

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090518\
 Data File : VU026544.D
 Acq On : 05 Sep 2018 14:32
 Operator : MD/SY
 Sample : J4694-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE38

Quant Time: Sep 06 05:49:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 04:37:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	148775	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	139697	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60292	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41387	44.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.80%
7) Chloroethane-d5	1.68	69	38726	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.04%
11) 1,1-Dichloroethene-d2	2.27	63	63499	30.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.18%
21) 2-Butanone-d5	4.18	46	84483	118.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.09%
24) Chloroform-d	4.65	84	88282	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
26) 1,2-Dichloroethane-d4	5.31	65	60354	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.35	84	170185	52.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.70%
36) 1,2-Dichloropropane-d6	6.33	67	61285	55.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.82%
41) Toluene-d8	7.57	98	151384	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.85	79	16609	32.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.76%
47) 2-Hexanone-d5	8.31	63	61624	121.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88869	54.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	62903	57.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

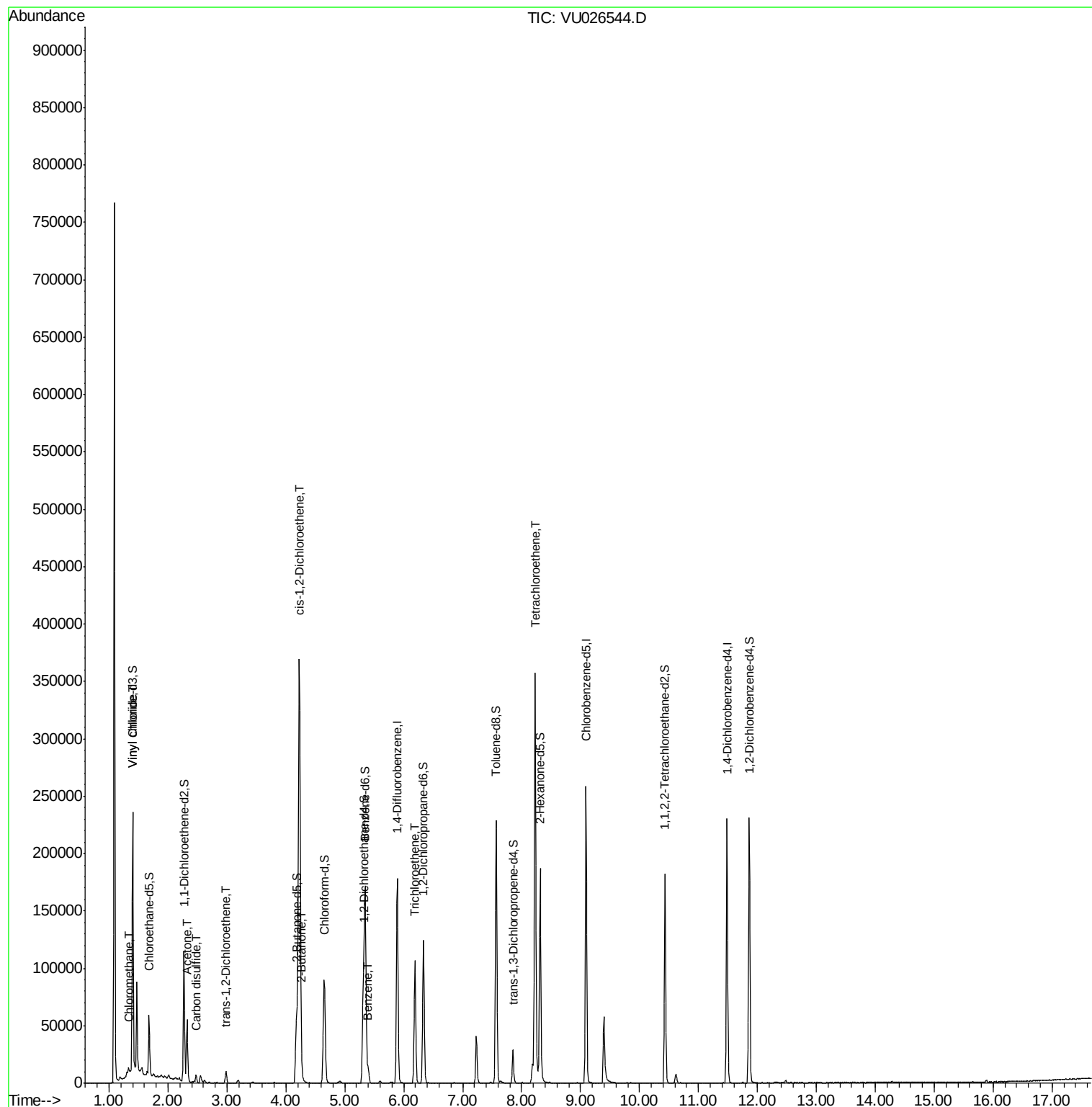
						Ovalue
3) Chloromethane	1.33	50	3339	2.33	ug/L	93
5) Vinyl chloride	1.40	62	105718	68.08	ug/L	89
13) Acetone	2.32	43	56765	91.63	ug/L	99
14) Carbon disulfide	2.48	76	8328	2.77	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	4144	4.31	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	206317	191.74	ug/L	99
22) 2-Butanone	4.27	43	7352	8.83	ug/L	98
33) Benzene	5.39	78	12292	3.07	ug/L	100
34) Trichloroethene	6.19	95	36432	36.27	ug/L	98
46) Tetrachloroethene	8.23	164	79818	97.18	ug/L	97

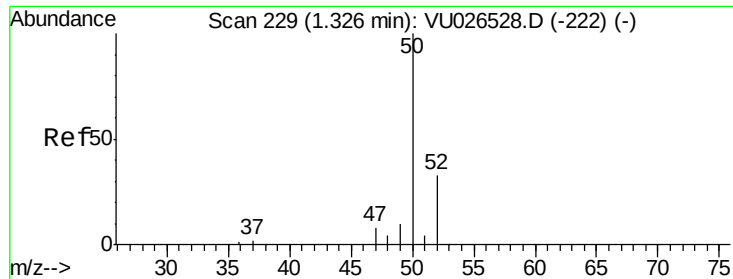
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.33 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

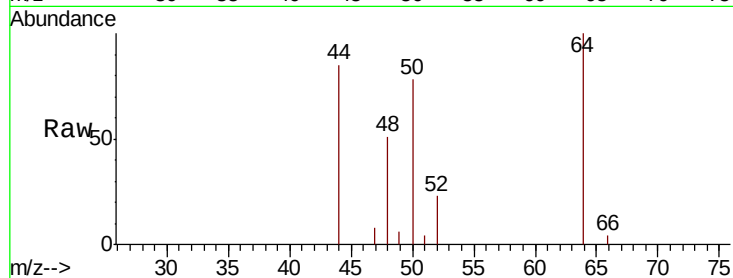
BEE38

Tot Ion: 50 Resp: 3339

Ion Ratio Lower Upper

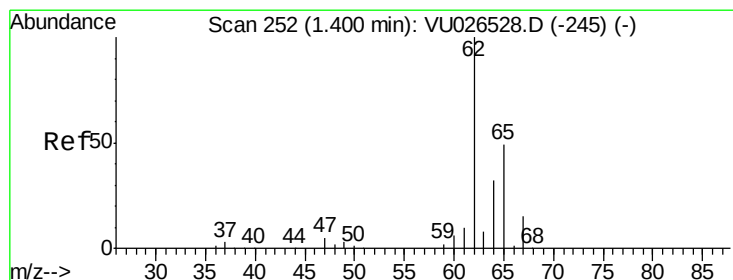
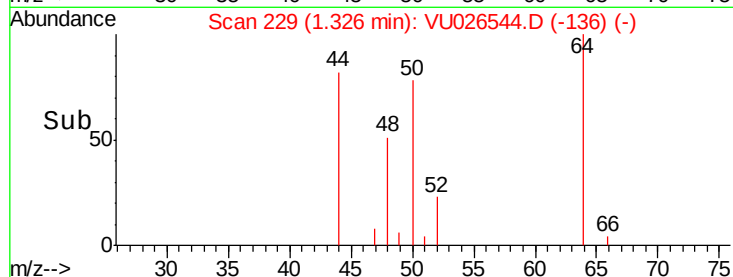
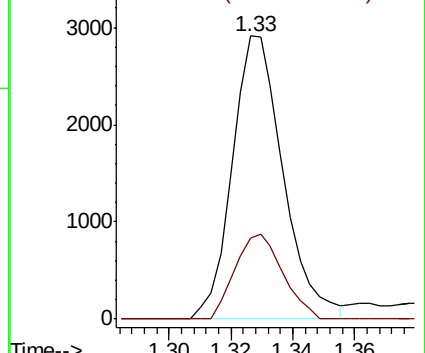
50 100

52 28.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#5

Vinyl chloride

Concen: 68.08 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026544.D

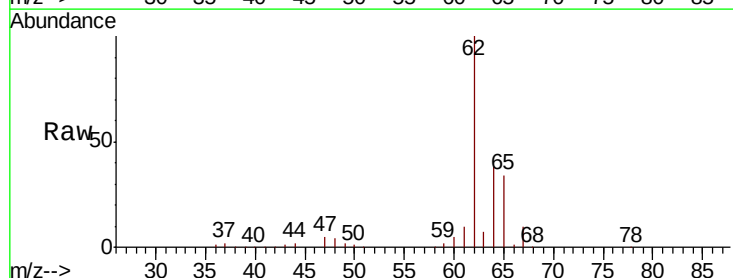
Acq: 05 Sep 2018 14:32

Tgt Ion: 62 Resp: 105718

Ion Ratio Lower Upper

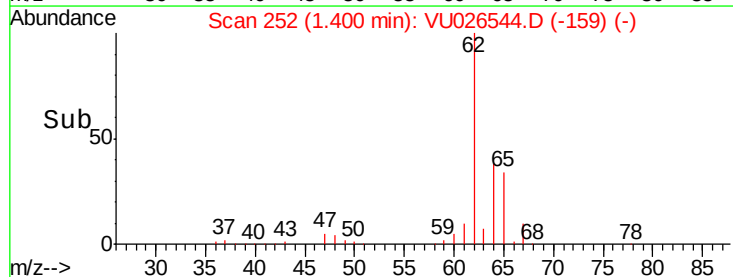
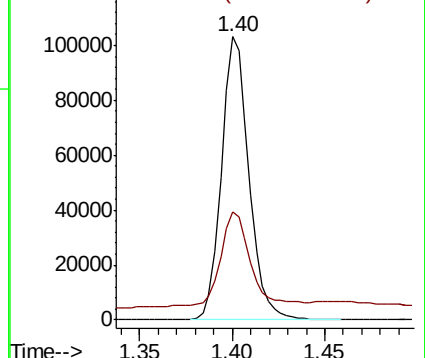
62 100

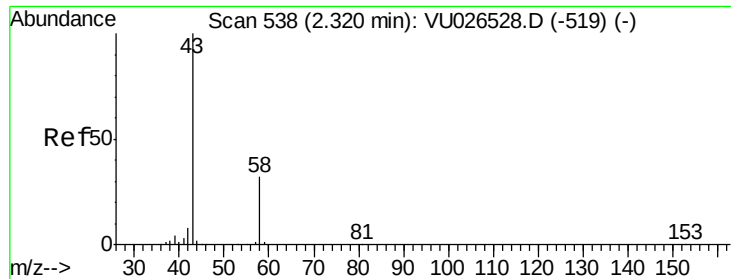
64 37.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#13

Acetone

Concen: 91.63 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

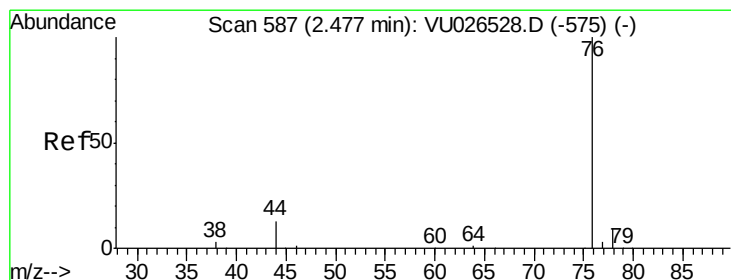
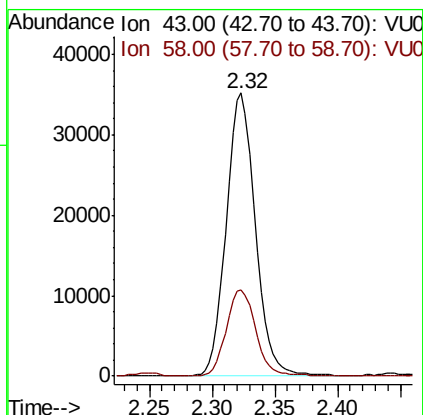
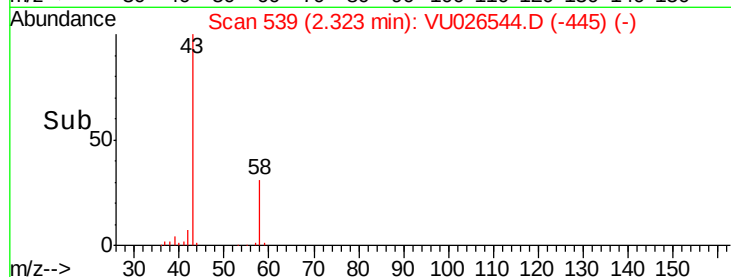
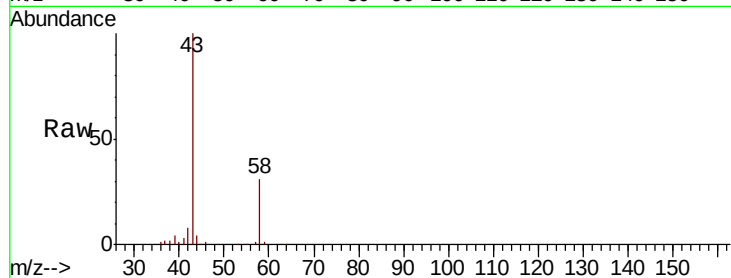
BEE38

Tot Ion: 43 Resp: 56765

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.2



#14

Carbon disulfide

Concen: 2.77 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026544.D

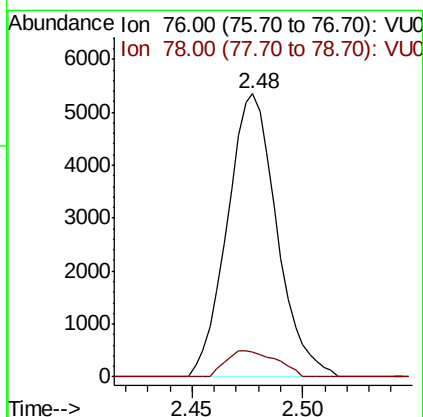
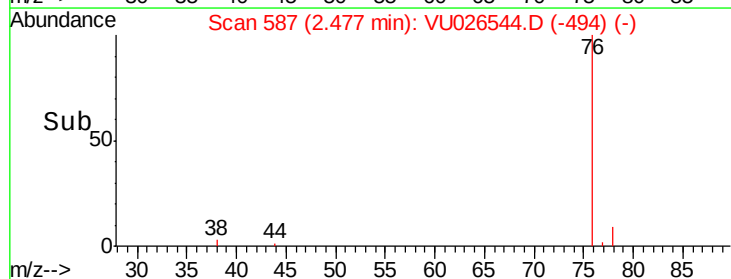
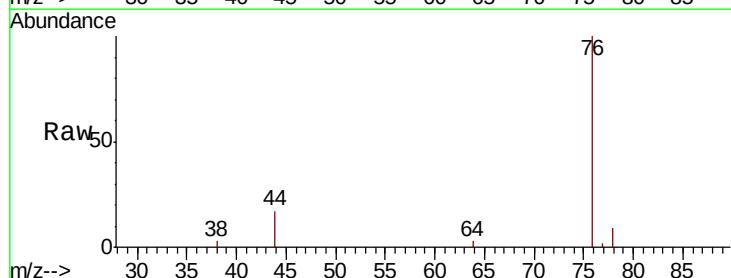
Acq: 05 Sep 2018 14:32

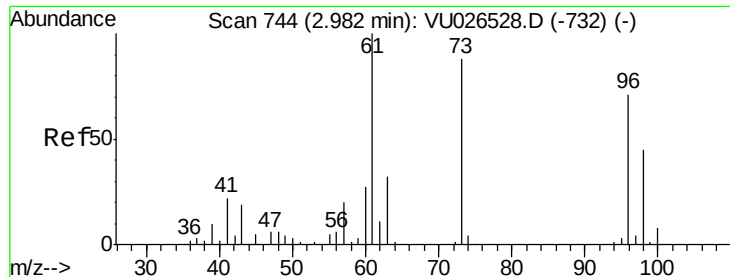
Tgt Ion: 76 Resp: 8328

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#17

trans-1,2-Dichloroethene

Concen: 4.31 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

BEE38

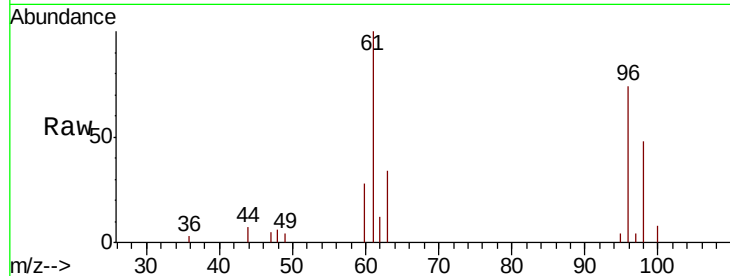
Tot Ion: 96 Resp: 4144

Ion Ratio Lower Upper

96 100

61 135.9 103.2 191.6

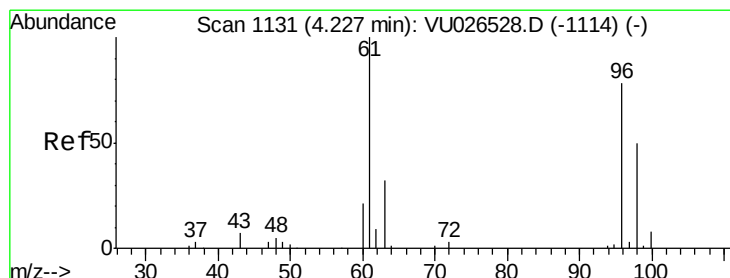
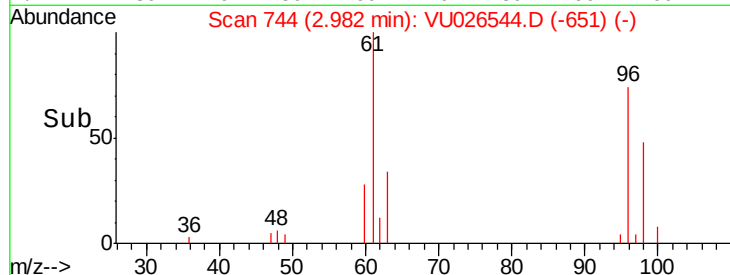
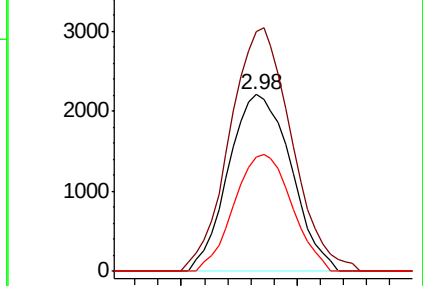
98 64.9 44.9 83.3



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: 191.74 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

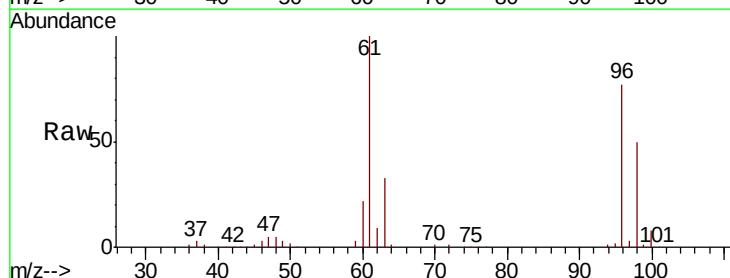
Tgt Ion: 96 Resp: 206317

Ion Ratio Lower Upper

96 100

61 129.5 91.6 170.2

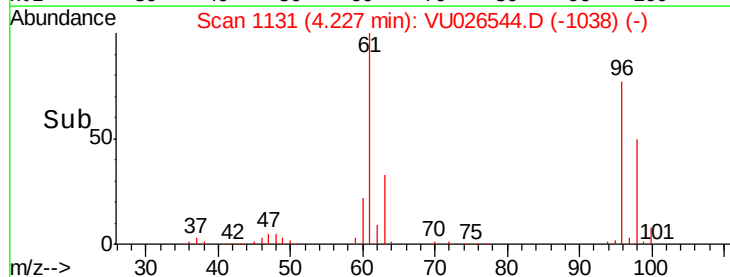
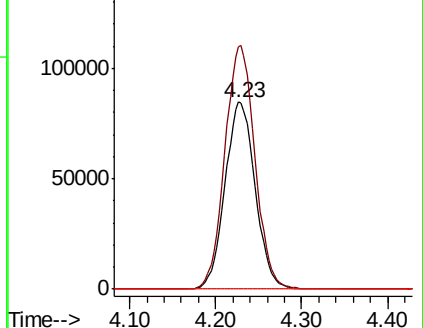
68 0.0 0.0 0.0

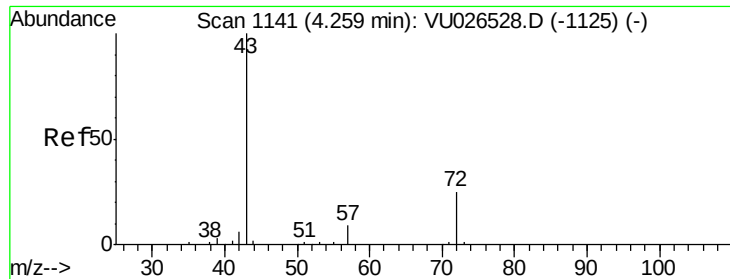


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 8.83 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

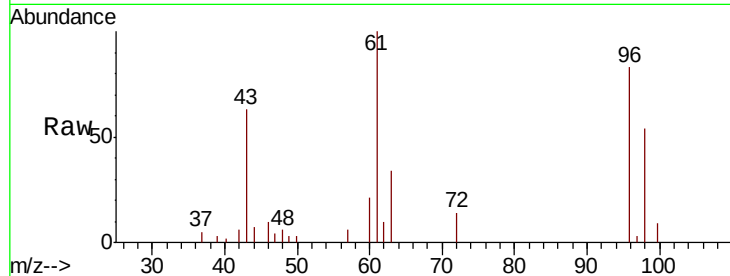
BEE38

Tot Ion: 43 Resp: 7352

Ion Ratio Lower Upper

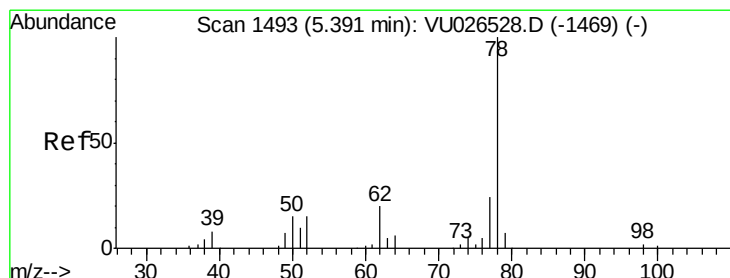
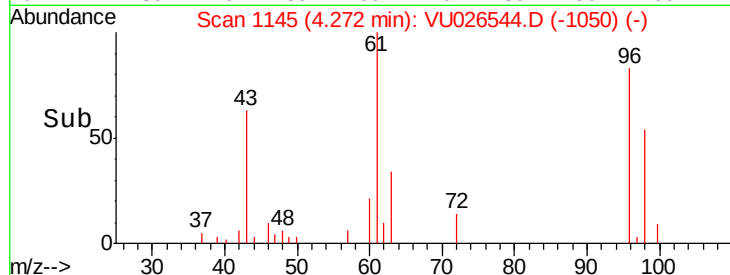
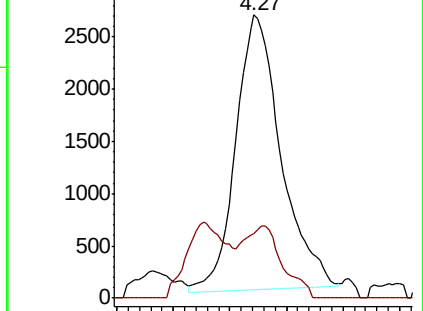
43 100

72 24.8 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#33

Benzene

Concen: 3.07 ug/L

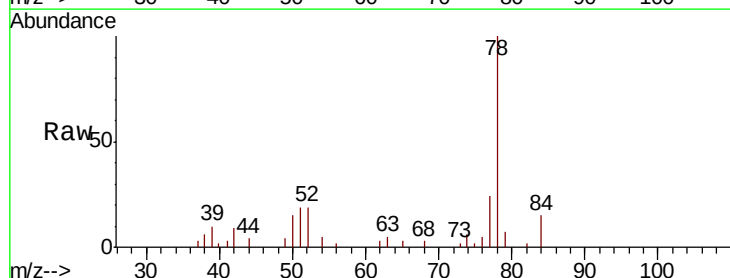
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026544.D

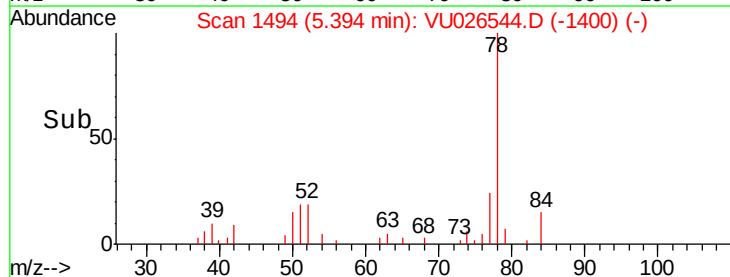
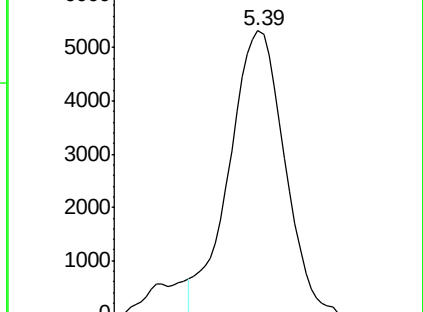
Acq: 05 Sep 2018 14:32

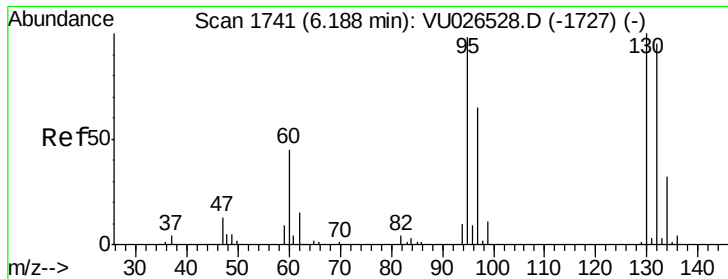
Tgt Ion: 78 Resp: 12292



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 36.27 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

BEE38

Tot Ion: 95 Resp: 36432

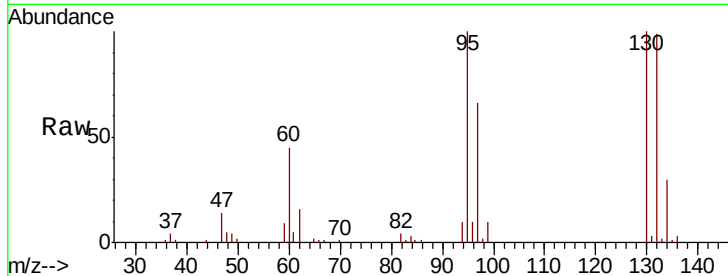
Ion Ratio Lower Upper

95 100

97 66.7 45.1 83.7

132 99.0 67.5 125.3

130 100.4 69.3 128.7

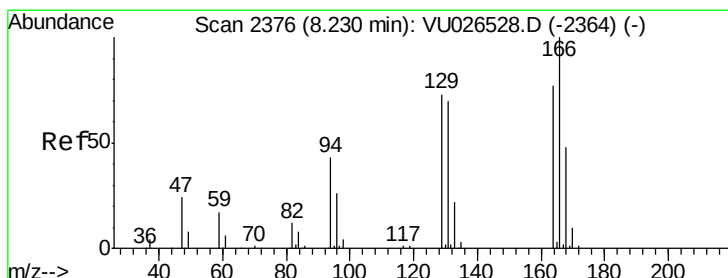
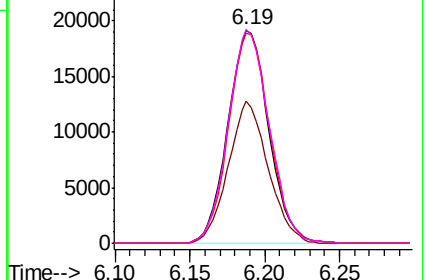
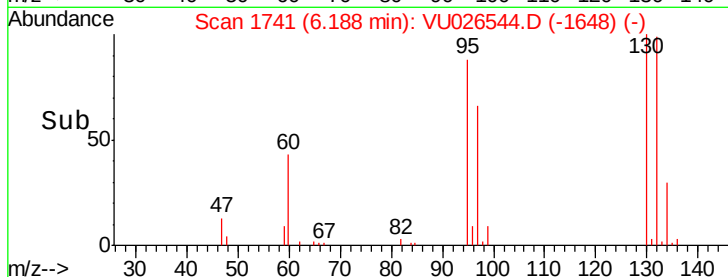


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 97.18 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026544.D

Acq: 05 Sep 2018 14:32

Tgt Ion: 164 Resp: 79818

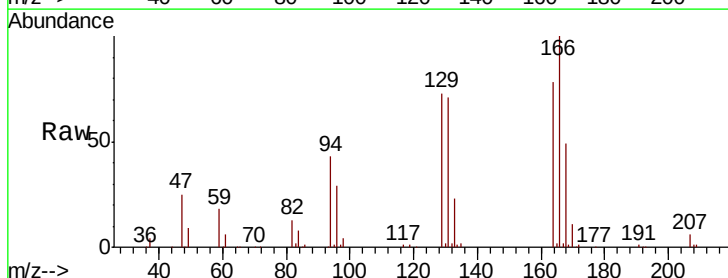
Ion Ratio Lower Upper

164 100

129 92.5 67.3 125.1

131 90.2 65.3 121.3

166 127.5 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

