

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035768.D
 Acq On : 19 Nov 2019 14:03
 Operator : JC/SP
 Sample : K5930-07 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AA7

Quant Time: Nov 20 02:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	191294	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	217543	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76944	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	78558	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.94	69	78115	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.60	63	121285	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	4.70	46	233948	53.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.62%
24) Chloroform-d	5.12	84	156930	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.75	65	84943	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.77	84	316932	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.74	67	107782	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.93	98	247425	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	8.22	79	34774	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.70	63	160151	46.21	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.42%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	89645	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	77970	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

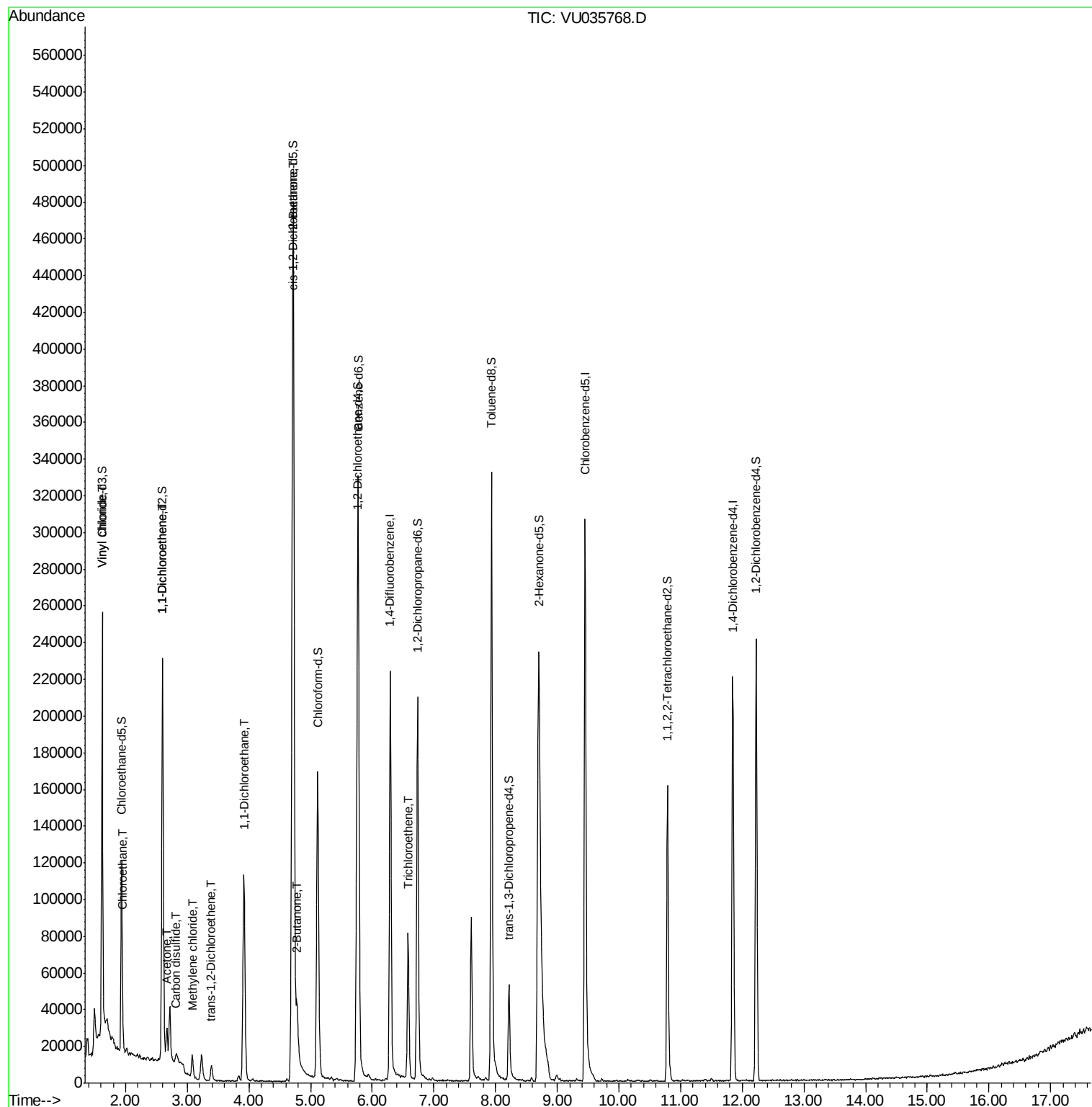
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	93133	3.829	ug/L #	74
8) Chloroethane	1.95	64	6836	0.490	ug/L #	73
12) 1,1-Dichloroethene	2.61	96	29406	1.748	ug/L #	50
13) Acetone	2.67	43	20539	6.553	ug/L	100
14) Carbon disulfide	2.82	76	7068	0.130	ug/L #	81
16) Methylene chloride	3.08	84	5534	0.277	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	3846	0.222	ug/L	84
19) 1,1-Dichloroethane	3.92	63	132186	4.110	ug/L	99
21) 2-Butanone	4.78	43	37755	8.112	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	218013	11.398	ug/L	98
34) Trichloroethene	6.58	95	27618	1.410	ug/L	96

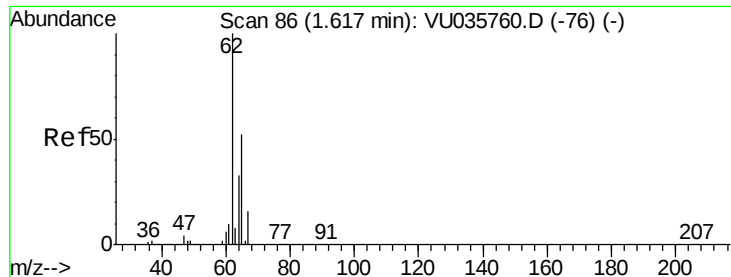
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.829 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

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Acq: 19 Nov 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

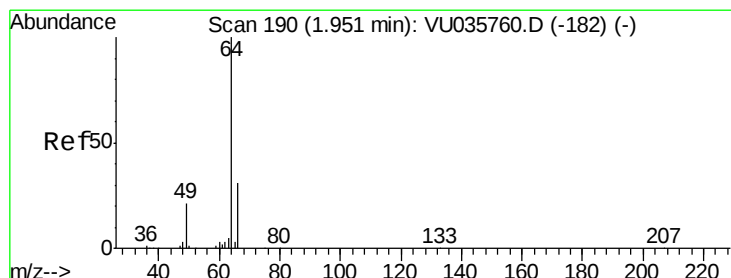
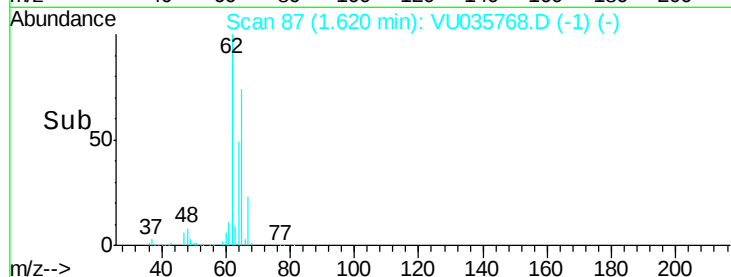
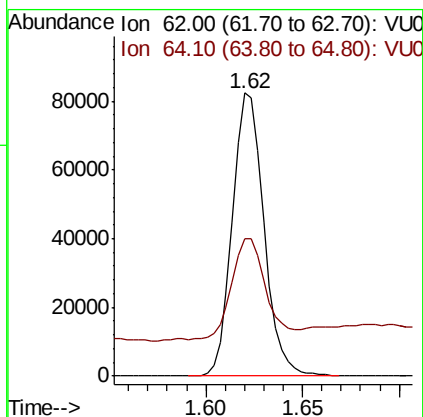
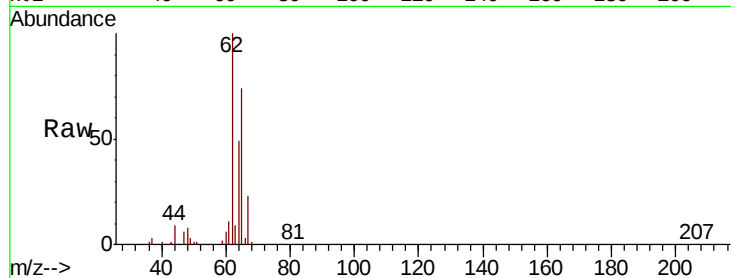
B0AA7

Tot Ion: 62 Resp: 93133

Ion Ratio Lower Upper

62 100

64 48.6 23.5 43.7#



#8

Chloroethane

Concen: 0.490 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035768.D

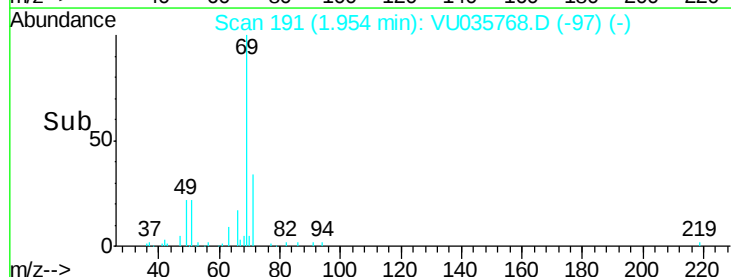
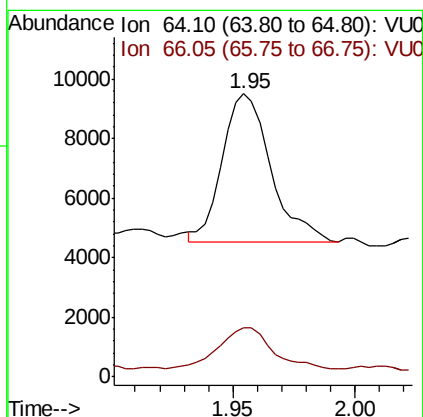
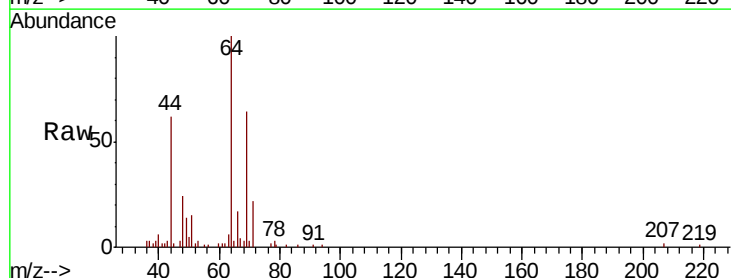
Acq: 19 Nov 2019 14:03

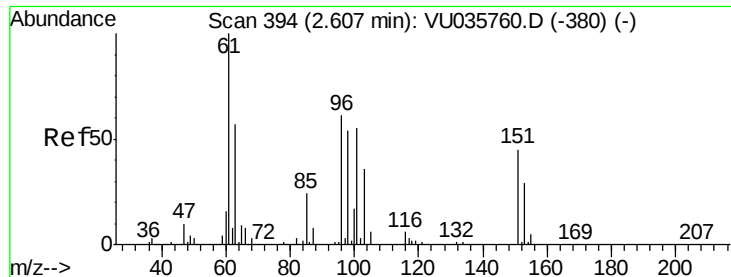
Tgt Ion: 64 Resp: 6836

Ion Ratio Lower Upper

64 100

66 17.3 22.5 41.7#





#12

1,1-Dichloroethene

Concen: 1.748 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

B0AA7

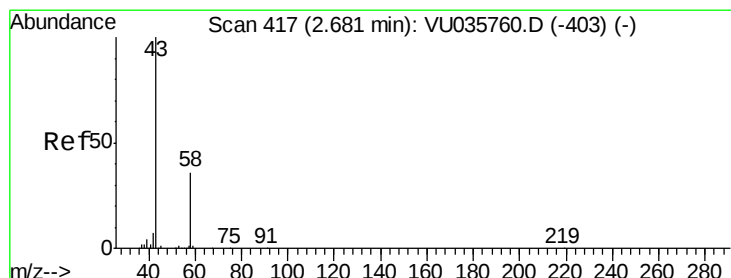
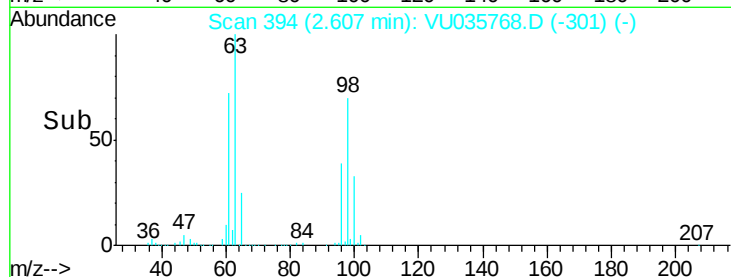
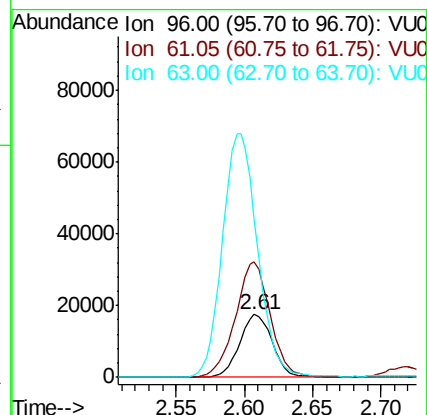
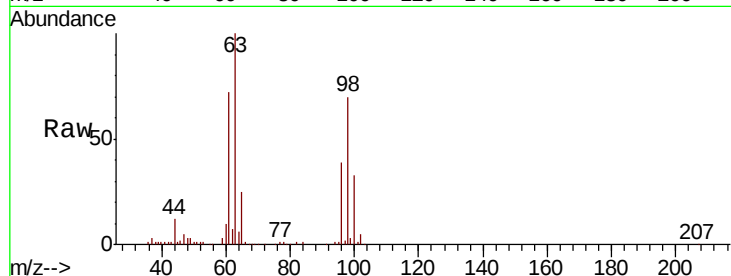
Tot Ion: 96 Resp: 29406

Ion Ratio Lower Upper

96 100

61 183.6 123.1 228.5

63 253.3 87.8 163.0#



#13

Acetone

Concen: 6.553 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035768.D

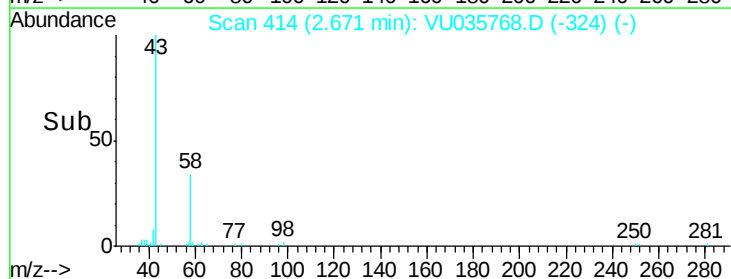
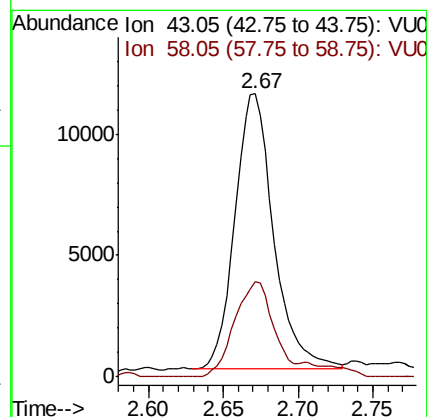
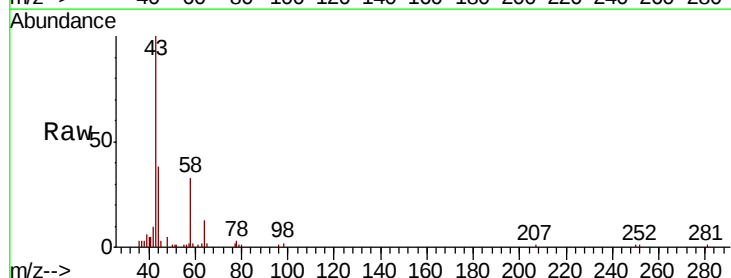
Acq: 19 Nov 2019 14:03

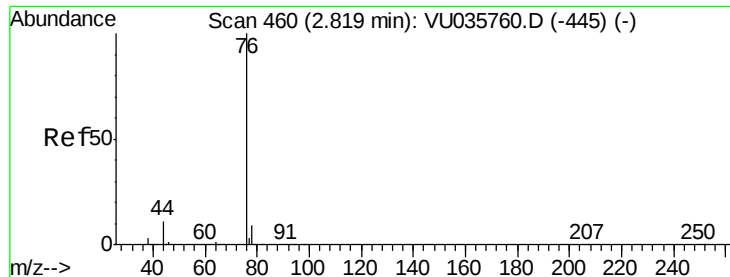
Tgt Ion: 43 Resp: 20539

Ion Ratio Lower Upper

43 100

58 35.1 0.0 69.8





#14

Carbon disulfide

Concen: 0.130 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

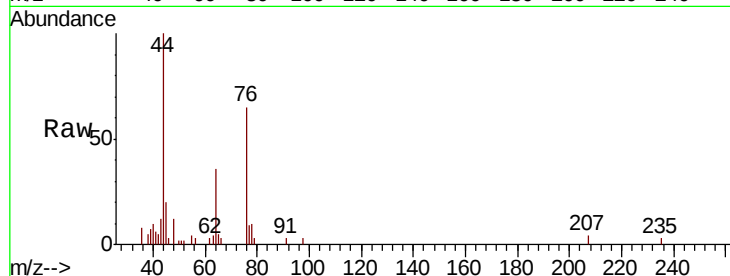
B0AA7

Tot Ion: 76 Resp: 7068

Ion Ratio Lower Upper

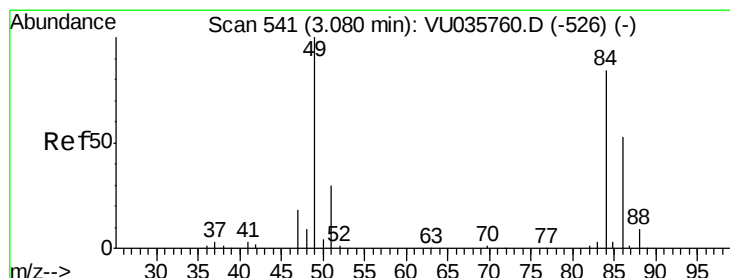
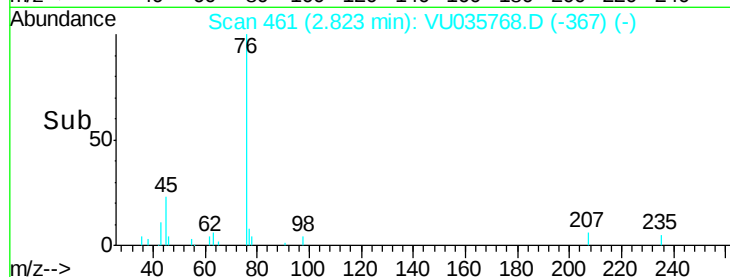
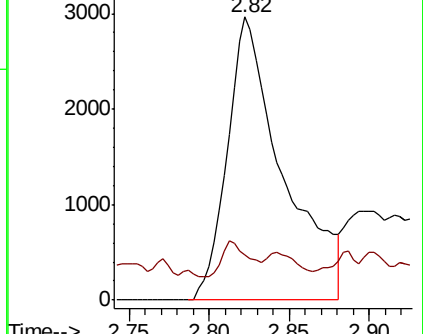
76 100

78 16.1 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU035768.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035768.D (-445) (-)



#16

Methylene chloride

Concen: 0.277 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

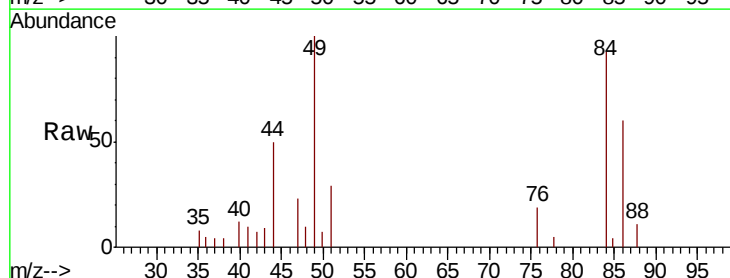
Tgt Ion: 84 Resp: 5534

Ion Ratio Lower Upper

84 100

86 64.9 45.8 85.2

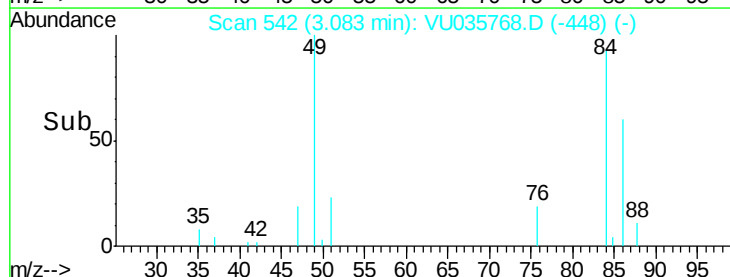
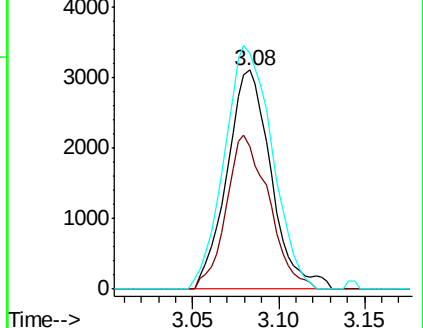
49 107.5 81.9 152.1

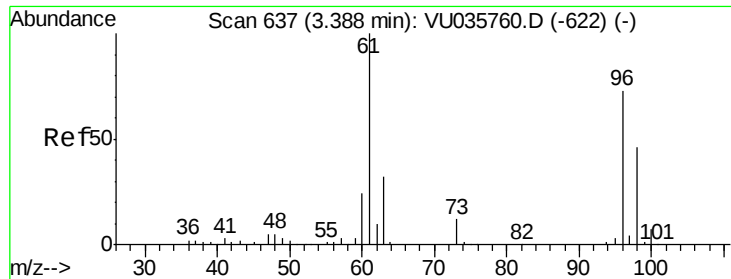


Abundance Ion 84.05 (83.75 to 84.75): VU035768.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035768.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035768.D (-526) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.222 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

B0AA7

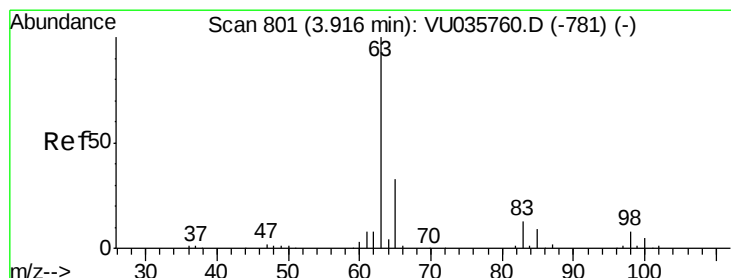
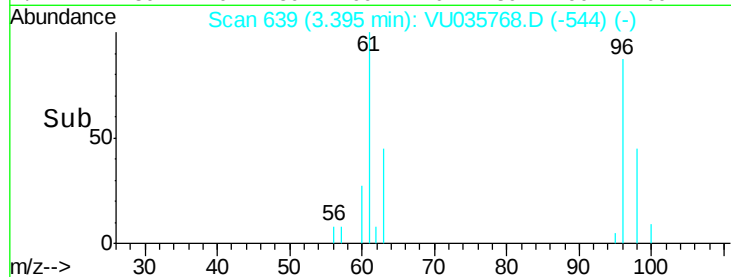
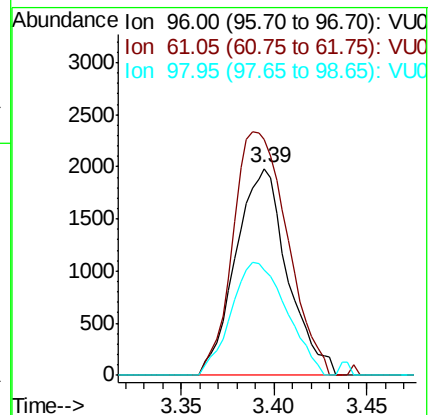
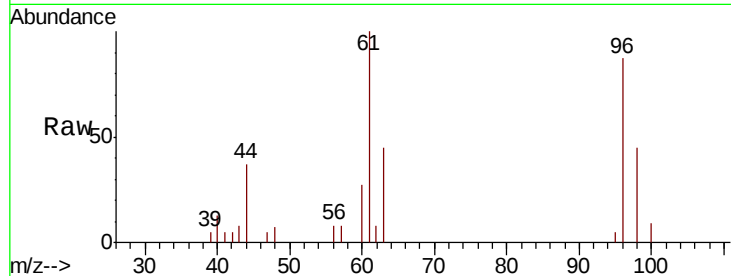
Tot Ion: 96 Resp: 3846

Ion Ratio Lower Upper

96 100

61 114.5 95.0 176.4

98 51.1 42.5 78.9



#19

1,1-Dichloroethane

Concen: 4.110 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

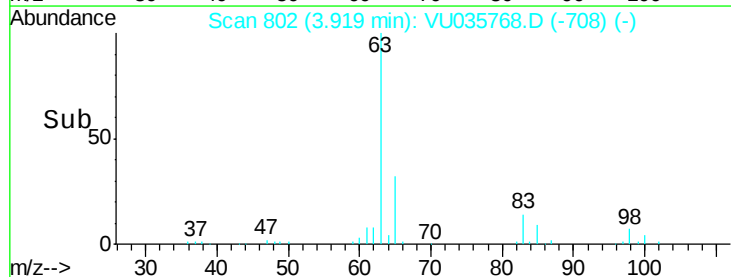
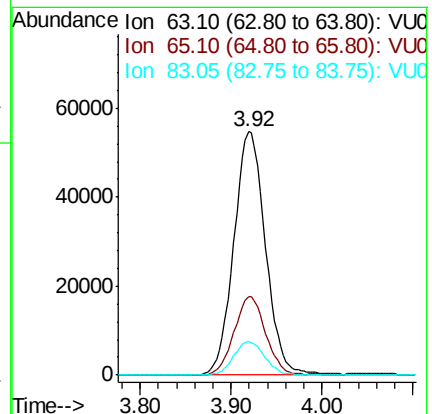
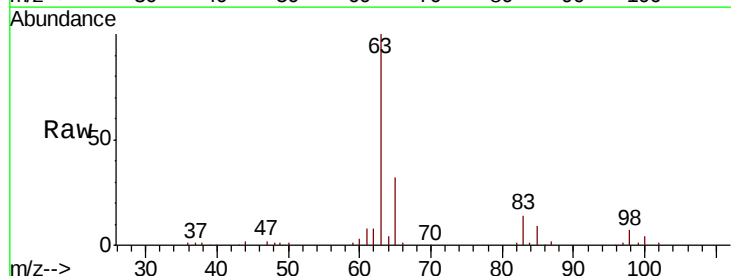
Tgt Ion: 63 Resp: 132186

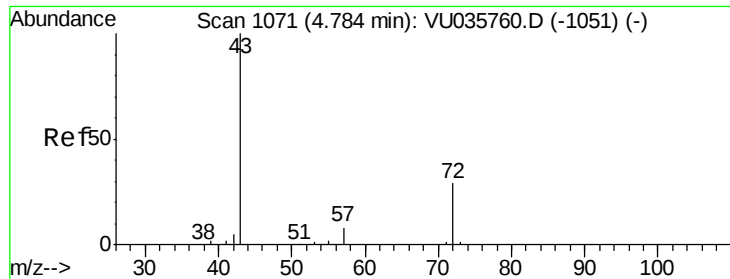
Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

83 13.6 9.3 17.3

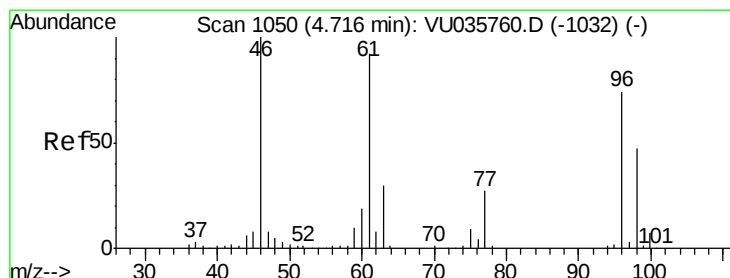
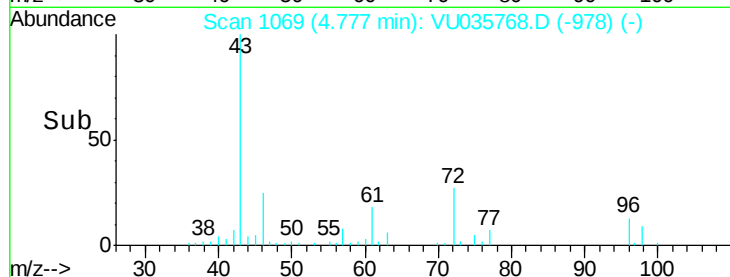
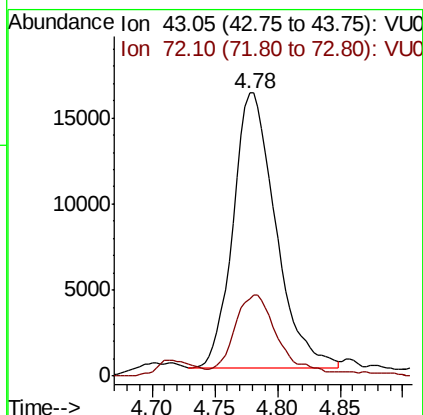
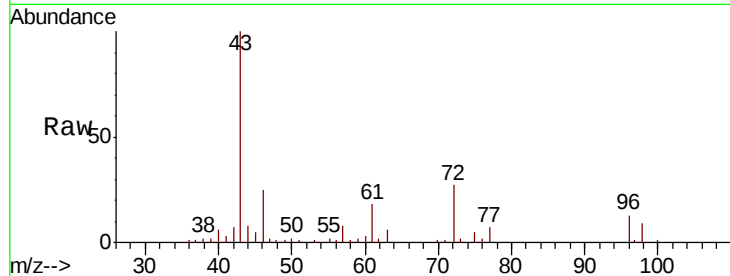




#21
2-Butanone
Concen: 8.112 ug/L
RT: 4.78 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VU035768.D
Acq: 19 Nov 2019 14:03

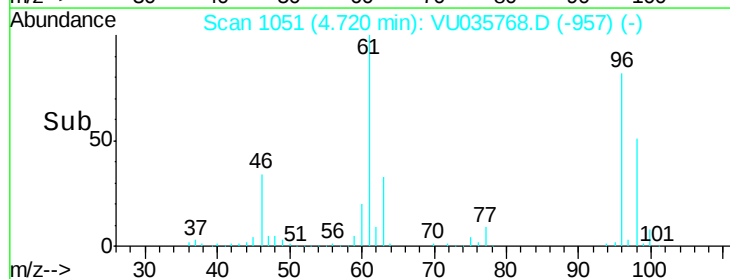
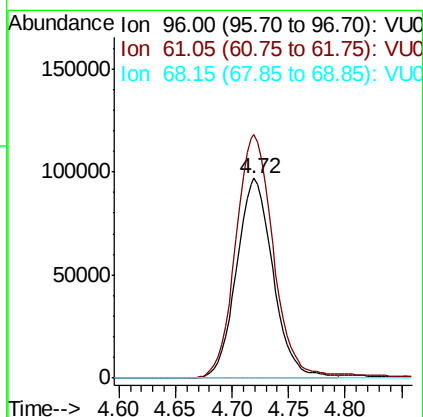
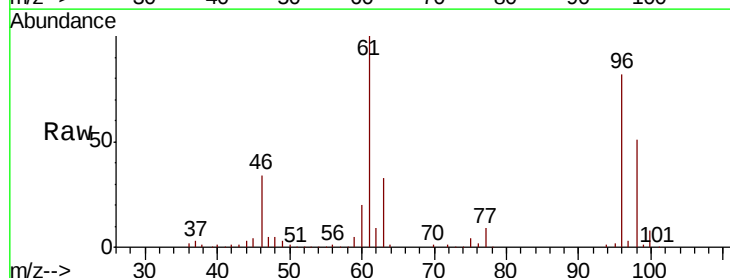
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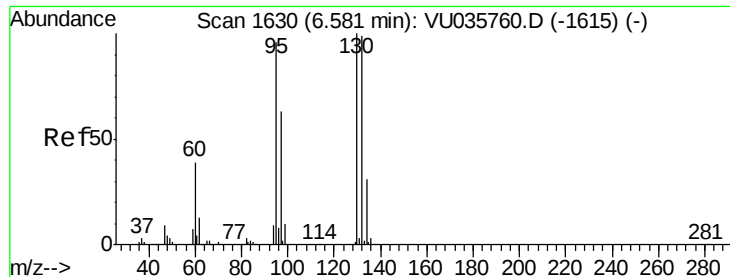
Tot Ion: 43 Resp: 37755
Ion Ratio Lower Upper
43 100
72 28.2 14.3 42.9



#22
cis-1,2-Dichloroethene
Concen: 11.398 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035768.D
Acq: 19 Nov 2019 14:03

Tgt Ion: 96 Resp: 218013
Ion Ratio Lower Upper
96 100
61 121.8 87.0 161.6
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.410 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035768.D

Acq: 19 Nov 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

B0AA7

Tot Ion: 95 Resp: 27618

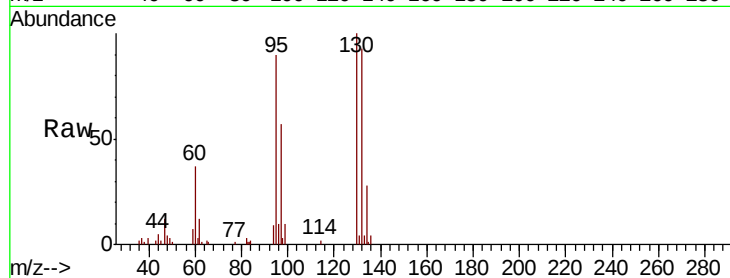
Ion Ratio Lower Upper

95 100

97 63.0 44.5 82.7

132 103.6 69.9 129.7

130 111.2 74.1 137.7



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

