

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026324.D
 Acq On : 24 Aug 2018 01:15
 Operator : MD/SY
 Sample : J4622-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 03:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	311008	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	310228	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	176447	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	128327	67.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	135.30%#
7) Chloroethane-d5	1.68	69	69916	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.27	63	127804	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.56%
21) 2-Butanone-d5	4.18	46	217266	143.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	143.51%#
24) Chloroform-d	4.65	84	193262	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
26) 1,2-Dichloroethane-d4	5.31	65	129231	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.94%
32) Benzene-d6	5.35	84	377671	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
36) 1,2-Dichloropropane-d6	6.33	67	123657	46.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.80%
41) Toluene-d8	7.57	98	342768	43.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.42%
43) trans-1,3-Dichloropropene-	7.85	79	61363	44.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.14%
47) 2-Hexanone-d5	8.31	63	145080	127.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	188162	47.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	162559	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%

Target Compounds

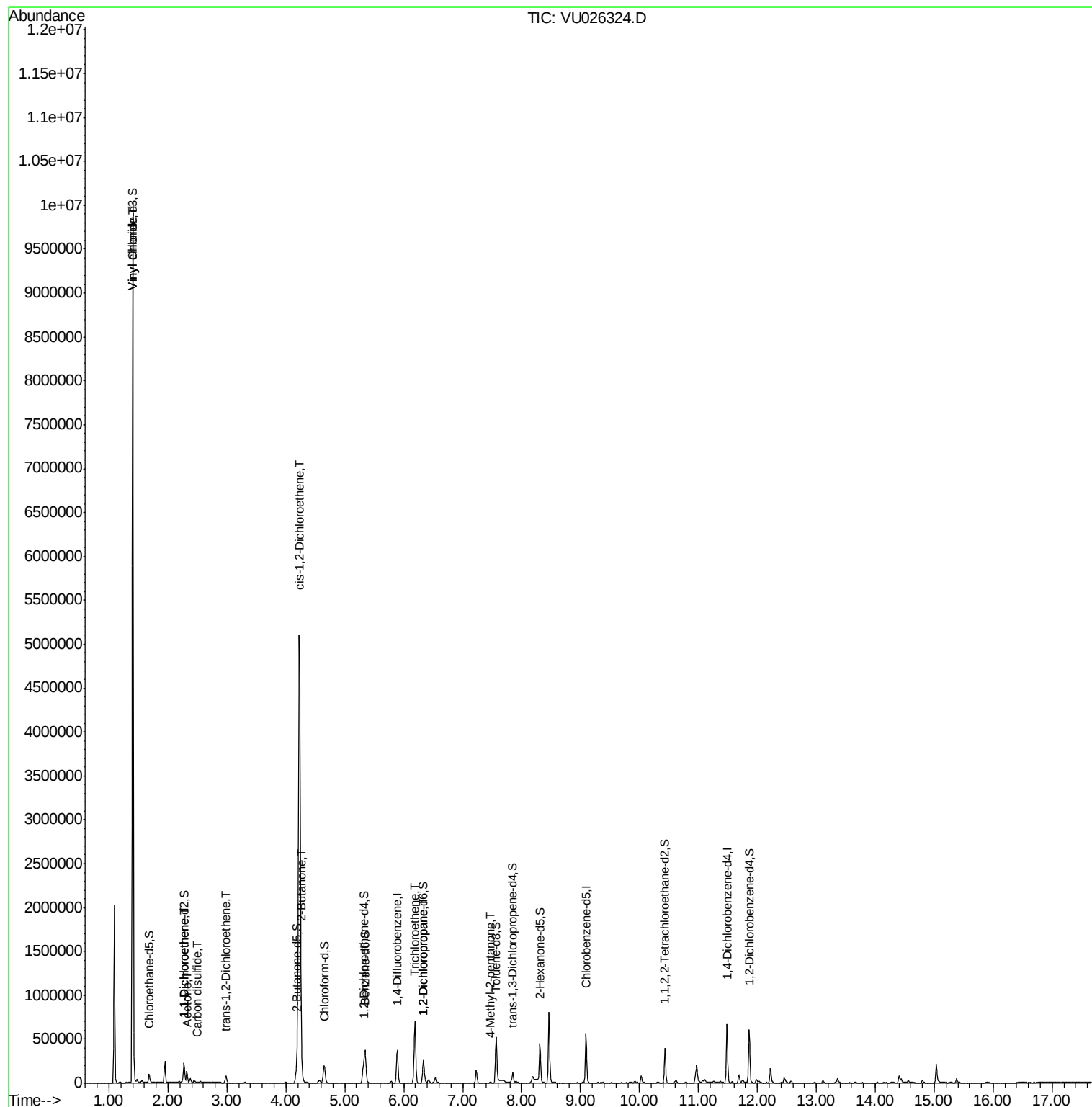
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6052300	2667.986	ug/L	96
12) 1,1-Dichloroethene	2.28	96	3053	1.865	ug/L #	1
13) Acetone	2.32	43	128907	110.014	ug/L	99
14) Carbon disulfide	2.49	76	16948	2.699	ug/L	100
17) trans-1,2-Dichloroethene	2.99	96	30050	14.894	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	2885972	1295.848	ug/L	99
22) 2-Butanone	4.27	43	202839	129.389	ug/L	98
34) Trichloroethene	6.19	95	238758	106.757	ug/L	96
37) 1,2-Dichloropropane	6.34	63	13923	6.024	ug/L #	88
40) 4-Methyl-2-pentanone	7.46	43	4446	1.518	ug/L #	92

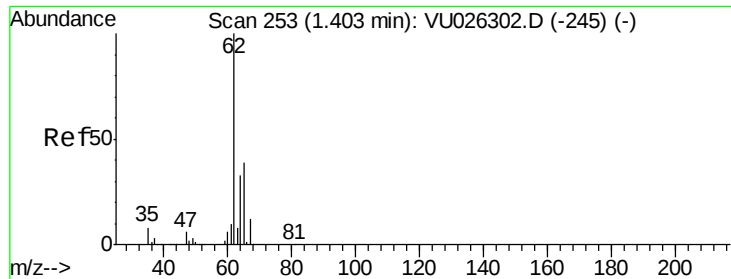
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 24 02:06:29 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2667.986 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

Instrument :

MSVOA_U

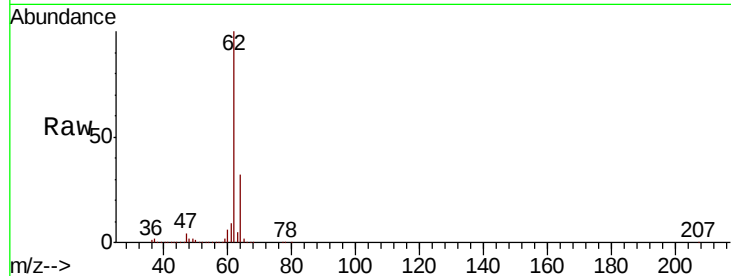
ClientSampleId :

Tot Ion: 62 Resp: 6052300

Ion Ratio Lower Upper

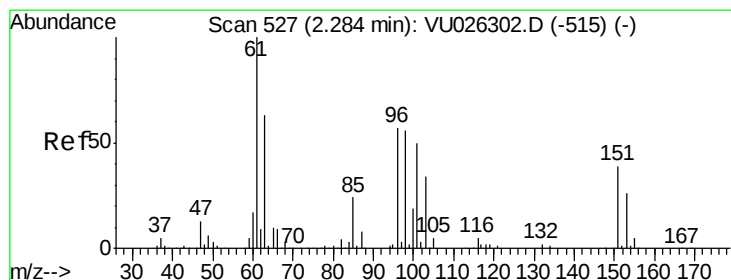
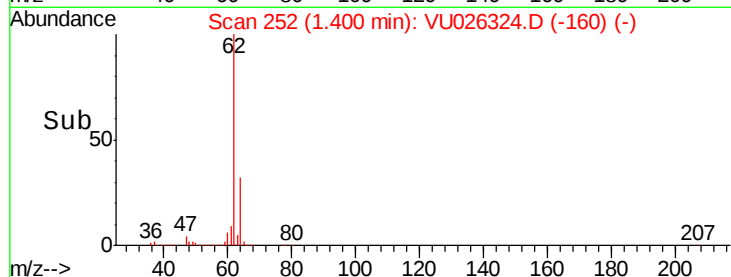
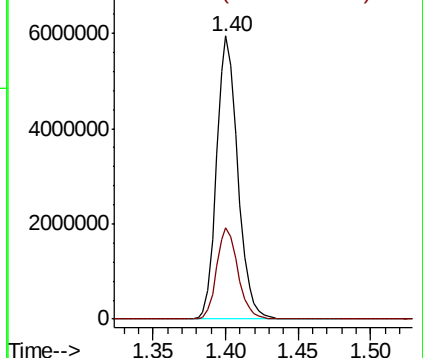
62 100

64 32.4 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 1.865 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

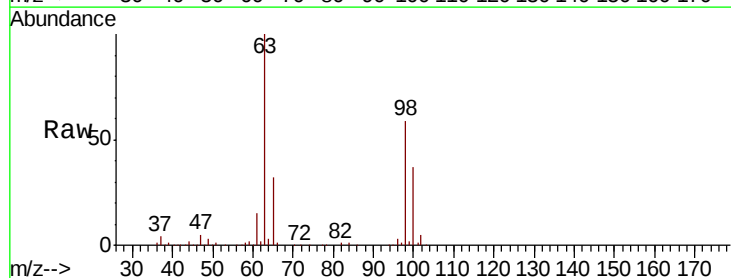
Tgt Ion: 96 Resp: 3053

Ion Ratio Lower Upper

96 100

61 575.8 124.7 231.5#

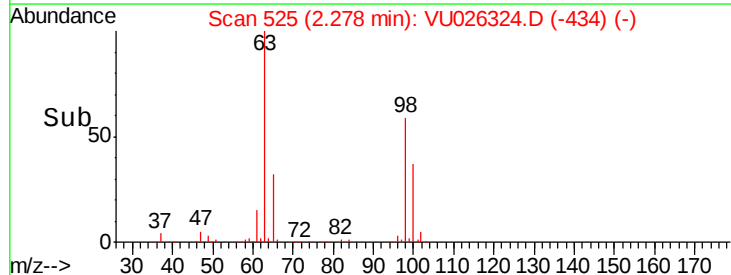
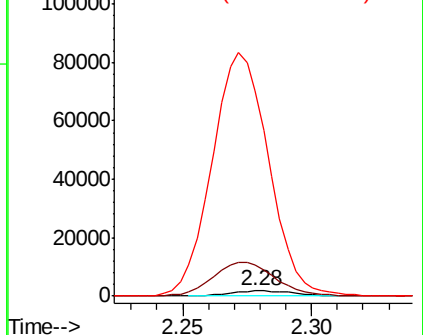
63 3863.2 93.7 174.1#

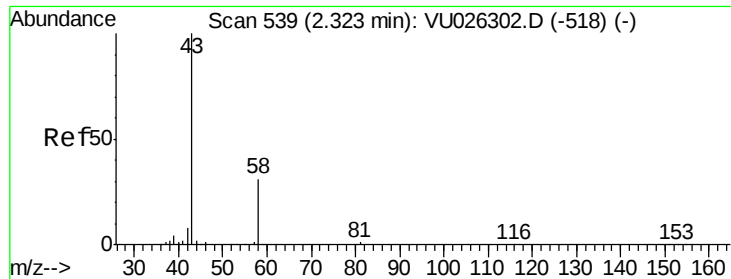


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 110.014 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

Instrument :

MSVOA_U

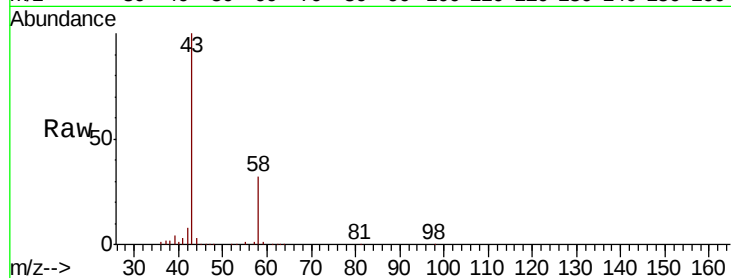
ClientSampleId :

Tot Ion: 43 Resp: 128907

Ion Ratio Lower Upper

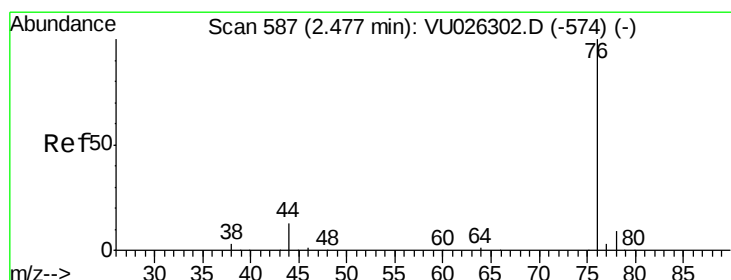
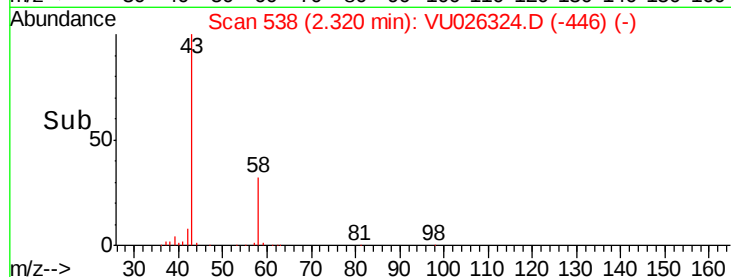
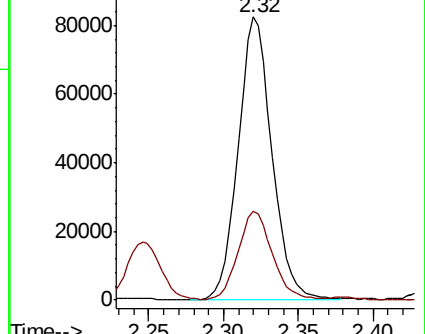
43 100

58 31.0 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.699 ug/L

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU026324.D

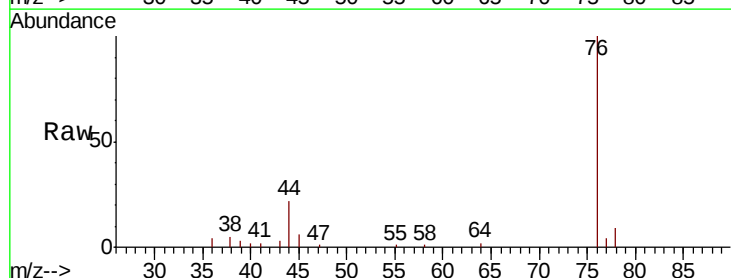
Acq: 24 Aug 2018 01:15

Tgt Ion: 76 Resp: 16948

Ion Ratio Lower Upper

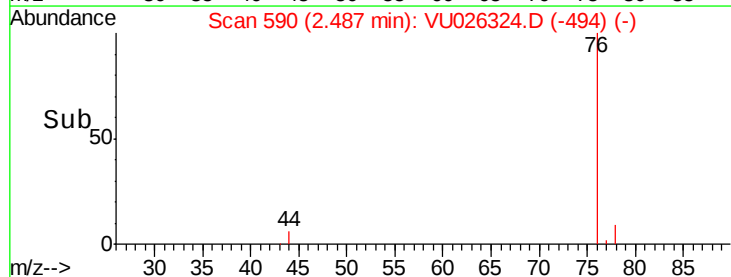
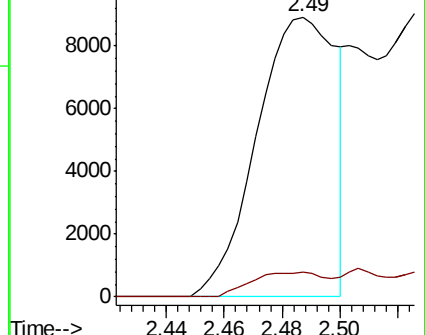
76 100

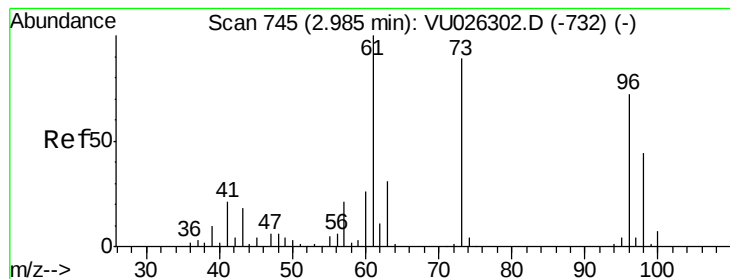
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 14.894 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

Instrument :
MSVOA_U
ClientSampled :

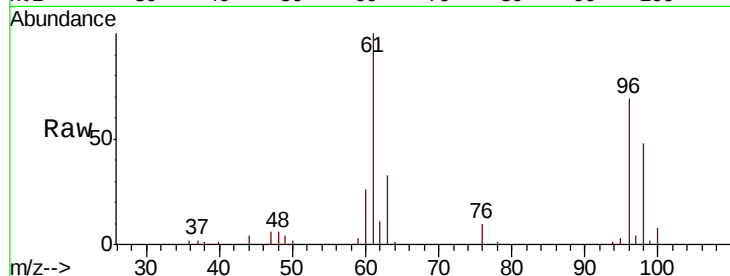
Tot Ion: 96 Resp: 30050

Ion Ratio Lower Upper

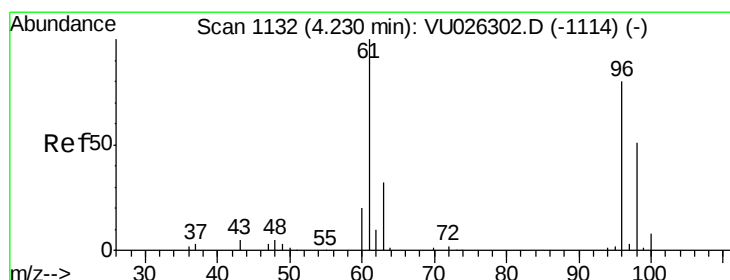
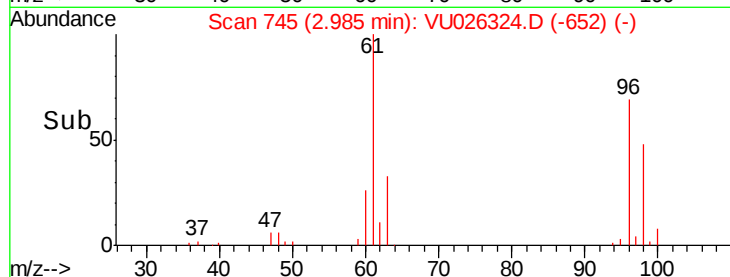
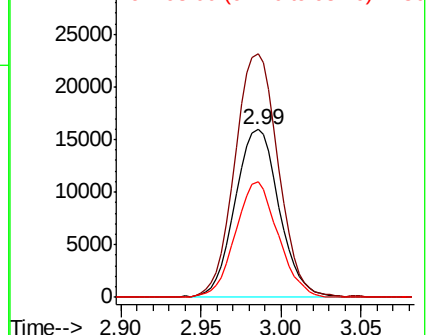
96 100

61 145.2 97.9 181.9

98 69.1 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 1295.848 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

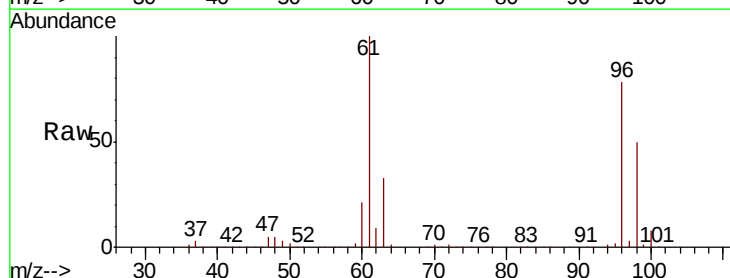
Tgt Ion: 96 Resp: 2885972

Ion Ratio Lower Upper

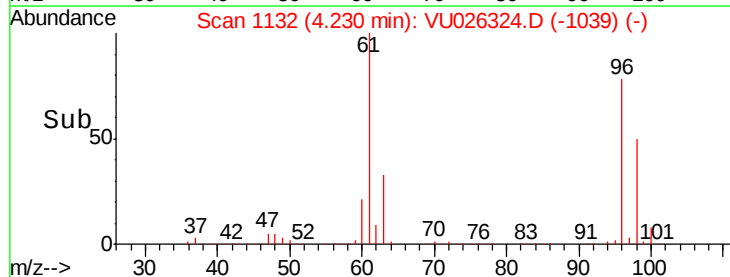
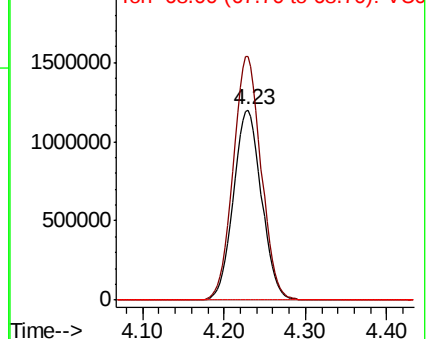
96 100

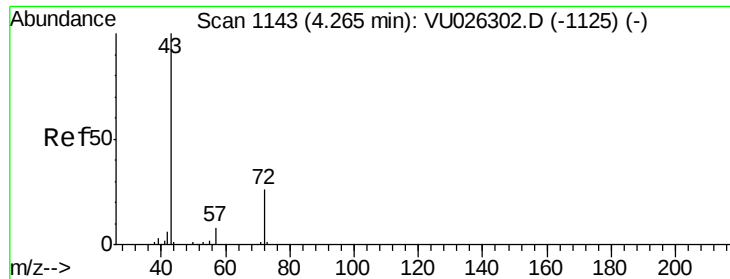
61 127.9 90.3 167.7

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





#22

2-Butanone

Concen: 129.389 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

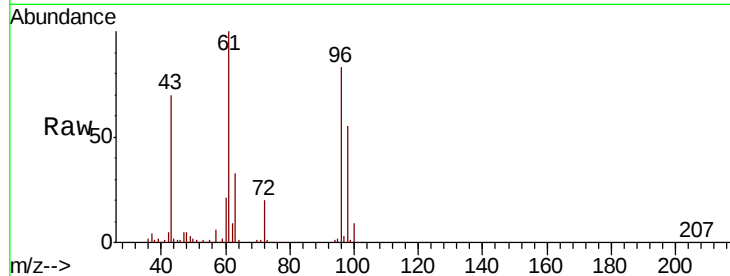
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 202839

Ion Ratio Lower Upper

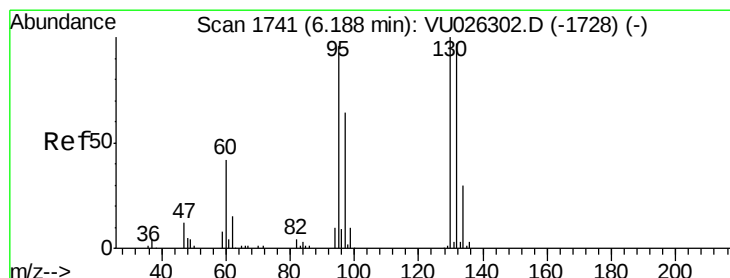
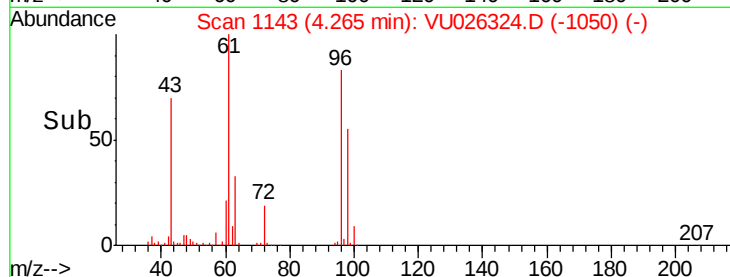
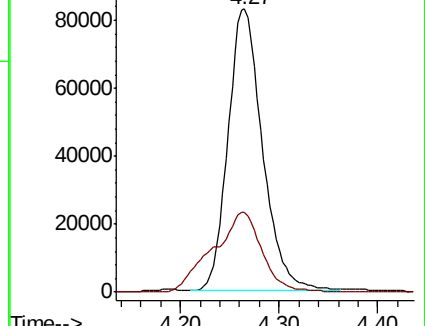
43 100

72 27.4 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026302.D (-1125) (-)

Ion 72.00 (71.70 to 72.70): VU026302.D (-1125) (-)



#34

Trichloroethene

Concen: 106.757 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026324.D

Acq: 24 Aug 2018 01:15

Tgt Ion: 95 Resp: 238758

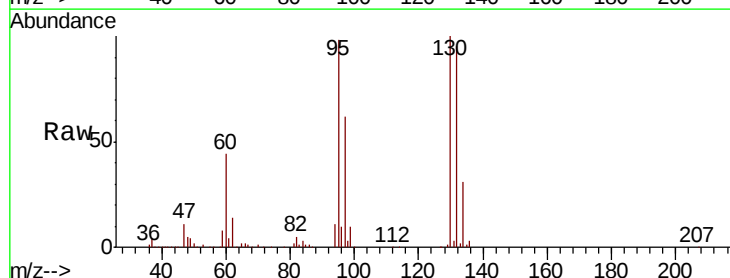
Ion Ratio Lower Upper

95 100

97 63.4 47.2 87.6

132 96.9 70.2 130.4

130 101.7 73.4 136.4

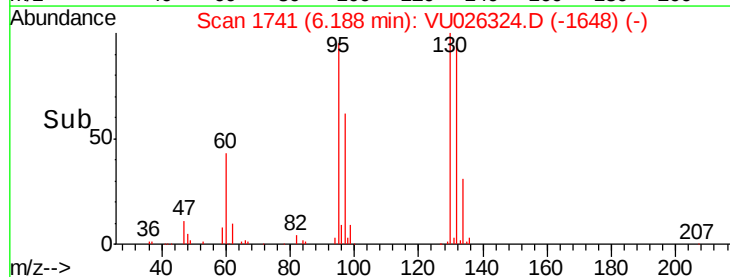
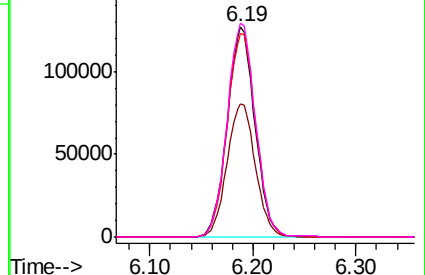


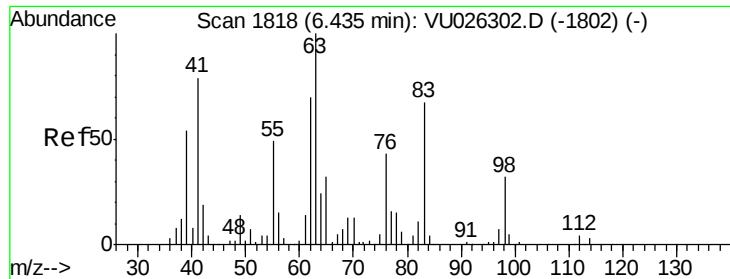
Abundance Ion 95.00 (94.70 to 95.70): VU026302.D (-1728) (-)

Ion 97.00 (96.70 to 97.70): VU026302.D (-1728) (-)

Ion 132.00 (131.70 to 132.70): VU026302.D (-1728) (-)

Ion 130.00 (129.70 to 130.70): VU026302.D (-1728) (-)

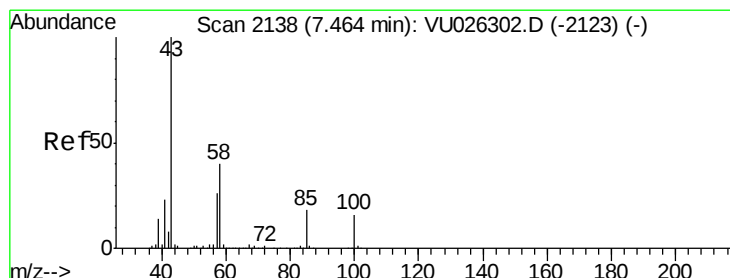
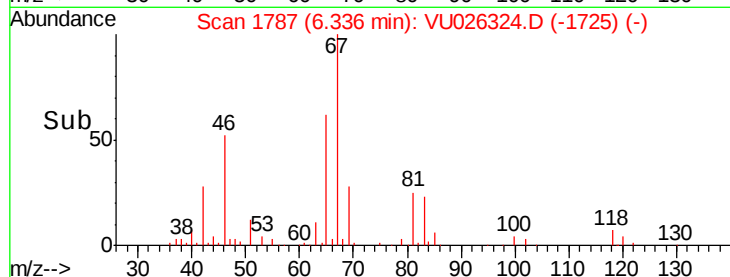
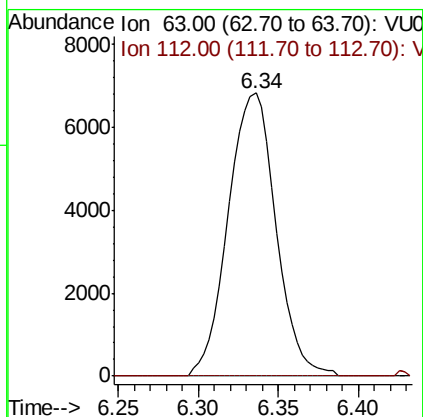
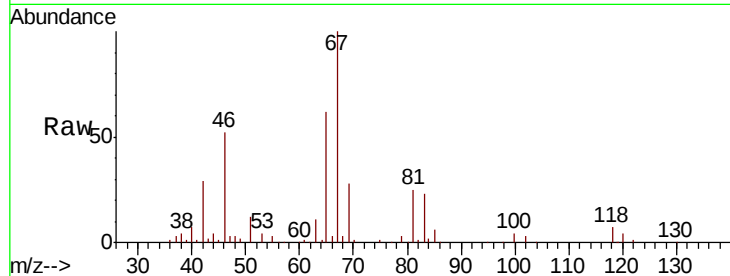




#37
 1,2-Dichloropropane
 Concen: 6.024 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026324.D
 Acq: 24 Aug 2018 01:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 13923
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.4 5.2#



#40
 4-Methyl-2-pentanone
 Concen: 1.518 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026324.D
 Acq: 24 Aug 2018 01:15

Tgt Ion: 43 Resp: 4446
 Ion Ratio Lower Upper
 43 100
 58 42.2 31.6 47.4
 100 8.3 12.3 18.5#

