

Data File : VU034731.D
Acq On : 23 Sep 2019 14:05
Operator : JC/SP
Sample : K4984-02DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEDP3DL

Quant Time: Sep 24 01:56:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	490502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	464008	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	215302	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	222204	44.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.50%
7) Chloroethane-d5	1.67	69	178910	46.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.26	63	308537	36.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.56%
21) 2-Butanone-d5	4.15	46	418669	108.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.79%
24) Chloroform-d	4.62	84	326496	44.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	5.29	65	274974	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
32) Benzene-d6	5.32	84	752302	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.62%
36) 1,2-Dichloropropane-d6	6.31	67	265619	52.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.68%
41) Toluene-d8	7.54	98	717875	52.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.92%
43) trans-1,3-Dichloropropene-	7.83	79	122397	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.68%
47) 2-Hexanone-d5	8.29	63	267626	106.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	351994	50.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.94%
64) 1,2-Dichlorobenzene-d4	11.84	152	251154	55.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.26%

Target Compounds

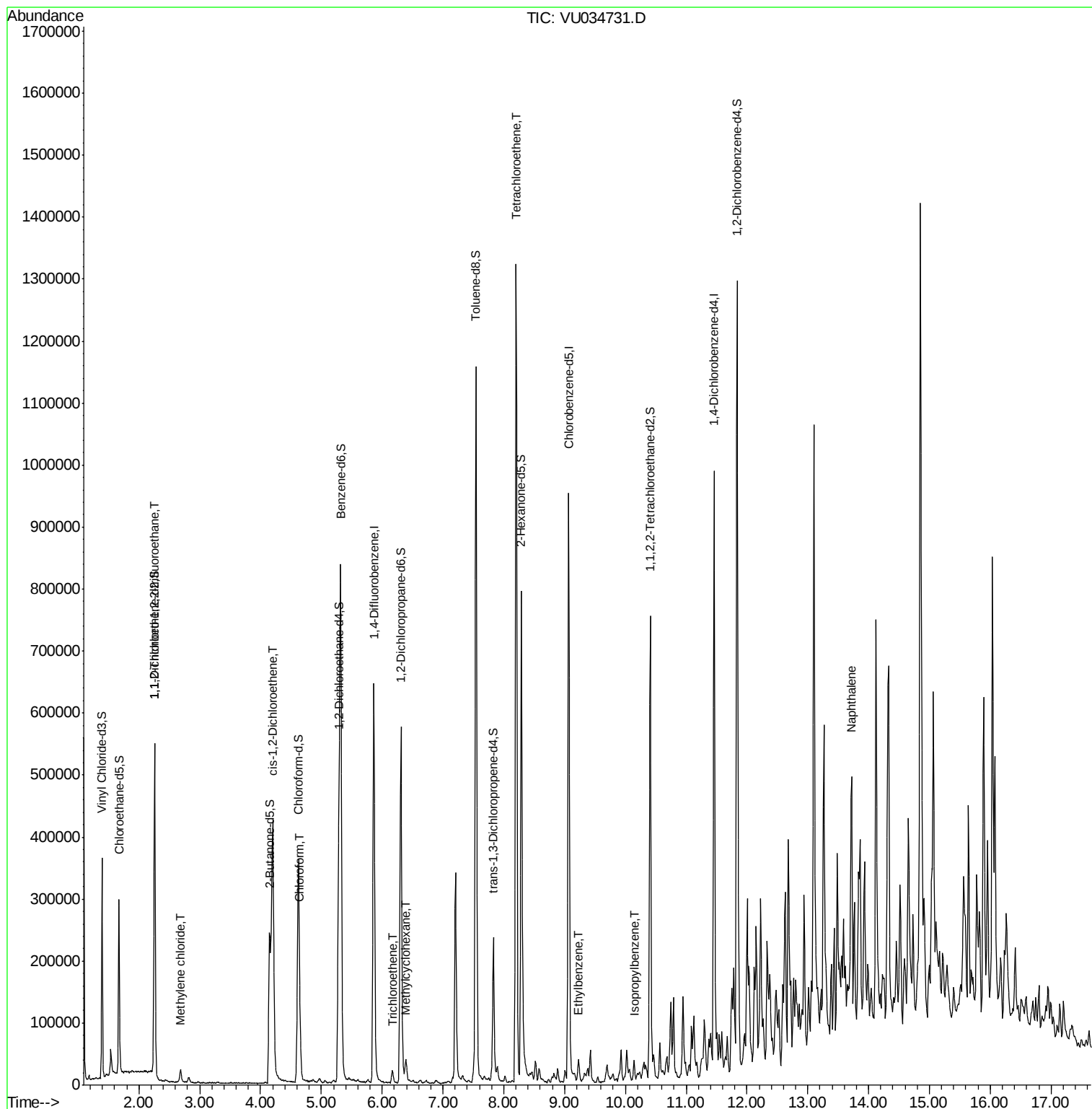
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2692	0.805 ug/L #	24
16) Methylene chloride	2.68	84	7811	1.921 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	203627	49.634 ug/L	98
25) Chloroform	4.65	83	39872	5.030 ug/L	93
34) Trichloroethene	6.17	95	6028	1.517 ug/L	83
35) Methylcyclohexane	6.39	83	12647	1.875 ug/L #	92
46) Tetrachloroethene	8.21	164	261297	93.466 ug/L	96
52) Ethylbenzene	9.23	91	21453	1.095 ug/L	98
56) Isopropylbenzene	10.14	105	17182	0.929 ug/L	96
69) Naphthalene	13.72	128	233031	17.135 ug/L	97

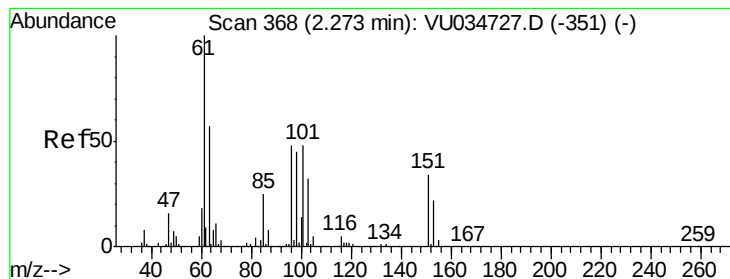
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.805 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

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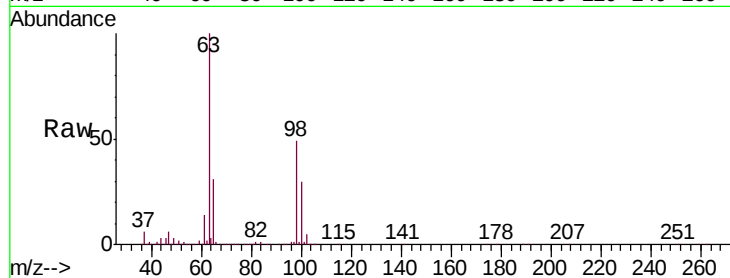
Tgt Ion:101 Resp: 2692

Ion Ratio Lower Upper

101 100

85 1.4 39.0 58.4#

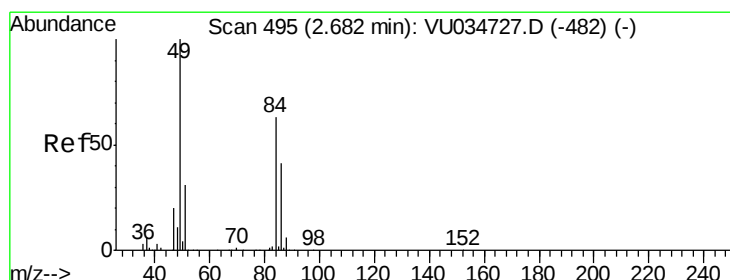
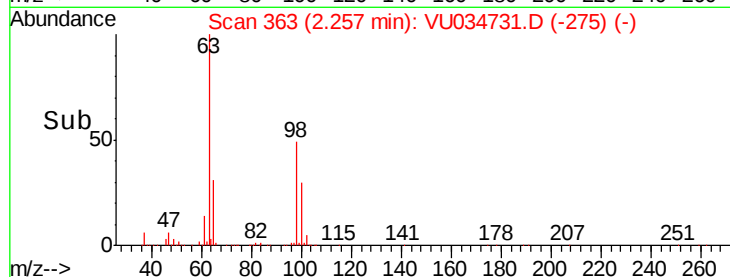
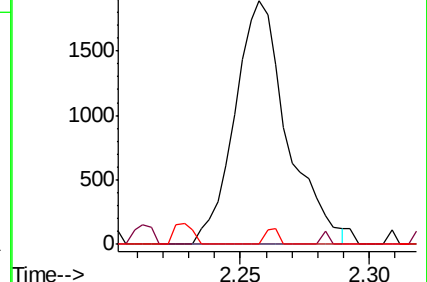
151 1.6 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 1.921 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034731.D

Acq: 23 Sep 2019 14:05

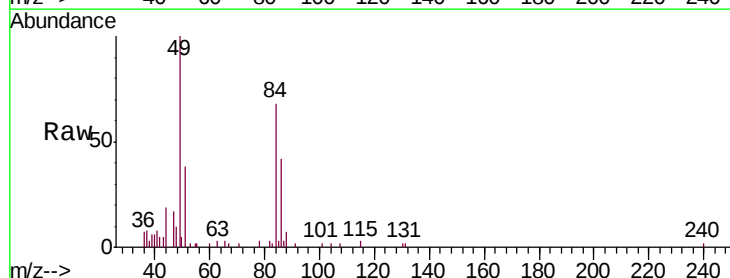
Tgt Ion: 84 Resp: 7811

Ion Ratio Lower Upper

84 100

86 61.5 43.0 80.0

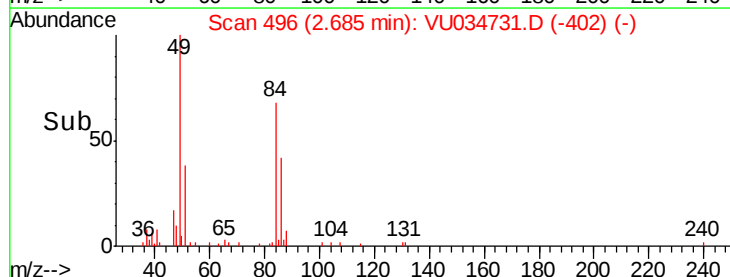
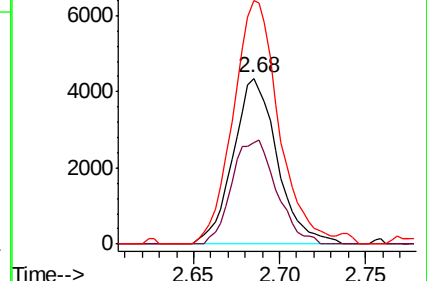
49 146.7 109.7 203.7

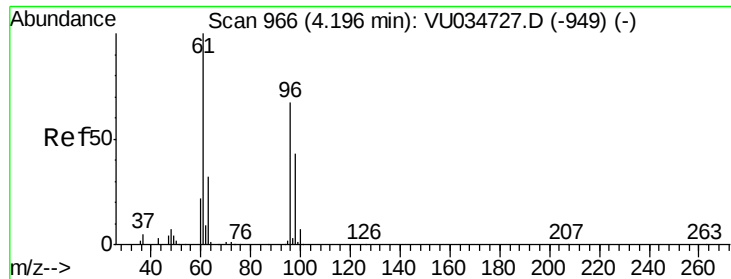


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

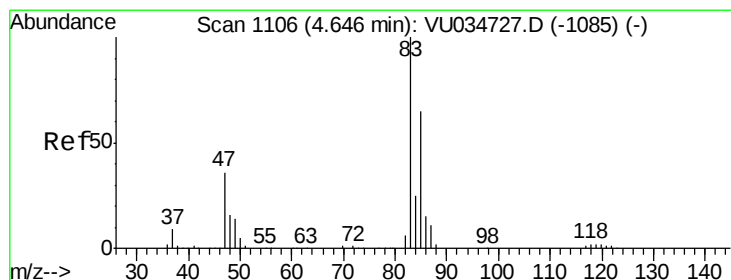
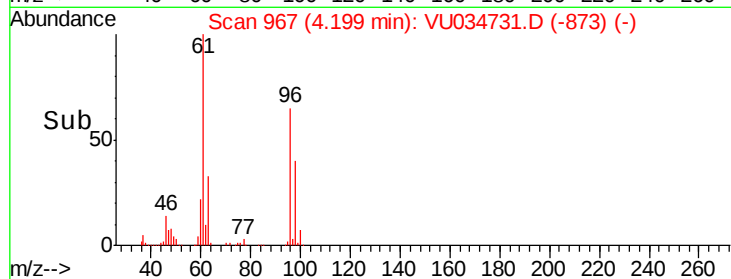
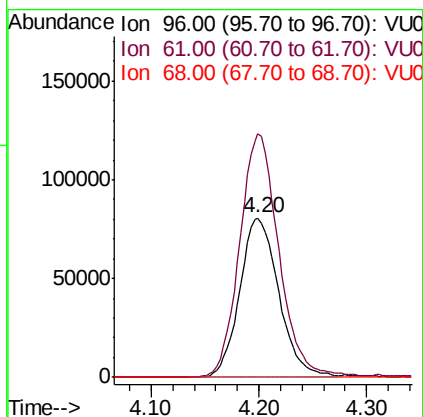
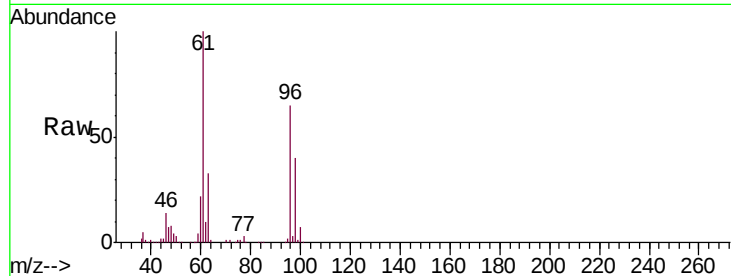




#20
 cis-1,2-Dichloroethene
 Concen: 49.634 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034731.D
 Acq: 23 Sep 2019 14:05

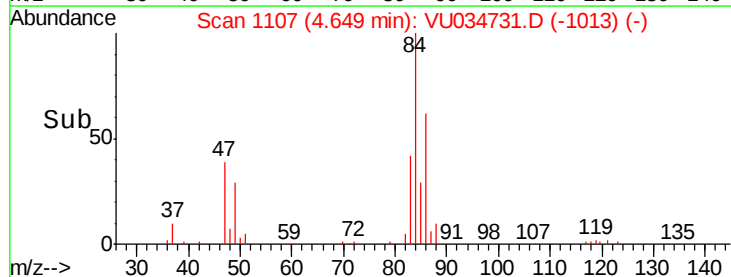
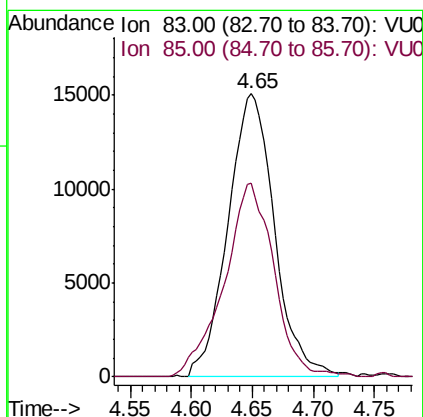
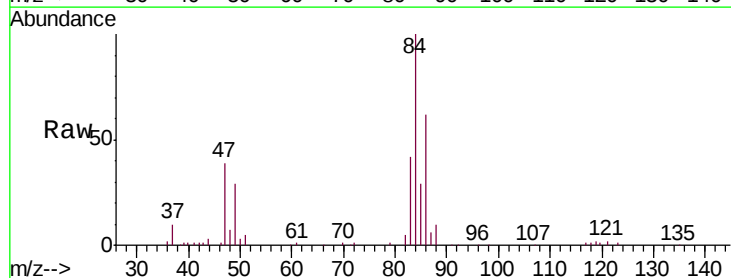
Instrument :
 MSVOA_U
 ClientSampleId :
 BEDP3DL

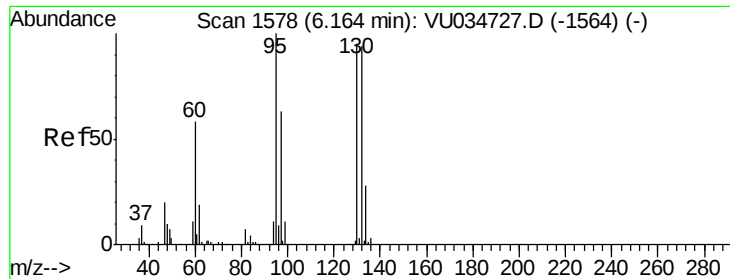
Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.8	108.8	202.2
68	0.0	0.0	0.0



#25
 Chloroform
 Concen: 5.030 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU034731.D
 Acq: 23 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	44.0	81.6

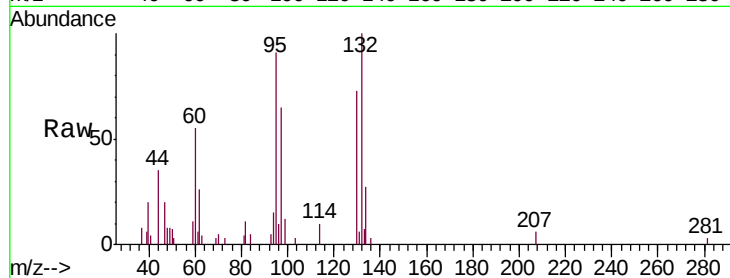




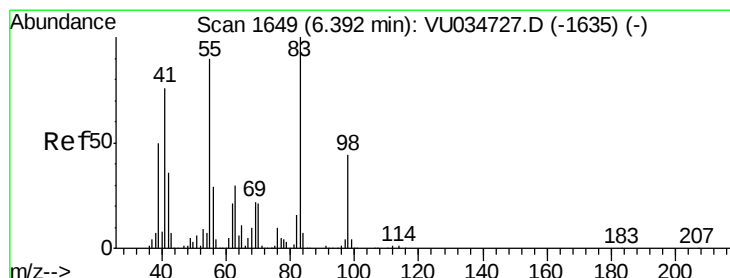
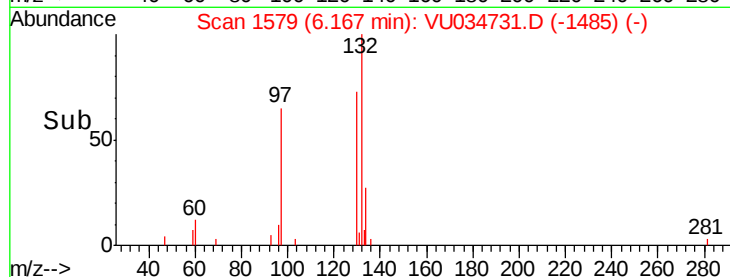
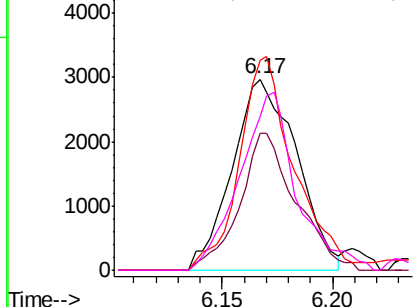
#34
 Trichloroethene
 Concen: 1.517 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034731.D
 Acq: 23 Sep 2019 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 BEDP3DL

Tgt Ion: 95 Resp: 6028
 Ion Ratio Lower Upper
 95 100
 97 71.7 43.7 81.1
 132 109.7 61.0 113.2
 130 80.6 65.7 121.9

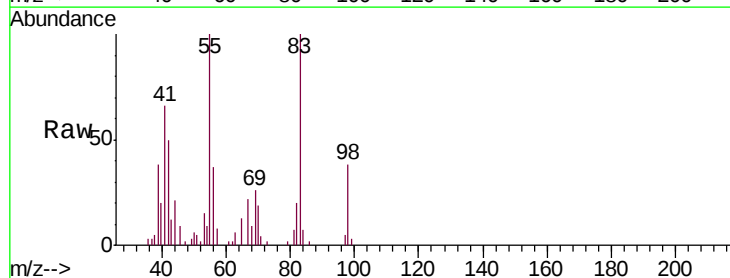


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

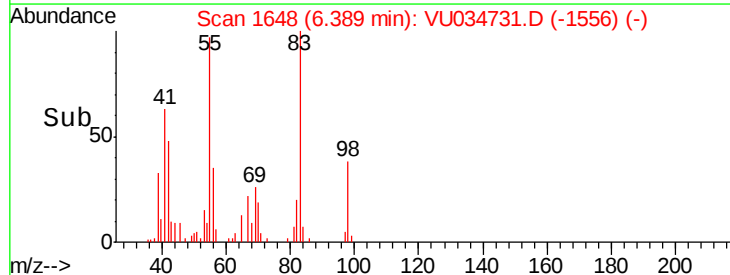
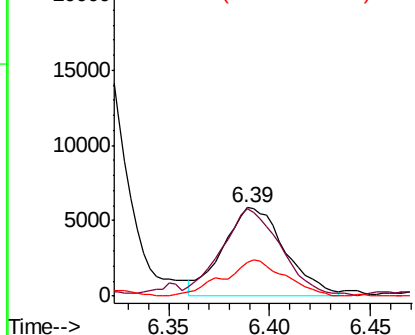


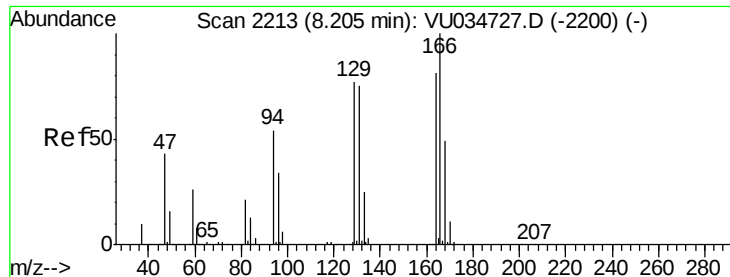
#35
 Methylcyclohexane
 Concen: 1.875 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU034731.D
 Acq: 23 Sep 2019 14:05

Tgt Ion: 83 Resp: 12647
 Ion Ratio Lower Upper
 83 100
 55 91.0 71.6 107.4
 98 31.0 35.7 53.5#



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





#46

Tetrachloroethene

Concen: 93.466 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034731.D

Acq: 23 Sep 2019 14:05

Instrument :

MSVOA_U

ClientSampleId :

BEDP3DL

Tgt Ion:164 Resp: 261297

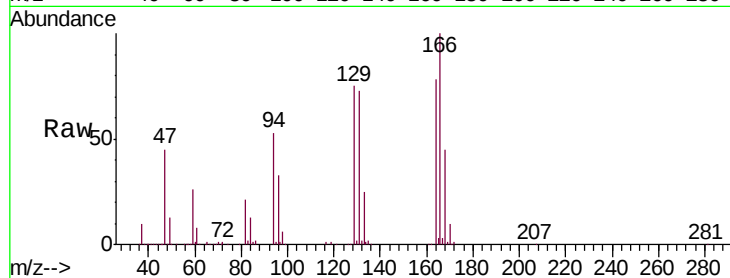
Ion Ratio Lower Upper

164 100

129 95.8 71.9 133.5

131 94.1 66.3 123.1

166 128.1 93.4 173.6

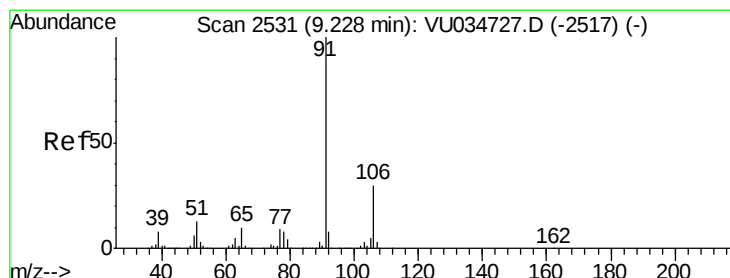
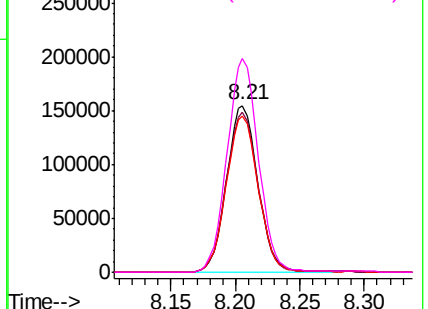
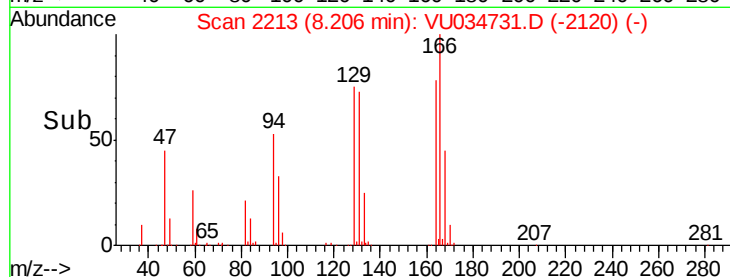


Abundance Ion 164.00 (163.70 to 164.70): V

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



#52

Ethylbenzene

Concen: 1.095 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034731.D

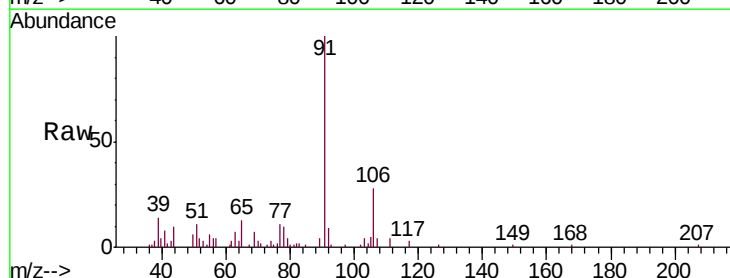
Acq: 23 Sep 2019 14:05

Tgt Ion: 91 Resp: 21453

Ion Ratio Lower Upper

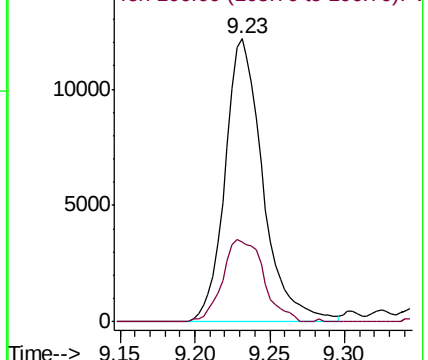
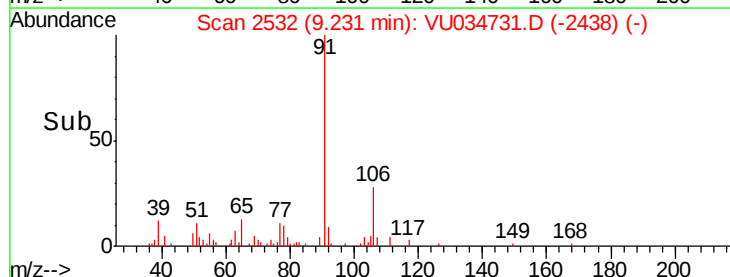
91 100

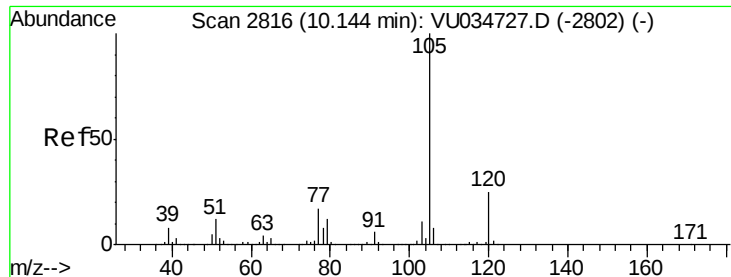
106 28.3 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#56

Isopropylbenzene

Concen: 0.929 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034731.D

Acq: 23 Sep 2019 14:05

Instrument :

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ClientSampleId :

BEDP3DL

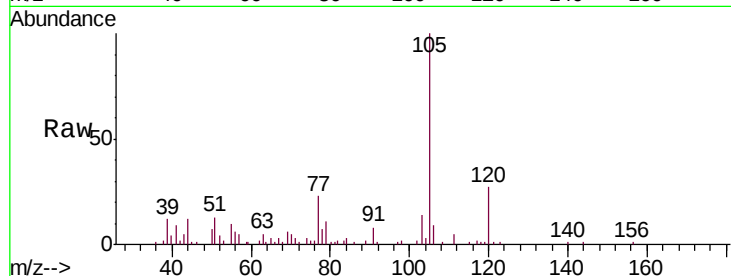
Tgt Ion:105 Resp: 17182

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

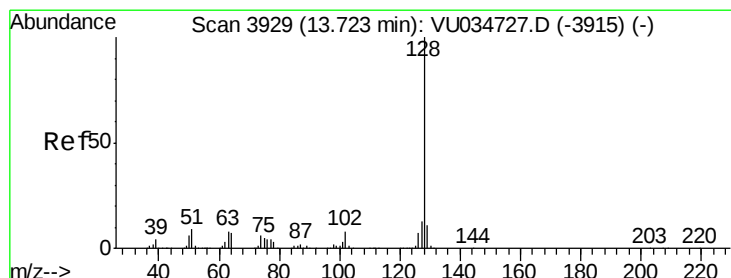
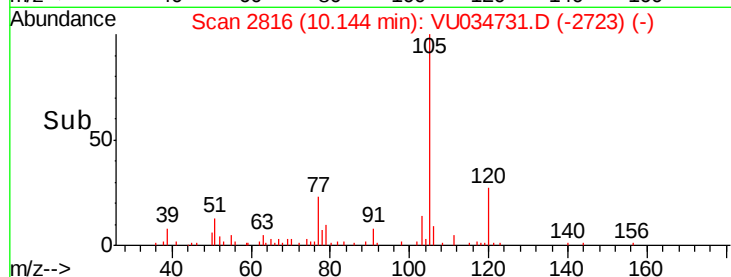
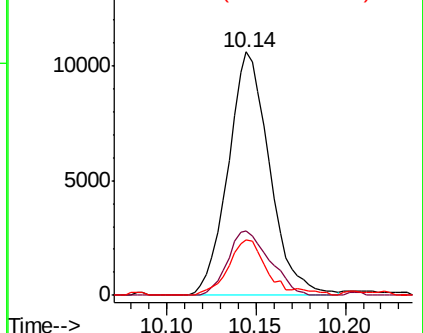
77 20.3 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#69

Naphthalene

Concen: 17.135 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034731.D

Acq: 23 Sep 2019 14:05

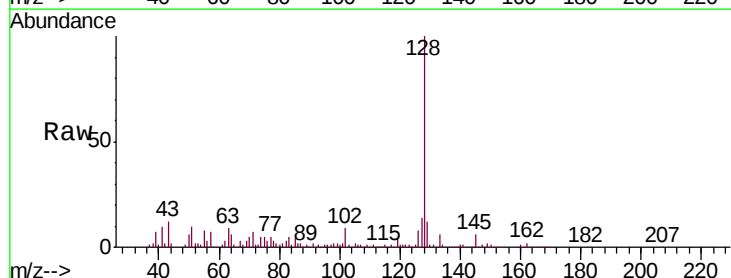
Tgt Ion:128 Resp: 233031

Ion Ratio Lower Upper

128 100

127 12.5 10.8 16.2

129 12.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

