

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035347.D
 Acq On : 22 Oct 2019 02:17
 Operator : JC/SP
 Sample : K5458-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0K32

Quant Time: Oct 22 08:14:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 06:40:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	282799	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	95797	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	117653	6.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.40%#
7) Chloroethane-d5	1.94	69	104669	6.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	132.80%#
11) 1,1-Dichloroethene-d2	2.60	63	291427	9.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	182.80%#
20) 2-Butanone-d5	4.70	46	273183	55.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.26%
24) Chloroform-d	5.11	84	192056	6.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.00%
26) 1,2-Dichloroethane-d4	5.75	65	105293	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
32) Benzene-d6	5.77	84	397335	6.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.20%
36) 1,2-Dichloropropane-d6	6.74	67	124798	6.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.00%
41) Toluene-d8	7.93	98	353717	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.80%
43) trans-1,3-Dichloropropene-	8.22	79	46177	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.69	63	205379	46.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.78%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100200	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	105768	6.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.20%#

Target Compounds

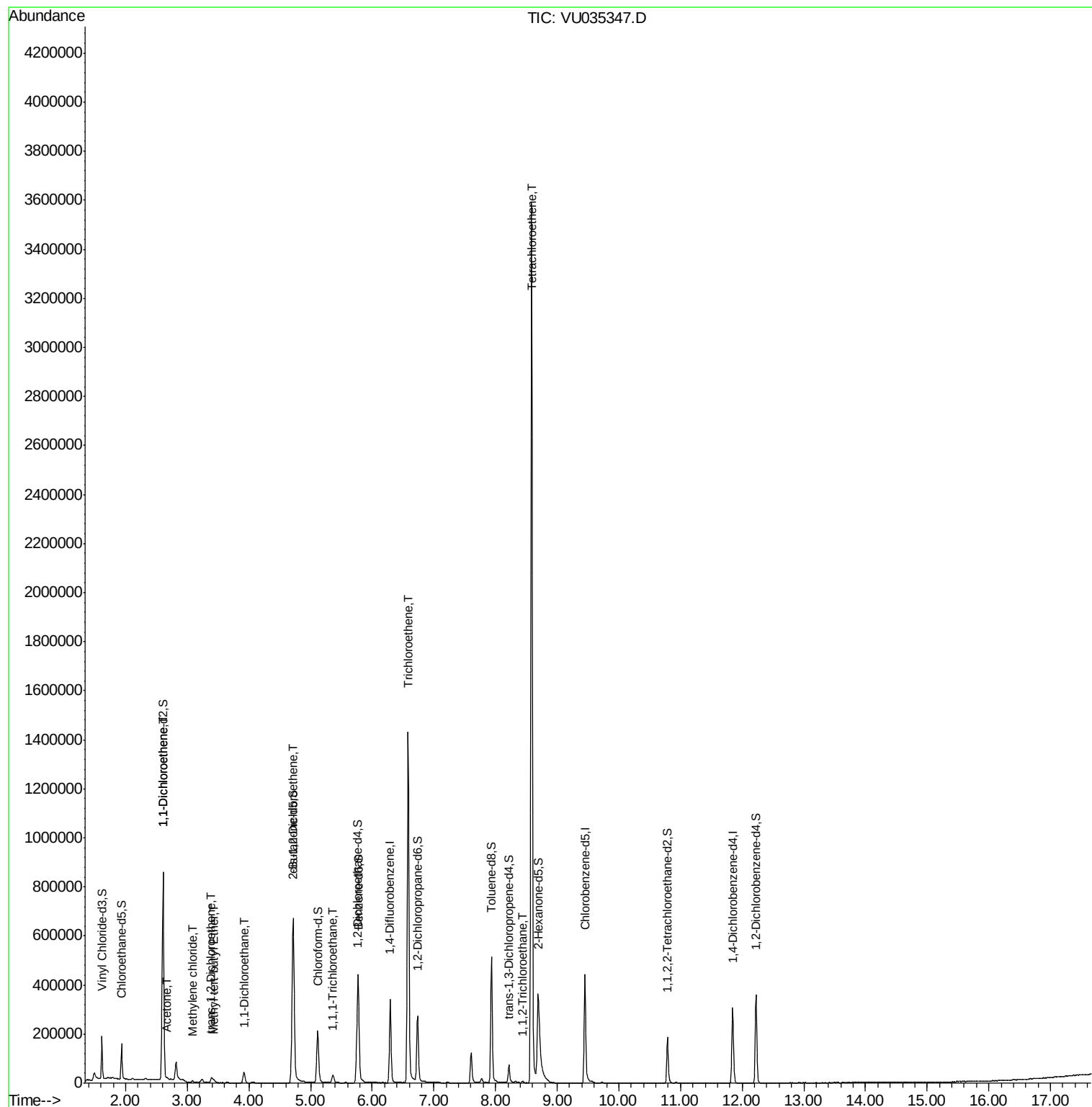
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	234393	12.902	ug/L #	83
13) Acetone	2.67	43	4960	1.439	ug/L	78
16) Methylene chloride	3.08	84	2894	0.132	ug/L	95
17) Methyl tert-butyl Ether	3.43	73	13510	0.276	ug/L #	90
18) trans-1,2-Dichloroethene	3.39	96	8089	0.413	ug/L	85
19) 1,1-Dichloroethane	3.92	63	49598	1.399	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	301984	13.935	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	22938	0.695	ug/L	99
34) Trichloroethene	6.58	95	500201	22.435	ug/L	96
45) 1,1,2-Trichloroethane	8.44	97	2813	0.180	ug/L	91
47) Tetrachloroethene	8.58	164	822989	44.308	ug/L	99

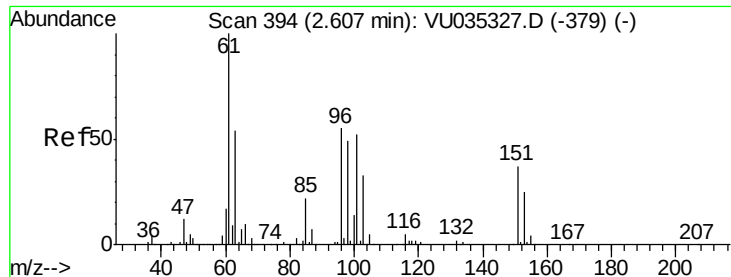
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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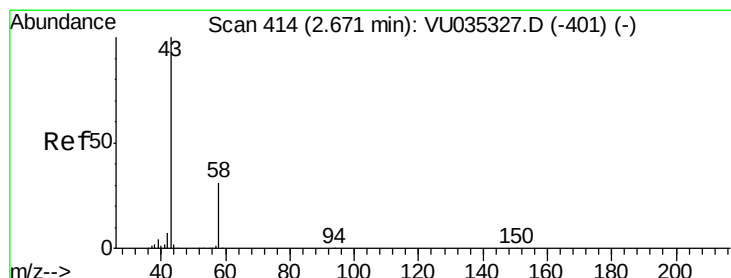
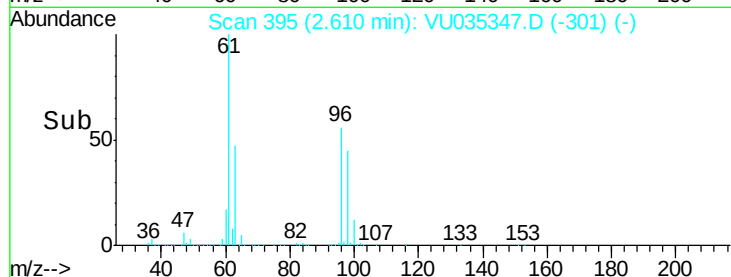
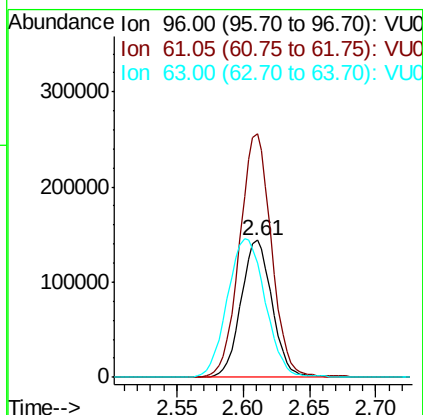
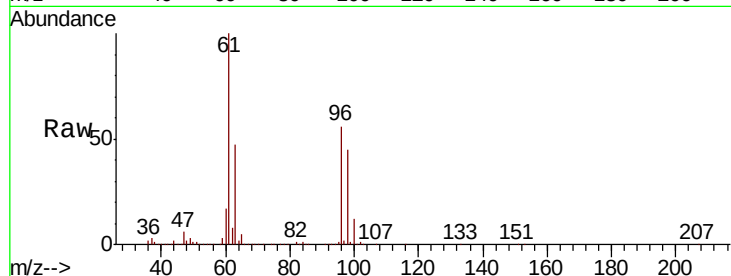




#12
 1,1-Dichloroethene
 Concen: 12.902 ug/L
 RT: 2.61 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: VU035347.D
 Acq: 22 Oct 2019 02:17

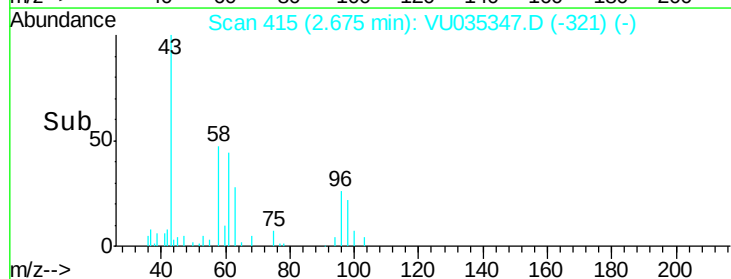
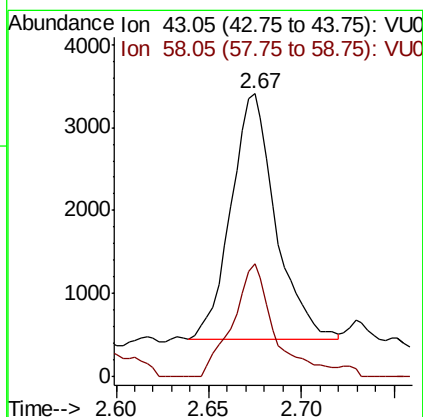
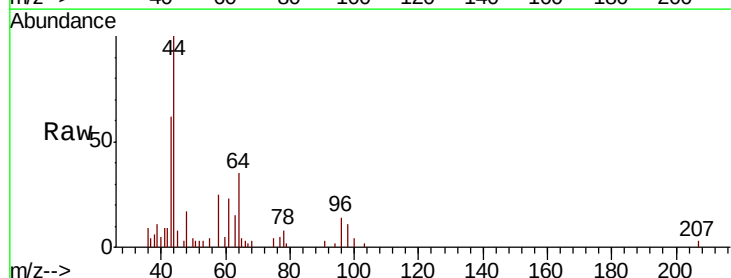
Instrument :
 MSVOA_U
 ClientSampleId :
 C0K32

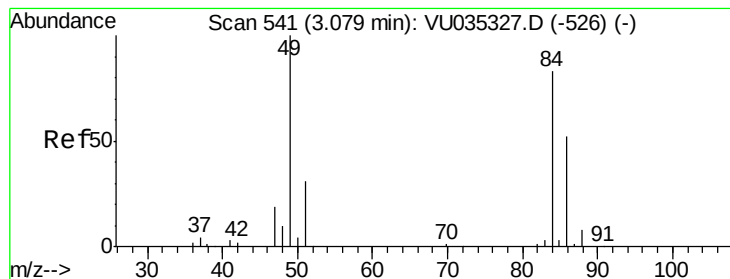
Tot Ion	Ratio	Lower	Upper
96	100		
61	177.6	120.6	224.0
63	83.7	86.8	161.2#



#13
 Acetone
 Concen: 1.439 ug/L
 RT: 2.67 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VU035347.D
 Acq: 22 Oct 2019 02:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.8	0.0	61.8





#16

Methylene chloride

Concen: 0.132 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

Instrument :

MSVOA_U

ClientSampled :

C0K32

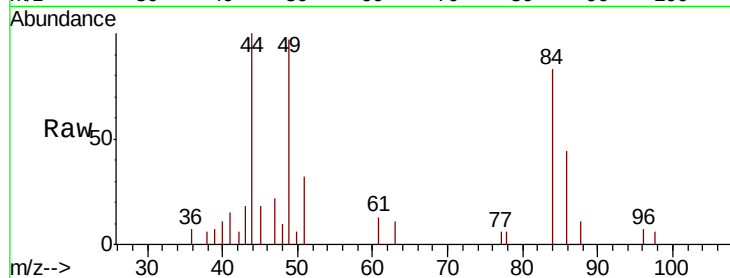
Tot Ion: 84 Resp: 2894

Ion Ratio Lower Upper

84 100

86 52.8 45.4 84.2

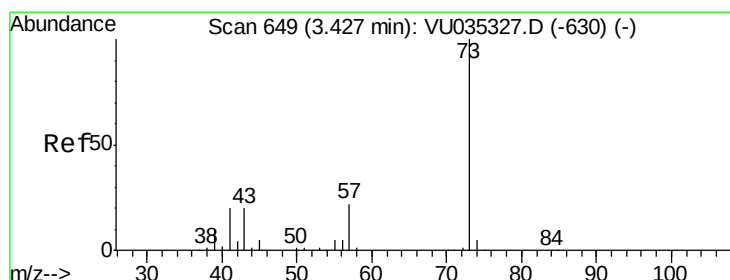
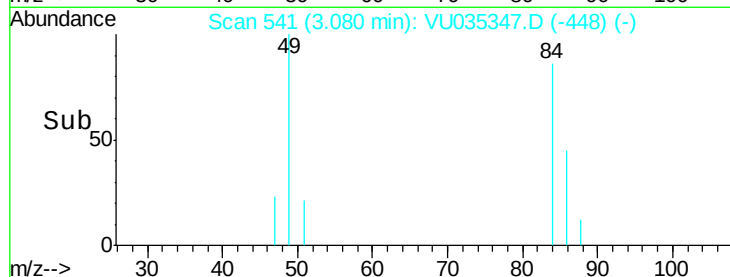
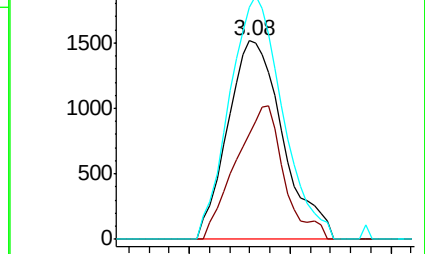
49 123.6 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU035347.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035347.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035347.D (-448) (-)



#17

Methyl tert-butyl Ether

Concen: 0.276 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

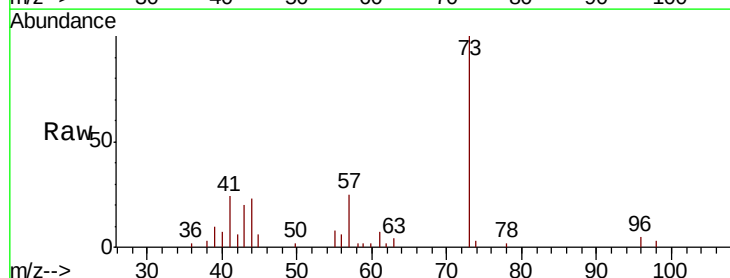
Tgt Ion: 73 Resp: 13510

Ion Ratio Lower Upper

73 100

43 26.5 16.0 24.0#

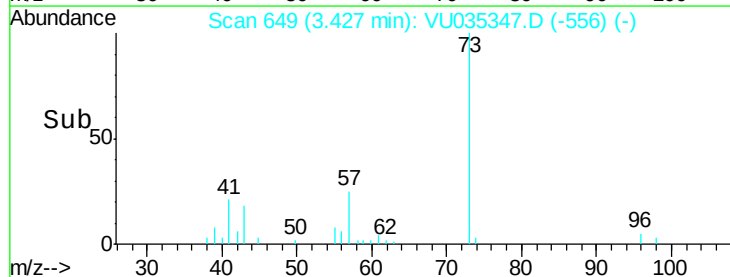
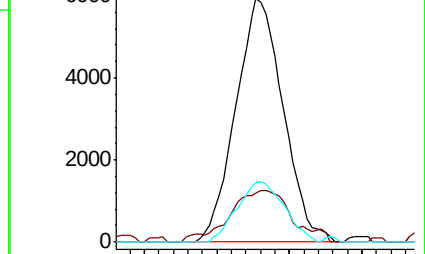
57 24.6 17.4 26.2

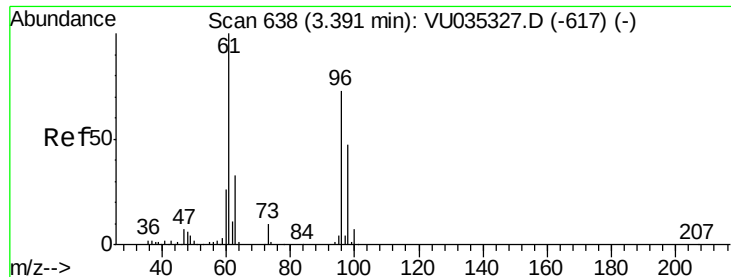


Abundance Ion 73.10 (72.80 to 73.80): VU035347.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035347.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035347.D (-556) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.413 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0K32

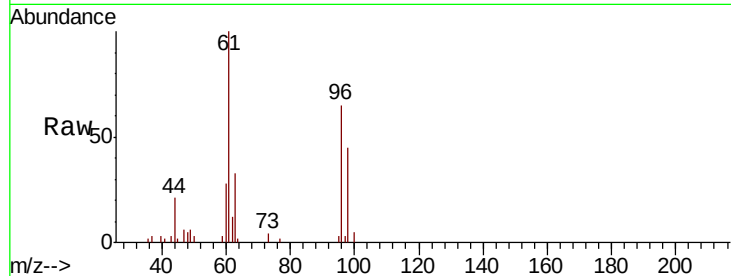
Tot Ion: 96 Resp: 8089

Ion Ratio Lower Upper

96 100

61 154.2 93.0 172.6

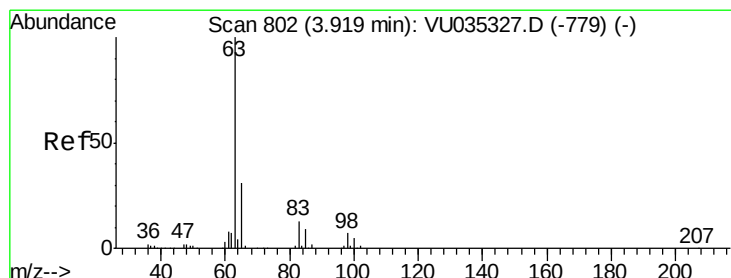
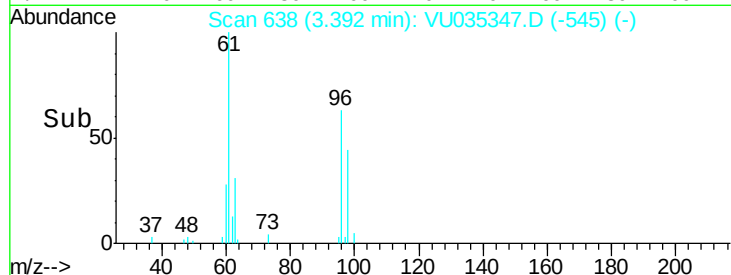
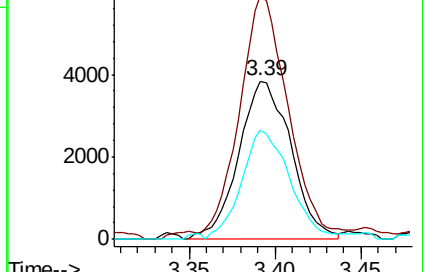
98 69.5 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035347.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035347.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035347.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.399 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

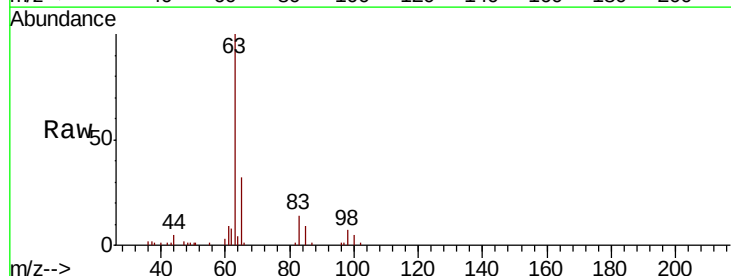
Tgt Ion: 63 Resp: 49598

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

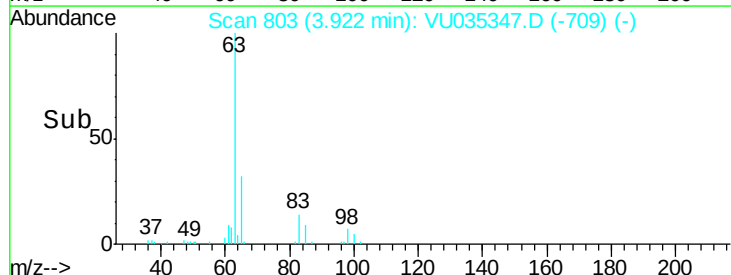
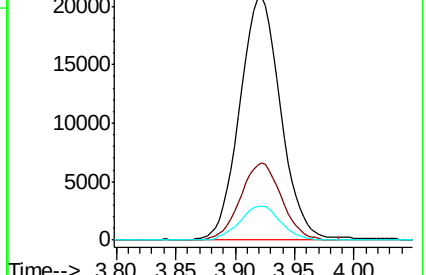
83 13.8 9.3 17.3

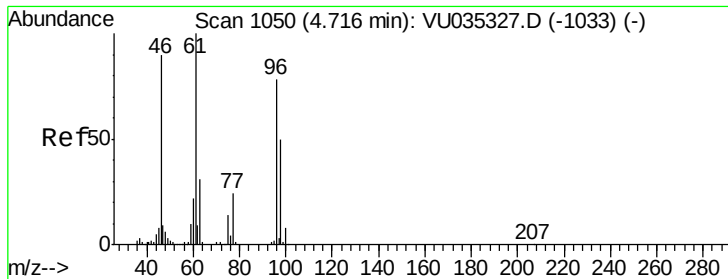


Abundance Ion 63.10 (62.80 to 63.80): VU035347.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035347.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035347.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 13.935 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0K32

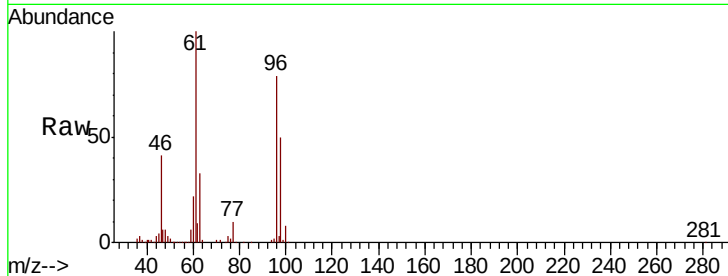
Tot Ion: 96 Resp: 301984

Ion Ratio Lower Upper

96 100

61 127.0 89.7 166.5

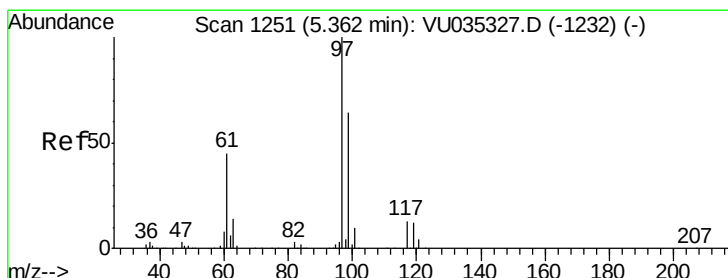
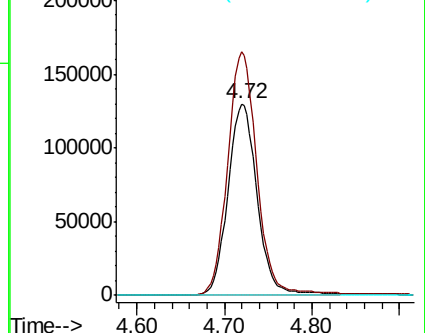
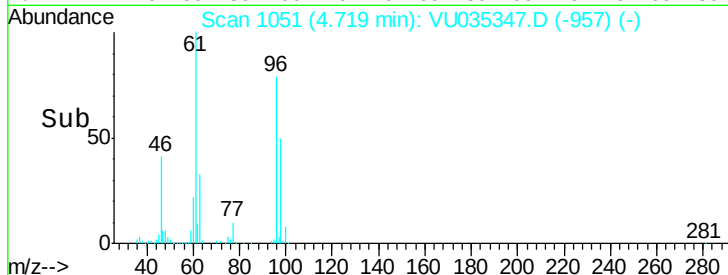
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035347.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035347.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035347.D (-957) (-)



#29

1,1,1-Trichloroethane

Concen: 0.695 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

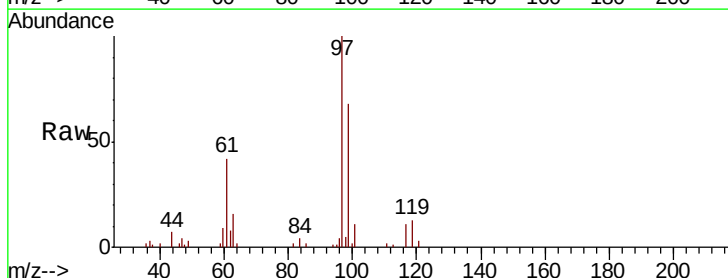
Tgt Ion: 97 Resp: 22938

Ion Ratio Lower Upper

97 100

99 64.9 52.6 79.0

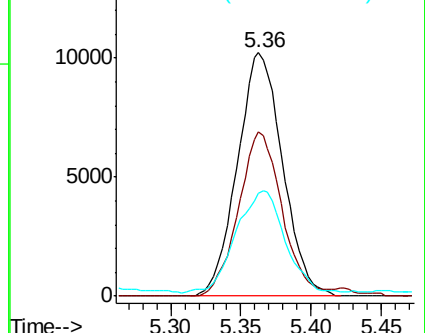
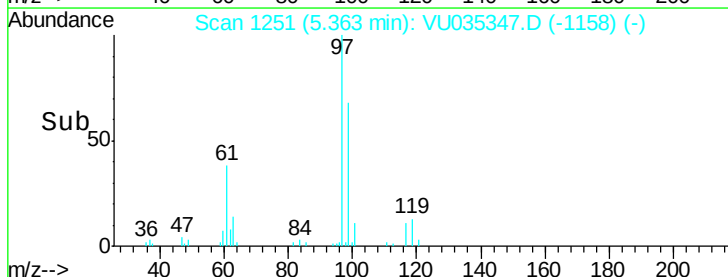
61 45.2 37.0 55.4

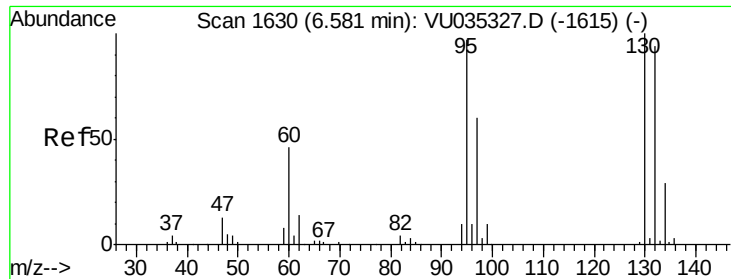


Abundance Ion 96.95 (96.65 to 97.65): VU035347.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035347.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035347.D (-1158) (-)





#34

Trichloroethene

Concen: 22.435 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0K32

Tot Ion: 95 Resp: 500201

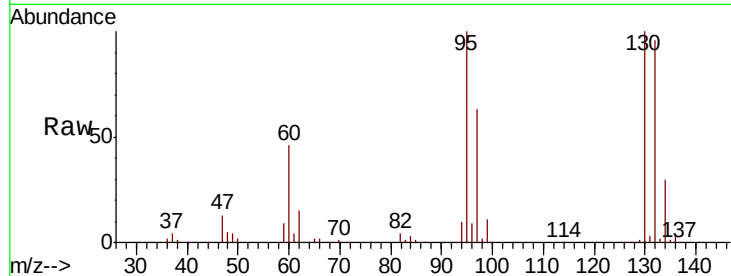
Ion Ratio Lower Upper

95 100

97 62.7 46.6 86.6

132 96.2 68.7 127.7

130 100.1 73.9 137.3

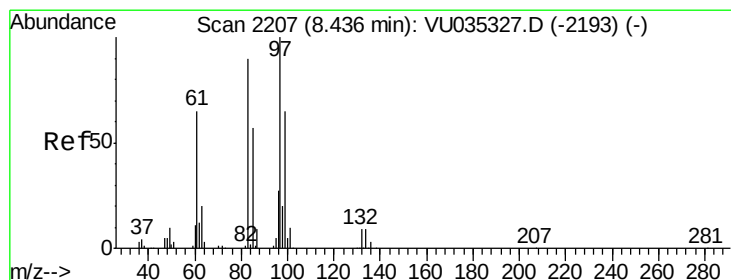
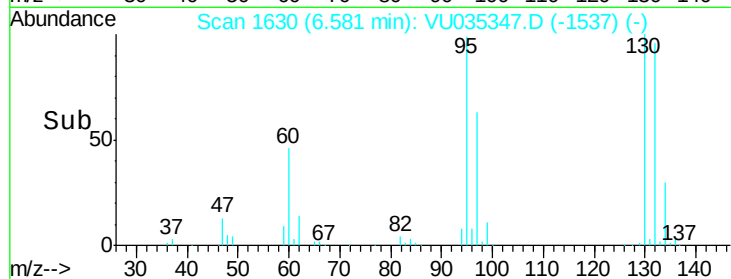
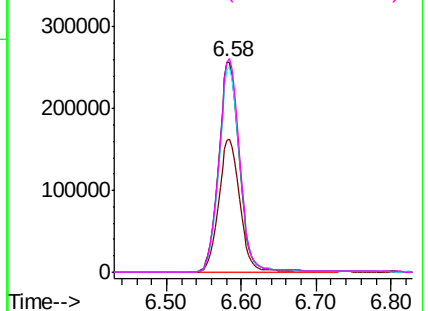


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#45

1,1,2-Trichloroethane

Concen: 0.180 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VU035347.D

Acq: 22 Oct 2019 02:17

Tgt Ion: 97 Resp: 2813

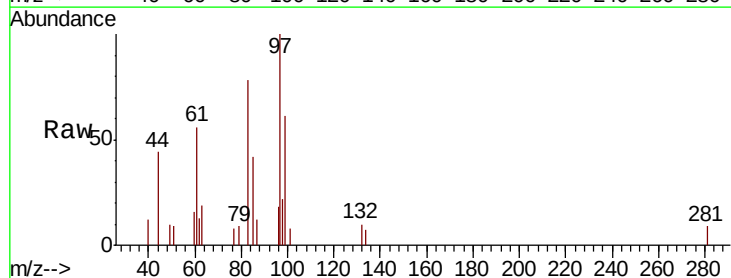
Ion Ratio Lower Upper

97 100

99 60.7 42.9 79.7

83 77.8 60.4 112.2

85 42.2 38.4 71.2

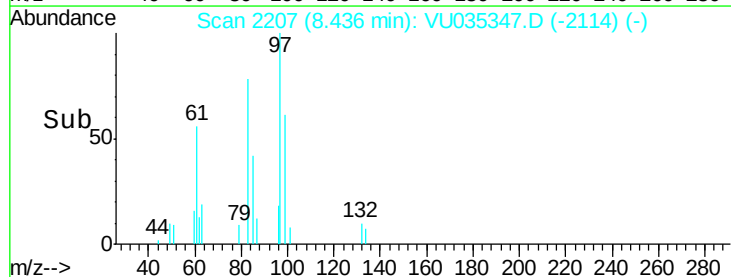
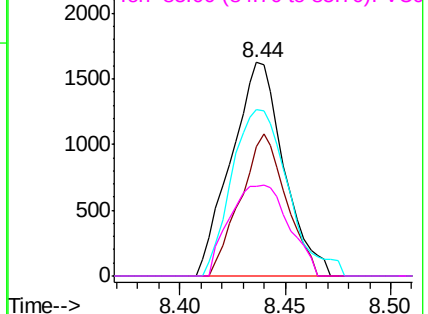


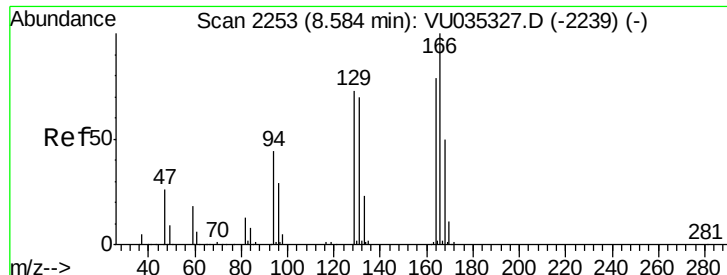
Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 44.308 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035347.D

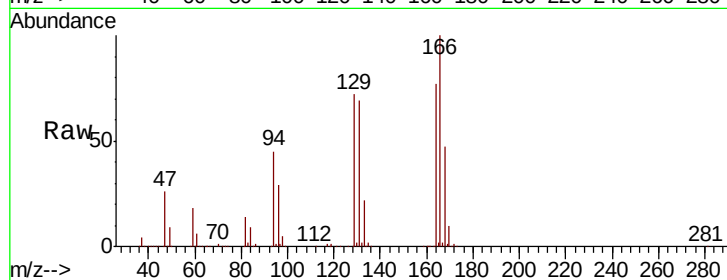
Acq: 22 Oct 2019 02:17

Instrument :

MSVOA_U

ClientSampleId :

C0K32



Tot Ion:164 Resp: 822989

Ion Ratio Lower Upper

164 100

129 93.5 65.2 121.0

131 89.5 62.9 116.9

166 129.4 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

