

Data File : VU034689.D
Acq On : 20 Sep 2019 15:21
Operator : JC/SP
Sample : K4984-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEDP3

Quant Time: Sep 21 02:33:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 21 02:29:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	451348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	394094	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	159531	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	206796	44.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.52%
7) Chloroethane-d5	1.67	69	172026	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.34%
11) 1,1-Dichloroethene-d2	2.26	63	274211	35.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.08%
21) 2-Butanone-d5	4.15	46	397152	112.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.15%
24) Chloroform-d	4.62	84	330664	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.28	65	247878	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
32) Benzene-d6	5.32	84	639087	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
36) 1,2-Dichloropropane-d6	6.31	67	235639	55.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.38%
41) Toluene-d8	7.54	98	573603	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%
43) trans-1,3-Dichloropropene-	7.83	79	107664	52.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.30%
47) 2-Hexanone-d5	8.29	63	249479	116.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	303360	51.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.42%
64) 1,2-Dichlorobenzene-d4	11.84	152	171721	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2360	0.767	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	5761	1.951	ug/L #	1
13) Acetone	2.31	43	12372	3.003	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	4322756	1145.082	ug/L	99
29) Cyclohexane	4.98	56	10615	1.632	ug/L #	31
34) Trichloroethene	6.16	95	103642	30.703	ug/L	98
35) Methylcyclohexane	6.39	83	33736	5.889	ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	8816	1.442	ug/L	86
45) 1,1,2-Trichloroethane	8.03	97	4708	1.444	ug/L #	17
46) Tetrachloroethene	8.21	164	2540229	1069.833	ug/L	97
48) 2-Hexanone	8.29	43	36800	6.064	ug/L #	69
52) Ethylbenzene	9.23	91	265751	15.976	ug/L	95
53) m,p-Xylene	9.36	106	8849	1.502	ug/L	88
54) o-xylene	9.76	106	11325	1.943	ug/L	95
56) Isopropylbenzene	10.14	105	120260	7.654	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	9184	1.632	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	3499	2.949	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092019\
Quantitation Report (Not Reviewed)

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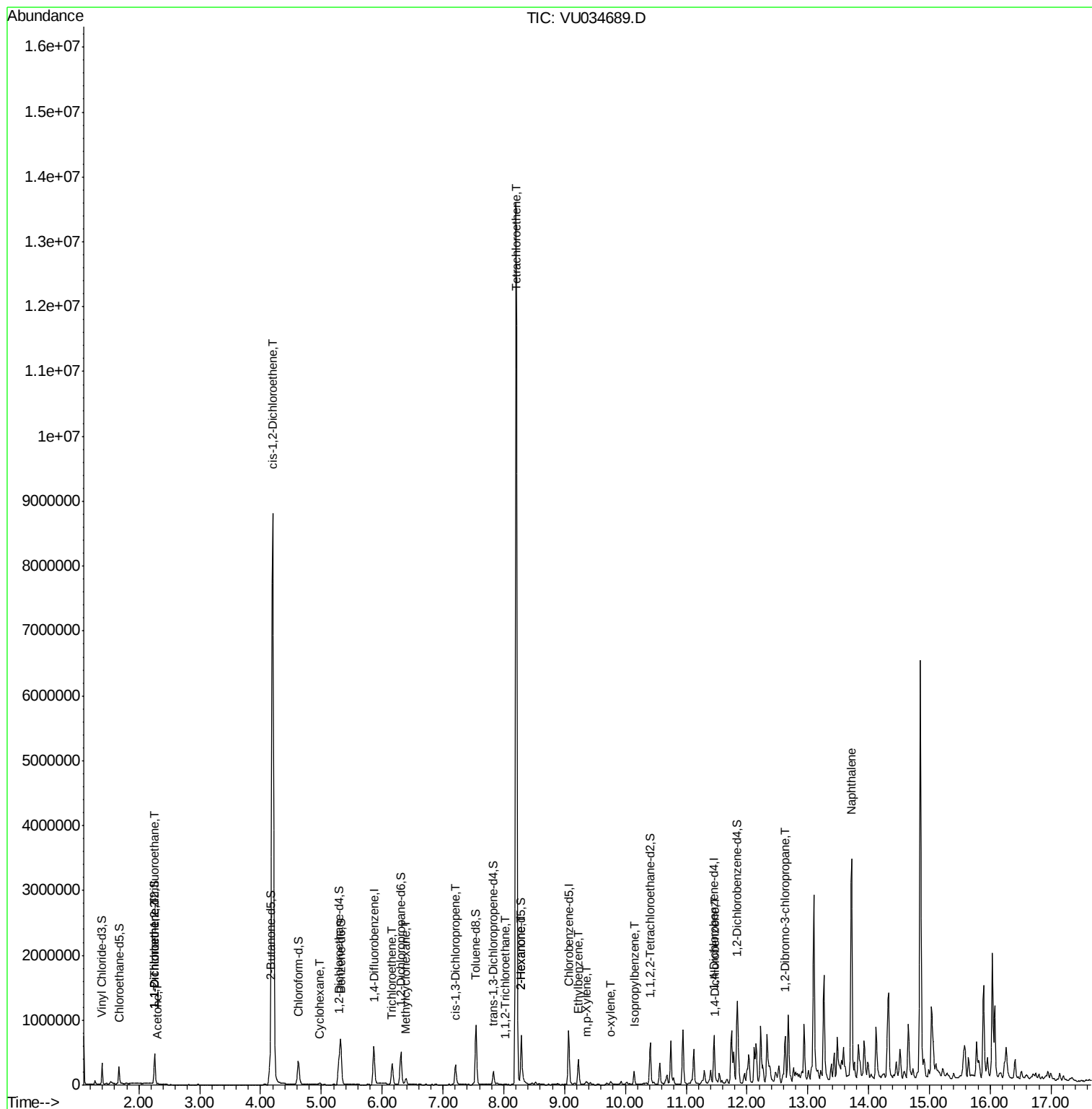
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.72	128	2368768	235.065	ug/L	99

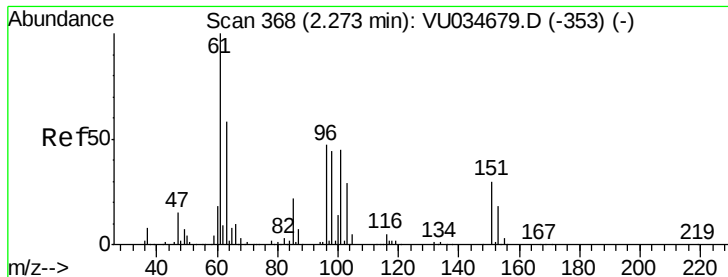
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.767 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

BEDP3

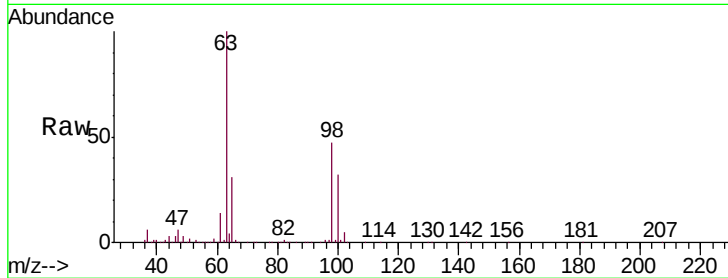
Tgt Ion: 101 Resp: 2360

Ion Ratio Lower Upper

101 100

85 2.0 39.0 58.4#

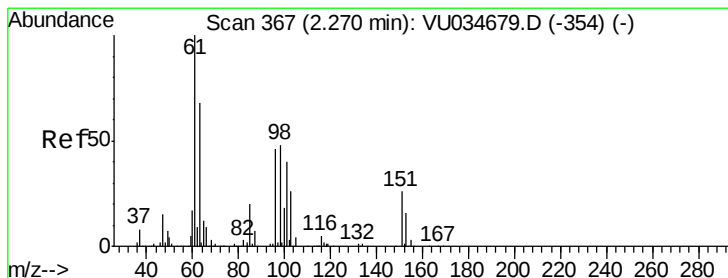
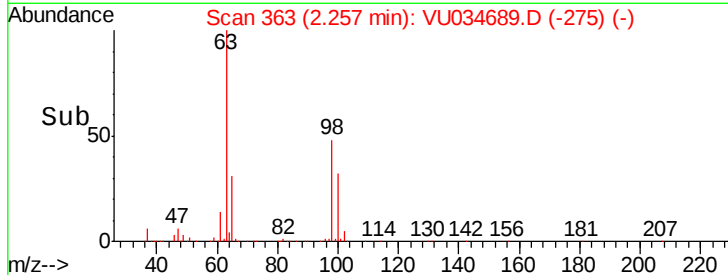
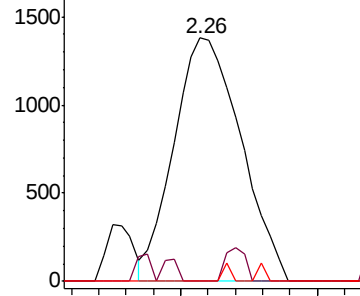
151 0.0 52.8 79.2#



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



#12

1,1-Dichloroethene

Concen: 1.951 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

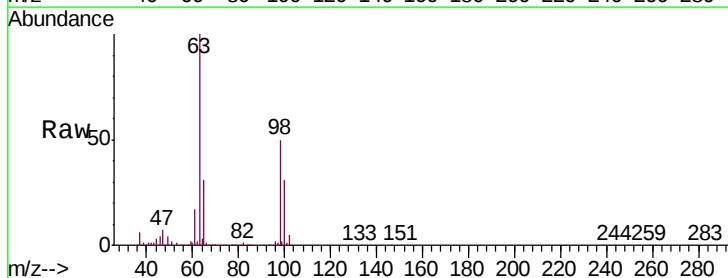
Tgt Ion: 96 Resp: 5761

Ion Ratio Lower Upper

96 100

61 686.0 153.2 284.4#

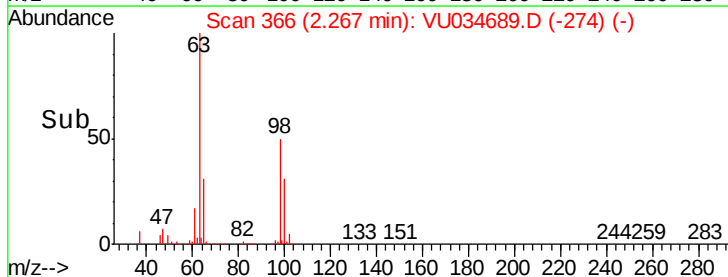
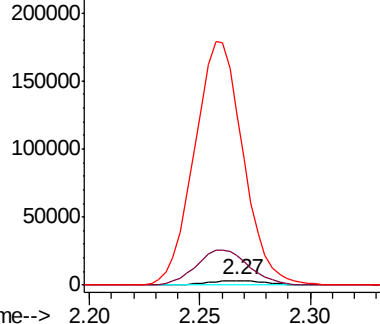
63 4059.0 113.8 211.3#

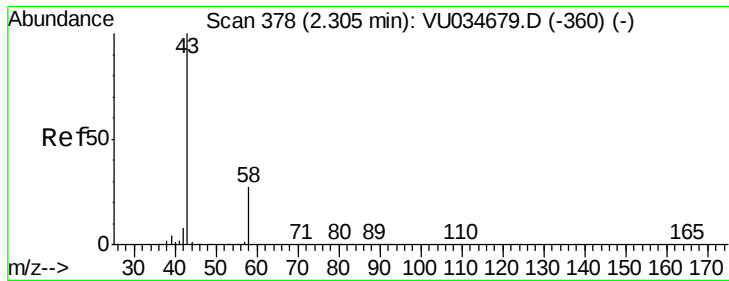


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.003 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

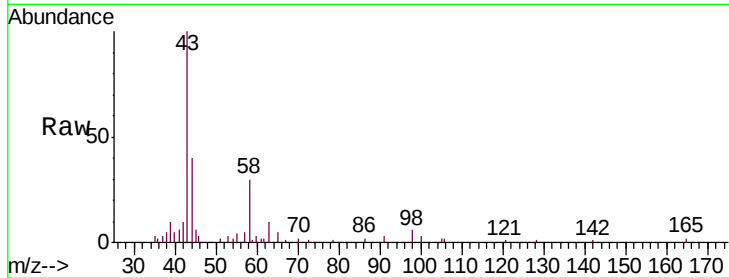
BEDP3

Tgt Ion: 43 Resp: 12372

Ion Ratio Lower Upper

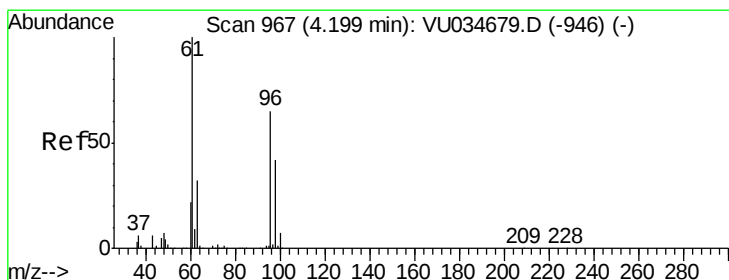
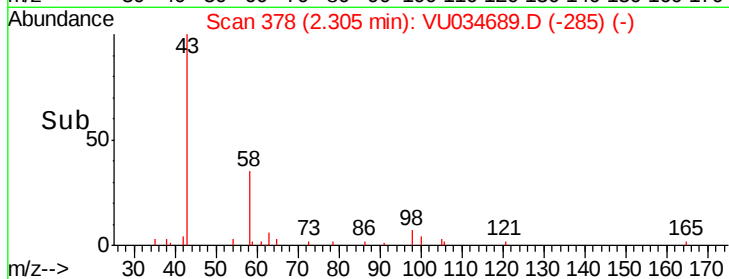
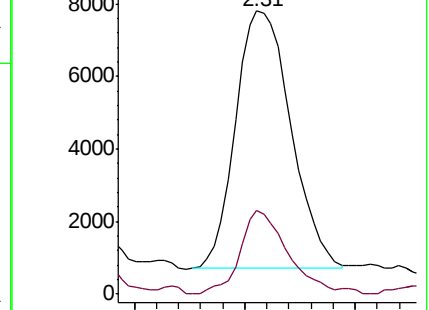
43 100

58 27.8 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034679.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU034679.D (-360) (-)



#20

cis-1,2-Dichloroethene

Concen: 1145.082 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

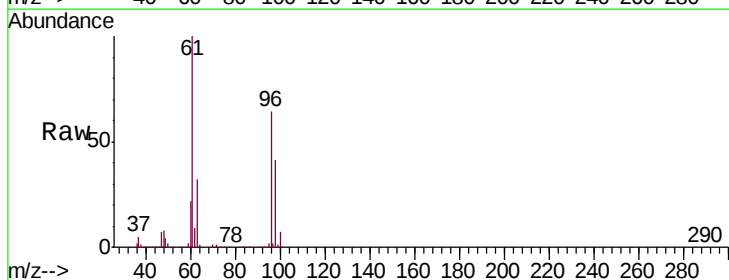
Tgt Ion: 96 Resp: 4322756

Ion Ratio Lower Upper

96 100

61 157.0 108.8 202.2

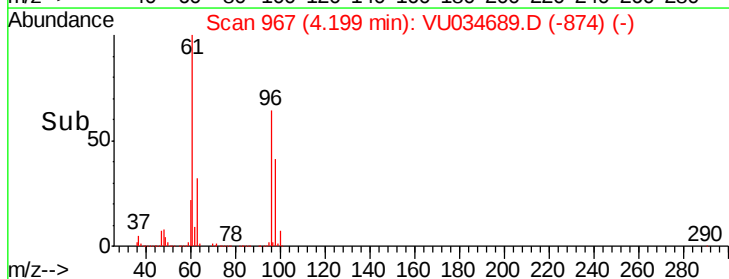
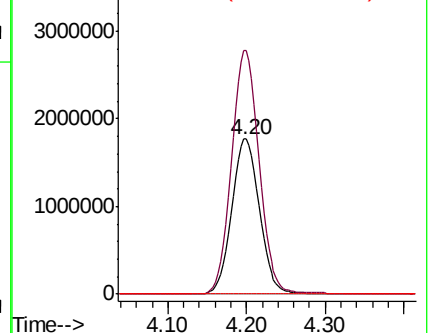
68 0.0 0.0 0.0

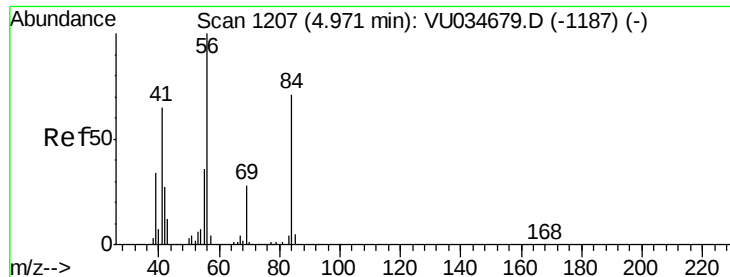


Abundance Ion 96.00 (95.70 to 96.70): VU034679.D (-946) (-)

Ion 61.00 (60.70 to 61.70): VU034679.D (-946) (-)

Ion 68.00 (67.70 to 68.70): VU034679.D (-946) (-)

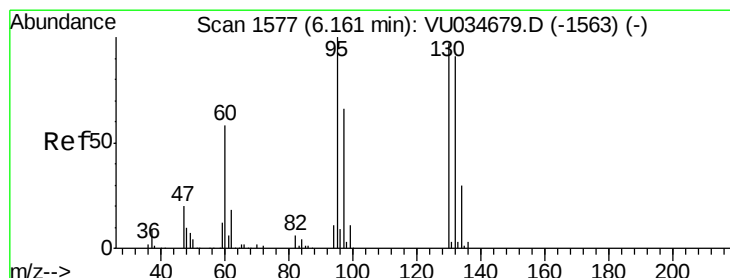
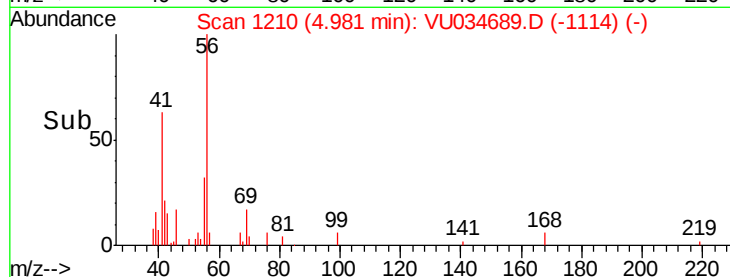
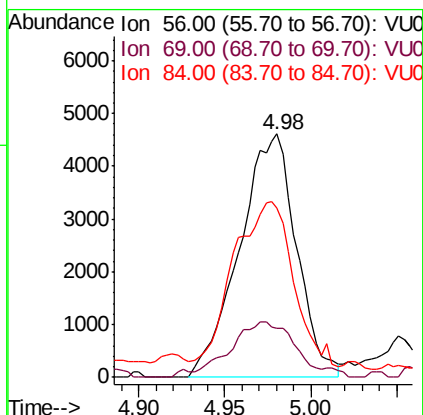
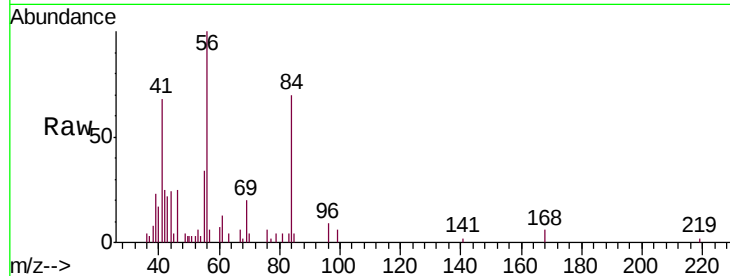




#29
Cyclohexane
Concen: 1.632 ug/L
RT: 4.98 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

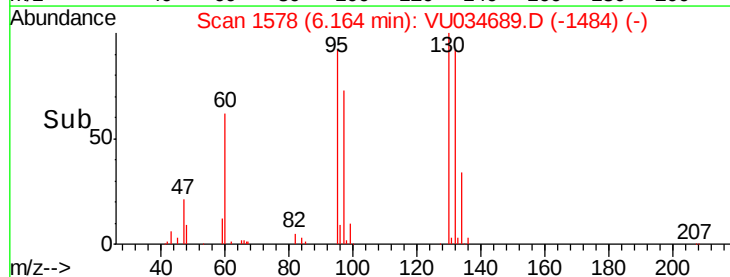
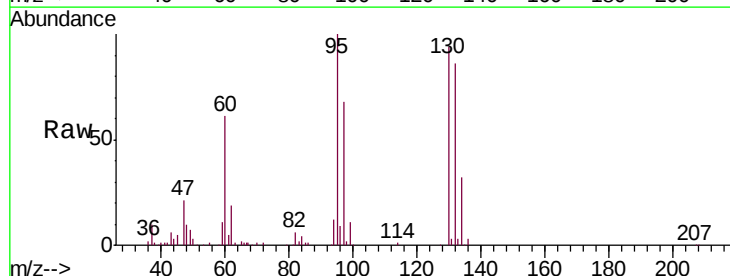
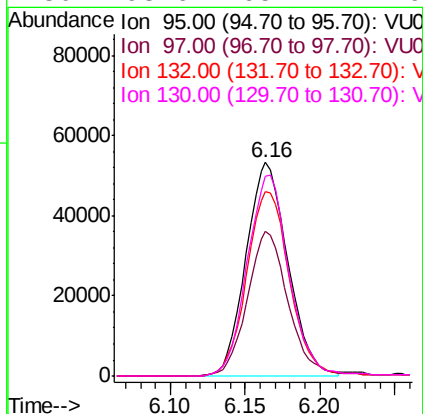
Instrument :
MSVOA_U
ClientSampleId :
BEDP3

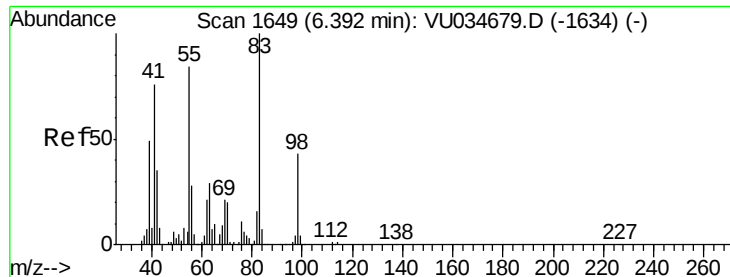
Tgt Ion: 56 Resp: 10615
Ion Ratio Lower Upper
56 100
69 15.3 21.7 32.5#
84 0.9 58.8 88.2#



#34
Trichloroethene
Concen: 30.703 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

Tgt Ion: 95 Resp: 103642
Ion Ratio Lower Upper
95 100
97 68.0 43.7 81.1
132 86.3 61.0 113.2
130 93.6 65.7 121.9

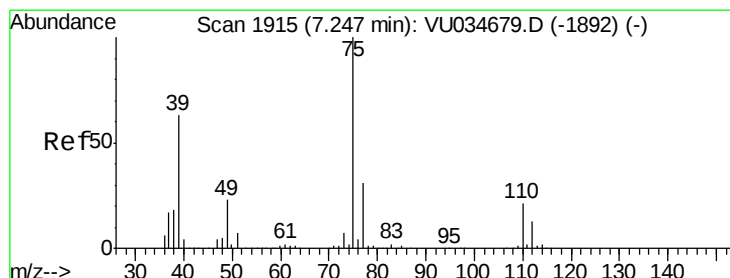
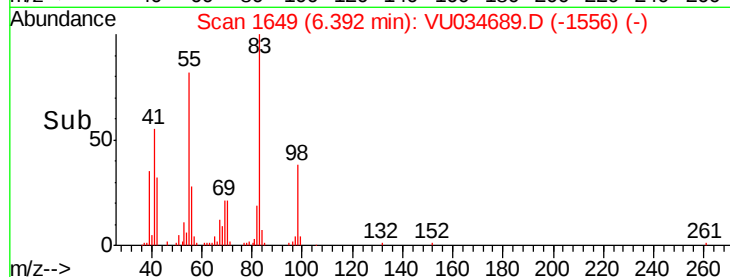
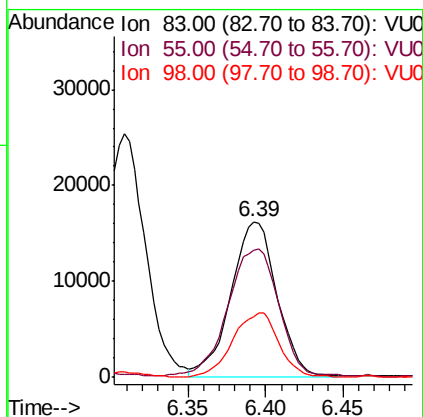
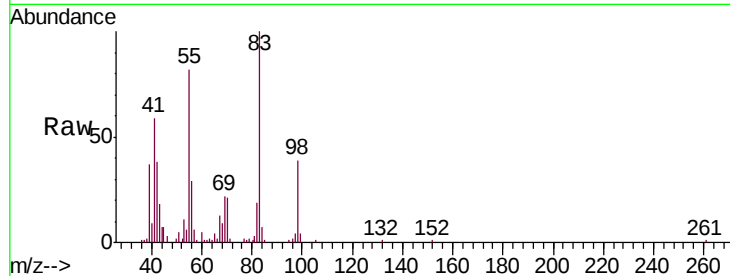




#35
Methylcyclohexane
Concen: 5.889 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

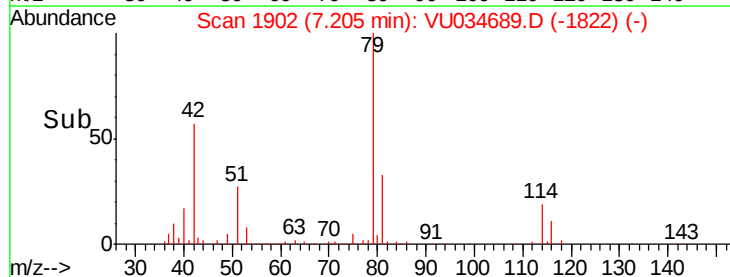
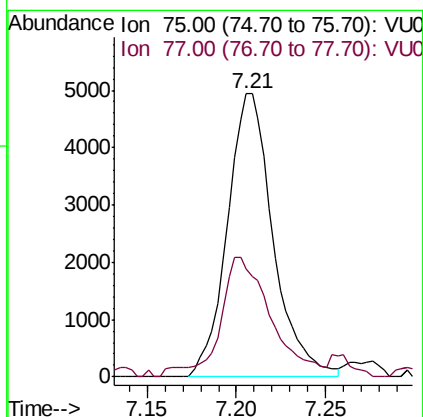
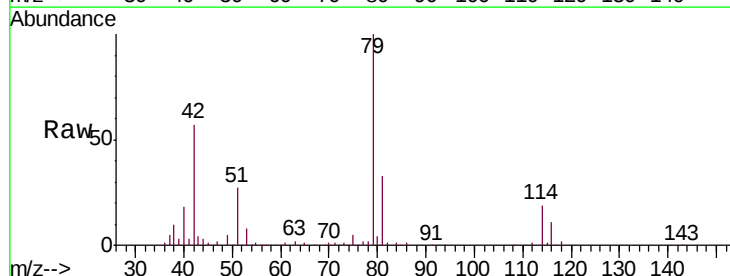
Instrument :
MSVOA_U
ClientSampleId :
BEDP3

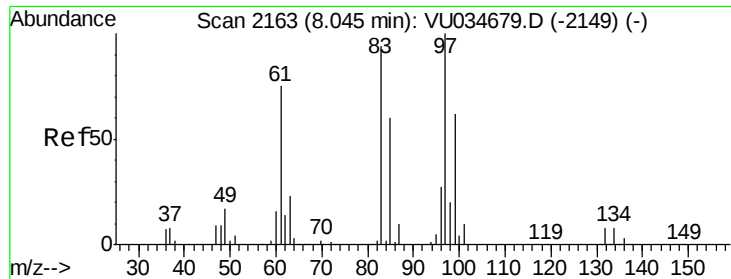
Tgt Ion: 83 Resp: 33736
Ion Ratio Lower Upper
83 100
55 89.2 71.6 107.4
98 41.3 35.7 53.5



#39
cis-1,3-Dichloropropene
Concen: 1.442 ug/L
RT: 7.21 min Scan# 1902
Delta R.T. -0.04 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

Tgt Ion: 75 Resp: 8816
Ion Ratio Lower Upper
75 100
77 38.2 21.4 39.8

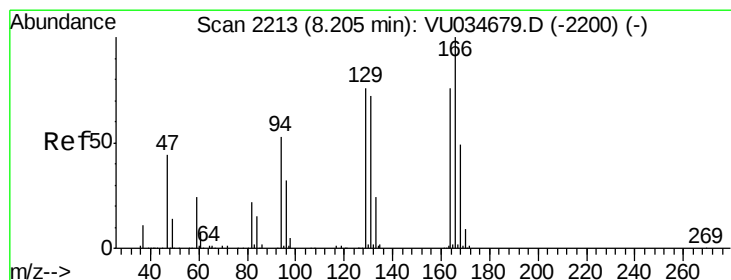
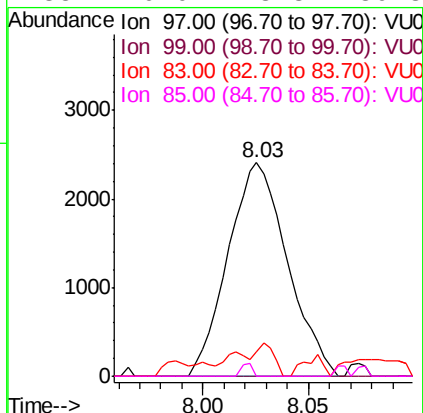
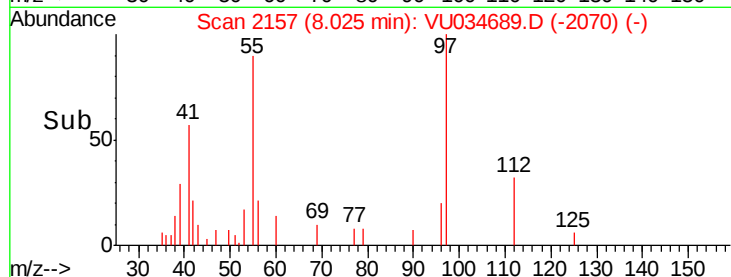
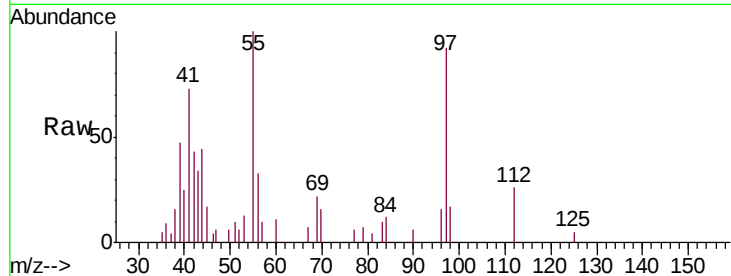




#45
 1,1,2-Trichloroethane
 Concen: 1.444 ug/L
 RT: 8.03 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: VU034689.D
 Acq: 20 Sep 2019 15:21

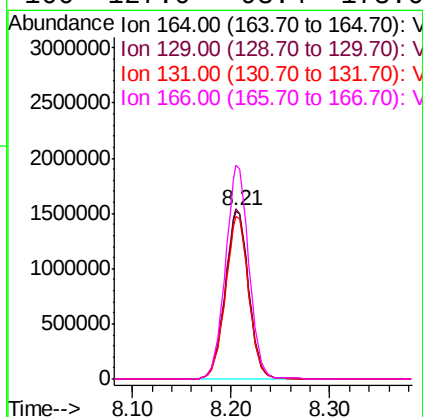
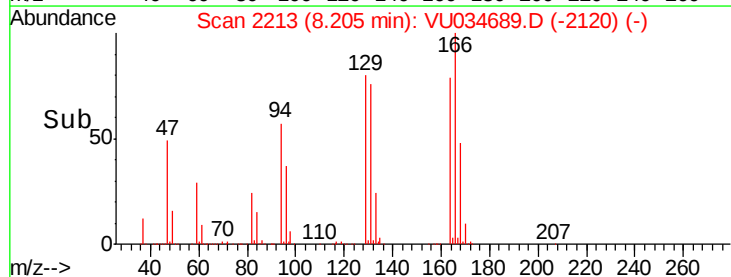
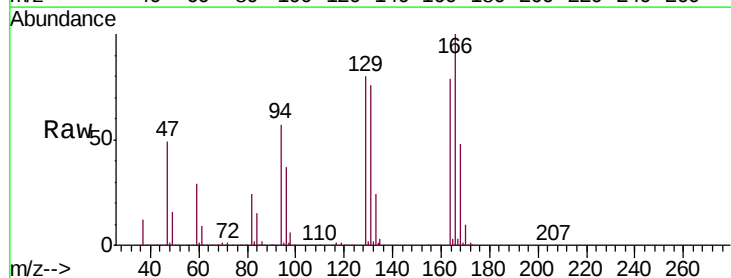
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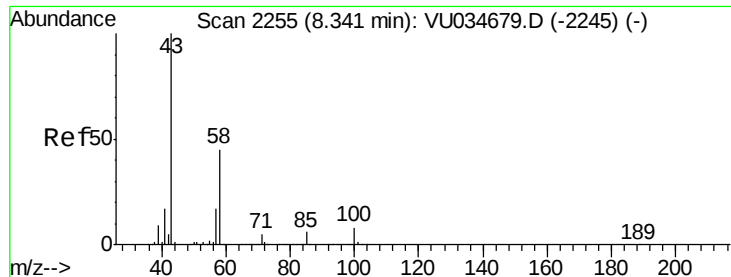
Tgt Ion: 97 Resp: 4708
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.6 81.0#
 83 11.2 66.9 124.3#
 85 0.0 43.3 80.3#



#46
 Tetrachloroethene
 Concen: 1069.833 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034689.D
 Acq: 20 Sep 2019 15:21

Tgt Ion: 164 Resp: 2540229
 Ion Ratio Lower Upper
 164 100
 129 101.5 71.9 133.5
 131 96.6 66.3 123.1
 166 127.0 93.4 173.6

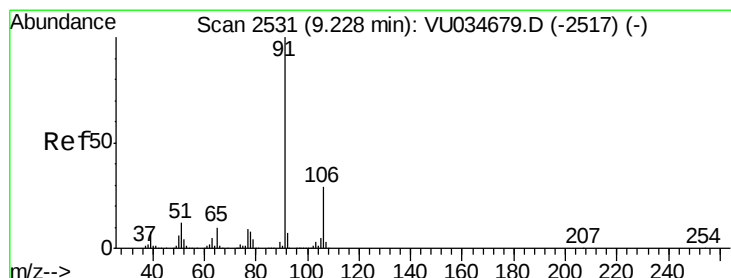
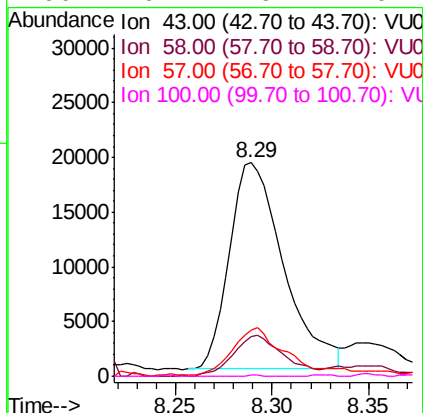
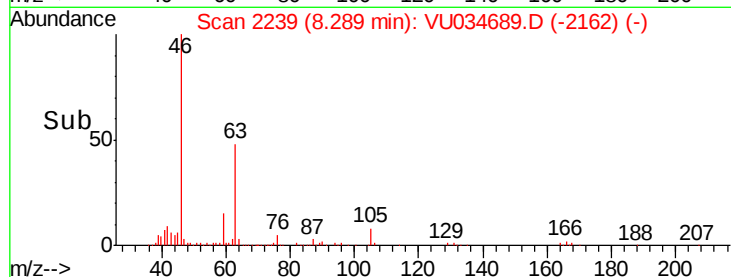
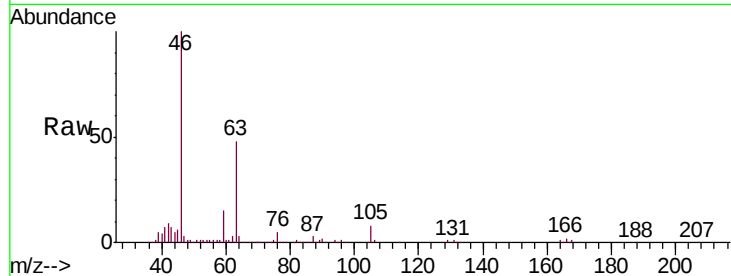




#48
2-Hexanone
Concen: 6.064 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

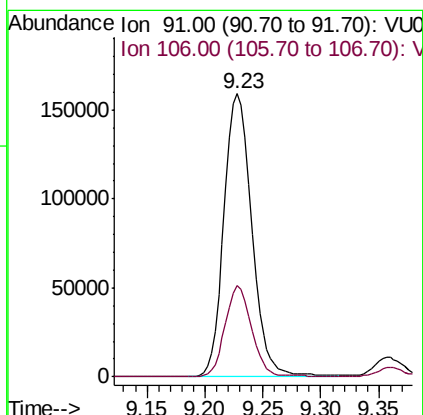
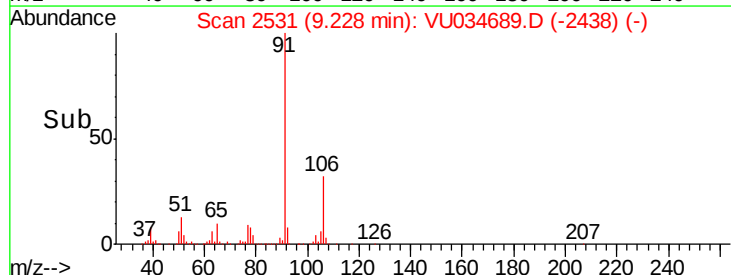
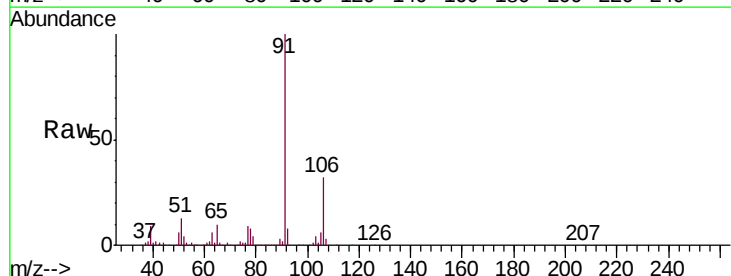
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MSVOA_U
ClientSampleId :
BEDP3

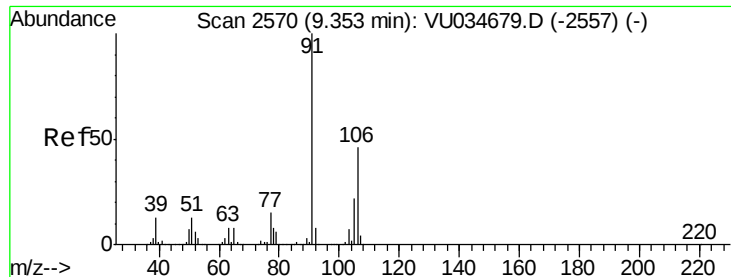
Tgt Ion: 43 Resp: 36800
Ion Ratio Lower Upper
43 100
58 18.6 35.3 52.9#
57 20.4 12.1 18.1#
100 0.1 6.2 9.4#



#52
Ethylbenzene
Concen: 15.976 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034689.D
Acq: 20 Sep 2019 15:21

Tgt Ion: 91 Resp: 265751
Ion Ratio Lower Upper
91 100
106 32.1 20.6 38.4





#53

m,p-Xylene

Concen: 1.502 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

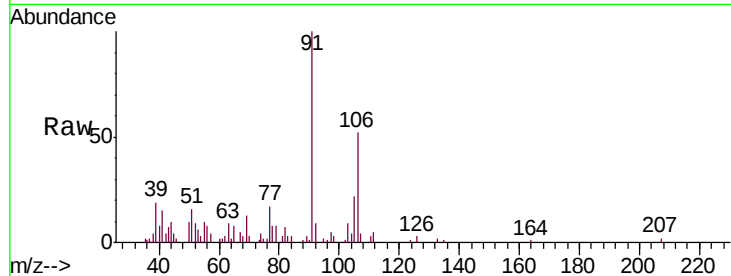
BEDP3

Tgt Ion:106 Resp: 8849

Ion Ratio Lower Upper

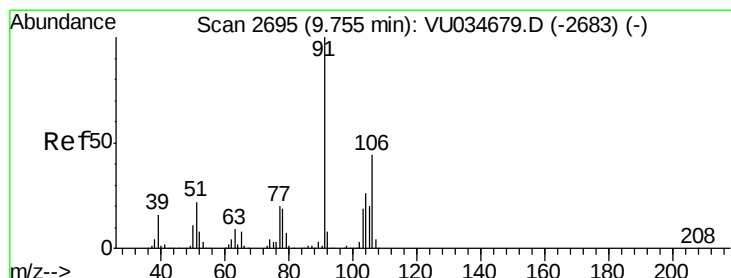
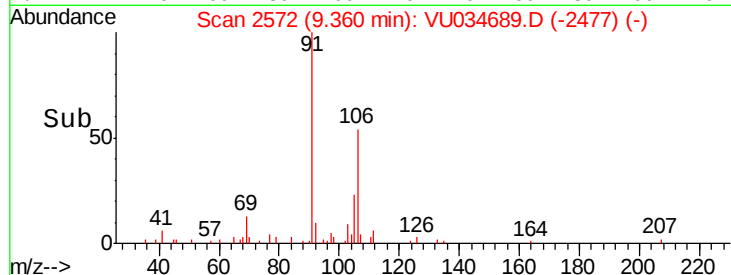
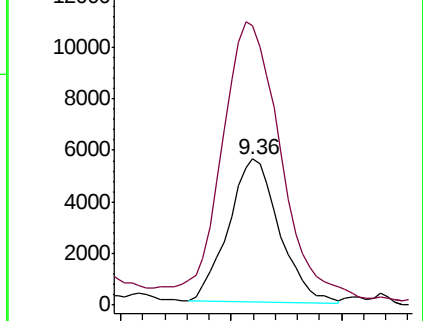
106 100

91 191.3 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.943 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034689.D

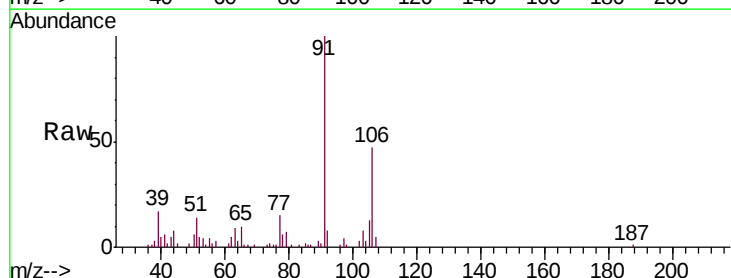
Acq: 20 Sep 2019 15:21

Tgt Ion:106 Resp: 11325

Ion Ratio Lower Upper

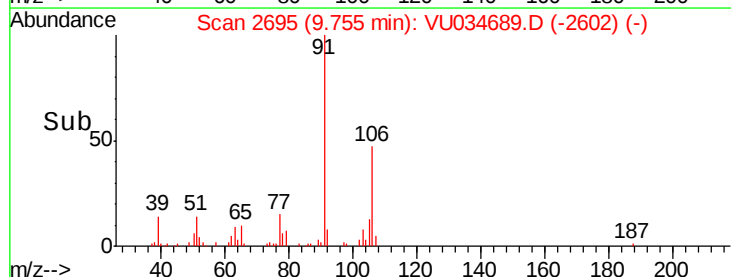
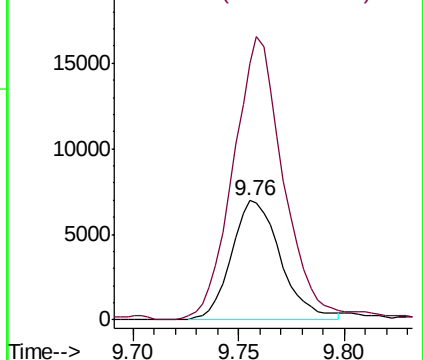
106 100

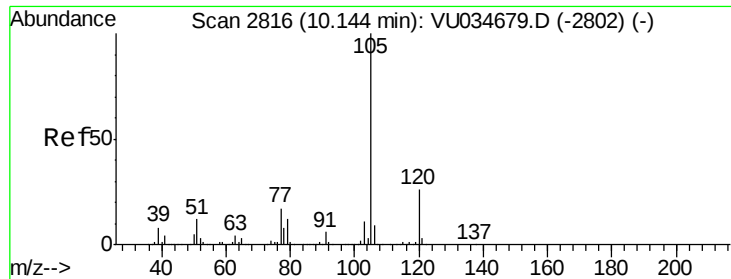
91 214.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 7.654 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

Instrument :

MSVOA_U

ClientSampleId :

BEDP3

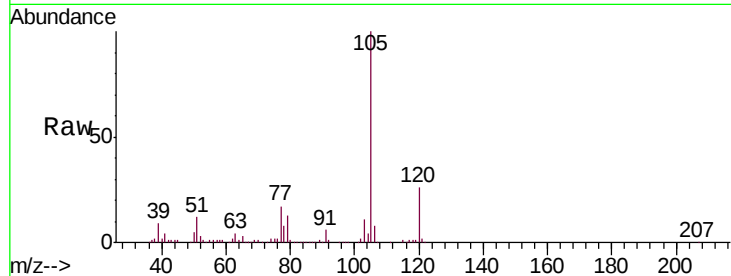
Tgt Ion:105 Resp: 120260

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

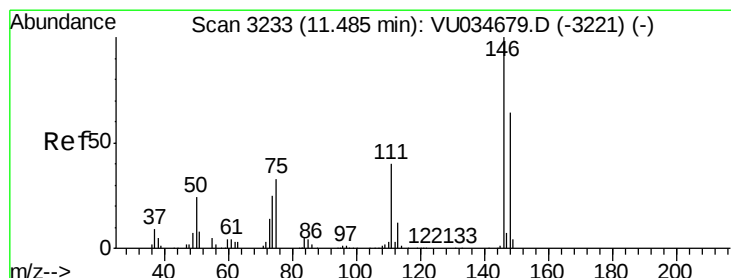
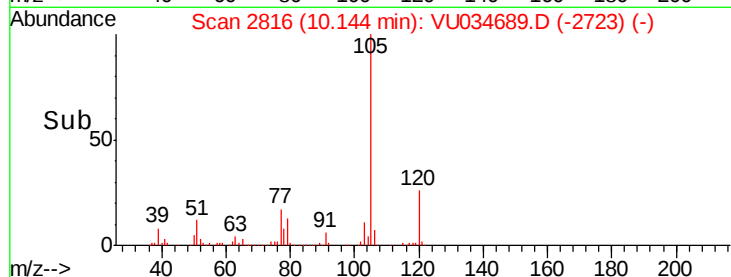
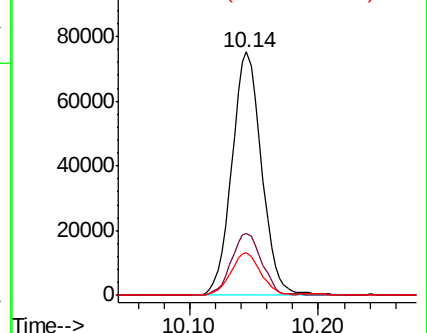
77 17.6 14.2 21.4



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): VU



#63

1,4-Dichlorobenzene

Concen: 1.632 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. -0.00 min

Lab File: VU034689.D

Acq: 20 Sep 2019 15:21

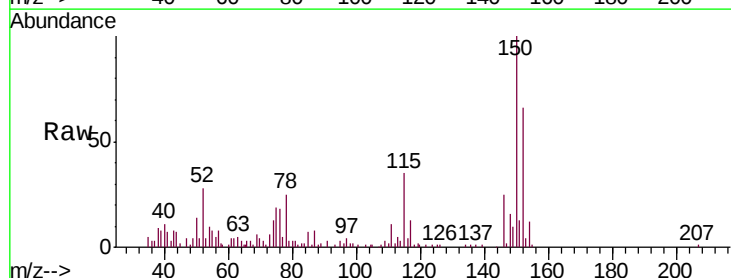
Tgt Ion:146 Resp: 9184

Ion Ratio Lower Upper

146 100

111 42.9 29.5 54.9

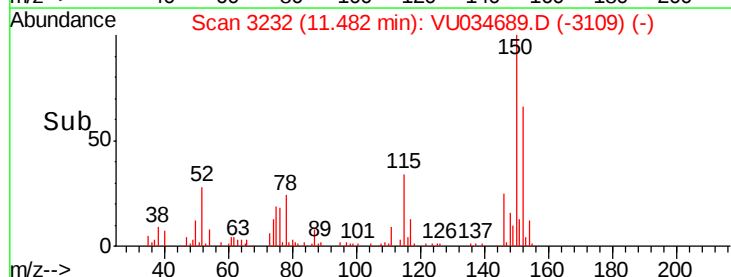
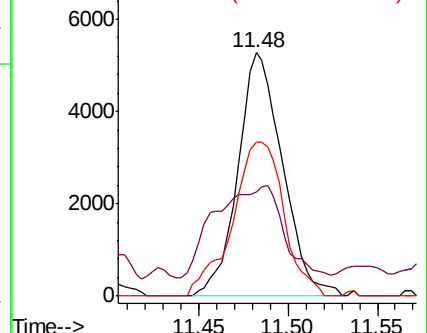
148 63.0 44.4 82.4

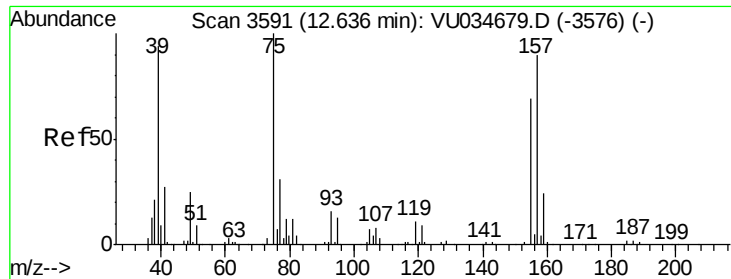


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

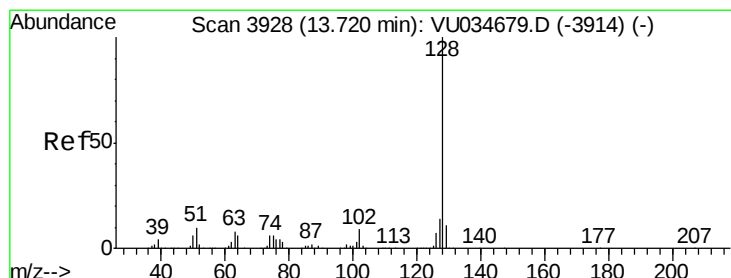
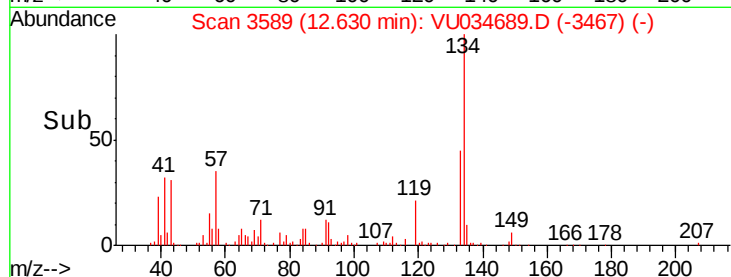
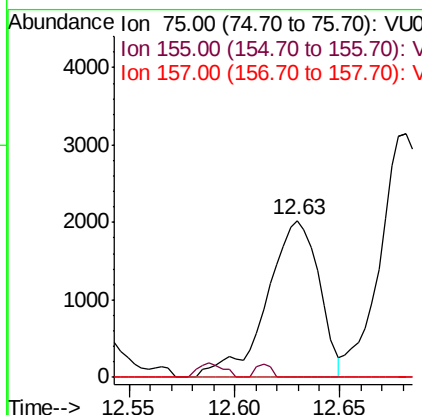
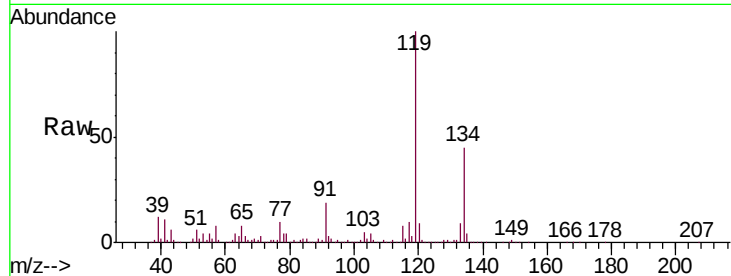




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.949 ug/L
 RT: 12.63 min Scan# 3589
 Delta R.T. -0.01 min
 Lab File: VU034689.D
 Acq: 20 Sep 2019 15:21

Instrument :
 MSVOA_U
 ClientSampleId :
 BEDP3

Tgt Ion: 75 Resp: 3499
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.7 82.1#
 157 0.0 69.9 104.9#



#69
 Naphthalene
 Concen: 235.065 ug/L
 RT: 13.72 min Scan# 3928
 Delta R.T. -0.00 min
 Lab File: VU034689.D
 Acq: 20 Sep 2019 15:21

Tgt Ion: 128 Resp: 2368768
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.8 16.2
 129 11.3 8.6 12.8

