

Data File : VU026496.D
Acq On : 31 Aug 2018 13:51
Operator : MD/SY
Sample : J4691-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEE11

Quant Time: Sep 01 01:03:54 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	156718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	66988	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42318	43.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.16%
7) Chloroethane-d5	1.68	69	39741	45.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.64%
11) 1,1-Dichloroethene-d2	2.27	63	63108	28.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.72%#
21) 2-Butanone-d5	4.18	46	73987	98.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.17%
24) Chloroform-d	4.65	84	85226	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
26) 1,2-Dichloroethane-d4	5.31	65	58666	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.35	84	172405	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.34%
36) 1,2-Dichloropropane-d6	6.33	67	59075	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.57	98	157985	48.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.85	79	22999	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
47) 2-Hexanone-d5	8.31	63	54646	101.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	80019	46.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	66033	54.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.66%

Target Compounds

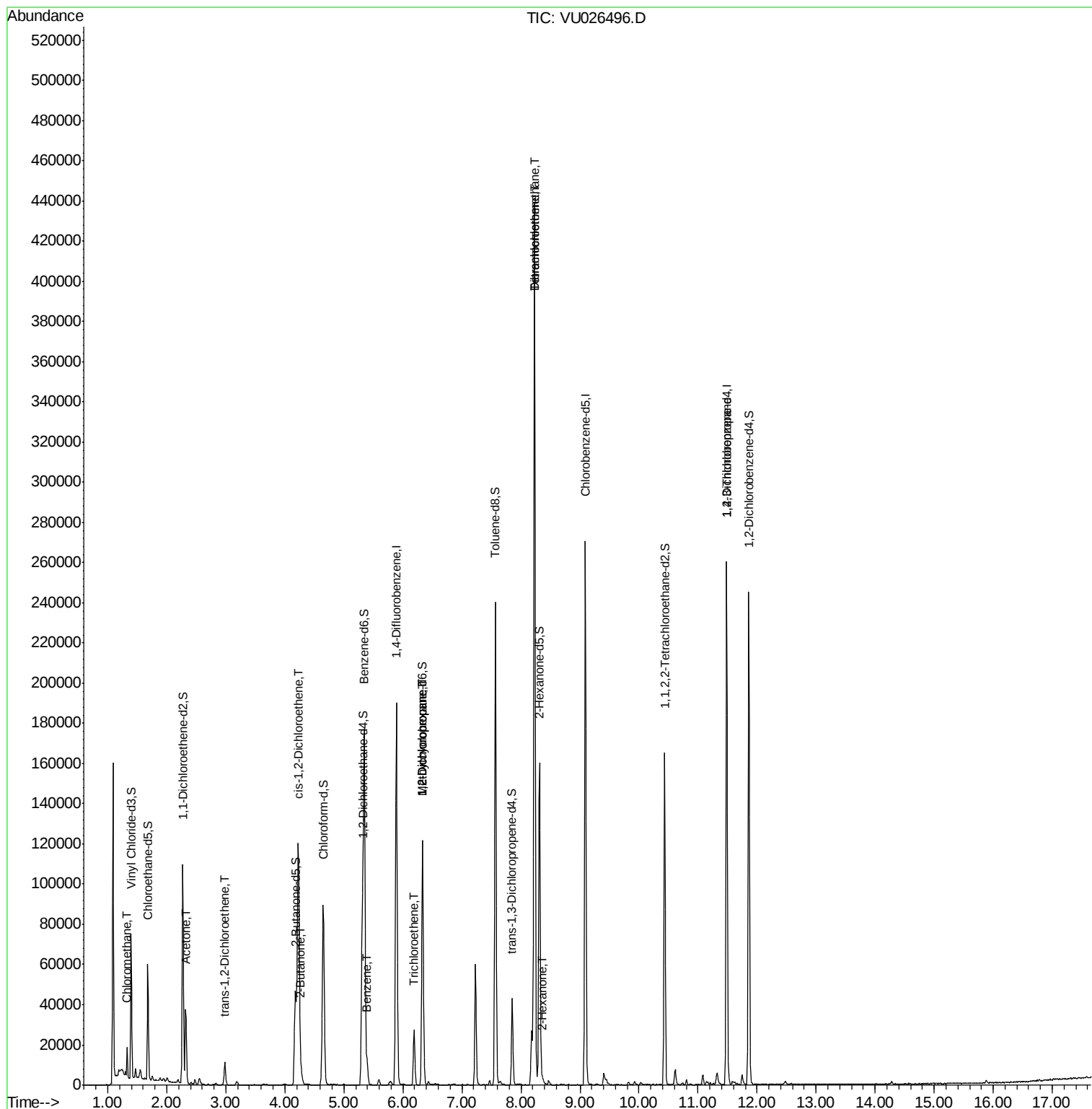
					Qvalue
3) Chloromethane	1.33	50	9490	6.290	ug/L 99
13) Acetone	2.32	43	37782	57.897	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	4438	4.386	ug/L 97
20) cis-1,2-Dichloroethene	4.23	96	66251	58.449	ug/L 99
22) 2-Butanone	4.27	43	11266	12.844	ug/L 92
33) Benzene	5.39	78	10901	2.576	ug/L 100
34) Trichloroethene	6.19	95	9745	9.180	ug/L 97
35) Methylcyclohexane	6.33	83	12800	7.722	ug/L # 18
37) 1,2-Dichloropropane	6.33	63	6223	5.311	ug/L # 88
46) Tetrachloroethene	8.23	164	97227	112.021	ug/L 96
48) 2-Hexanone	8.36	43	1779	1.429	ug/L # 85
49) Dibromochloromethane	8.23	129	90202	74.582	ug/L # 10
59) 1,2,3-Trichloropropane	11.48	75	7783	5.324	ug/L # 87

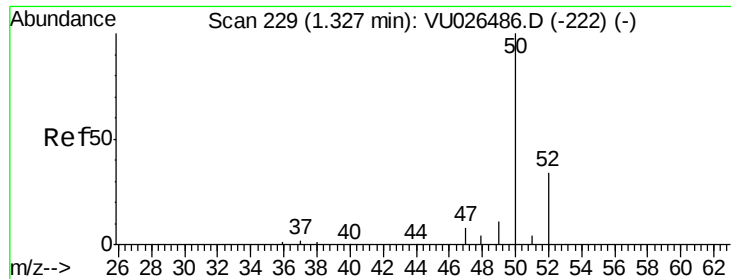
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 6.290 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

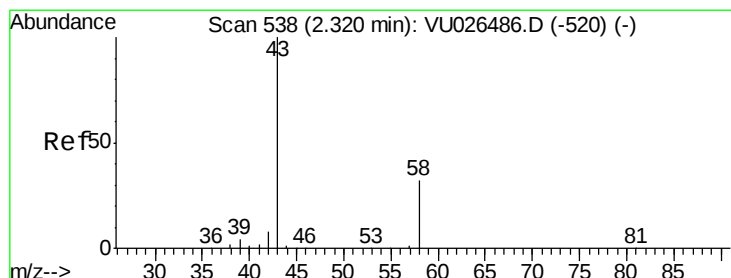
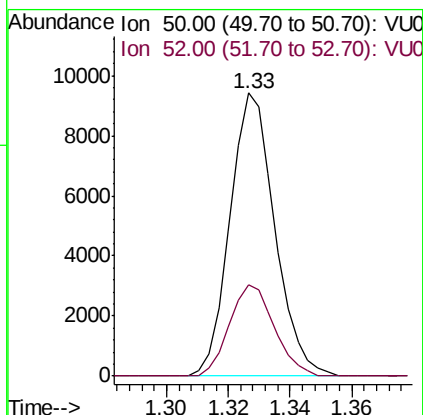
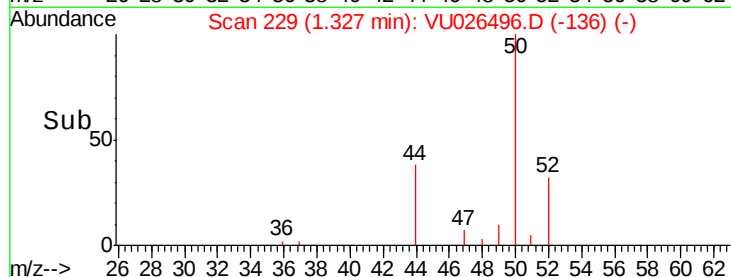
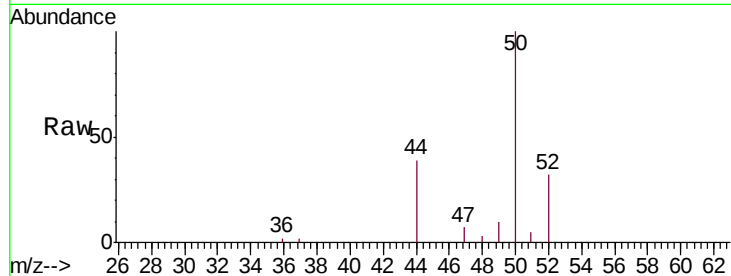
BEE11

Tgt Ion: 50 Resp: 9490

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.6



#13

Acetone

Concen: 57.897 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026496.D

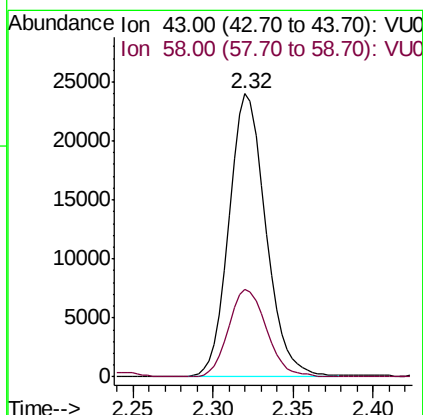
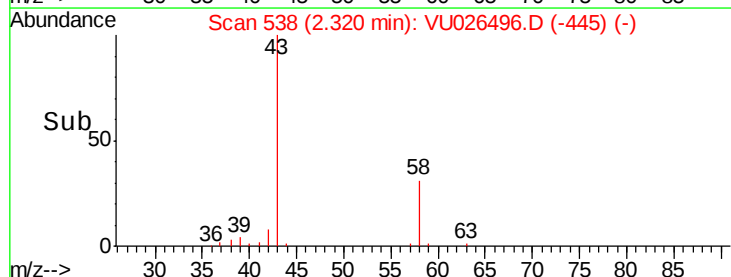
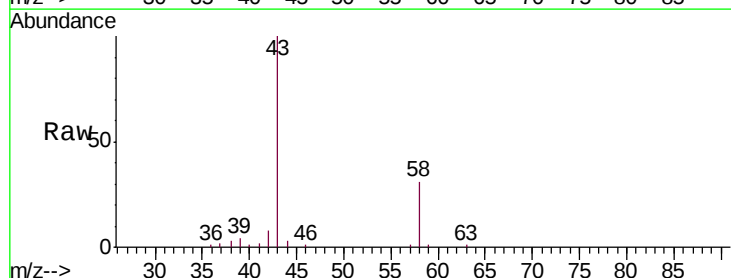
Acq: 31 Aug 2018 13:51

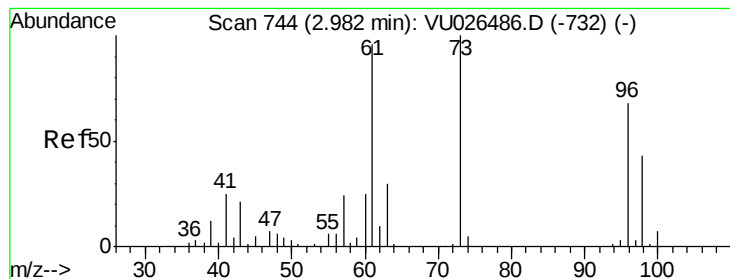
Tgt Ion: 43 Resp: 37782

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.2





#17

trans-1,2-Dichloroethene

Concen: 4.386 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

BEE11

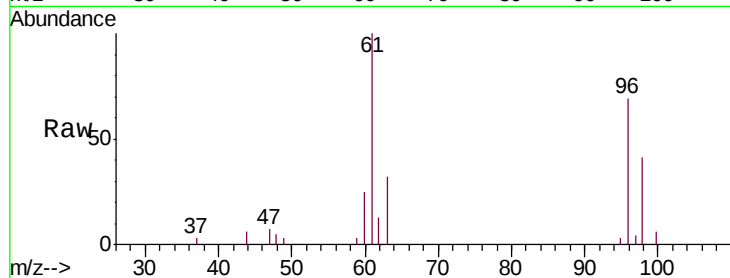
Tgt Ion: 96 Resp: 4438

Ion Ratio Lower Upper

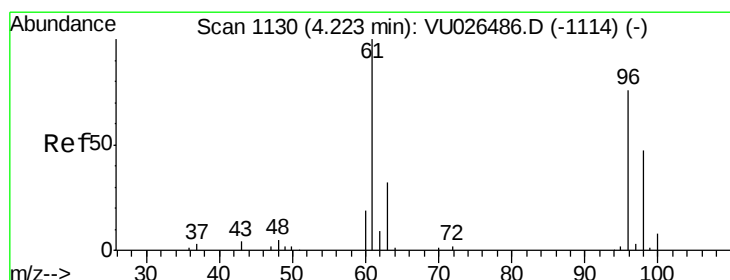
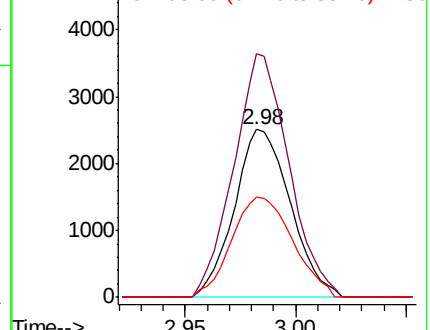
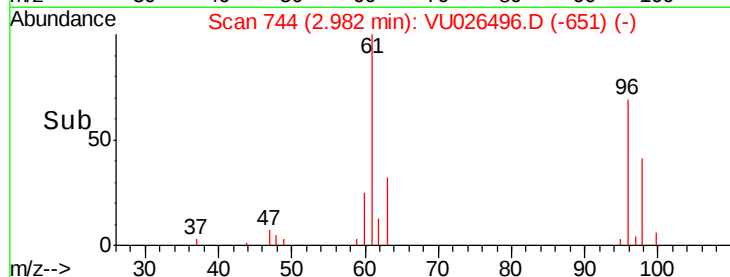
96 100

61 145.1 103.2 191.6

98 59.6 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU026496.D (-651) (-)



#20

cis-1,2-Dichloroethene

Concen: 58.449 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

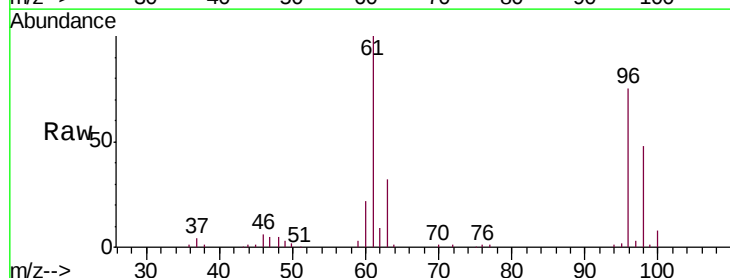
Tgt Ion: 96 Resp: 66251

Ion Ratio Lower Upper

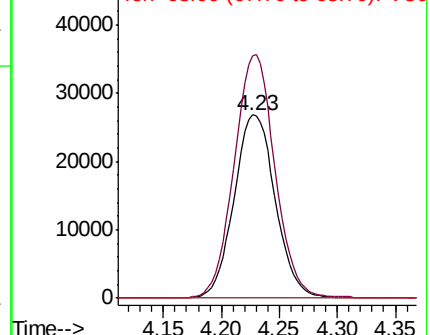
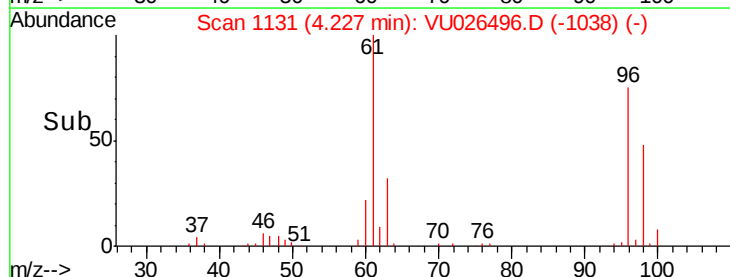
96 100

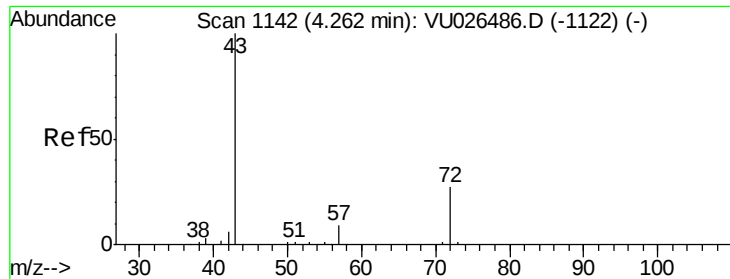
61 132.5 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU026496.D (-1038) (-)





#22

2-Butanone

Concen: 12.844 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

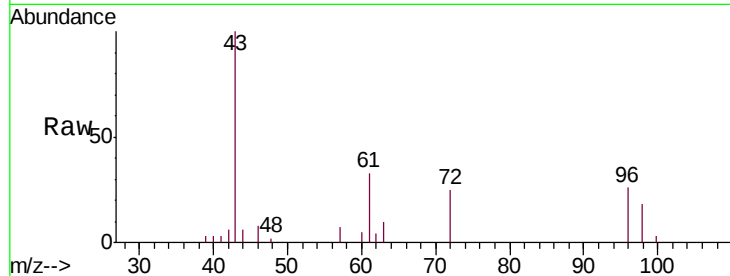
BEE11

Tgt Ion: 43 Resp: 11266

Ion Ratio Lower Upper

43 100

72 29.7 13.0 38.9



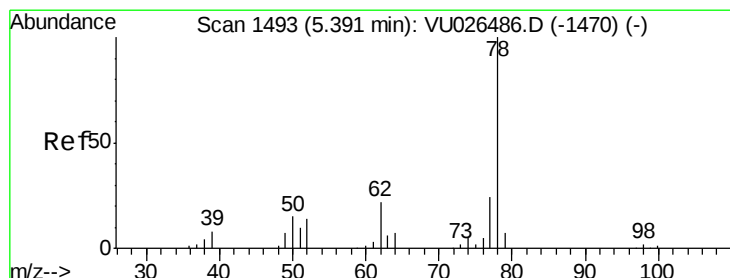
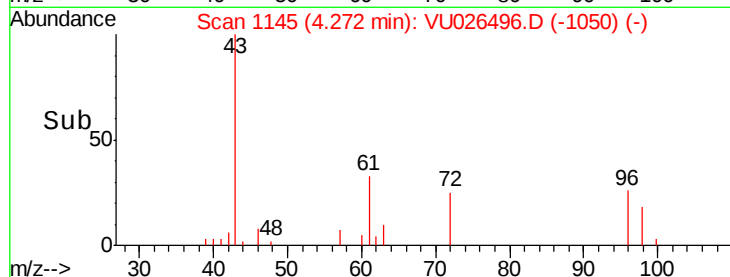
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.27

Time-->

4.20 4.25 4.30 4.35



#33

Benzene

Concen: 2.576 ug/L

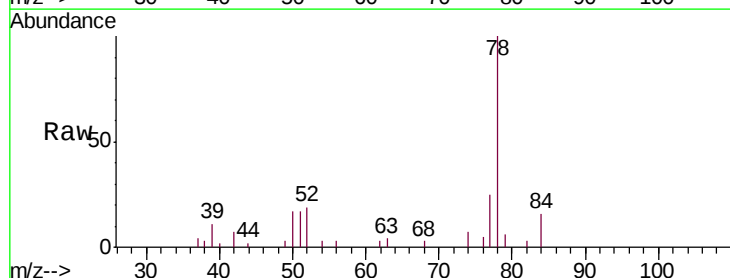
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

Tgt Ion: 78 Resp: 10901

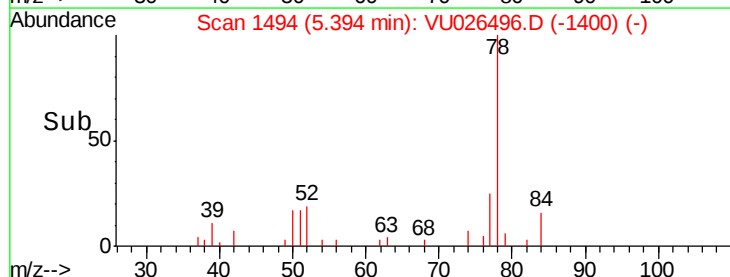


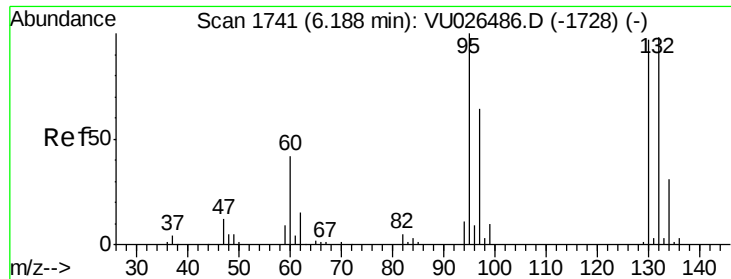
Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

Time-->

5.35 5.40 5.45

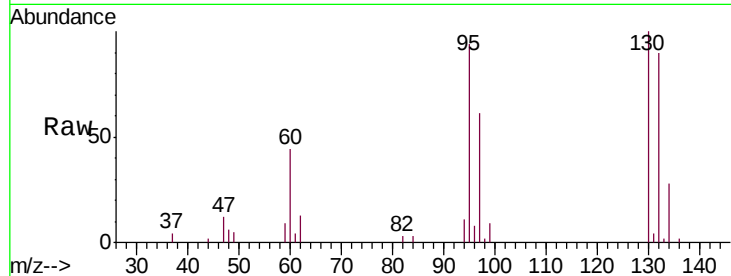




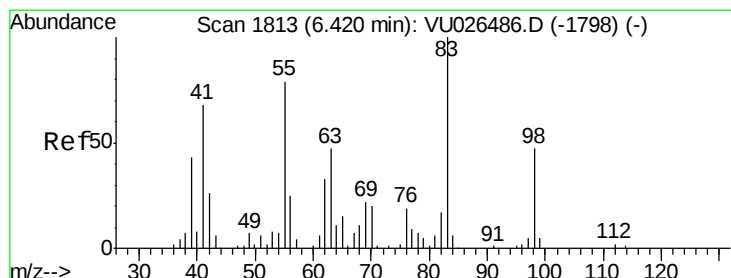
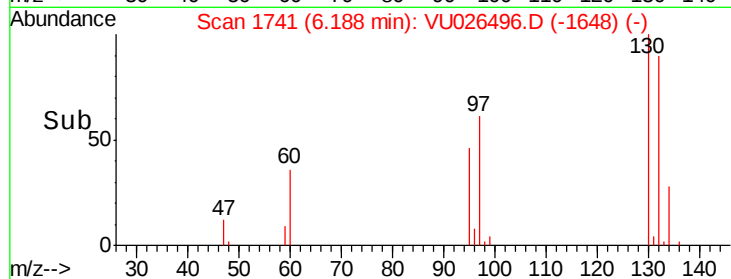
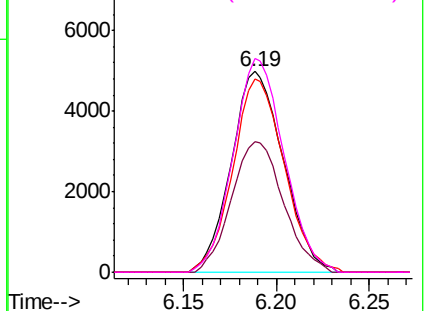
#34
 Trichloroethene
 Concen: 9.180 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026496.D
 Acq: 31 Aug 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 BEE11

Tgt Ion: 95 Resp: 9745
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.1 83.7
 132 96.1 67.5 125.3
 130 106.4 69.3 128.7

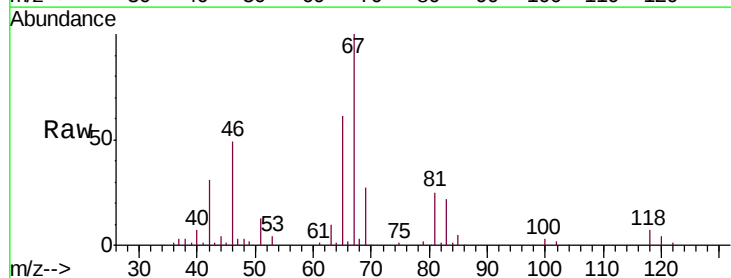


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

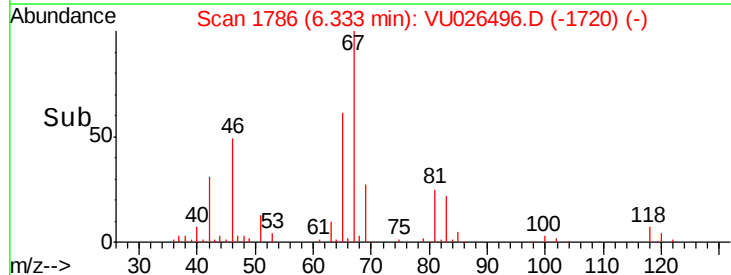
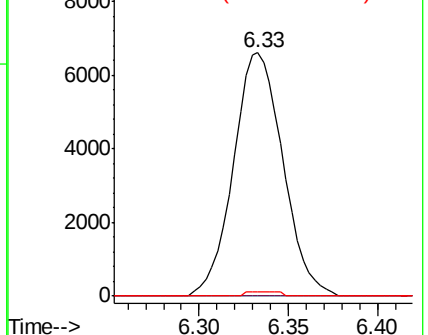


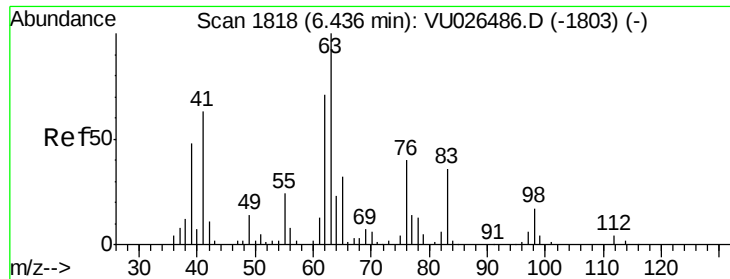
#35
 Methylcyclohexane
 Concen: 7.722 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.09 min
 Lab File: VU026496.D
 Acq: 31 Aug 2018 13:51

Tgt Ion: 83 Resp: 12800
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.3 94.9#
 98 0.7 36.7 55.1#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

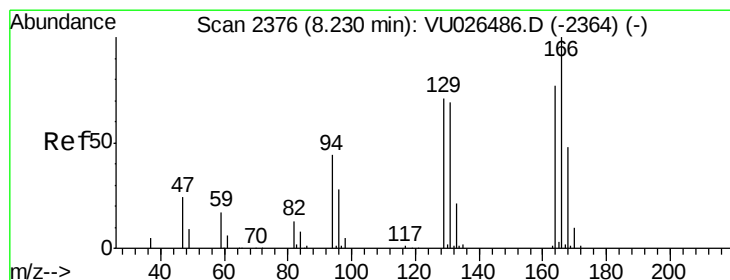
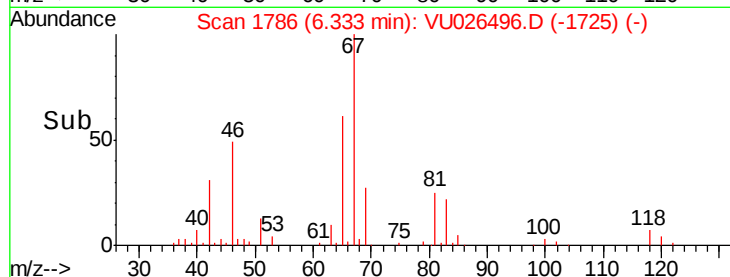
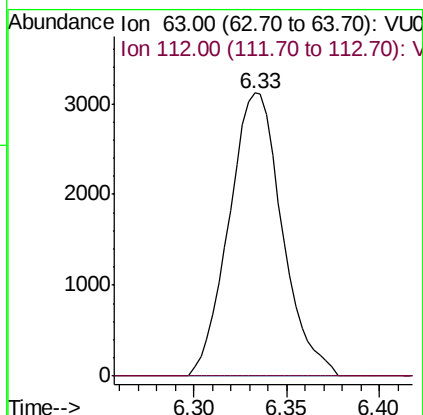
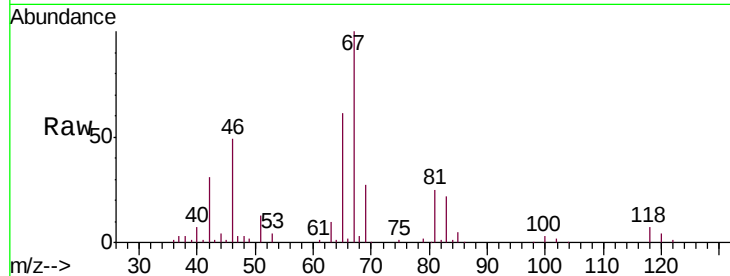




#37
 1,2-Dichloropropane
 Concen: 5.311 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026496.D
 Acq: 31 Aug 2018 13:51

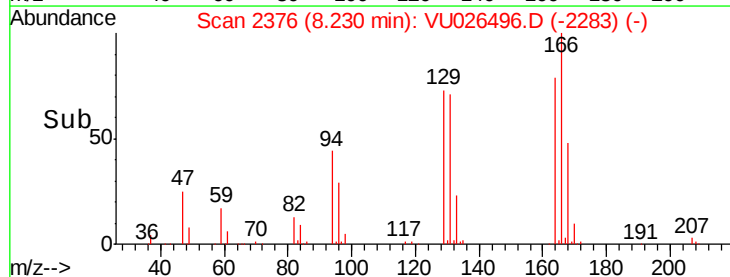
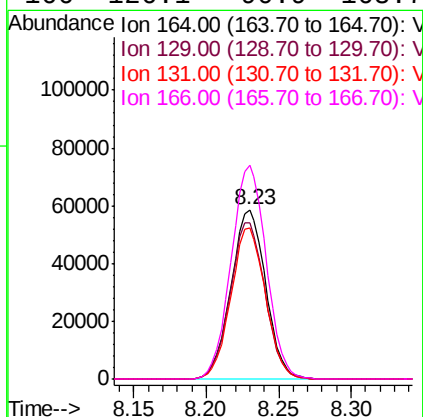
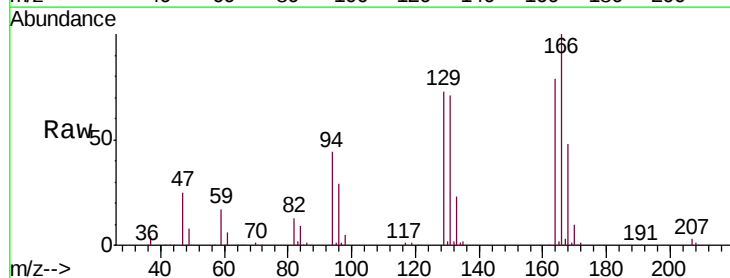
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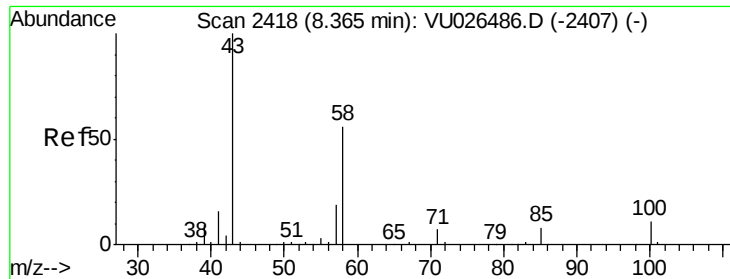
Tgt Ion: 63 Resp: 6223
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#46
 Tetrachloroethene
 Concen: 112.021 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026496.D
 Acq: 31 Aug 2018 13:51

Tgt Ion: 164 Resp: 97227
 Ion Ratio Lower Upper
 164 100
 129 92.1 67.3 125.1
 131 89.4 65.3 121.3
 166 126.1 90.9 168.7

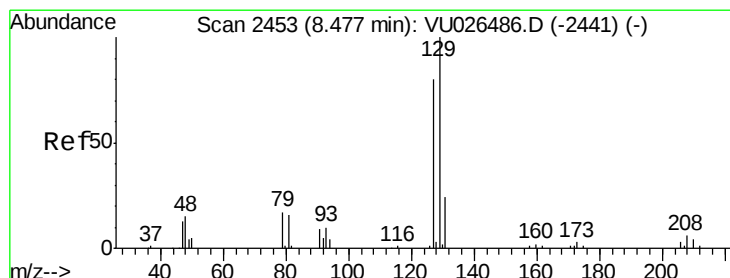
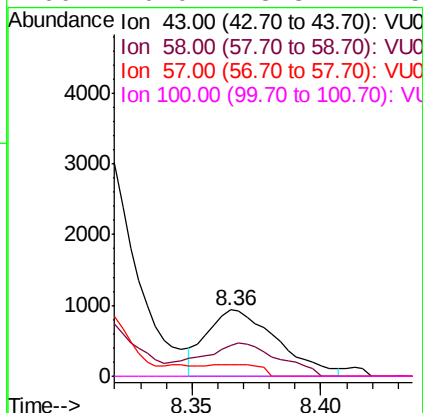
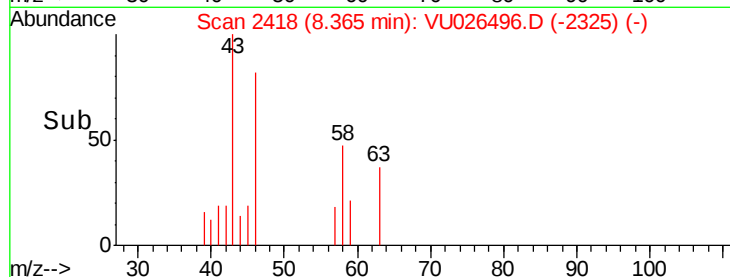
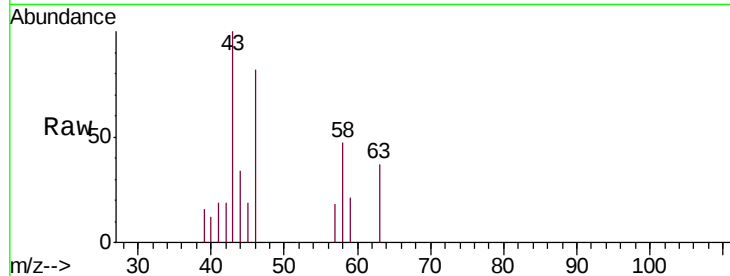




#48
2-Hexanone
Concen: 1.429 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026496.D
Acq: 31 Aug 2018 13:51

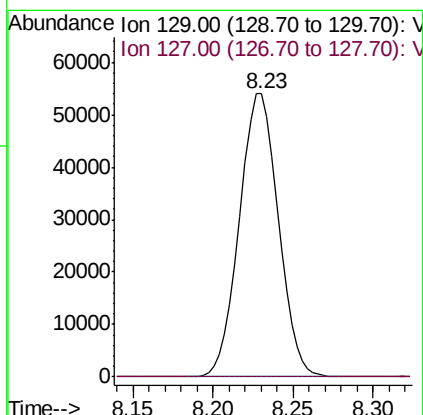
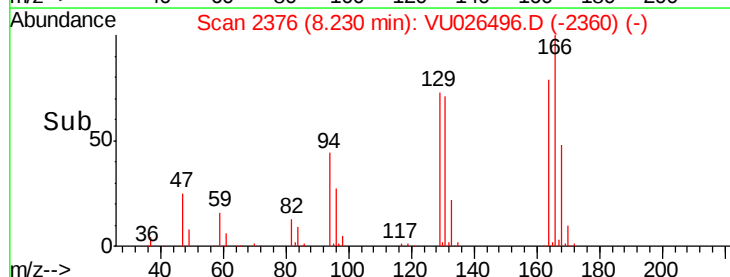
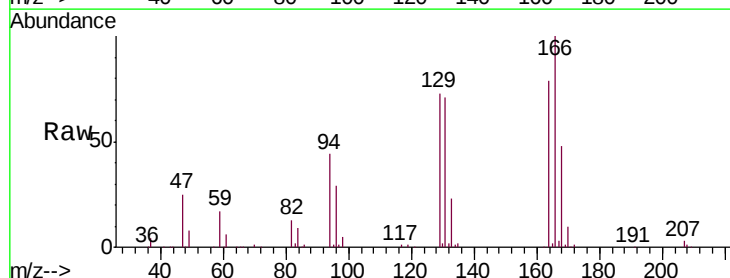
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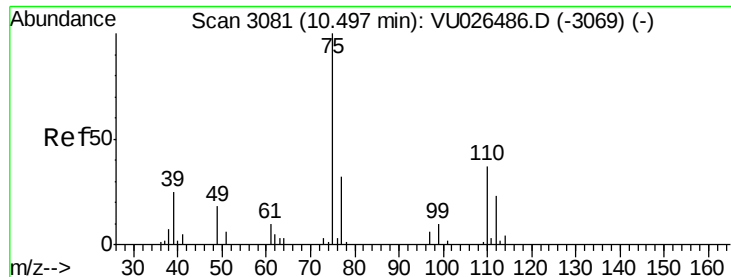
Tgt Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
58 56.2 42.2 63.4
57 1.1 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 74.582 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU026496.D
Acq: 31 Aug 2018 13:51

Tgt Ion: 129 Resp: 90202
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#





#59

1,2,3-Trichloropropane

Concen: 5.324 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026496.D

Acq: 31 Aug 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

BEE11

Tgt Ion: 75 Resp: 7783

Ion Ratio Lower Upper

75 100

77 38.7 25.0 37.6#

