

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\
 Data File : VU031785.D
 Acq On : 06 May 2019 17:30
 Operator : JC/SP
 Sample : K2705-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 08:50:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 08:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	657084	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	630400	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	230506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	244131	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.78%
7) Chloroethane-d5	1.68	69	202865	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.48%
11) 1,1-Dichloroethene-d2	2.27	63	377846	34.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.00%
21) 2-Butanone-d5	4.18	46	630370	126.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.51%
24) Chloroform-d	4.64	84	499931	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	5.31	65	357577	54.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.68%
32) Benzene-d6	5.34	84	924730	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
36) 1,2-Dichloropropane-d6	6.33	67	346892	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.56	98	696599	41.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.64%
43) trans-1,3-Dichloropropene-	7.85	79	136289	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
47) 2-Hexanone-d5	8.31	63	336095	114.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	482667	52.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	235106	48.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

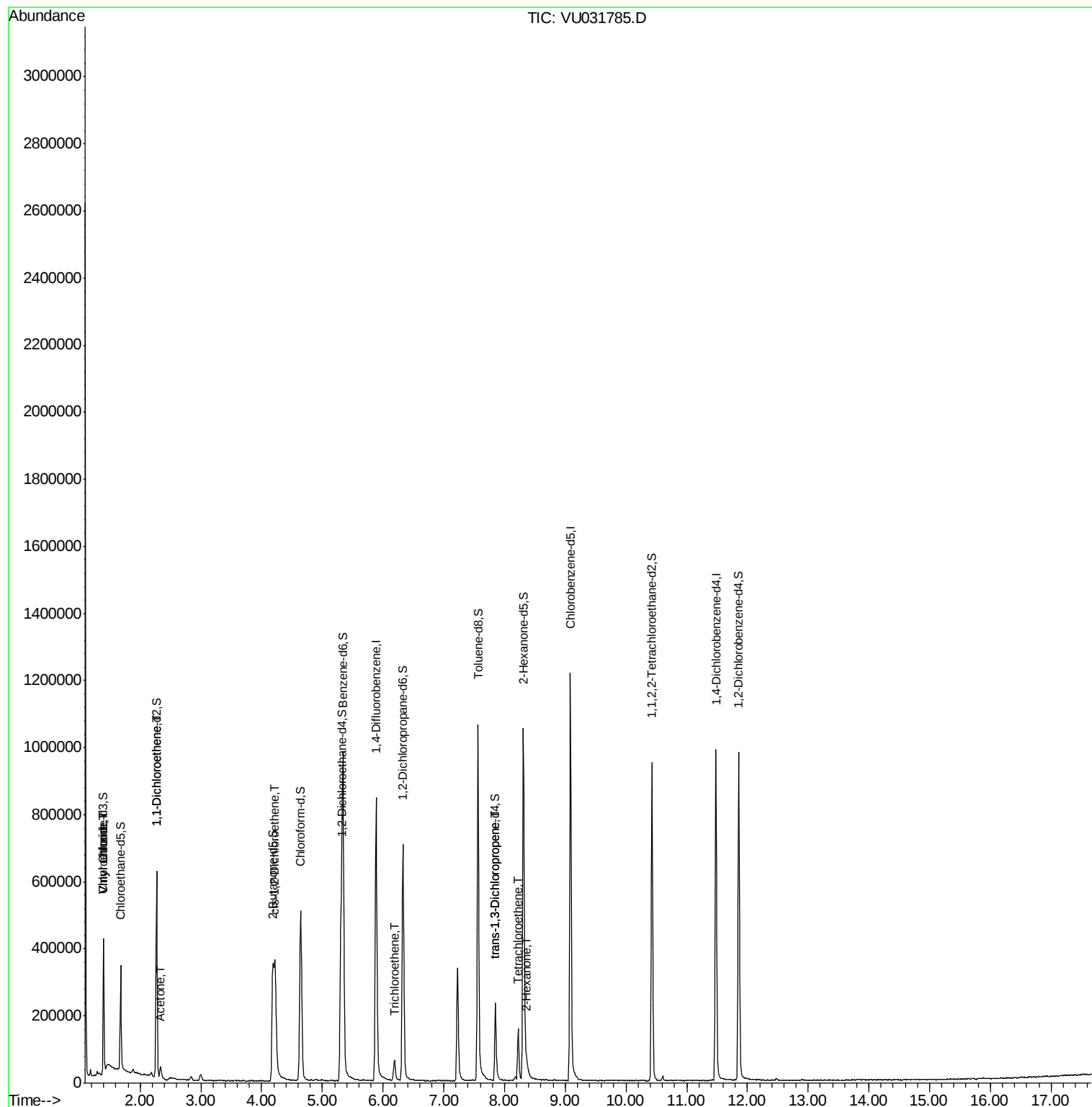
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	35399	4.331	ug/L #	78
8) Chloroethane	1.40	64	20713	4.636	ug/L	94
12) 1,1-Dichloroethene	2.28	96	3948	0.770	ug/L #	1
13) Acetone	2.33	43	42656	7.600	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	138809	24.224	ug/L	89
34) Trichloroethene	6.19	95	22509	4.006	ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	5463	0.693	ug/L	90
46) Tetrachloroethene	8.22	164	31891	8.326	ug/L	96
48) 2-Hexanone	8.37	43	23364	2.854	ug/L #	86

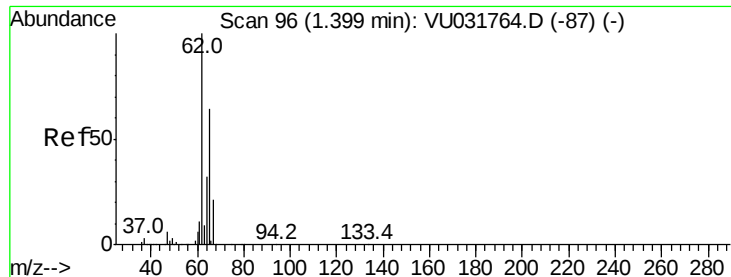
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.331 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

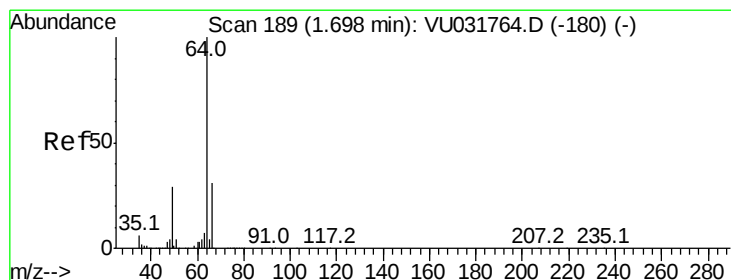
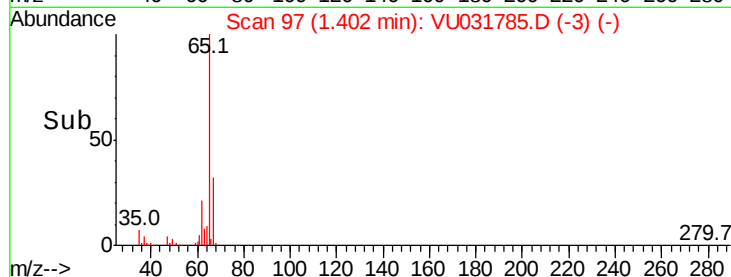
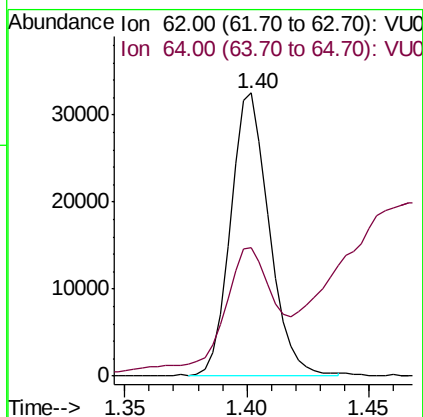
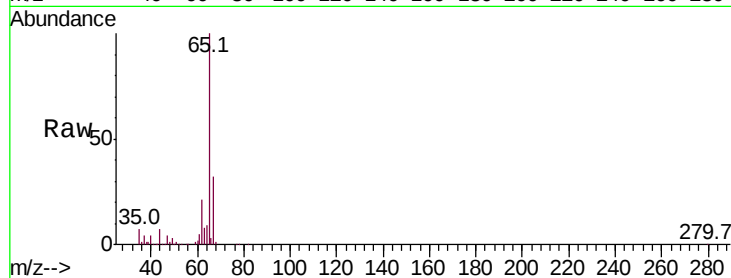
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 35399

Ion Ratio Lower Upper

62 100

64 45.5 23.1 42.9#



#8

Chloroethane

Concen: 4.636 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.30 min

Lab File: VU031785.D

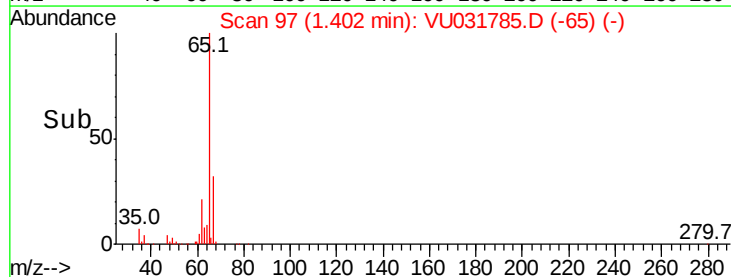
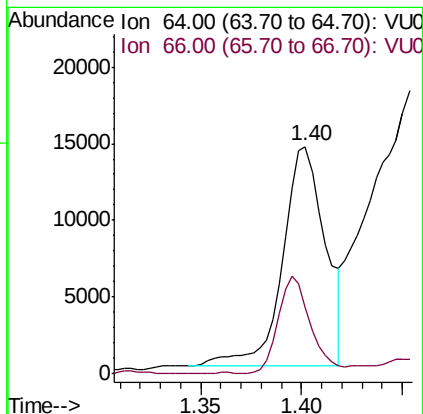
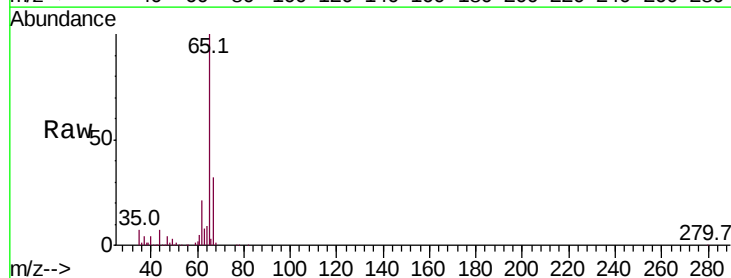
Acq: 06 May 2019 17:30

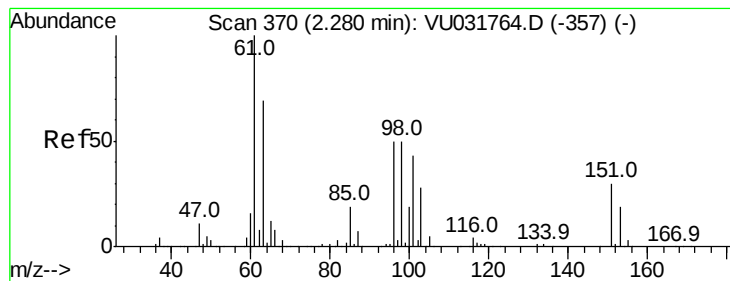
Tgt Ion: 64 Resp: 20713

Ion Ratio Lower Upper

64 100

66 29.5 23.2 43.0





#12

1,1-Dichloroethene

Concen: 0.770 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

Instrument :
MSVOA_U
ClientSampleId :

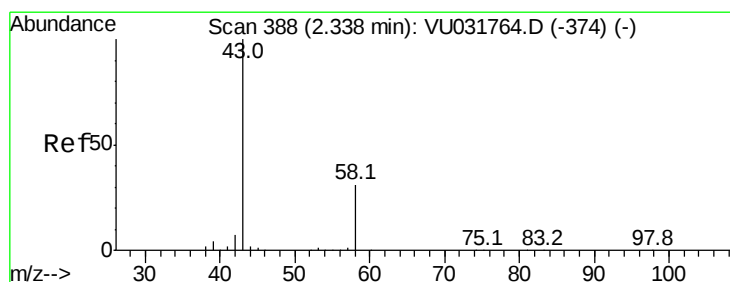
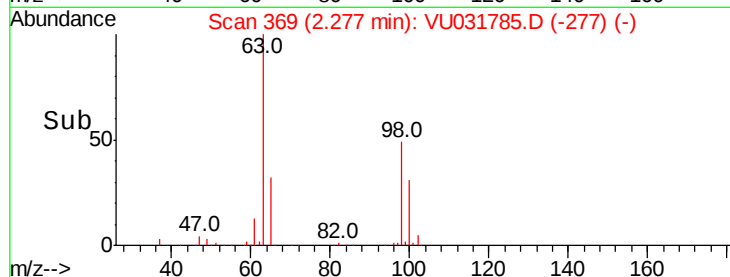
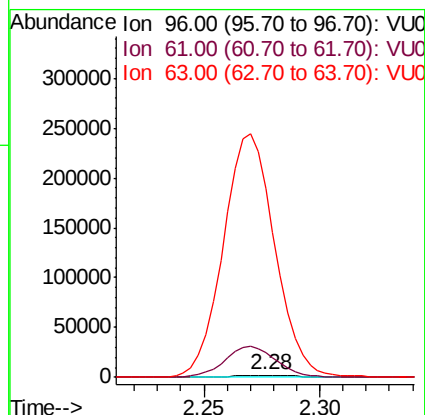
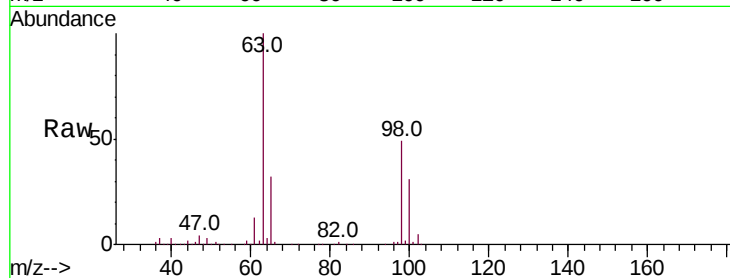
Tot Ion: 96 Resp: 3948

Ion Ratio Lower Upper

96 100

61 1088.8 135.0 250.6#

63 8456.3 103.5 192.3#



#13

Acetone

Concen: 7.600 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU031785.D

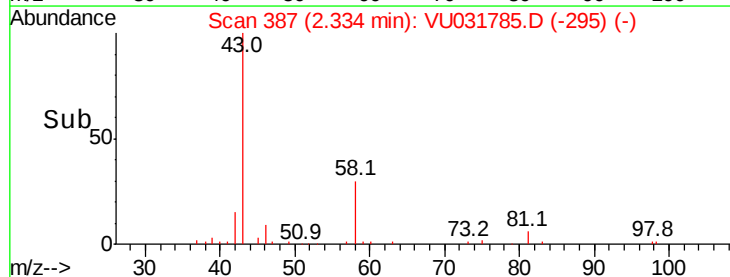
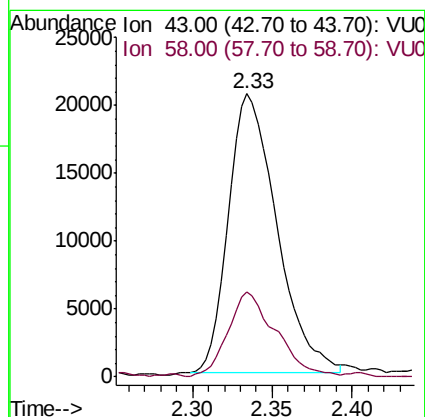
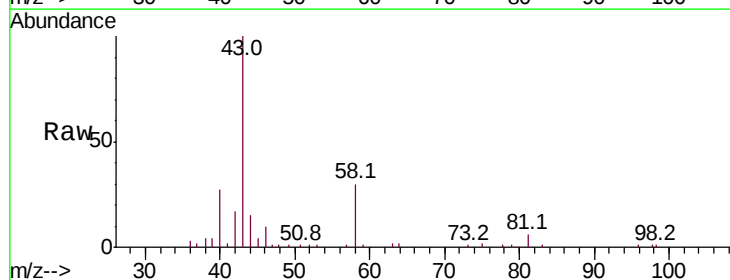
Acq: 06 May 2019 17:30

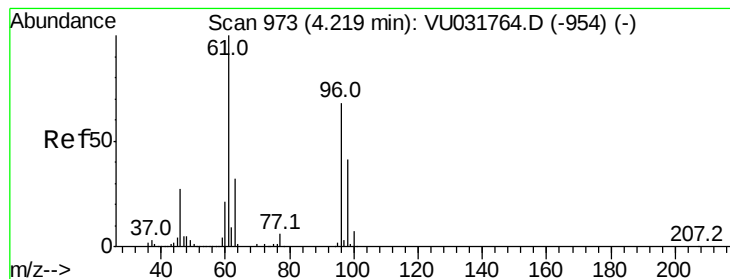
Tgt Ion: 43 Resp: 42656

Ion Ratio Lower Upper

43 100

58 30.1 0.0 64.4





#20

cis-1,2-Dichloroethene

Concen: 24.224 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

Instrument :
MSVOA_U
ClientSampleId :

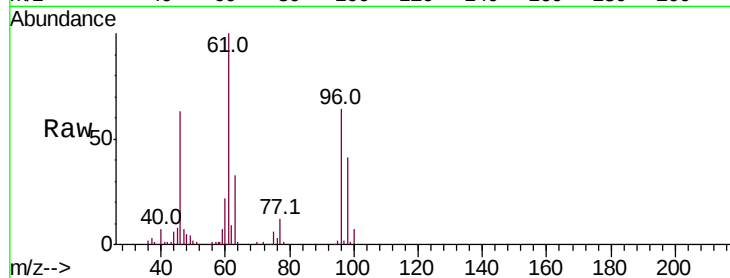
Tot Ion: 96 Resp: 138809

Ion Ratio Lower Upper

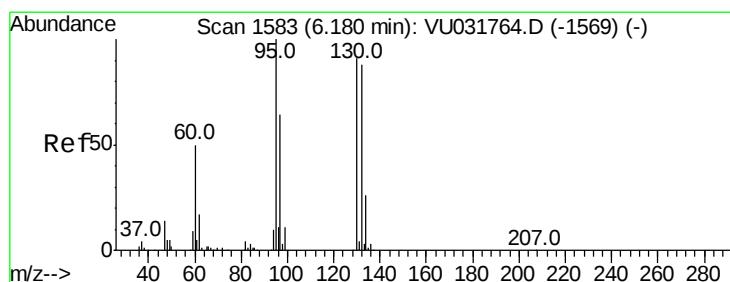
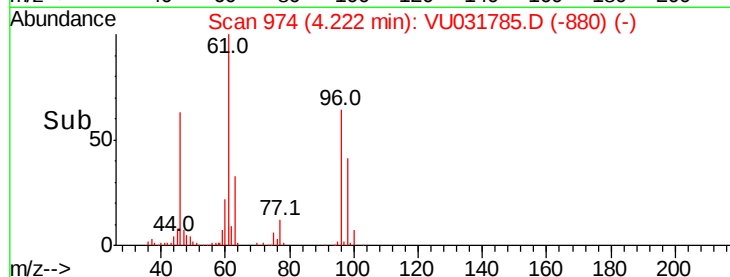
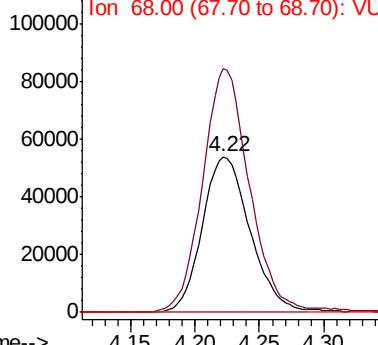
96 100

61 156.2 99.5 184.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene

Concen: 4.006 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

Tgt Ion: 95 Resp: 22509

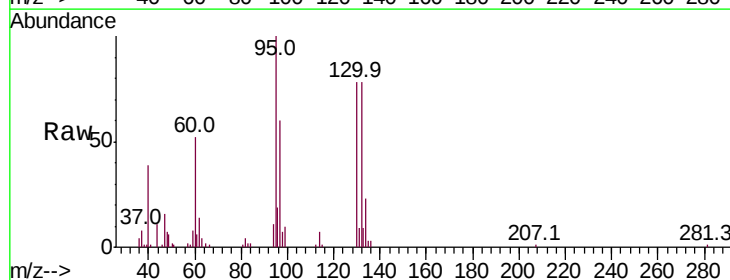
Ion Ratio Lower Upper

95 100

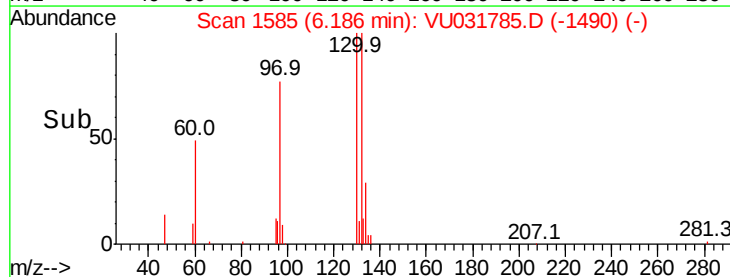
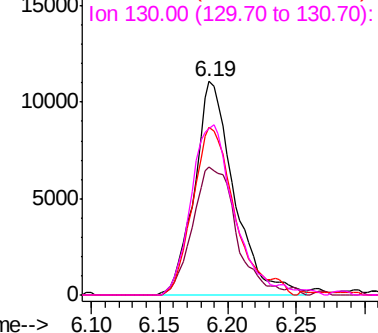
97 60.1 44.8 83.2

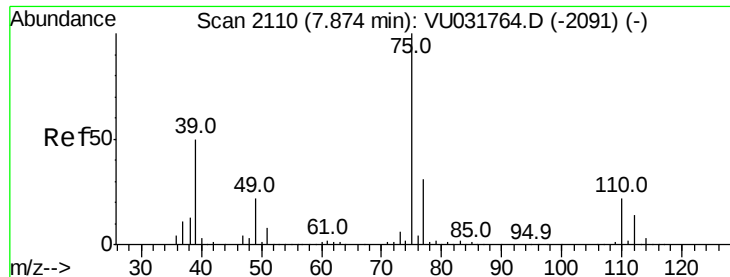
132 78.3 63.1 117.1

130 78.2 66.5 123.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.693 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

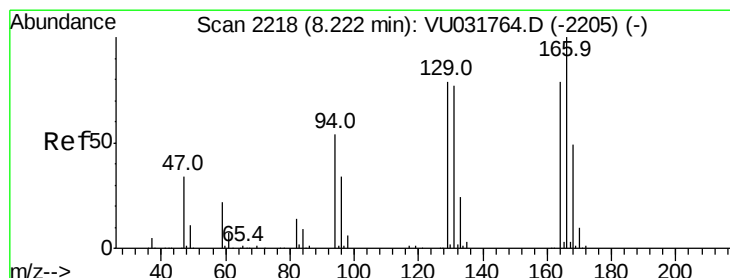
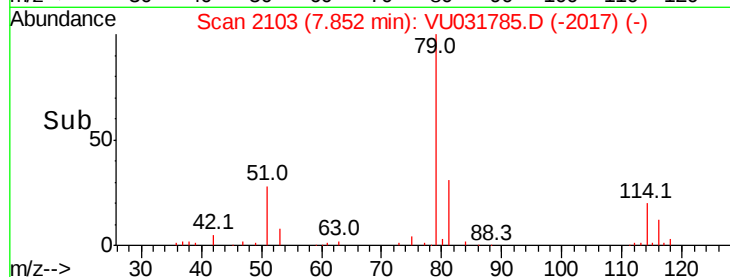
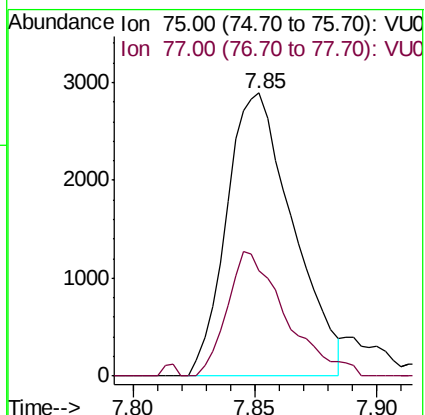
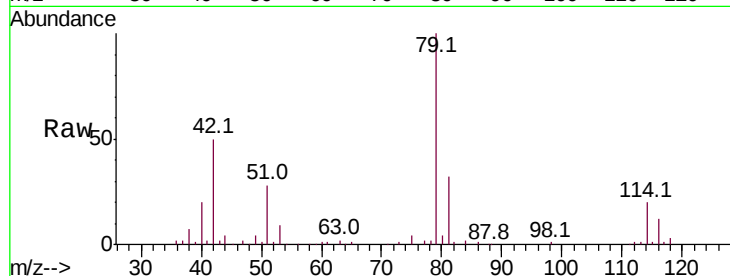
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 5463

Ion Ratio Lower Upper

75 100

77 37.2 22.1 41.1



#46

Tetrachloroethene

Concen: 8.326 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031785.D

Acq: 06 May 2019 17:30

Tgt Ion:164 Resp: 31891

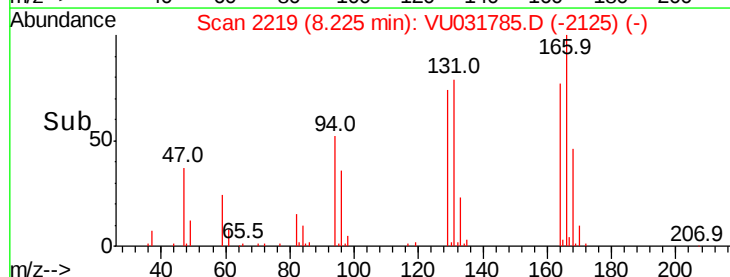
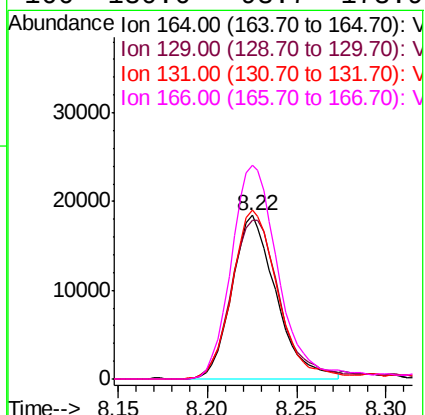
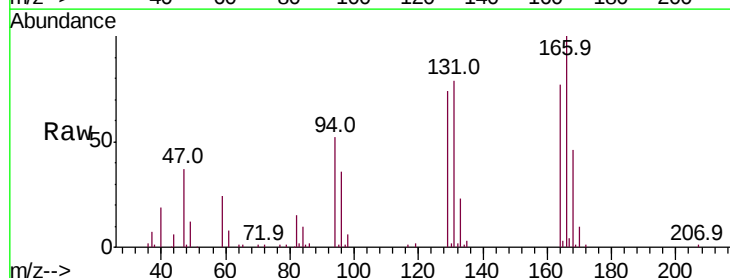
Ion Ratio Lower Upper

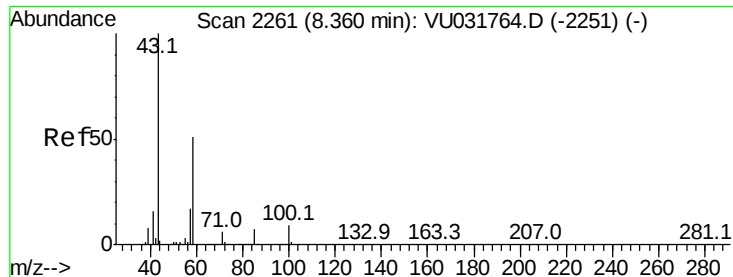
164 100

129 97.2 71.5 132.9

131 103.7 69.0 128.2

166 130.6 93.7 173.9





#48
 2-Hexanone
 Concen: 2.854 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU031785.D
 Acq: 06 May 2019 17:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	42.1	63.1
57	0.0	14.6	22.0#
100	2.1	7.2	10.8#

