

Data File : VU034385.D
Acq On : 07 Sep 2019 17:02
Operator : JC/SP
Sample : K4724-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDA9

Quant Time: Sep 08 02:34:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 14:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	307693	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	304300	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	169354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76643	3.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.00%
7) Chloroethane-d5	1.68	69	70761	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.26	63	116568	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	4.17	46	218932	45.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.46%
24) Chloroform-d	4.63	84	162712	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	80154	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	5.32	84	351450	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.31	67	113739	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.55	98	311916	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.83	79	37788	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.30	63	170090	44.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	85499	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	140922	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

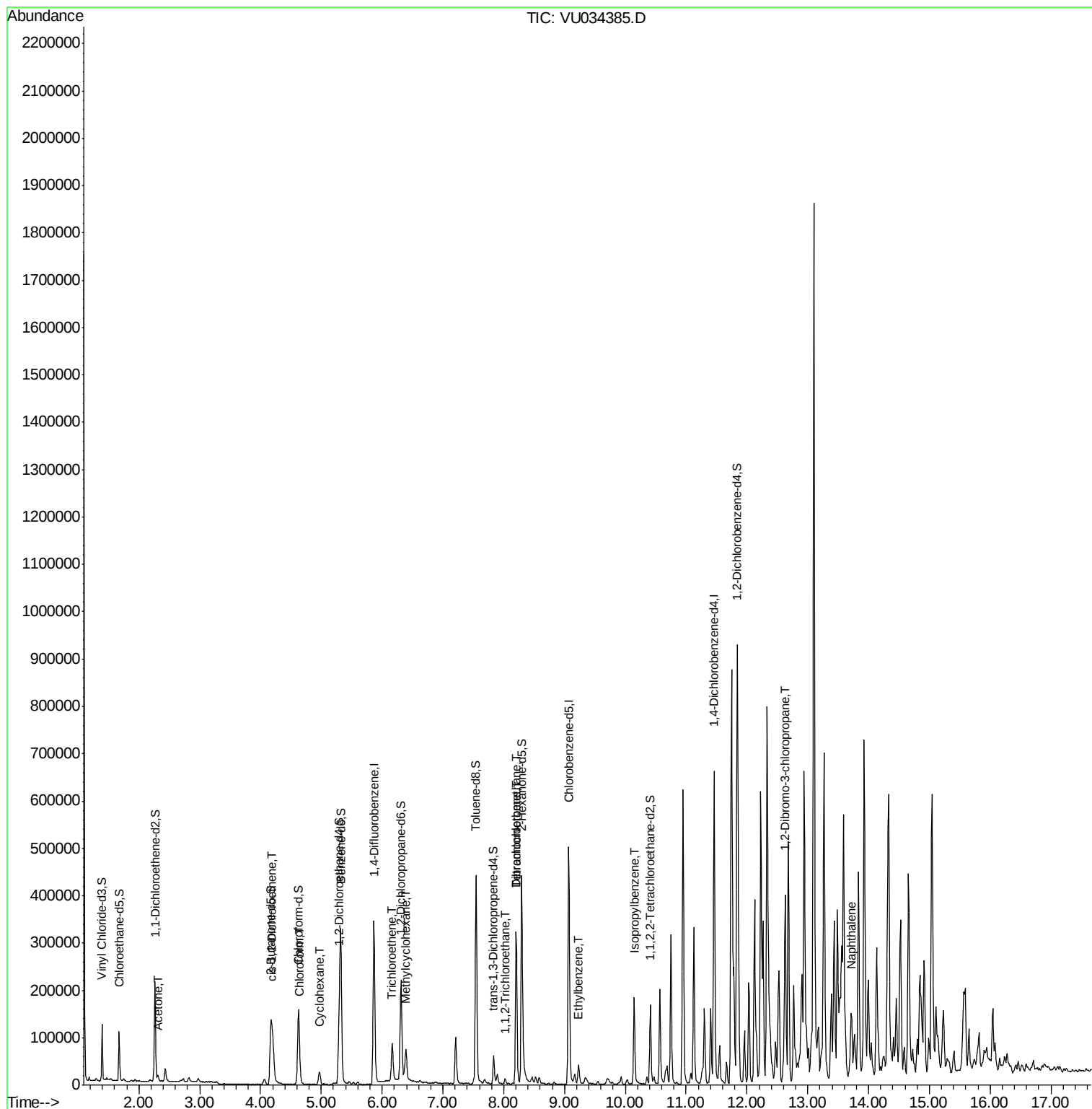
					Qvalue
13) Acetone	2.31	43	12167	3.796	ug/L 97
22) cis-1,2-Dichloroethene	4.20	96	37405	1.607	ug/L 97
25) Chloroform	4.65	83	6493	0.156	ug/L 96
30) Cyclohexane	4.97	56	13621	0.345	ug/L 94
34) Trichloroethene	6.16	95	28349	1.195	ug/L 98
35) Methylcyclohexane	6.39	83	25838	0.657	ug/L 98
45) 1,1,2-Trichloroethane	8.03	97	3889	0.256	ug/L # 18
47) Tetrachloroethene	8.21	164	80584	4.133	ug/L 94
49) Dibromochloromethane	8.21	129	73009	4.046	ug/L # 11
52) Ethylbenzene	9.23	91	27975	0.267	ug/L 98
56) Isopropylbenzene	10.15	105	120588	1.173	ug/L 100
66) 1,2-Dibromo-3-chloropropan	12.63	75	1659	0.566	ug/L # 1
69) Naphthalene	13.72	128	86909	1.781	ug/L # 95

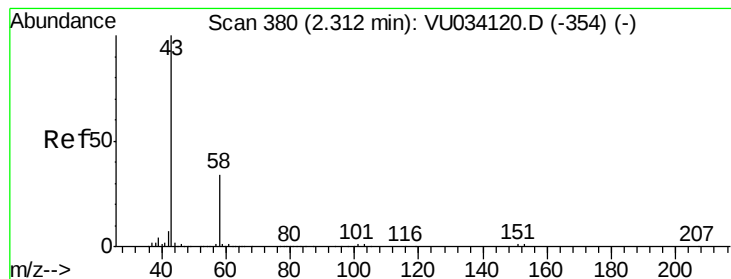
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.796 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

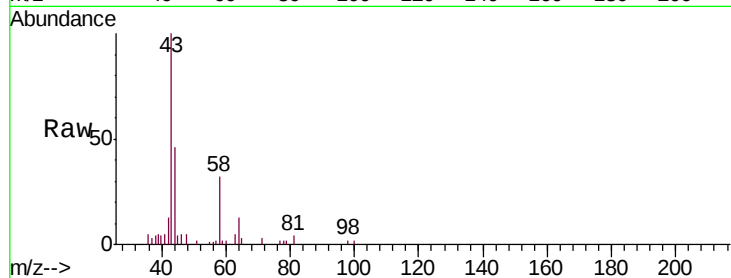
BFDA9

Tgt Ion: 43 Resp: 12167

Ion Ratio Lower Upper

43 100

58 31.9 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034120.D (-354) (-)

Ion 58.05 (57.75 to 58.75): VU034120.D (-354) (-)

2.31

8000

6000

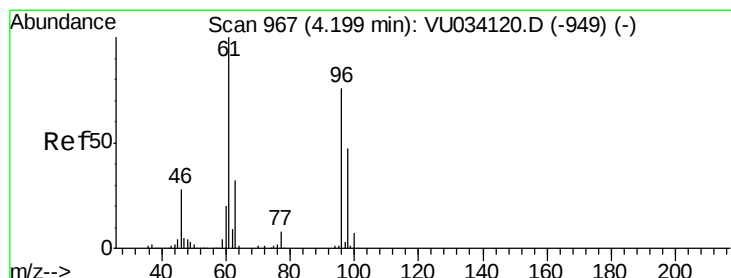
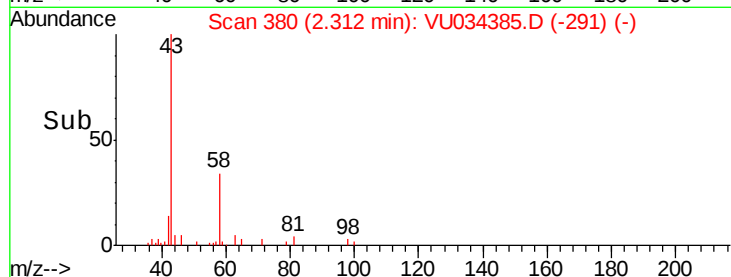
4000

2000

0

Time-->

2.25 2.30 2.35



#22

cis-1,2-Dichloroethene

Concen: 1.607 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

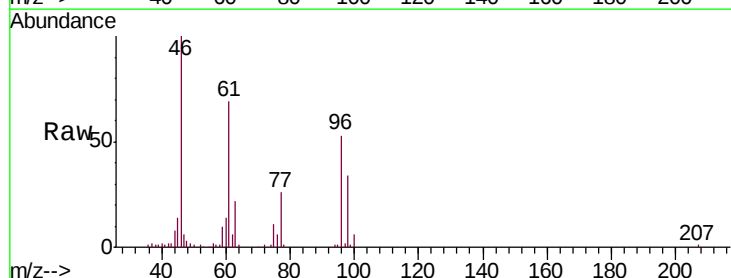
Tgt Ion: 96 Resp: 37405

Ion Ratio Lower Upper

96 100

61 129.9 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034120.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU034120.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU034120.D (-949) (-)

4.20

25000

20000

15000

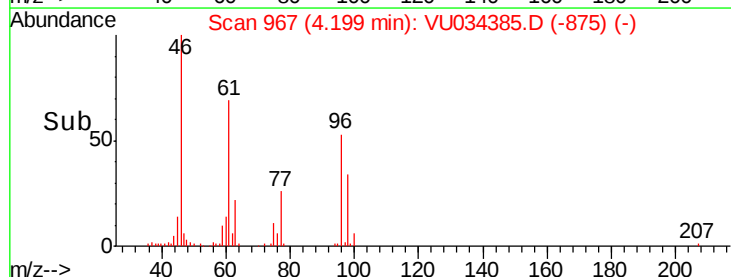
10000

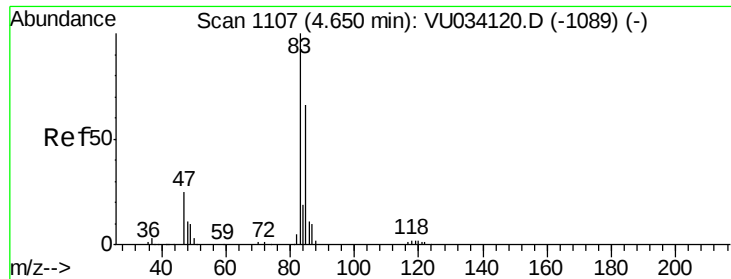
5000

0

Time-->

4.10 4.15 4.20 4.25 4.30

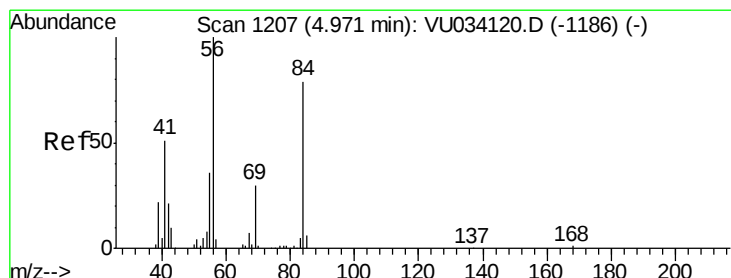
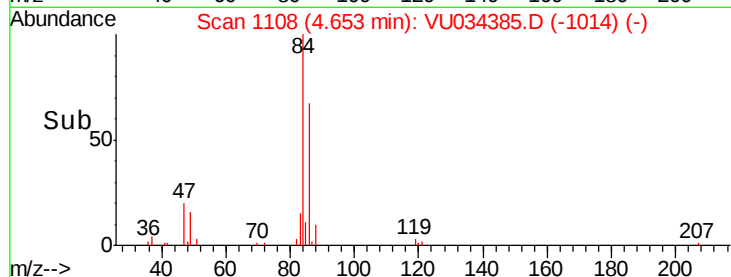
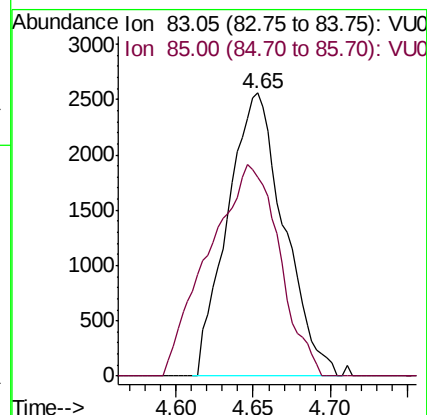
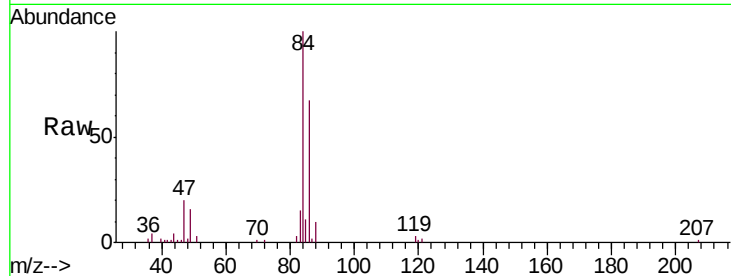




#25
Chloroform
Concen: 0.156 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034385.D
Acq: 07 Sep 2019 17:02

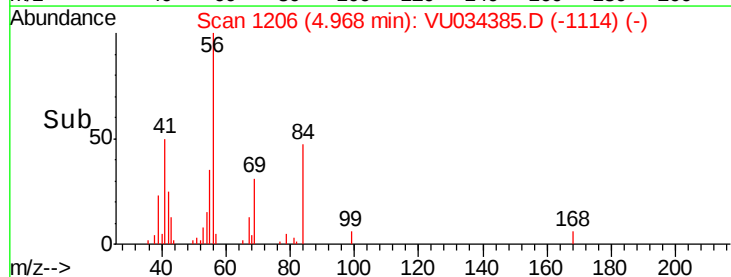
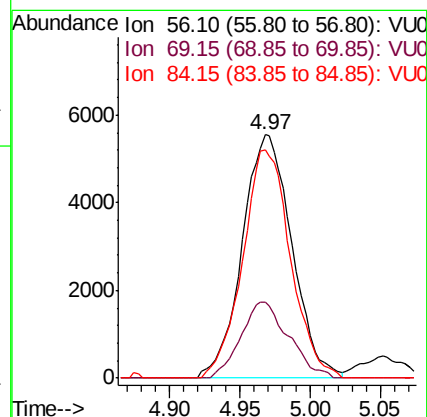
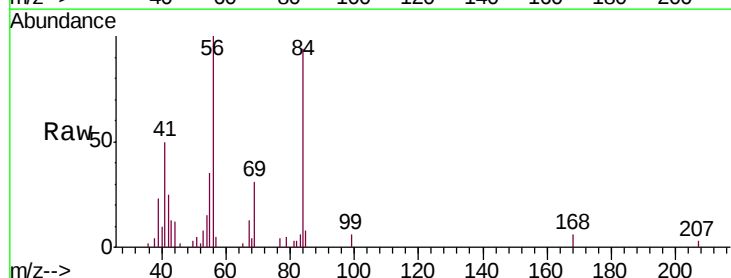
Instrument :
MSVOA_U
ClientSampleId :
BFDA9

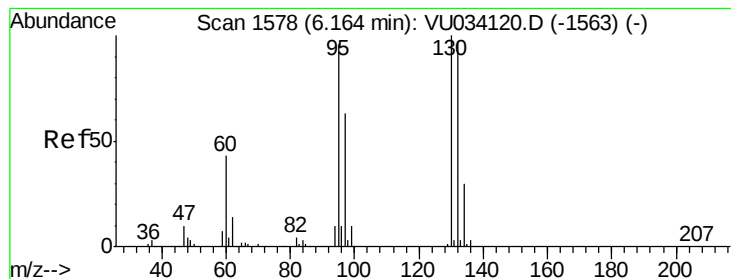
Tgt Ion: 83 Resp: 6493
Ion Ratio Lower Upper
83 100
85 70.2 46.8 86.8



#30
Cyclohexane
Concen: 0.345 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034385.D
Acq: 07 Sep 2019 17:02

Tgt Ion: 56 Resp: 13621
Ion Ratio Lower Upper
56 100
69 30.1 24.2 36.4
84 90.6 67.0 100.4





#34

Trichloroethene

Concen: 1.195 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

BFDA9

Tgt Ion: 95 Resp: 28349

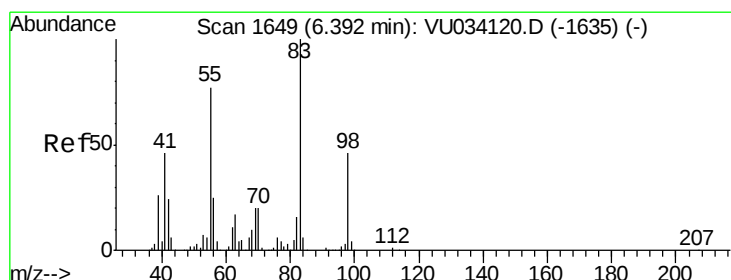
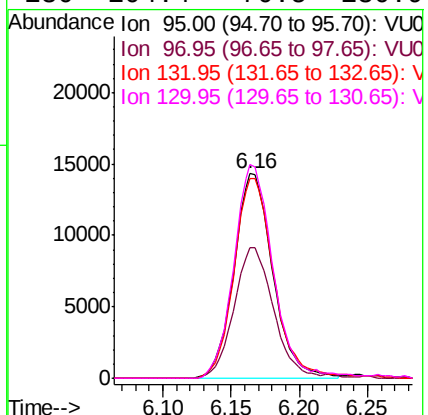
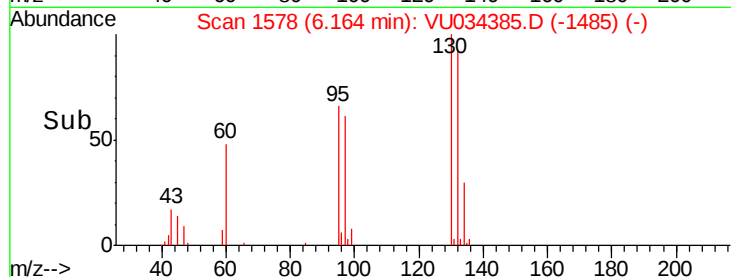
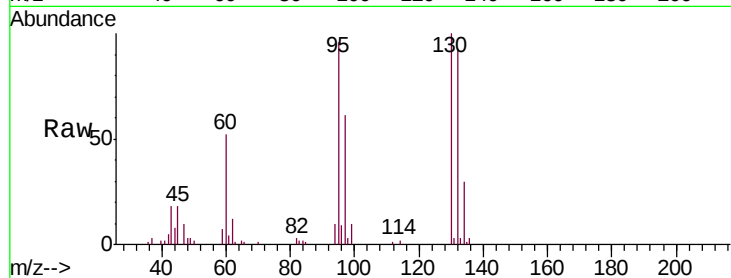
Ion Ratio Lower Upper

95 100

97 63.7 43.3 80.5

132 97.5 68.6 127.4

130 104.4 70.5 130.9



#35

Methylcyclohexane

Concen: 0.657 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

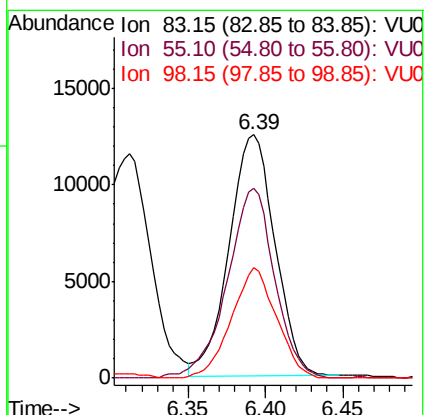
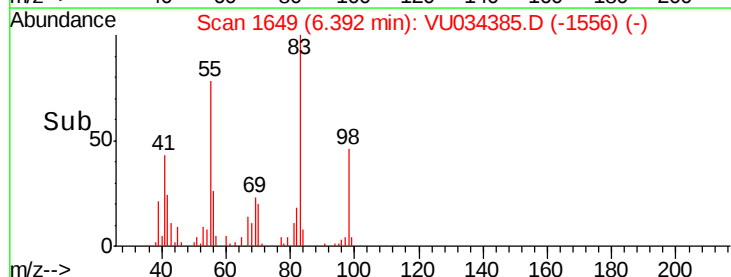
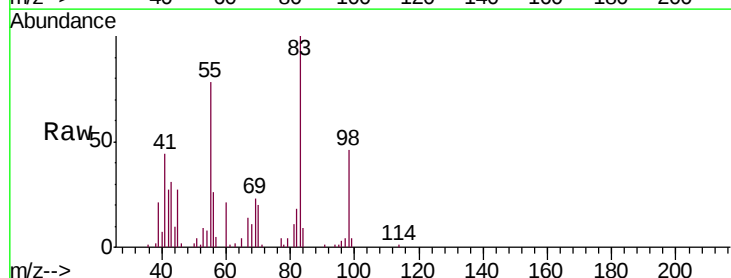
Tgt Ion: 83 Resp: 25838

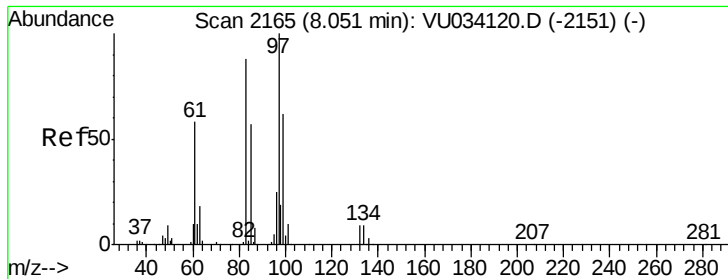
Ion Ratio Lower Upper

83 100

55 80.9 62.6 94.0

98 44.7 36.2 54.2





#45

1,1,2-Trichloroethane

Concen: 0.256 ug/L

RT: 8.03 min Scan# 2157

Delta R.T. -0.03 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

BFDA9

Tgt Ion: 97 Resp: 3889

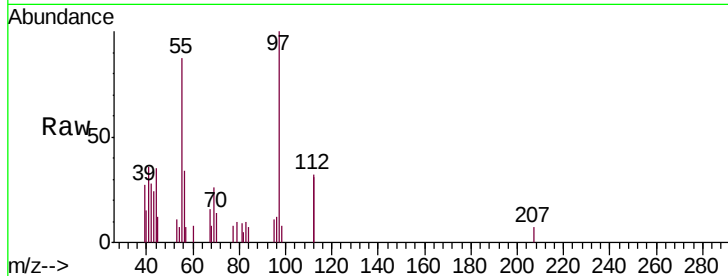
Ion Ratio Lower Upper

97 100

99 0.0 45.5 84.5#

83 9.7 61.5 114.3#

85 0.0 40.0 74.2#

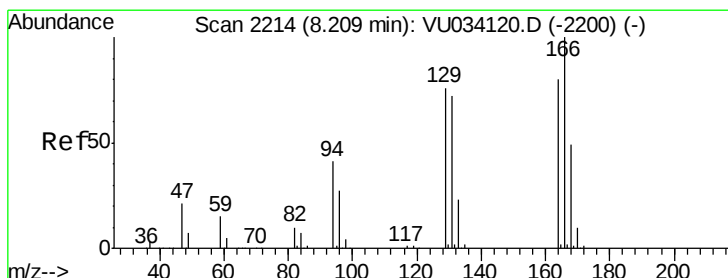
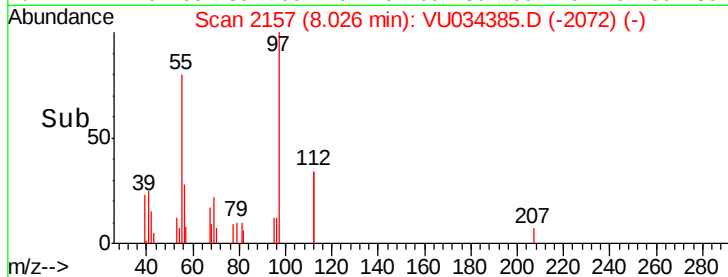
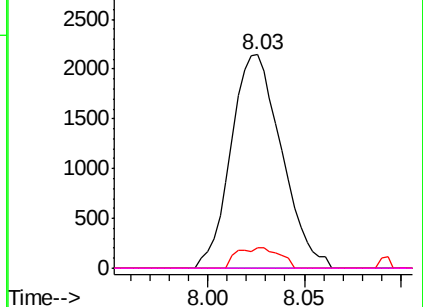


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.133 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

Tgt Ion: 164 Resp: 80584

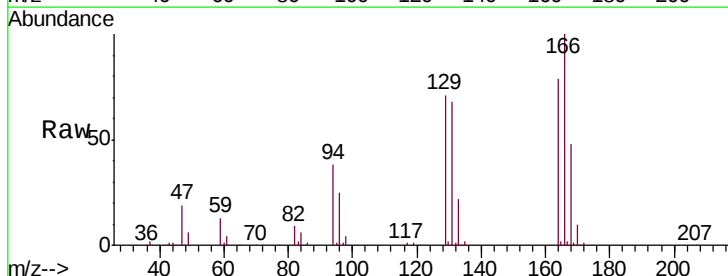
Ion Ratio Lower Upper

164 100

129 89.2 68.0 126.2

131 85.8 64.6 120.0

166 125.8 92.0 170.8

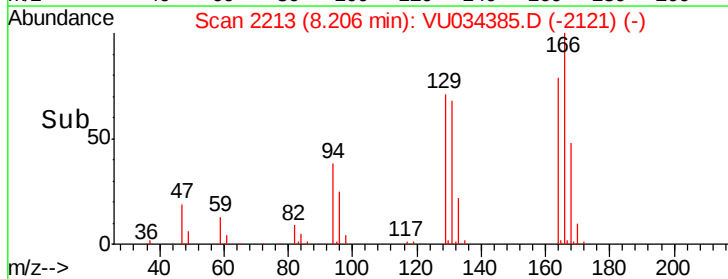
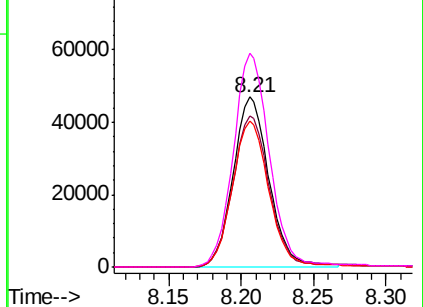


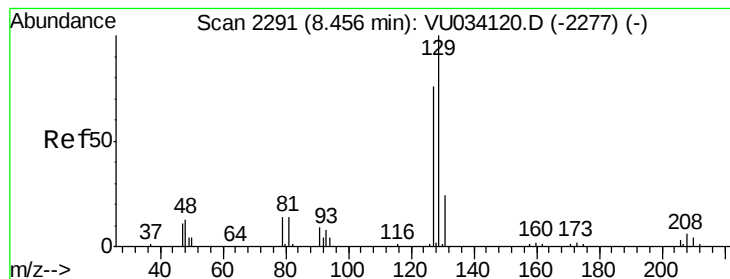
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 4.046 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

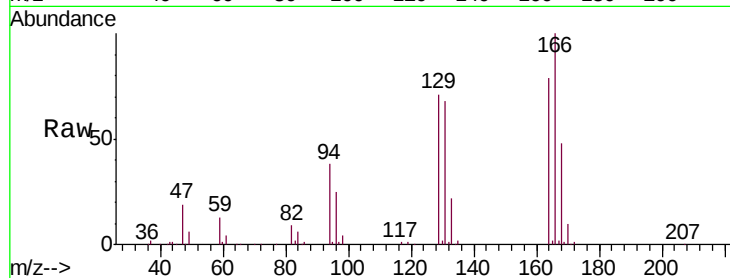
BFDA9

Tgt Ion:129 Resp: 73009

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#

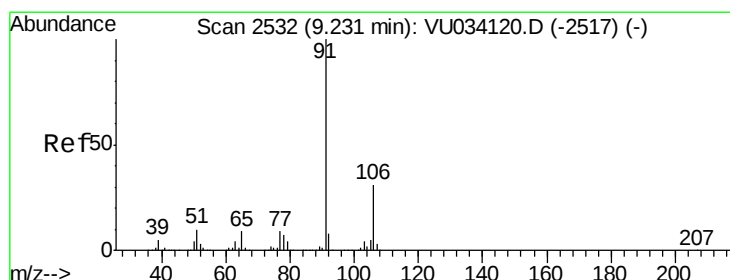
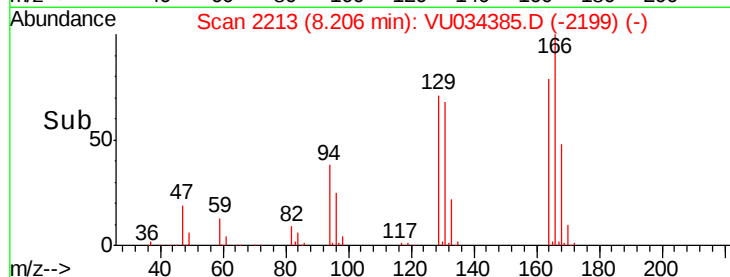


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

Time-->



#52

Ethylbenzene

Concen: 0.267 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034385.D

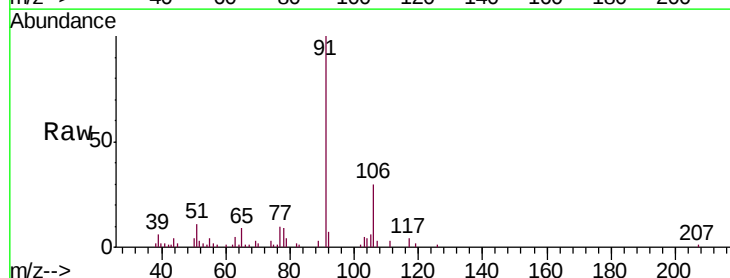
Acq: 07 Sep 2019 17:02

Tgt Ion: 91 Resp: 27975

Ion Ratio Lower Upper

91 100

106 29.7 21.4 39.8

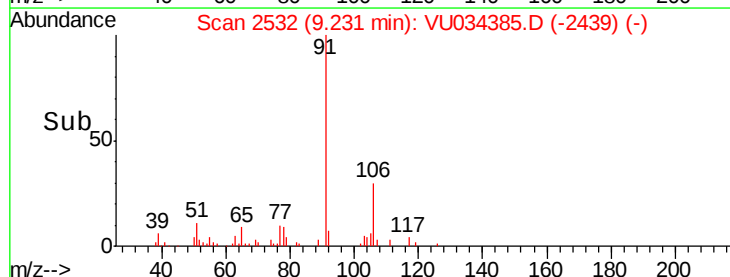


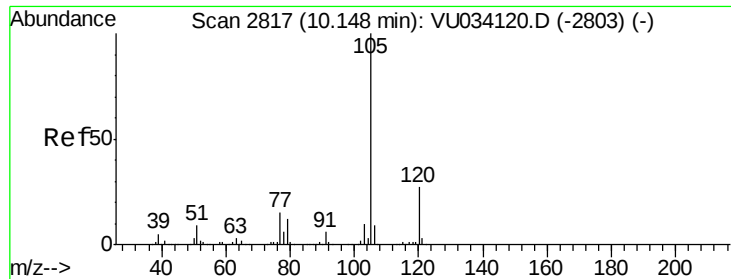
Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V

9.23

Time-->





#56

Isopropylbenzene

Concen: 1.173 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034385.D

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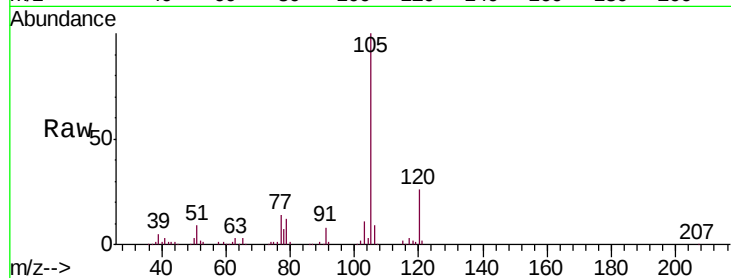
Tgt Ion: 105 Resp: 120588

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.4

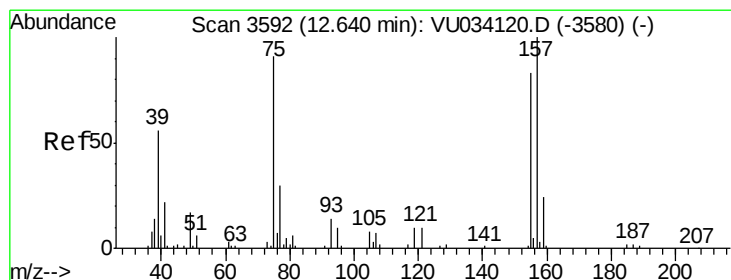
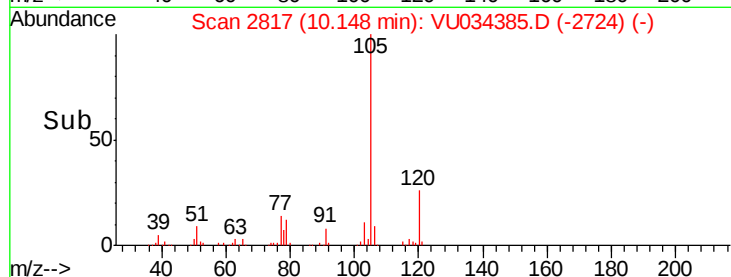
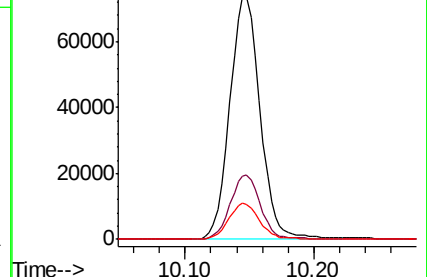
77 15.1 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.566 ug/L

RT: 12.63 min Scan# 3589

Delta R.T. -0.01 min

Lab File: VU034385.D

Acq: 07 Sep 2019 17:02

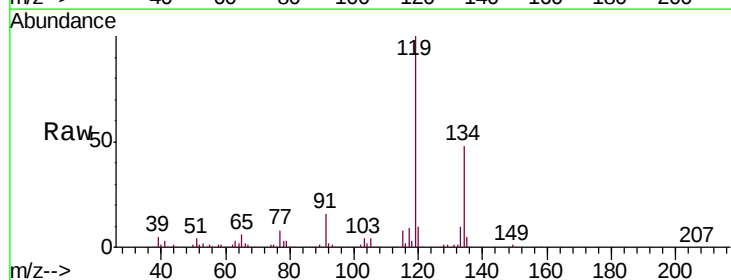
Tgt Ion: 75 Resp: 1659

Ion Ratio Lower Upper

75 100

155 0.0 71.4 107.0#

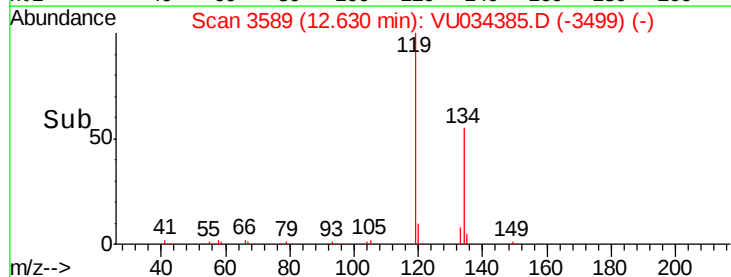
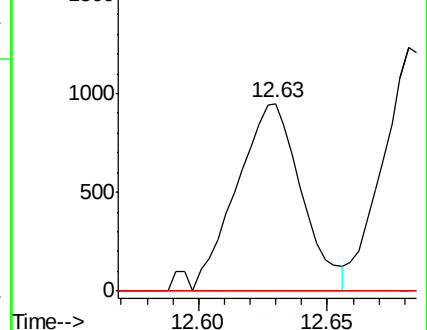
157 0.0 92.6 138.8#

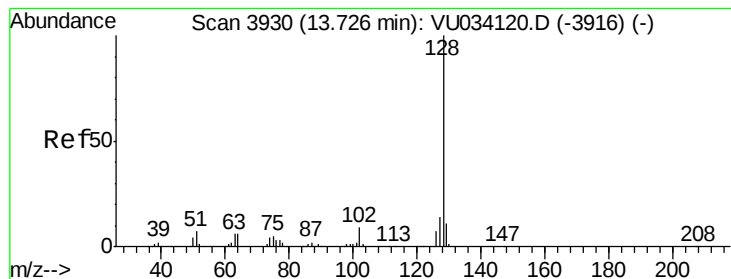


Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 1.781 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034385.D

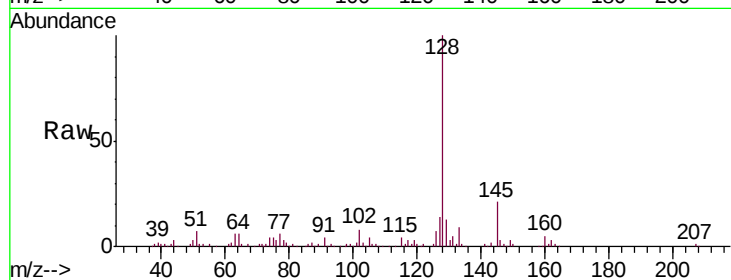
Acq: 07 Sep 2019 17:02

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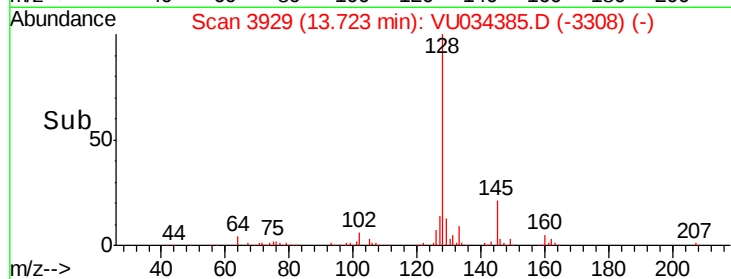
Tgt Ion:128 Resp: 86909

Ion Ratio Lower Upper

128 100

129 14.9 8.6 13.0#

127 13.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

