

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\
 Data File : VU026498.D
 Acq On : 31 Aug 2018 14:37
 Operator : MD/SY
 Sample : J4691-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE17

Quant Time: Sep 01 04:10:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 01 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	154403	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	145586	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39858	41.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.32%
7) Chloroethane-d5	1.68	69	39006	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.30%
11) 1,1-Dichloroethene-d2	2.27	63	59636	27.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.36%#
21) 2-Butanone-d5	4.18	46	71706	96.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.57%
24) Chloroform-d	4.65	84	82600	45.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.42%
26) 1,2-Dichloroethane-d4	5.31	65	57576	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
32) Benzene-d6	5.34	84	166791	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
36) 1,2-Dichloropropane-d6	6.33	67	58222	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.02%
41) Toluene-d8	7.57	98	150833	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	23378	44.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.82%
47) 2-Hexanone-d5	8.31	63	53129	100.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.49%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	80224	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	61553	53.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.48%

Target Compounds

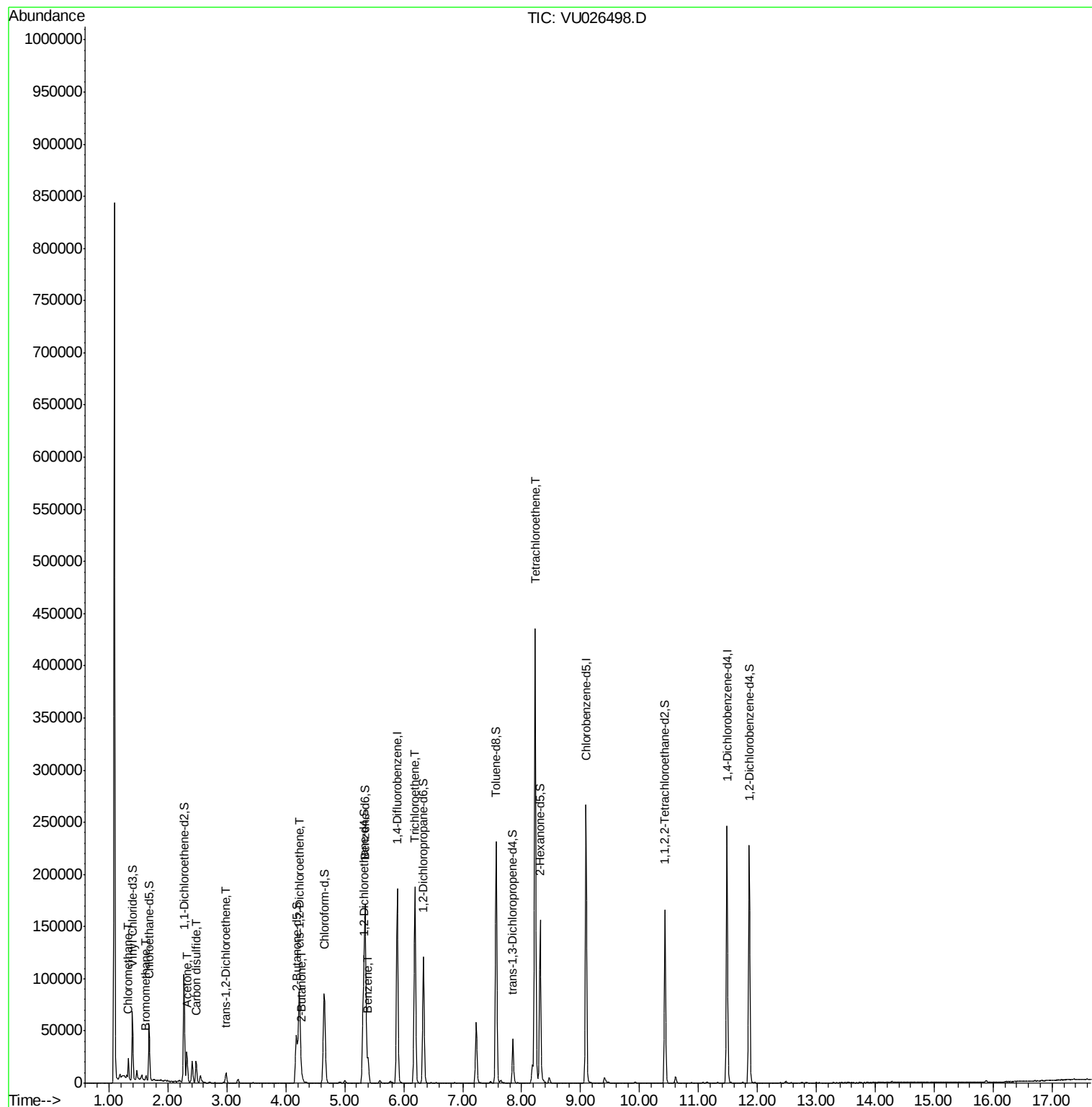
						Ovalue
3) Chloromethane	1.33	50	12510	8.42	ug/L	99
6) Bromomethane	1.63	94	2247	2.35	ug/L	84
13) Acetone	2.32	43	30521	47.47	ug/L	99
14) Carbon disulfide	2.48	76	25757	8.26	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	3992	4.00	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	47930	42.92	ug/L	100
22) 2-Butanone	4.27	43	10909	12.62	ug/L	96
33) Benzene	5.39	78	21686	5.20	ug/L	100
34) Trichloroethene	6.19	95	64250	61.37	ug/L	99
46) Tetrachloroethene	8.23	164	96503	112.75	ug/L	97

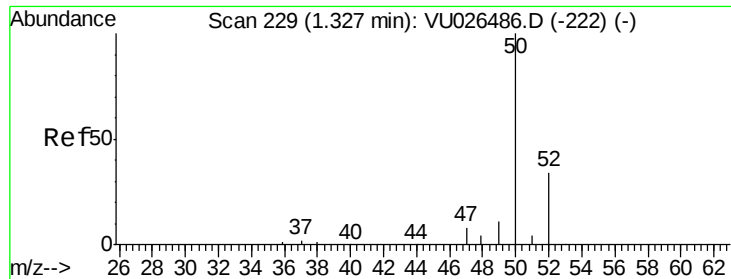
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration





#3

Chloromethane

Concen: 8.42 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026498.D

Acq: 31 Aug 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

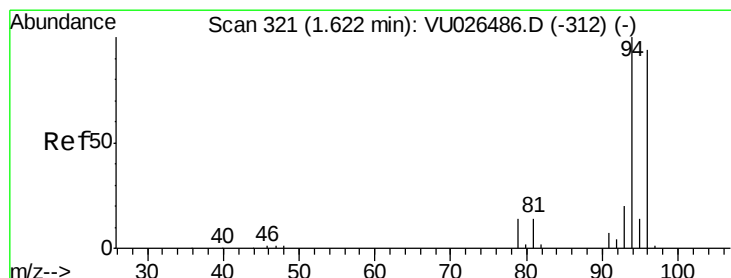
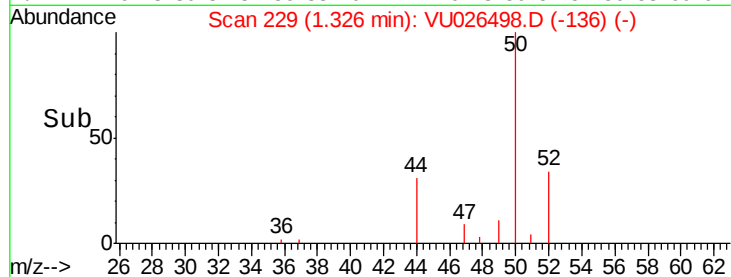
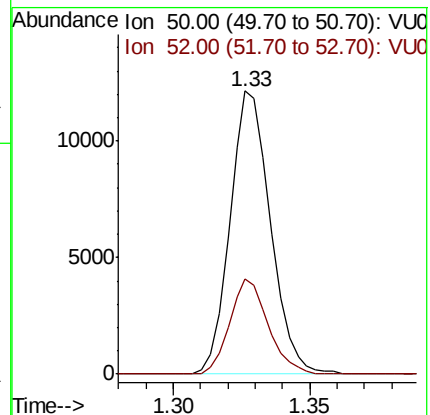
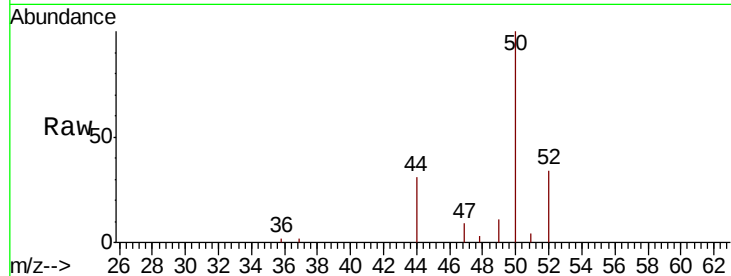
BEE17

Tot Ion: 50 Resp: 12510

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6



#6

Bromomethane

Concen: 2.35 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026498.D

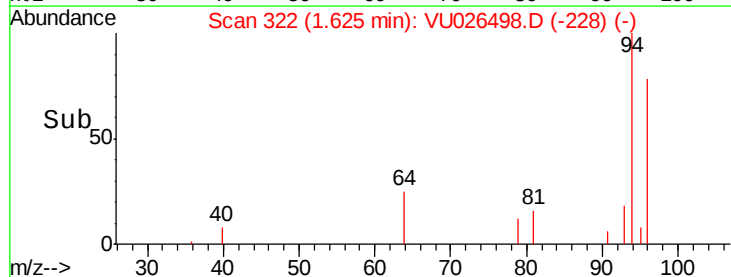
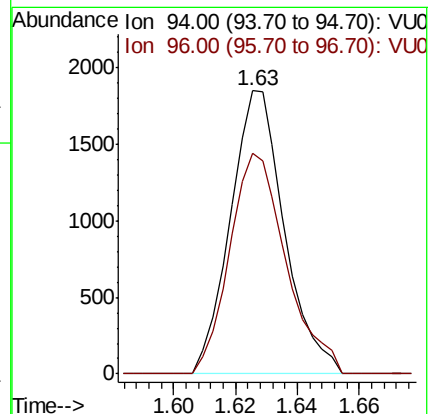
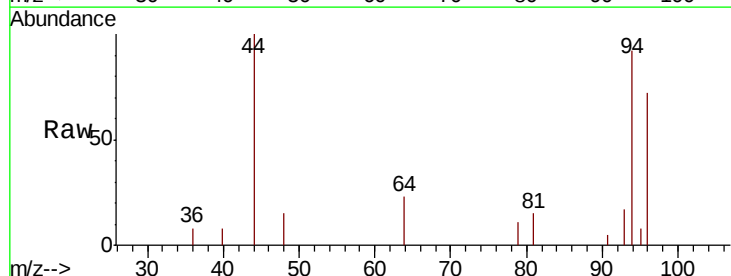
Acq: 31 Aug 2018 14:37

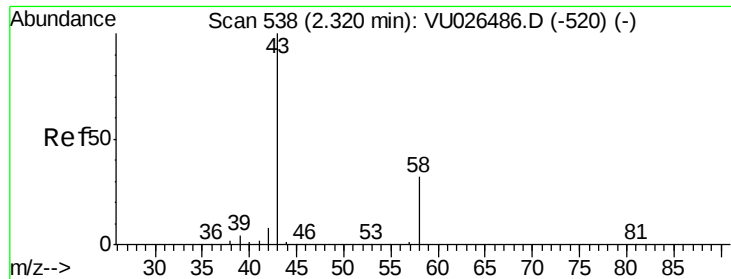
Tgt Ion: 94 Resp: 2247

Ion Ratio Lower Upper

94 100

96 78.1 65.3 121.3





#13

Acetone

Concen: 47.47 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026498.D

Acq: 31 Aug 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

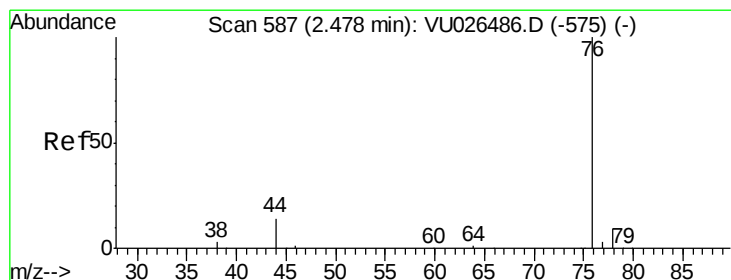
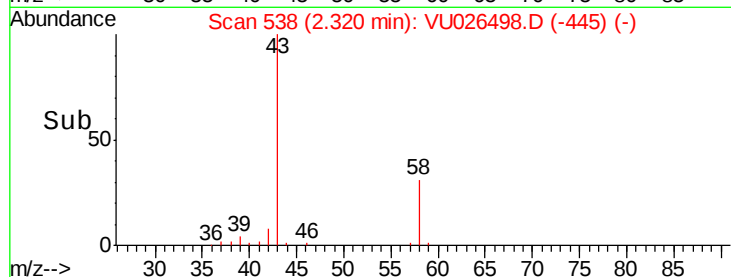
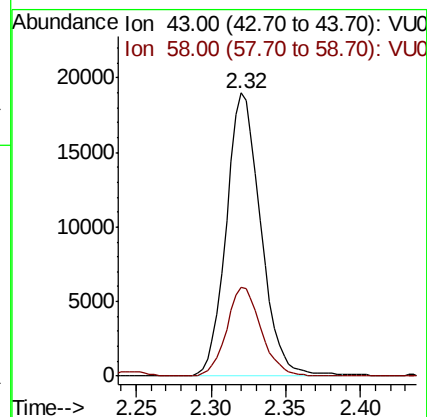
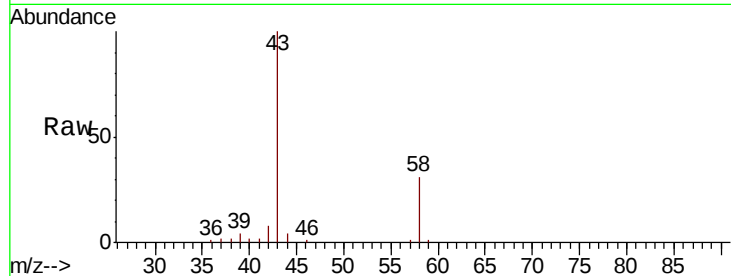
BEE17

Tot Ion: 43 Resp: 30521

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.2



#14

Carbon disulfide

Concen: 8.26 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026498.D

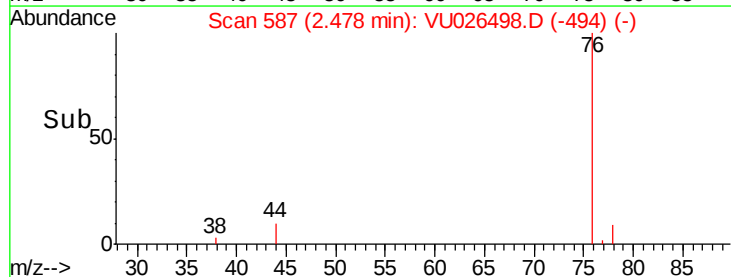
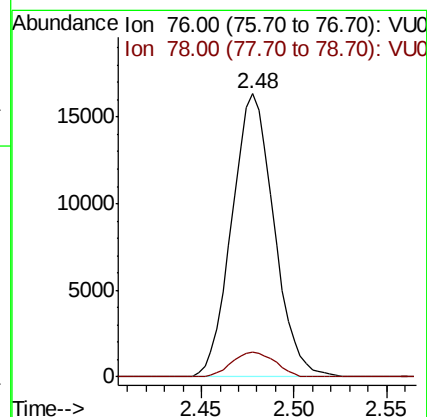
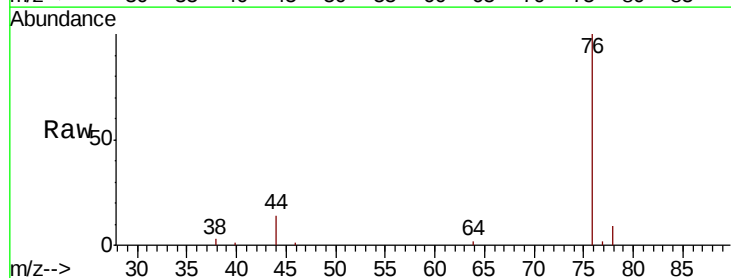
Acq: 31 Aug 2018 14:37

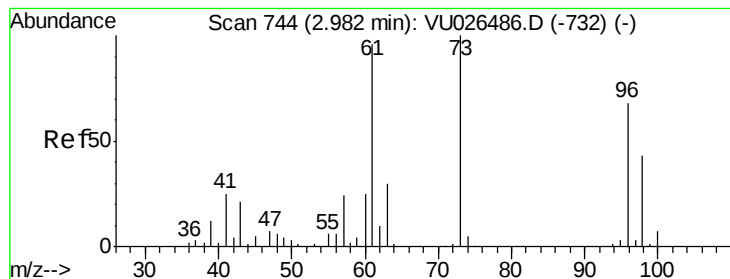
Tgt Ion: 76 Resp: 25757

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#17

trans-1,2-Dichloroethene

Concen: 4.00 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026498.D

Acq: 31 Aug 2018 14:37

Instrument :

MSVOA_U

ClientSampleId :

BEE17

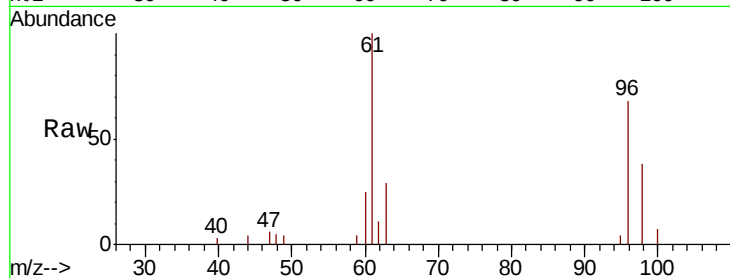
Tot Ion: 96 Resp: 3992

Ion Ratio Lower Upper

96 100

61 148.1 103.2 191.6

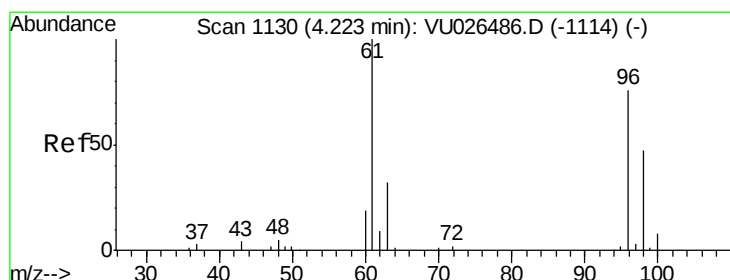
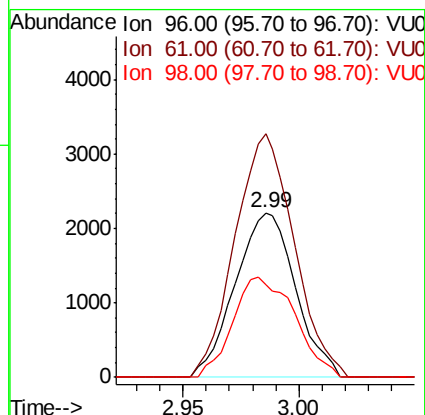
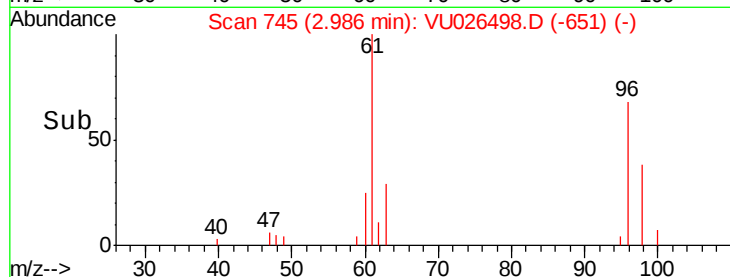
98 56.4 44.9 83.3



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: 42.92 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026498.D

Acq: 31 Aug 2018 14:37

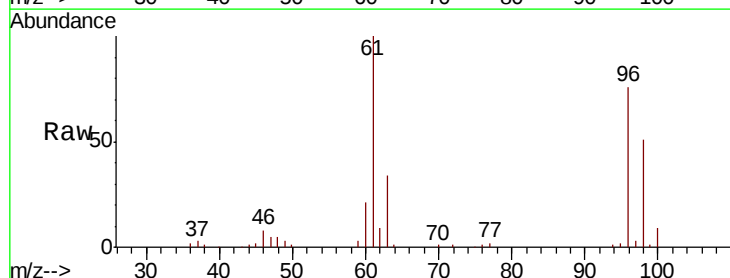
Tgt Ion: 96 Resp: 47930

Ion Ratio Lower Upper

96 100

61 130.7 91.6 170.2

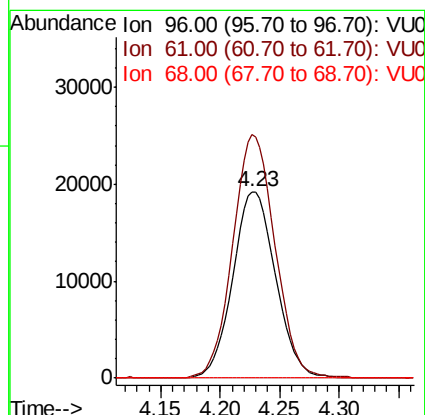
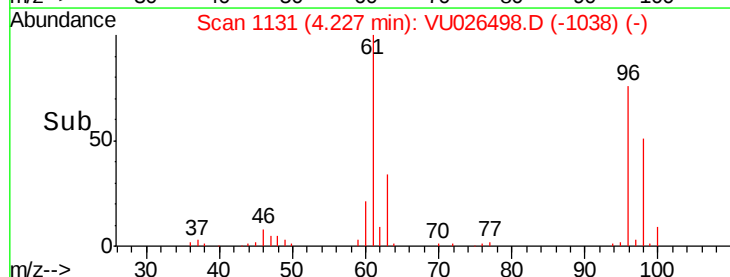
68 0.0 0.0 0.0

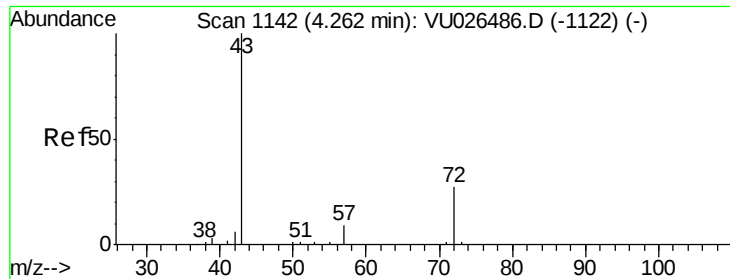


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

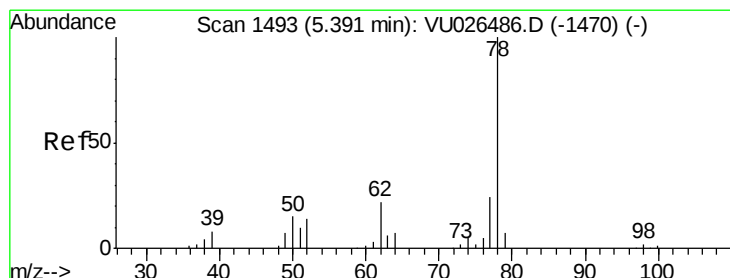
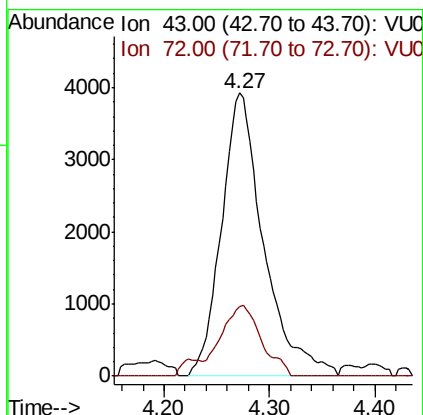
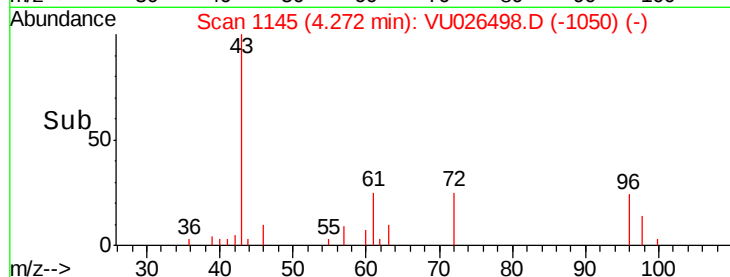
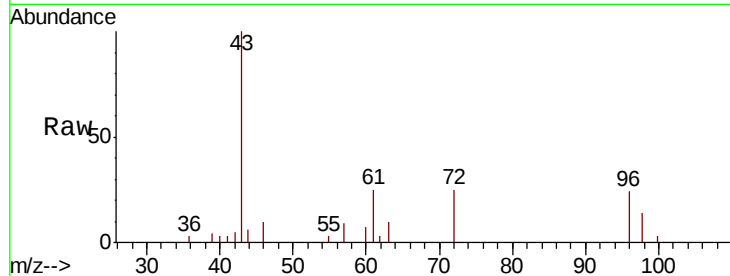




#22
 2-Butanone
 Concen: 12.62 ug/L
 RT: 4.27 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VU026498.D
 Acq: 31 Aug 2018 14:37

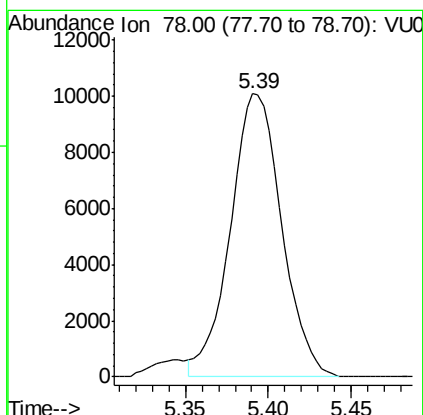
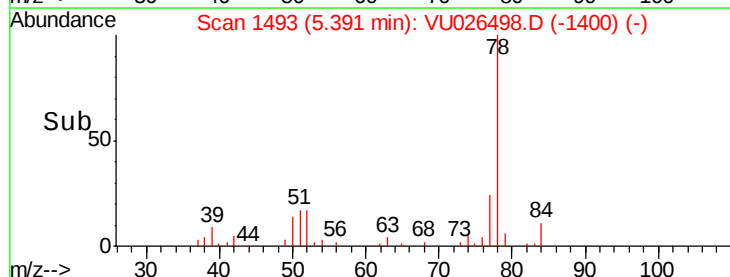
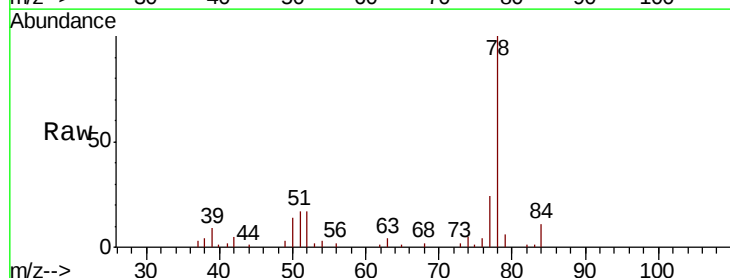
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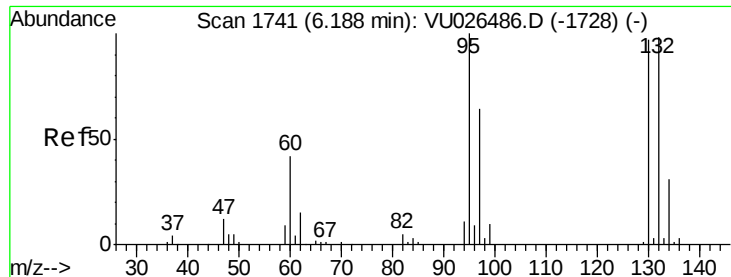
Tot Ion: 43 Resp: 10909
 Ion Ratio Lower Upper
 43 100
 72 23.7 13.0 38.9



#33
 Benzene
 Concen: 5.20 ug/L
 RT: 5.39 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VU026498.D
 Acq: 31 Aug 2018 14:37

Tgt Ion: 78 Resp: 21686

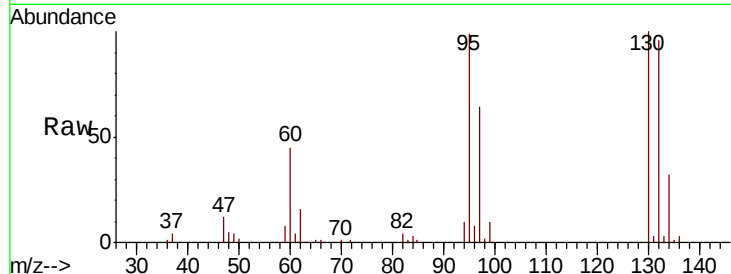




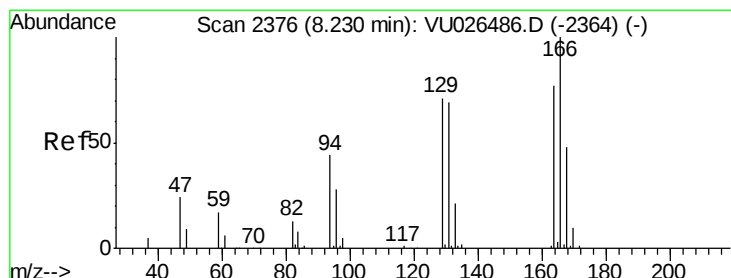
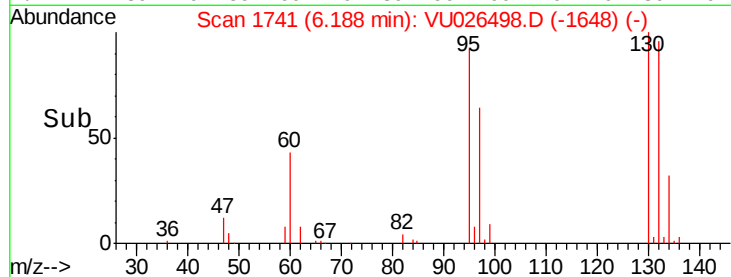
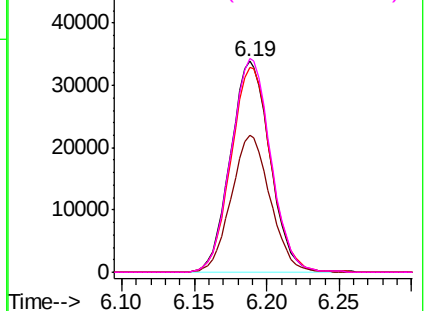
#34
 Trichloroethene
 Concen: 61.37 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026498.D
 Acq: 31 Aug 2018 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE17

Tot Ion: 95 Resp: 64250
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.1 83.7
 132 97.2 67.5 125.3
 130 101.2 69.3 128.7

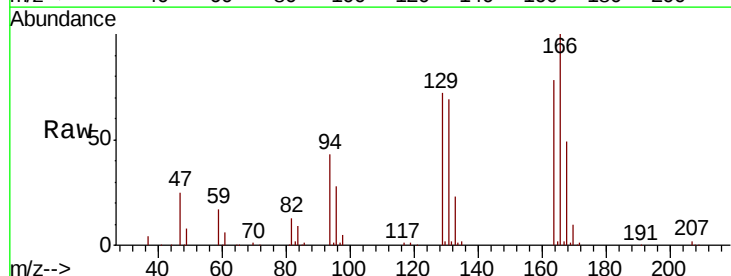


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



#46
 Tetrachloroethene
 Concen: 112.75 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026498.D
 Acq: 31 Aug 2018 14:37

Tgt Ion: 164 Resp: 96503
 Ion Ratio Lower Upper
 164 100
 129 93.1 67.3 125.1
 131 88.3 65.3 121.3
 166 129.0 90.9 168.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

