

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\
 Data File : VU026497.D
 Acq On : 31 Aug 2018 14:14
 Operator : MD/SY
 Sample : J4691-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE12

Quant Time: Sep 01 04:05:43 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	152738	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64471	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	41524	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.76%
7) Chloroethane-d5	1.68	69	40533	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.84%
11) 1,1-Dichloroethene-d2	2.27	63	61843	29.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.04%#
21) 2-Butanone-d5	4.18	46	73622	100.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.24%
24) Chloroform-d	4.65	84	85433	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.31	65	58142	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.35	84	170306	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.74%
36) 1,2-Dichloropropane-d6	6.33	67	59407	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.34%
41) Toluene-d8	7.57	98	157203	49.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.85	79	23511	45.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.28%
47) 2-Hexanone-d5	8.31	63	53400	103.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	80819	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	63615	54.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.78%

Target Compounds

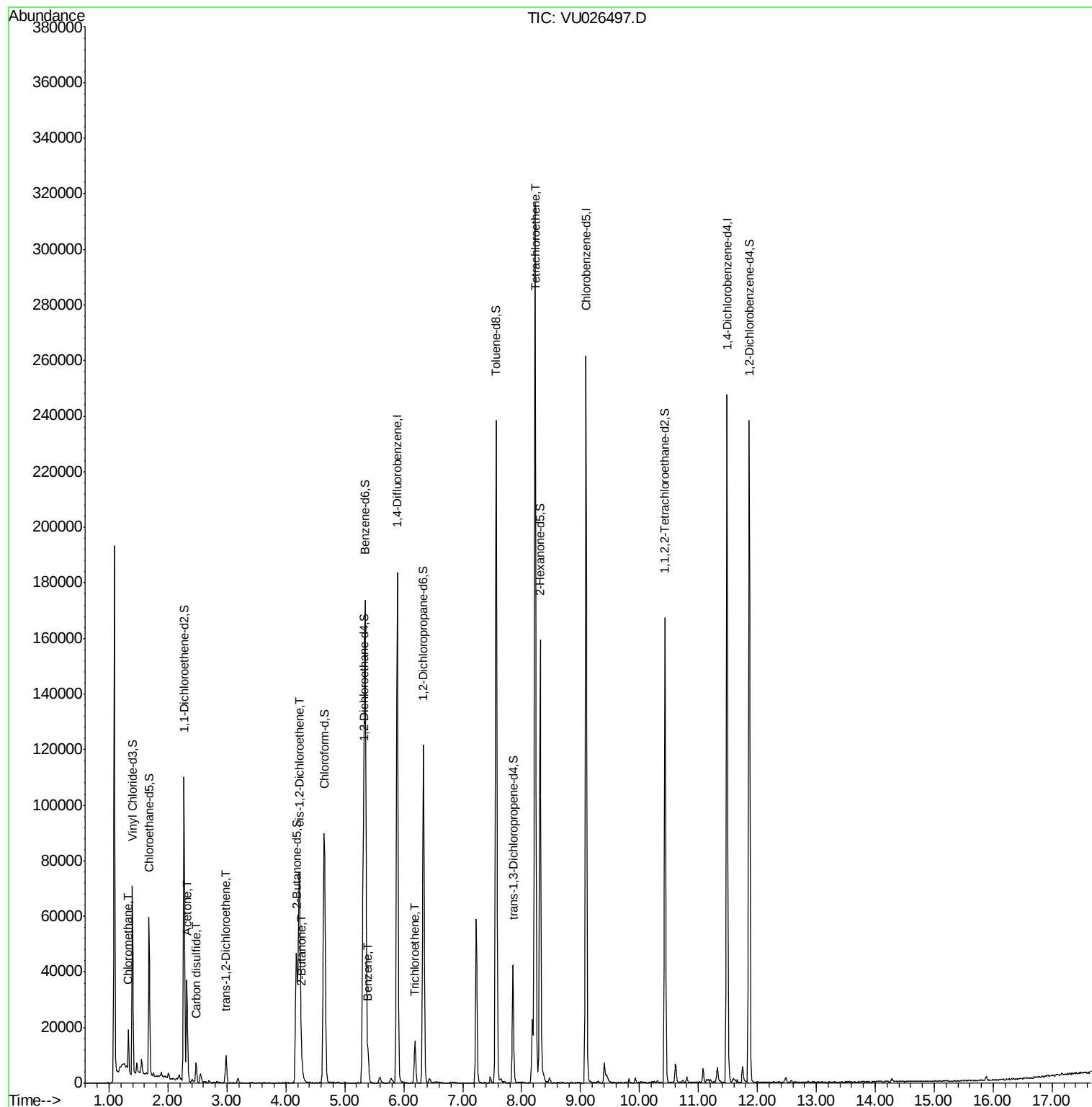
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.33	50	9552	6.50	ug/L	100
13) Acetone	2.32	43	37429	58.85	ug/L	99
14) Carbon disulfide	2.48	76	8491	2.75	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	3928	3.98	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	41102	37.21	ug/L	99
22) 2-Butanone	4.27	43	11041	12.92	ug/L	94
33) Benzene	5.39	78	9668	2.37	ug/L	100
34) Trichloroethene	6.19	95	5215	5.09	ug/L	94
46) Tetrachloroethene	8.23	164	70786	84.51	ug/L	97

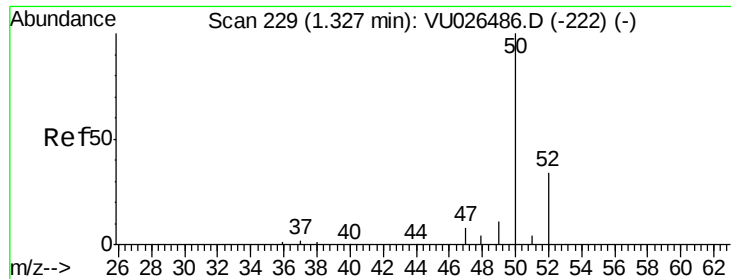
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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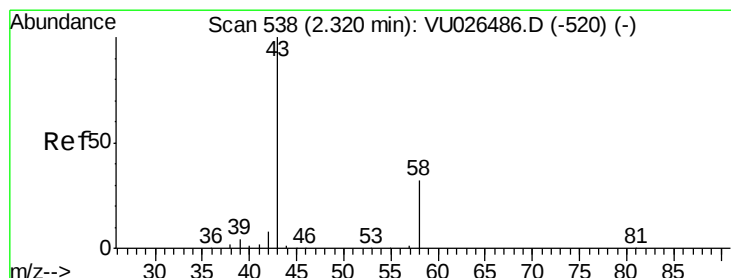
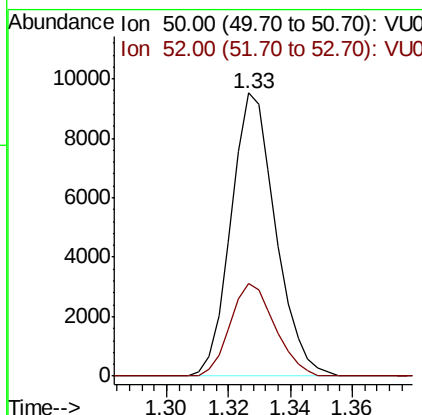
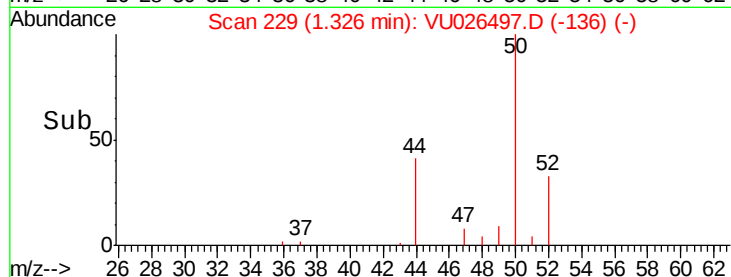
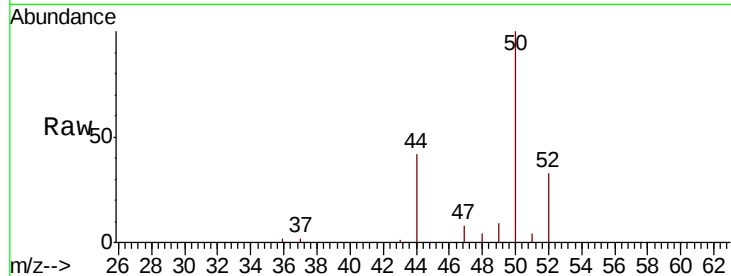




#3
 Chloromethane
 Concen: 6.50 ug/L
 RT: 1.33 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VU026497.D
 Acq: 31 Aug 2018 14:14

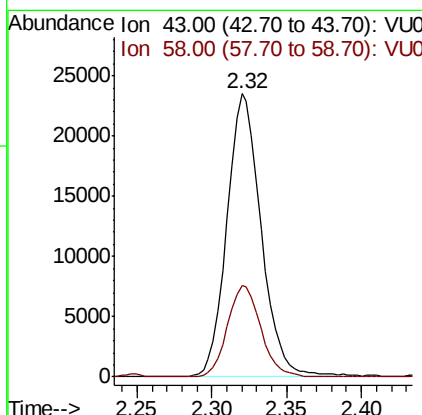
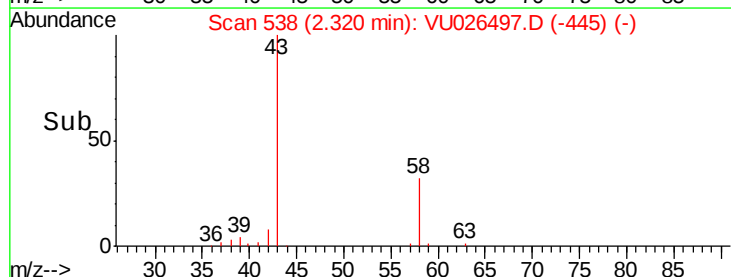
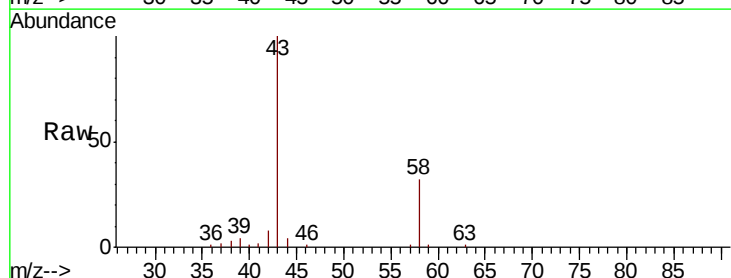
Instrument :
 MSVOA_U
 ClientSampleId :
 BEE12

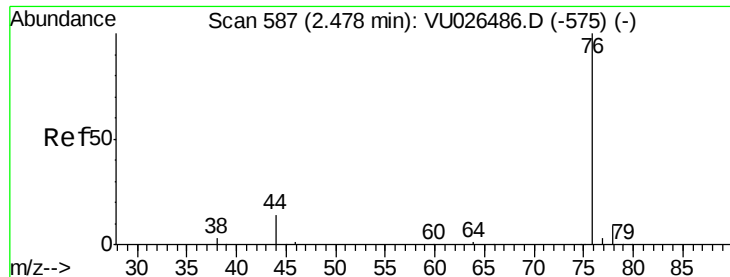
Tot Ion: 50 Resp: 9552
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.0 42.6



#13
 Acetone
 Concen: 58.85 ug/L
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU026497.D
 Acq: 31 Aug 2018 14:14

Tgt Ion: 43 Resp: 37429
 Ion Ratio Lower Upper
 43 100
 58 31.4 0.0 61.2





#14

Carbon disulfide

Concen: 2.75 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026497.D

Acq: 31 Aug 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

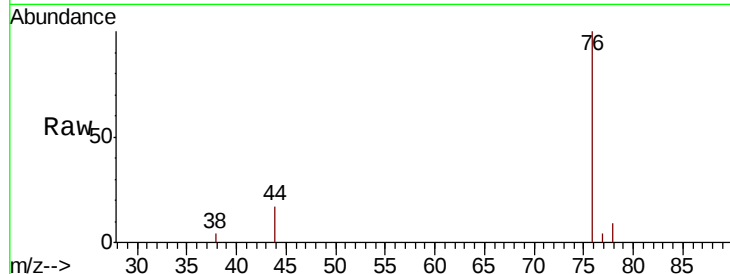
BEE12

Tot Ion: 76 Resp: 8491

Ion Ratio Lower Upper

76 100

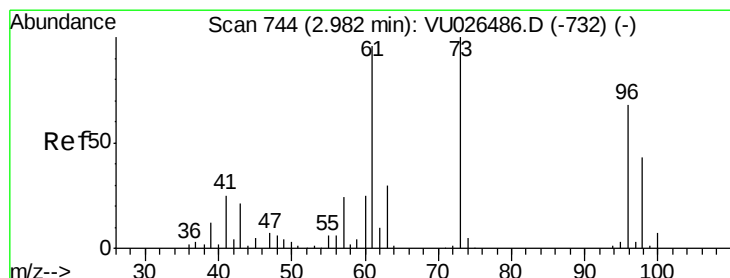
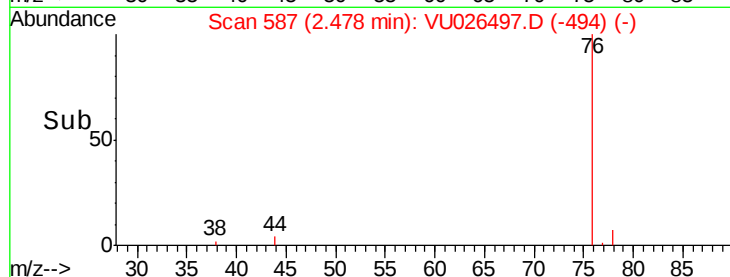
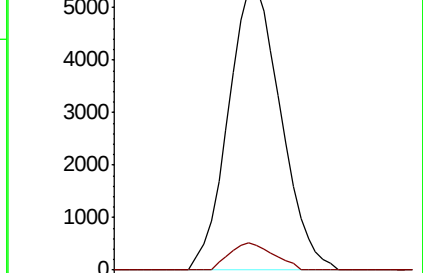
78 8.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU026486.D (-575) (-)

Ion 78.00 (77.70 to 78.70): VU026486.D (-575) (-)

2.48



#17

trans-1,2-Dichloroethene

Concen: 3.98 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026497.D

Acq: 31 Aug 2018 14:14

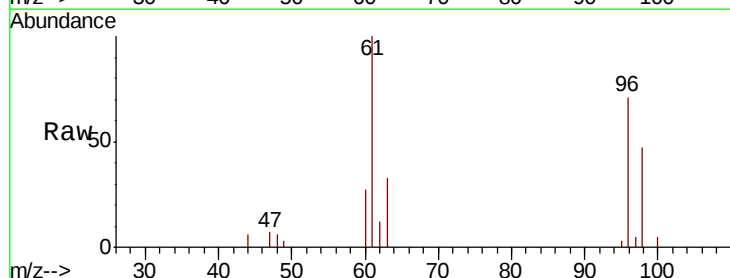
Tgt Ion: 96 Resp: 3928

Ion Ratio Lower Upper

96 100

61 140.4 103.2 191.6

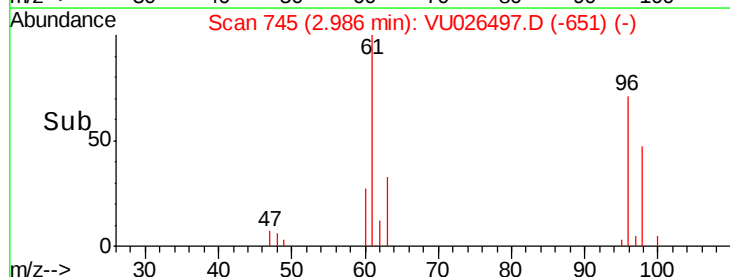
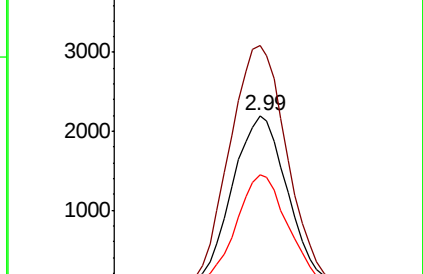
98 65.9 44.9 83.3

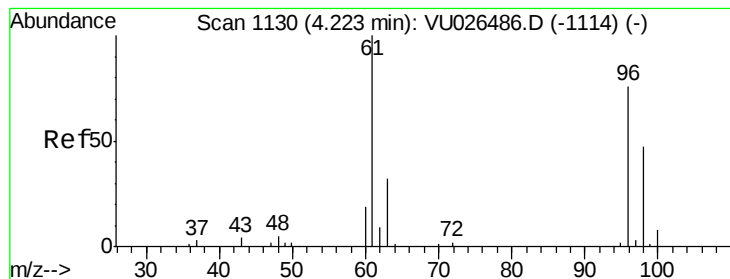


Abundance Ion 96.00 (95.70 to 96.70): VU026486.D (-732) (-)

Ion 61.00 (60.70 to 61.70): VU026486.D (-732) (-)

Ion 98.00 (97.70 to 98.70): VU026486.D (-732) (-)





#20

cis-1,2-Dichloroethene

Concen: 37.21 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026497.D

Acq: 31 Aug 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

BEE12

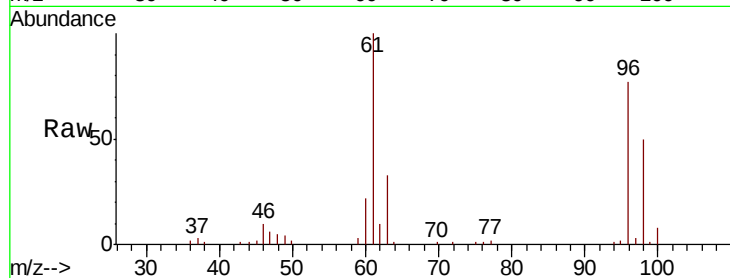
Tot Ion: 96 Resp: 41102

Ion Ratio Lower Upper

96 100

61 130.2 91.6 170.2

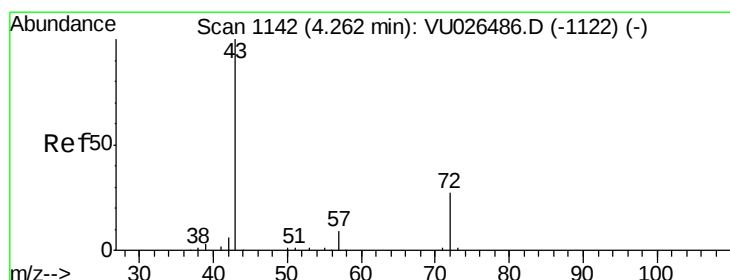
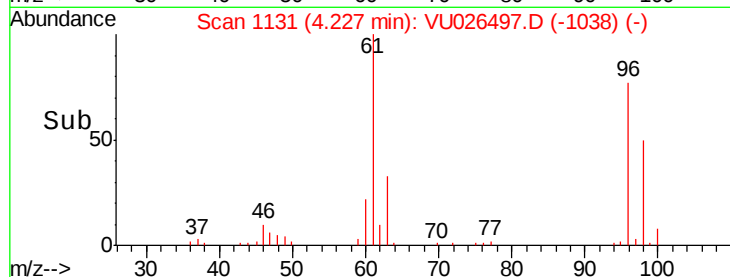
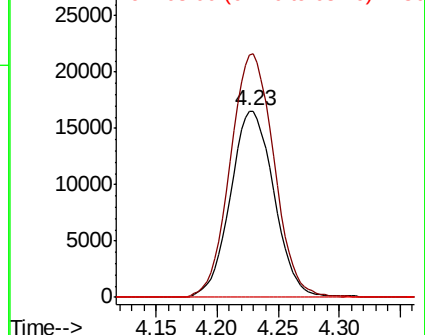
68 0.0 0.0 0.0



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: 12.92 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU026497.D

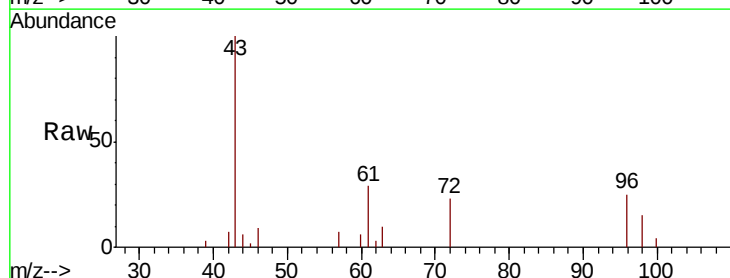
Acq: 31 Aug 2018 14:14

Tgt Ion: 43 Resp: 11041

Ion Ratio Lower Upper

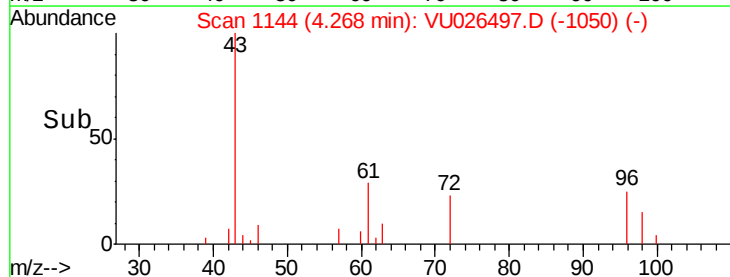
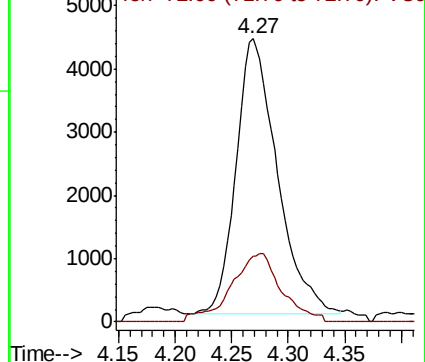
43 100

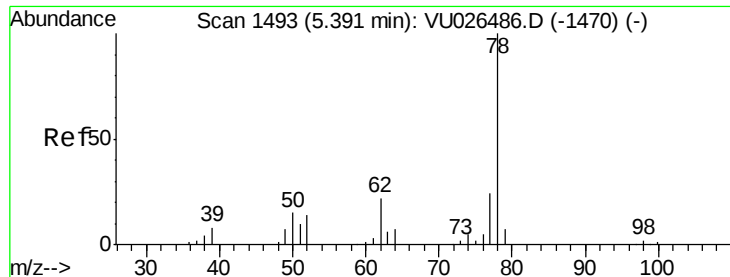
72 22.8 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

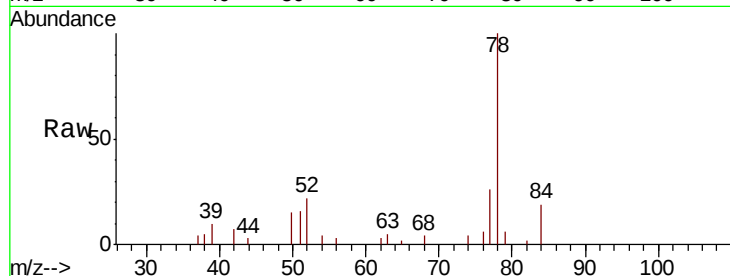




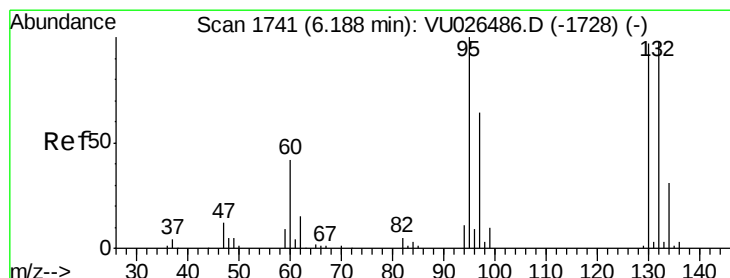
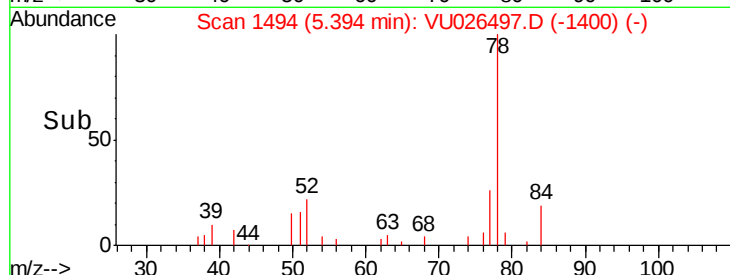
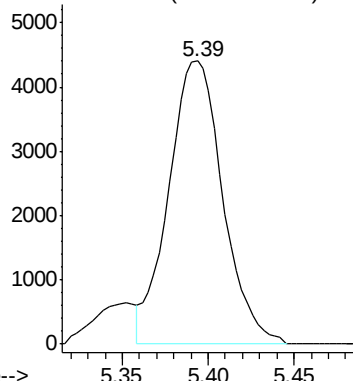
#33
Benzene
Concen: 2.37 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU026497.D
Acq: 31 Aug 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
BEE12

Tgt Ion: 78 Resp: 9668

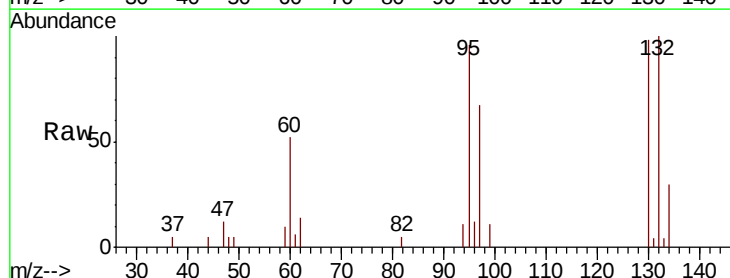


Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 5.09 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU026497.D
Acq: 31 Aug 2018 14:14

Tgt Ion: 95 Resp: 5215
Ion Ratio Lower Upper
95 100
97 69.7 45.1 83.7
132 104.0 67.5 125.3
130 102.2 69.3 128.7

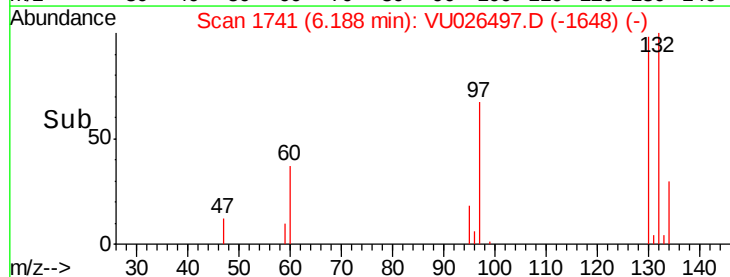
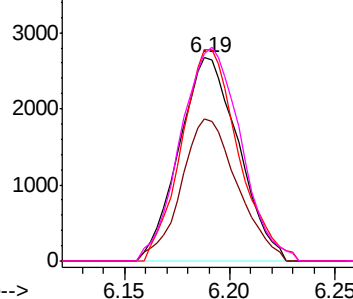


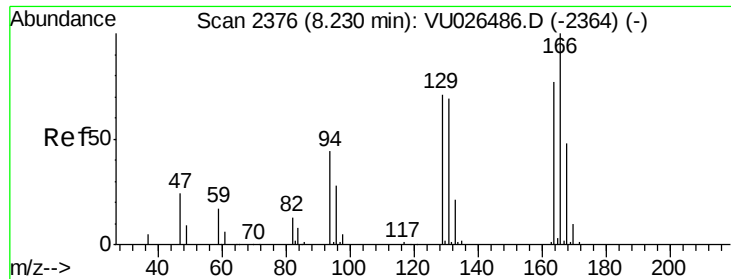
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 84.51 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026497.D

Acq: 31 Aug 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:164 Resp: 70786

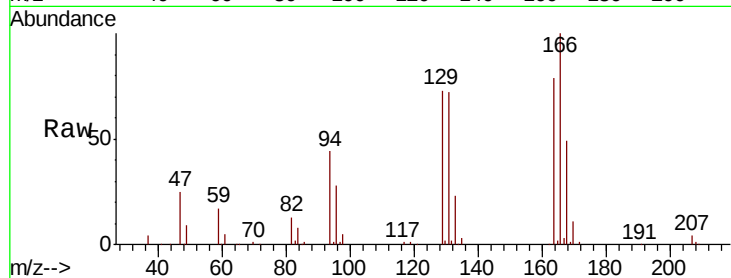
Ion Ratio Lower Upper

164 100

129 92.0 67.3 125.1

131 90.7 65.3 121.3

166 126.8 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

