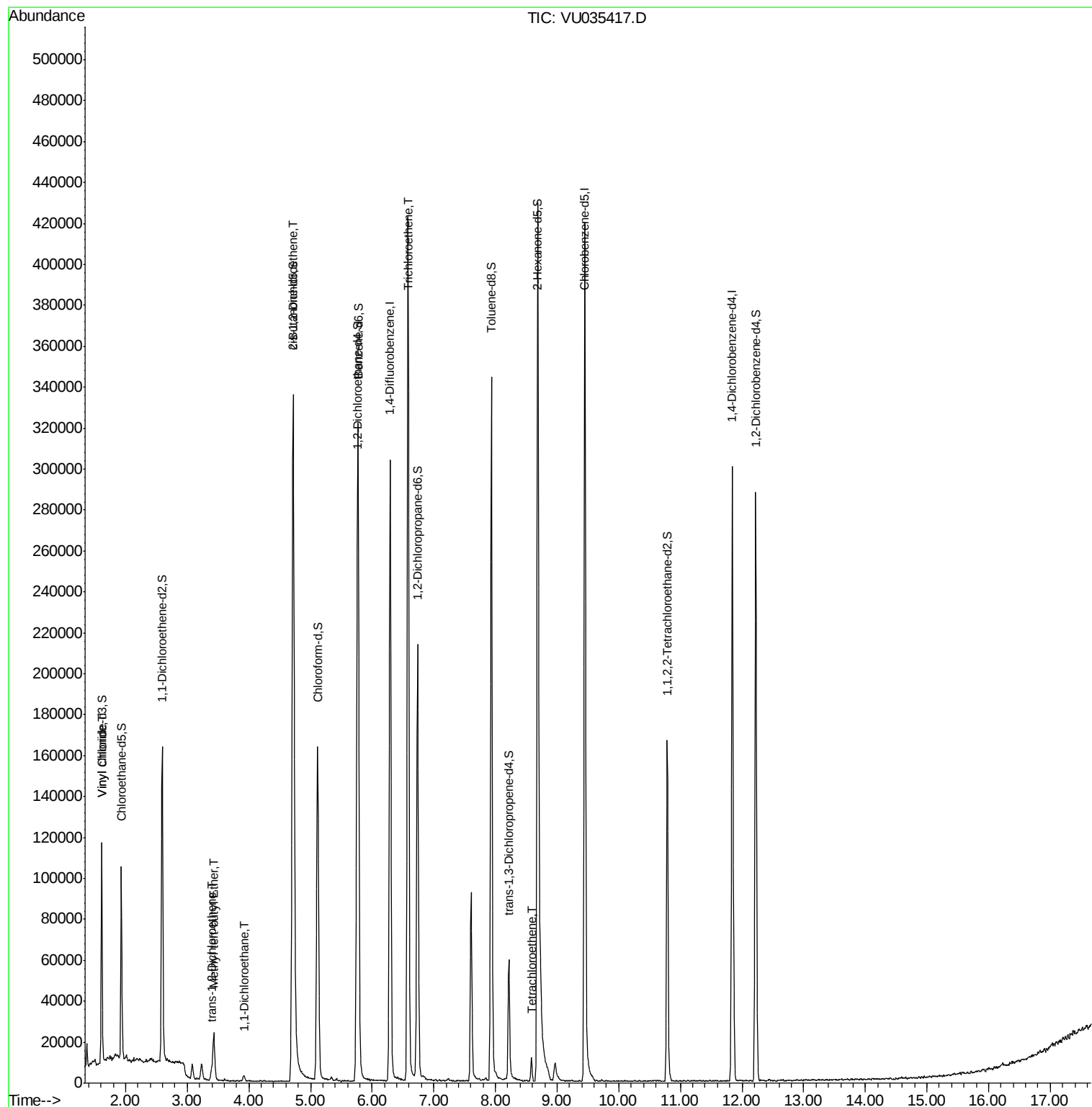
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	9826	0.466	ug/L #	81
17) Methyl tert-butyl Ether	3.43	73	23424	0.557	ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	2098	0.124	ug/L #	72
19) 1,1-Dichloroethane	3.92	63	3326	0.109	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	97747	5.246	ug/L	99
34) Trichloroethene	6.58	95	144567	7.341	ug/L	97
47) Tetrachloroethene	8.58	164	2617	0.160	ug/L	93

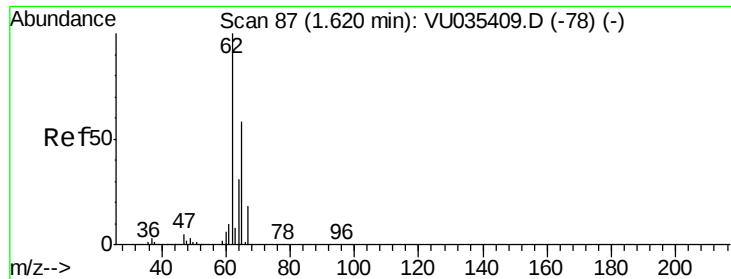
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.466 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035417.D

Acq: 23 Oct 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

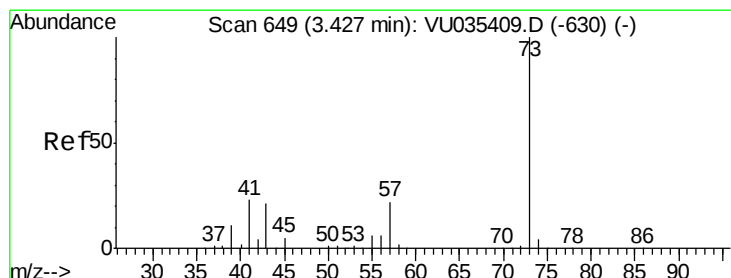
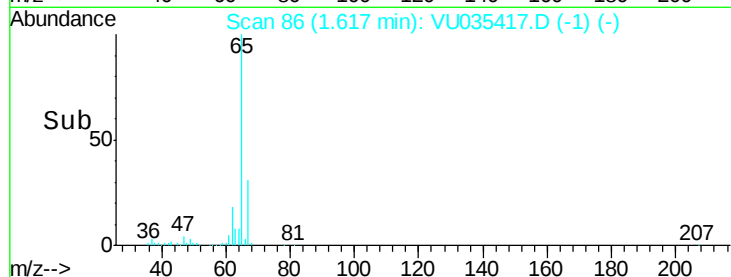
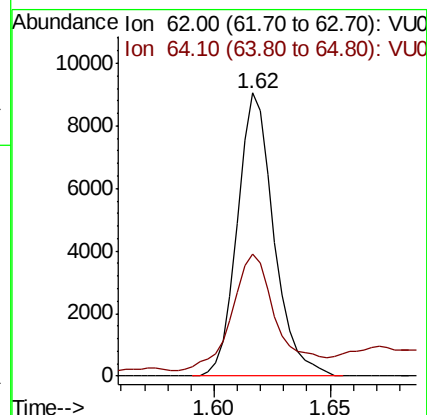
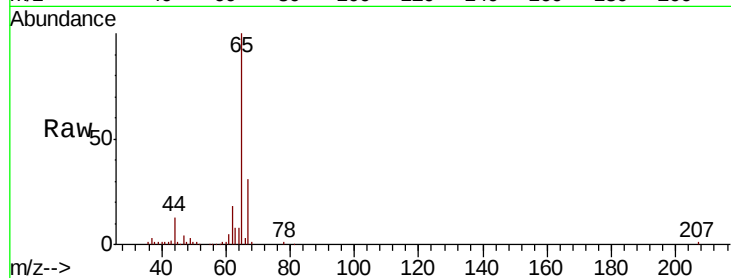
H0G64DL

Tot Ion: 62 Resp: 9826

Ion Ratio Lower Upper

62 100

64 43.3 22.9 42.5#



#17

Methyl tert-butyl Ether

Concen: 0.557 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035417.D

Acq: 23 Oct 2019 18:25

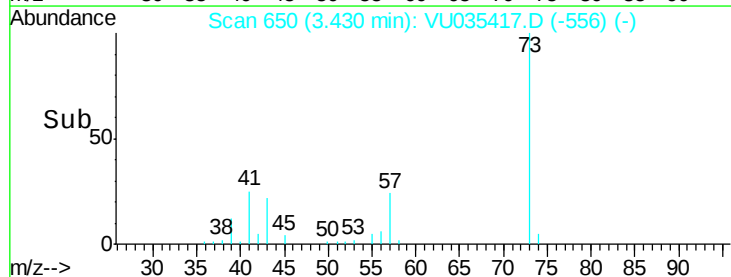
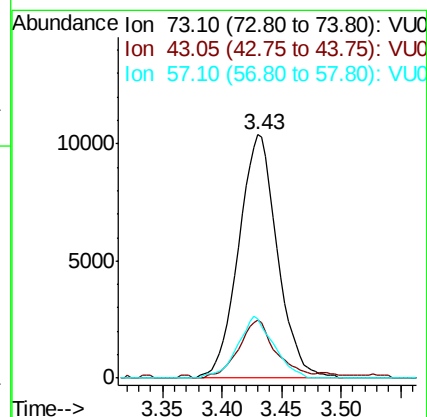
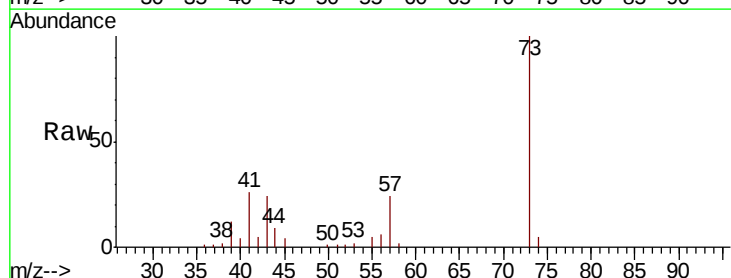
Tgt Ion: 73 Resp: 23424

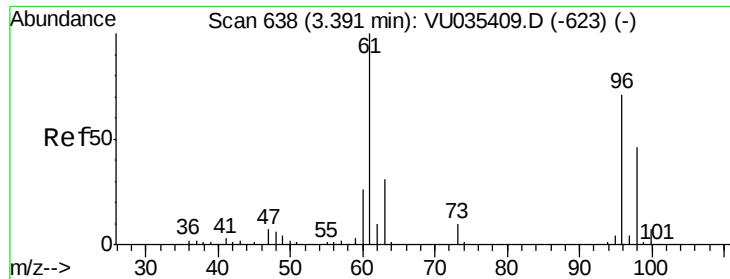
Ion Ratio Lower Upper

73 100

43 22.9 16.0 24.0

57 23.5 17.4 26.2

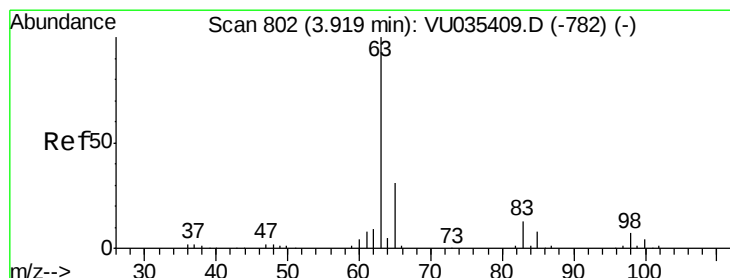
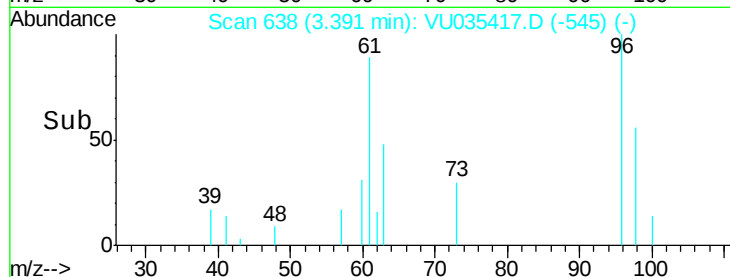
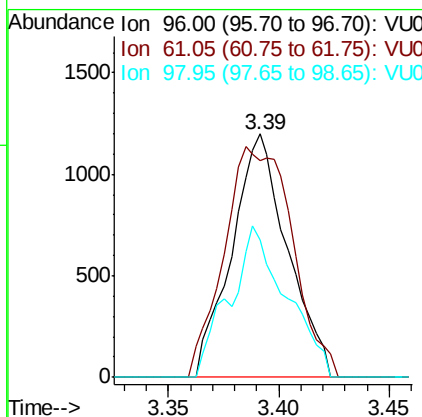
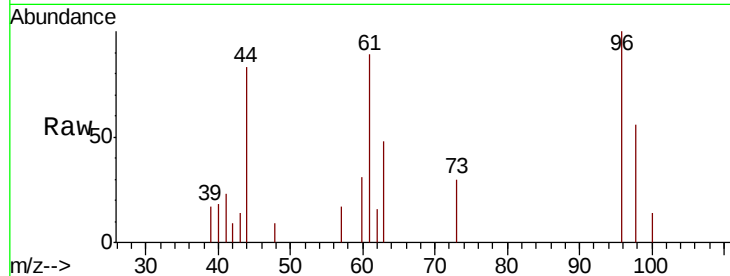




#18
 trans-1,2-Dichloroethene
 Concen: 0.124 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU035417.D
 Acq: 23 Oct 2019 18:25

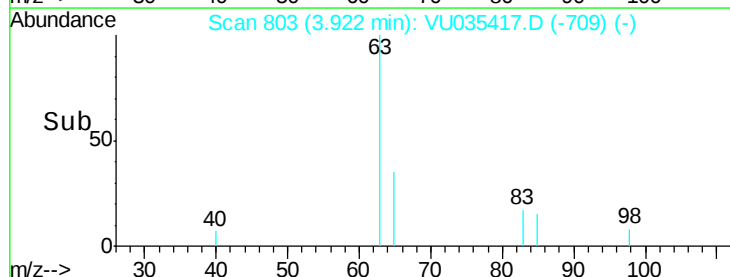
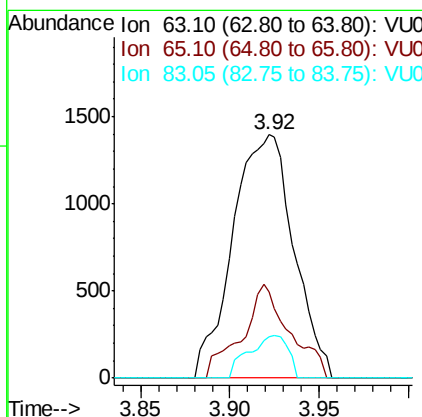
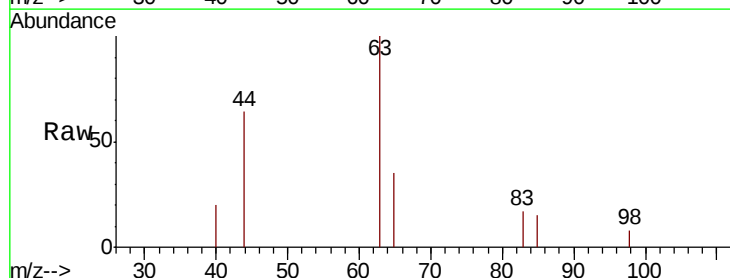
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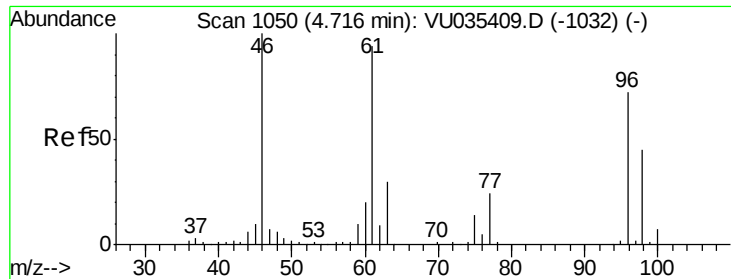
Tot Ion: 96 Resp: 2098
 Ion Ratio Lower Upper
 96 100
 61 89.1 93.0 172.6#
 98 56.2 43.7 81.1



#19
 1,1-Dichloroethane
 Concen: 0.109 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035417.D
 Acq: 23 Oct 2019 18:25

Tgt Ion: 63 Resp: 3326
 Ion Ratio Lower Upper
 63 100
 65 35.4 22.4 41.6
 83 17.2 9.3 17.3

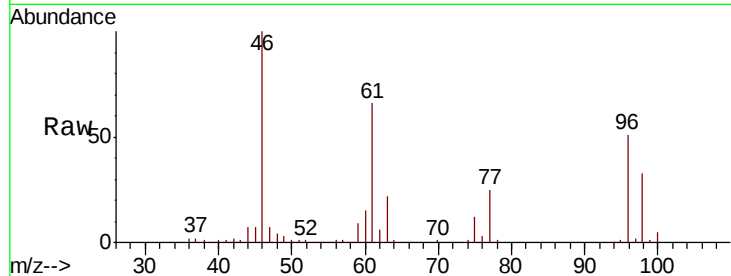




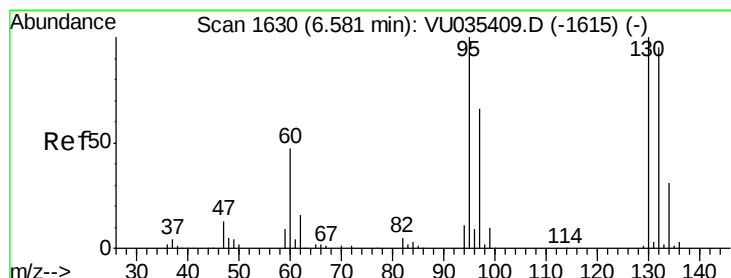
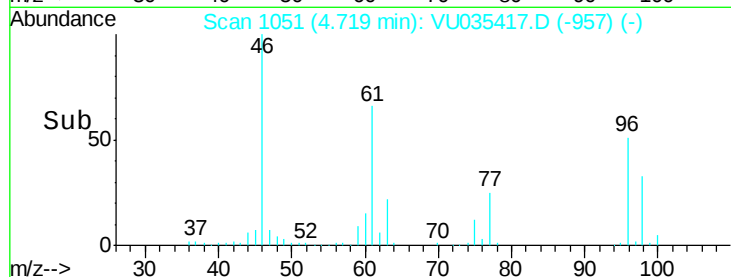
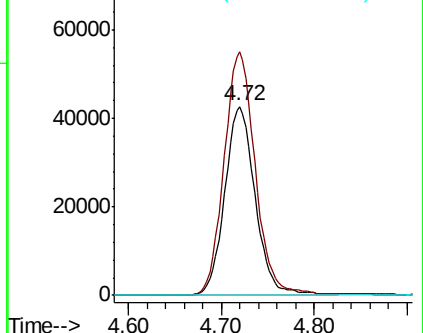
#22
 cis-1,2-Dichloroethene
 Concen: 5.246 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035417.D
 Acq: 23 Oct 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G64DL

Tot Ion: 96 Resp: 97747
 Ion Ratio Lower Upper
 96 100
 61 128.7 89.7 166.5
 68 0.0 0.0 0.0

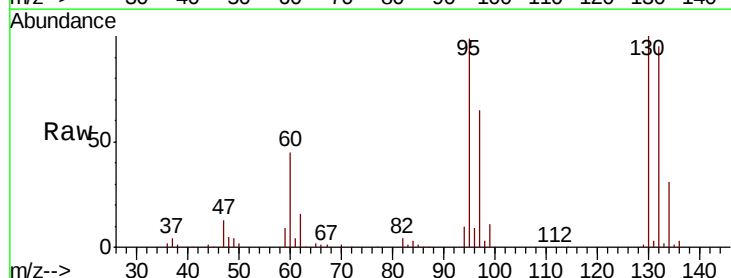


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

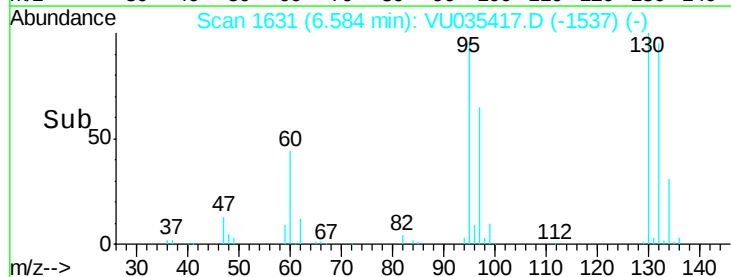
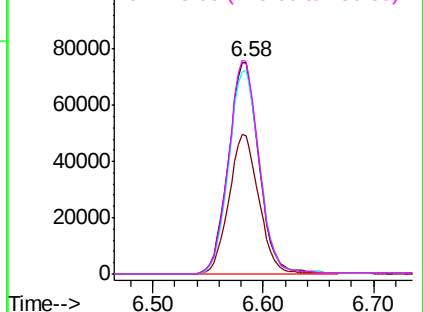


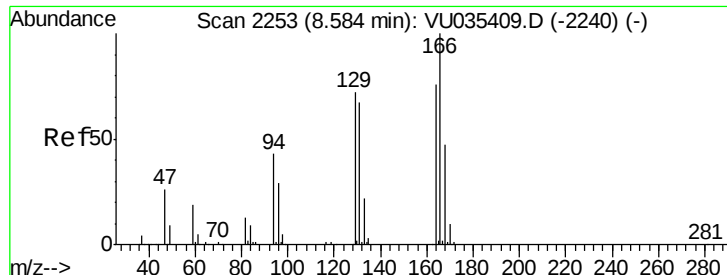
#34
 Trichloroethene
 Concen: 7.341 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035417.D
 Acq: 23 Oct 2019 18:25

Tgt Ion: 95 Resp: 144567
 Ion Ratio Lower Upper
 95 100
 97 65.6 46.6 86.6
 132 96.0 68.7 127.7
 130 100.6 73.9 137.3



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: 0.160 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035417.D

Acq: 23 Oct 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

H0G64DL

Tot Ion:164 Resp: 2617

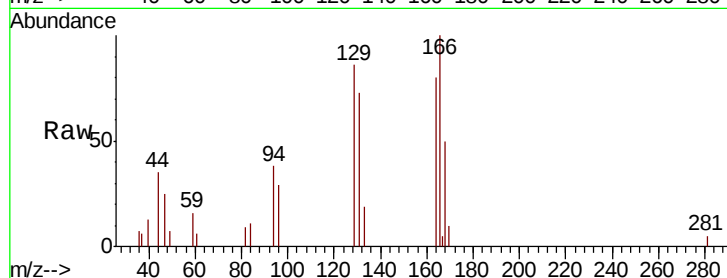
Ion Ratio Lower Upper

164 100

129 107.2 65.2 121.0

131 91.6 62.9 116.9

166 125.3 91.5 169.9



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

