

Data File : VU034412.D
Acq On : 08 Sep 2019 04:41
Operator : JC/SP
Sample : K4703-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFD99

Quant Time: Sep 08 06:17:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	264182	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	279228	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	122415	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73122	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.68	69	67194	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.26	63	108867	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.17	46	210100	51.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.24%
24) Chloroform-d	4.62	84	154503	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.29	65	77133	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.32	84	320712	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	106361	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.55	98	268717	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
43) trans-1,3-Dichloropropene-	7.83	79	31029	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.30	63	166235	47.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	85305	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	112339	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

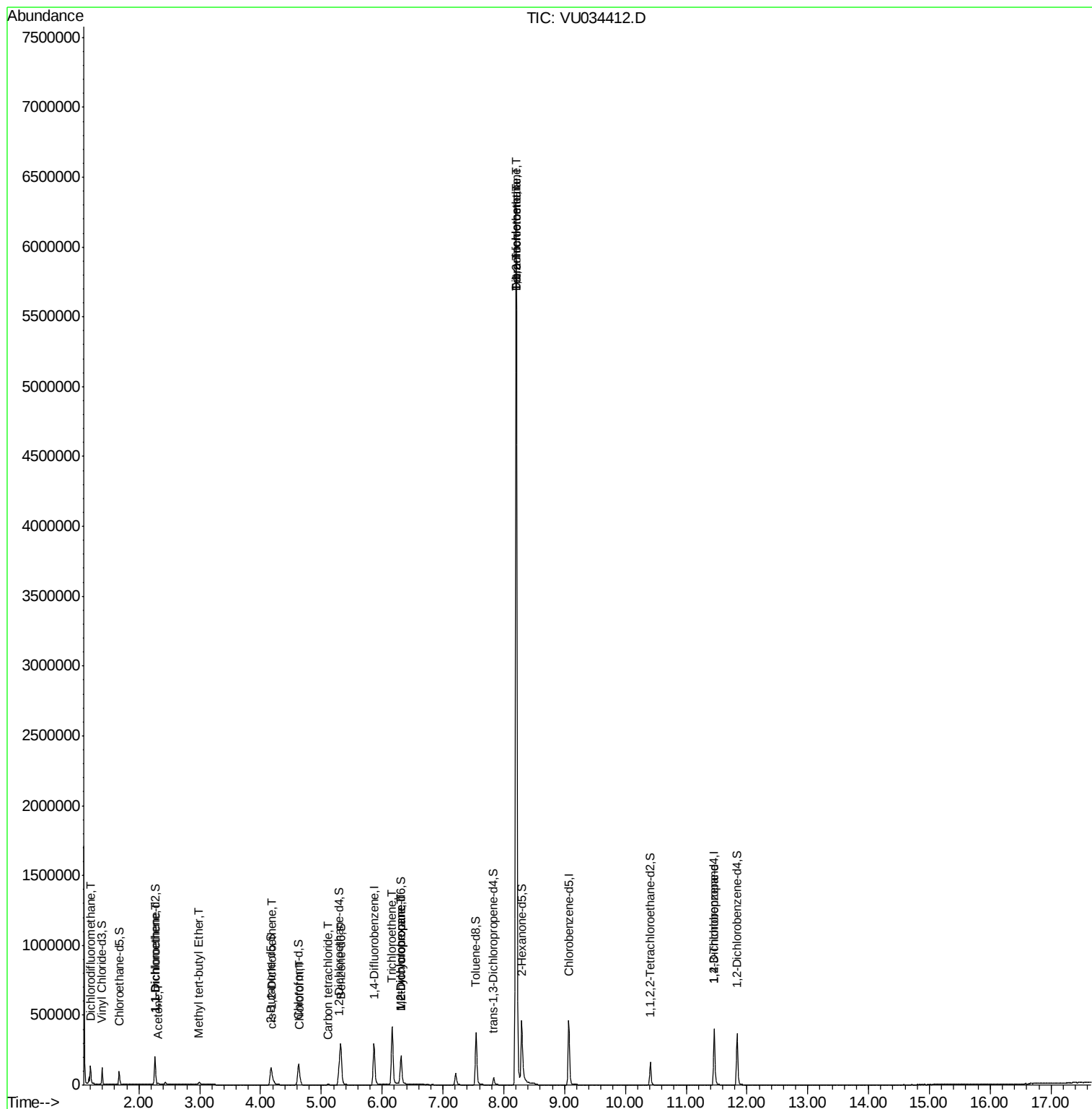
					Qvalue
2) Dichlorodifluoromethane	1.20	85	57163	2.258 ug/L	99
12) 1,1-Dichloroethene	2.28	96	2485	0.151 ug/L #	1
13) Acetone	2.31	43	5294	1.924 ug/L	98
17) Methyl tert-butyl Ether	2.99	73	16032	0.392 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	3890	0.195 ug/L	81
25) Chloroform	4.66	83	14922	0.418 ug/L	95
31) Carbon tetrachloride	5.11	117	5195	0.192 ug/L	92
34) Trichloroethene	6.16	95	150666	6.922 ug/L	97
35) Methylcyclohexane	6.31	83	23632	0.655 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	11253	0.517 ug/L #	89
45) 1,1,2-Trichloroethane	8.20	97	10471	0.750 ug/L #	1
47) Tetrachloroethene	8.21	164	1548471	86.556 ug/L	95
49) Dibromochloromethane	8.21	129	1408285	85.058 ug/L #	11
59) 1,2,3-Trichloropropane	11.46	75	12762	1.024 ug/L	94

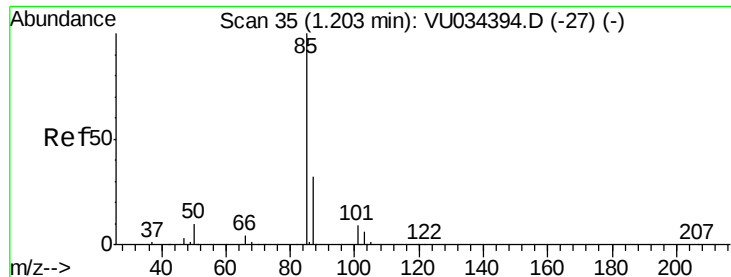
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.258 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Instrument :

MSVOA_U

ClientSampleId :

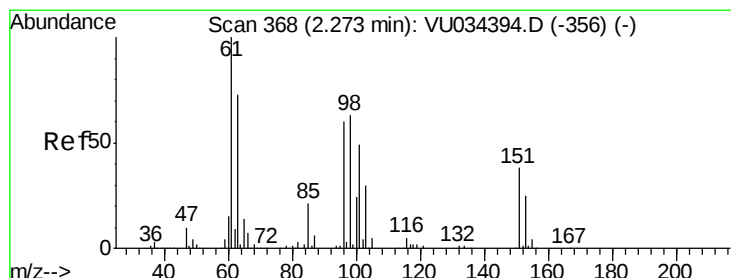
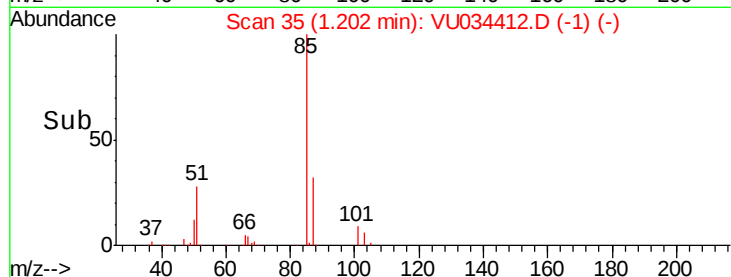
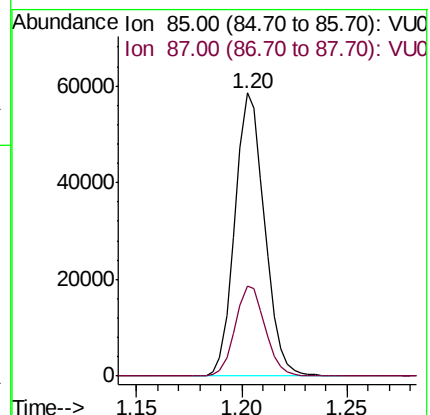
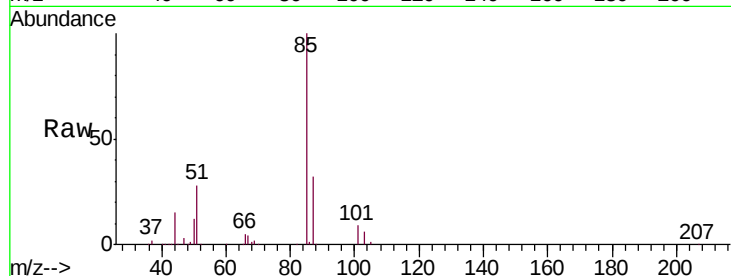
BFD99

Tgt Ion: 85 Resp: 57163

Ion Ratio Lower Upper

85 100

87 31.9 26.2 39.2



#12

1,1-Dichloroethene

Concen: 0.151 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

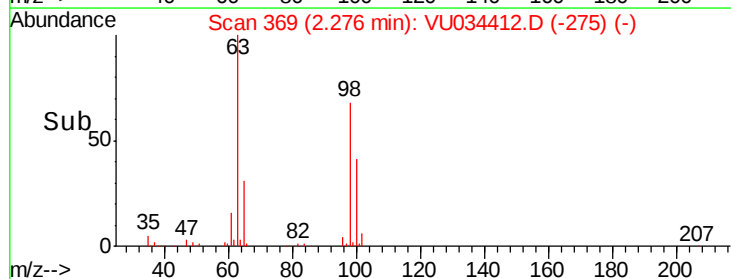
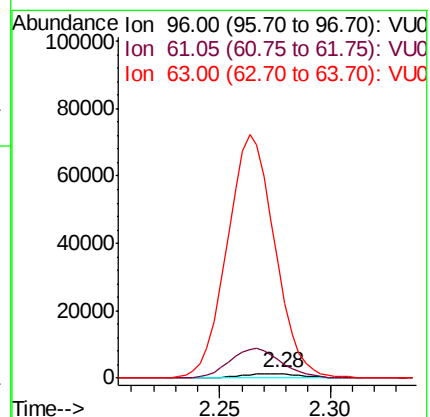
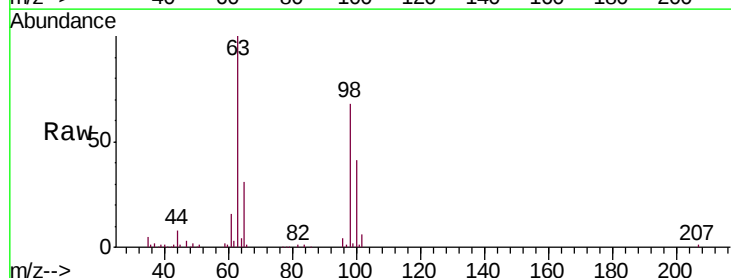
Tgt Ion: 96 Resp: 2485

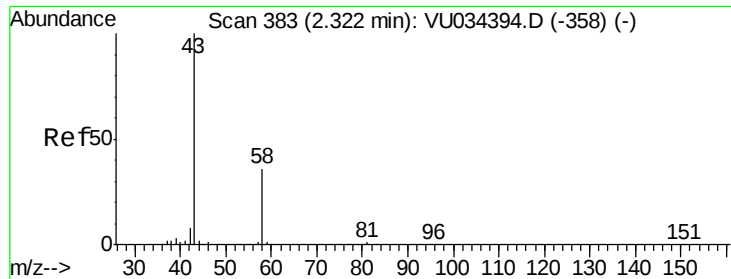
Ion Ratio Lower Upper

96 100

61 388.8 126.6 235.0#

63 2494.3 94.5 175.5#





#13

Acetone

Concen: 1.924 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Instrument :

MSVOA_U

ClientSampleId :

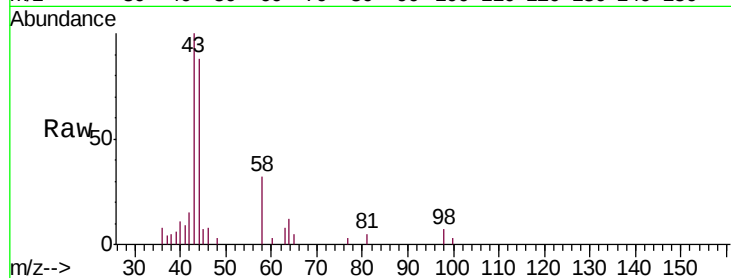
BFD99

Tgt Ion: 43 Resp: 5294

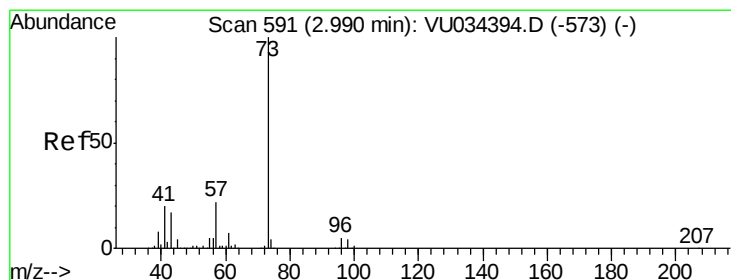
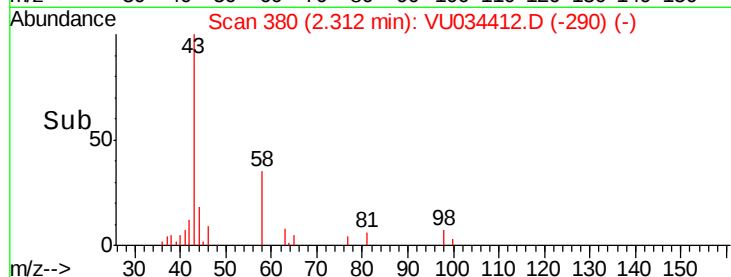
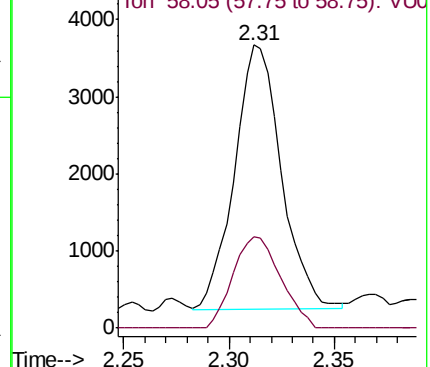
Ion Ratio Lower Upper

43 100

58 35.0 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034412.D (-290) (-)



#17

Methyl tert-butyl Ether

Concen: 0.392 ug/L

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

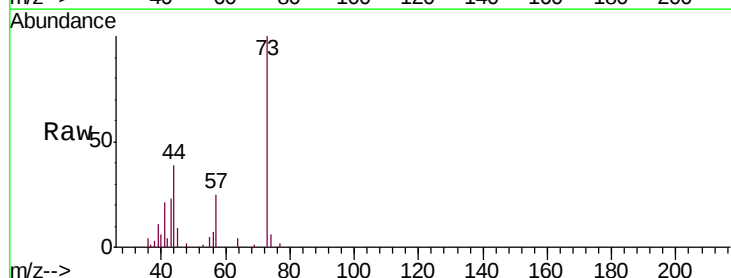
Tgt Ion: 73 Resp: 16032

Ion Ratio Lower Upper

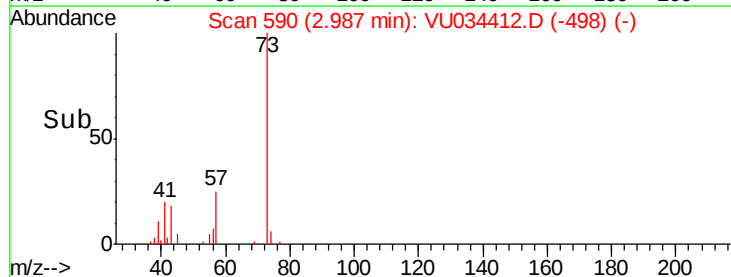
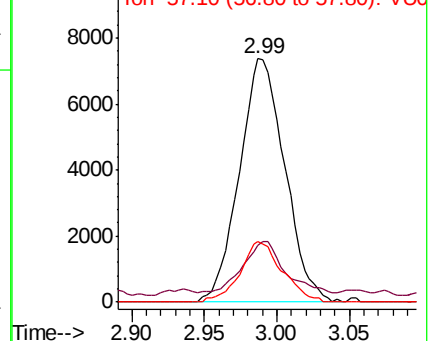
73 100

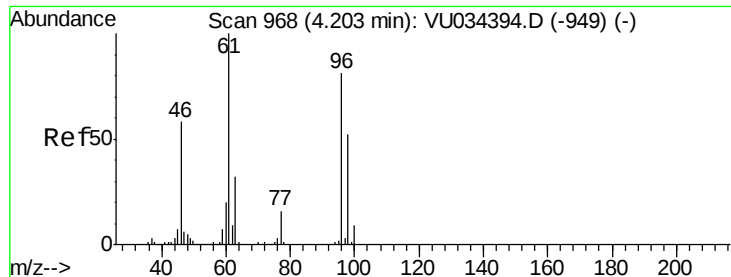
43 20.0 14.7 22.1

57 23.1 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034412.D (-498) (-)



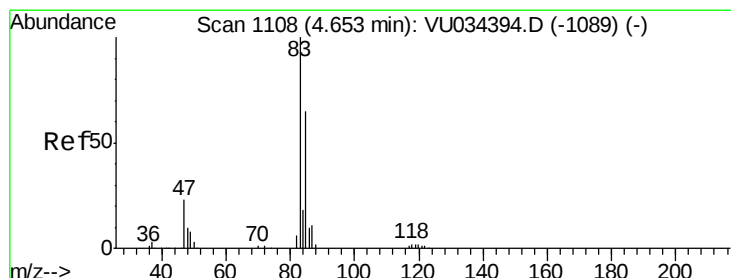
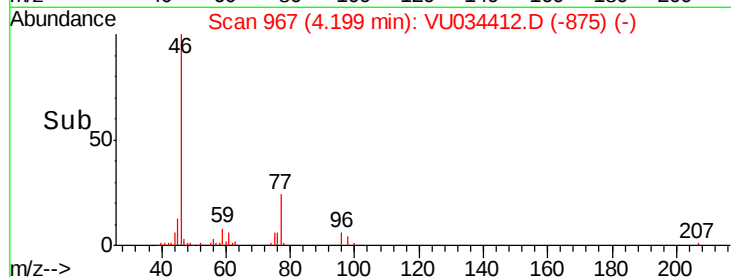
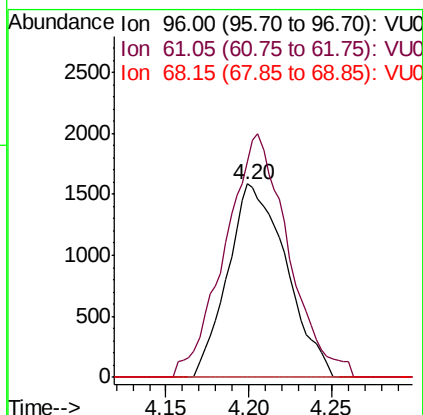
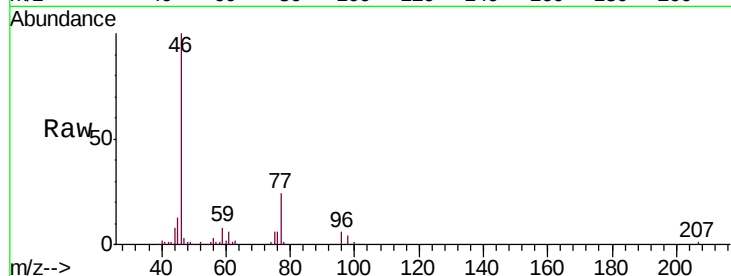


#22

cis-1,2-Dichloroethene
 Concen: 0.195 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU034412.D
 Acq: 08 Sep 2019 04:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFD99

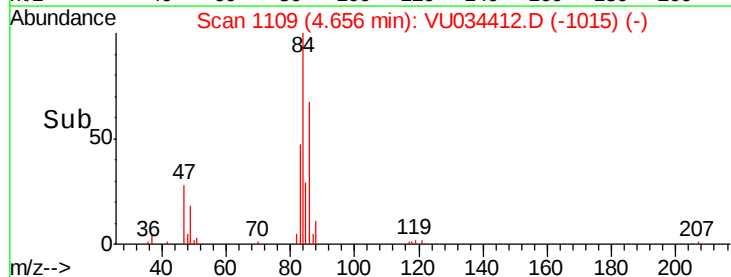
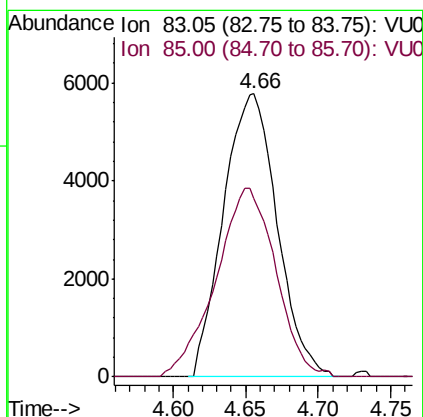
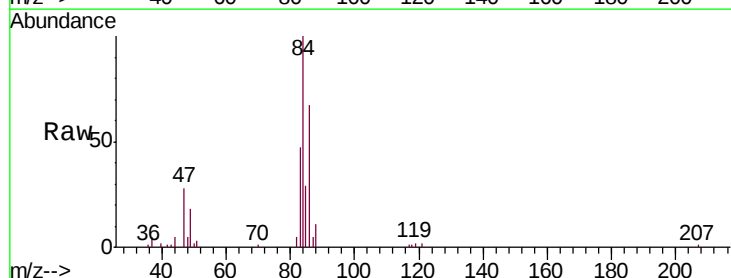
Tgt Ion: 96 Resp: 3890
 Ion Ratio Lower Upper
 96 100
 61 111.6 93.6 173.8
 68 0.0 0.0 0.0

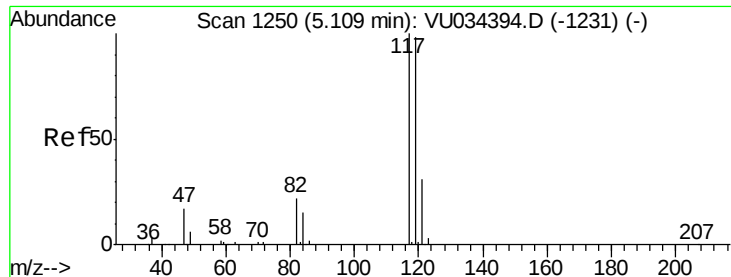


#25

Chloroform
 Concen: 0.418 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VU034412.D
 Acq: 08 Sep 2019 04:41

Tgt Ion: 83 Resp: 14922
 Ion Ratio Lower Upper
 83 100
 85 63.1 46.8 86.8





#31

Carbon tetrachloride

Concen: 0.192 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Instrument :

MSVOA_U

ClientSampled :

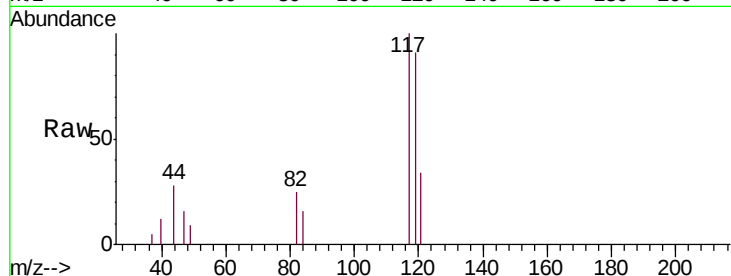
BFD99

Tgt Ion: 117 Resp: 5195

Ion Ratio Lower Upper

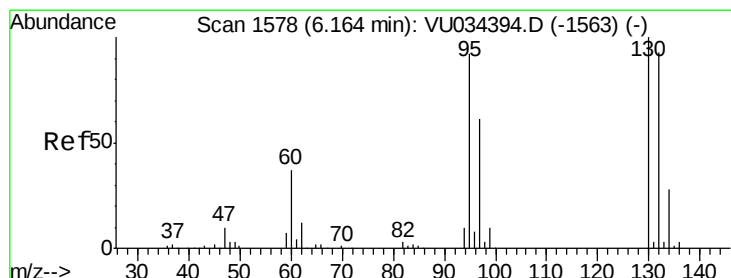
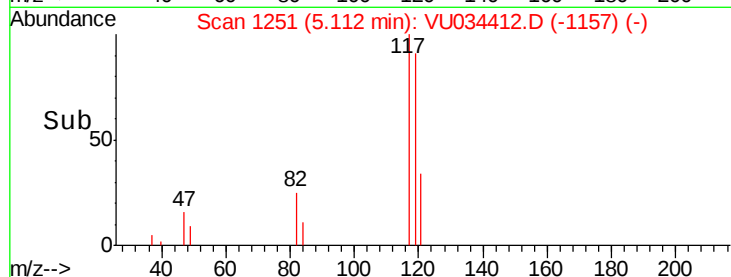
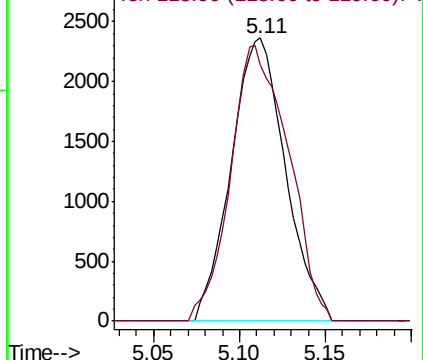
117 100

119 103.8 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 6.922 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Tgt Ion: 95 Resp: 150666

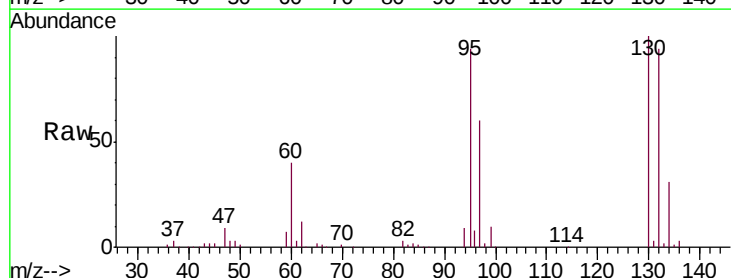
Ion Ratio Lower Upper

95 100

97 63.9 43.3 80.5

132 99.5 68.6 127.4

130 105.8 70.5 130.9

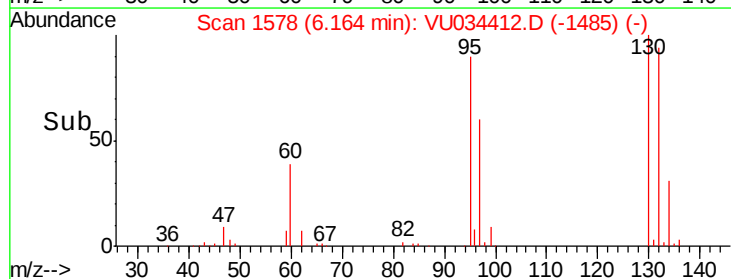
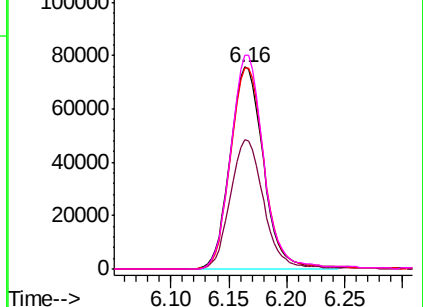


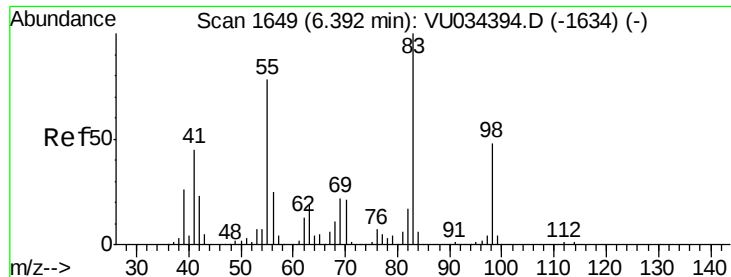
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

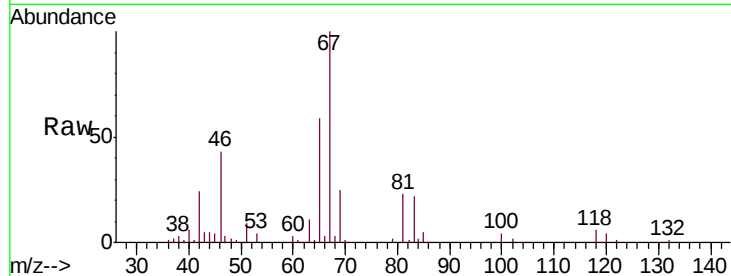




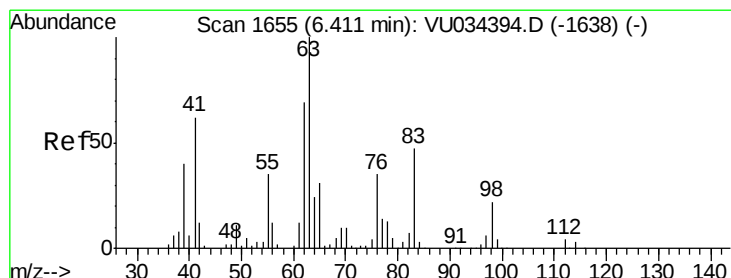
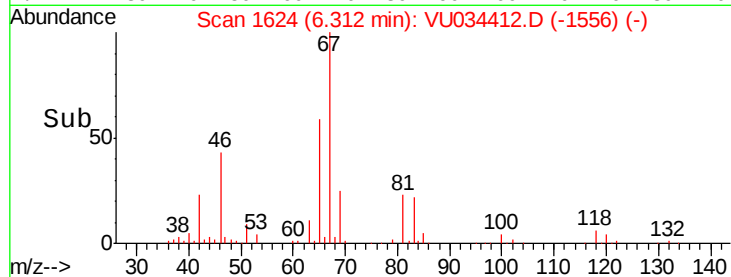
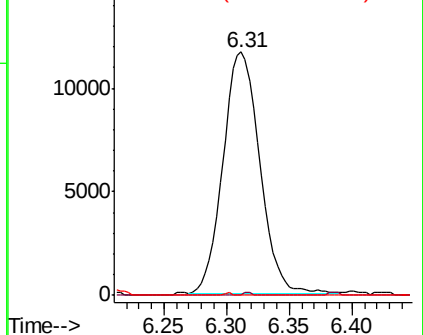
#35
Methylcyclohexane
Concen: 0.655 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU034412.D
Acq: 08 Sep 2019 04:41

Instrument :
MSVOA_U
ClientSampleId :
BFD99

Tgt Ion: 83 Resp: 23632
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 0.9 36.2 54.2#

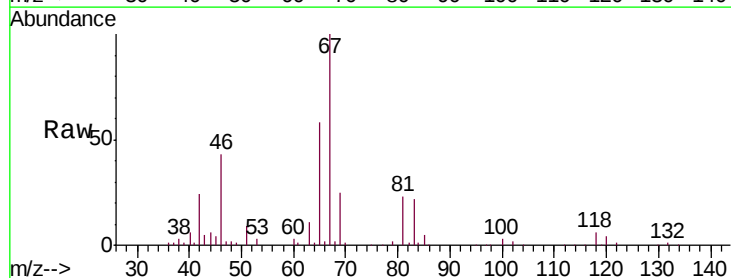


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

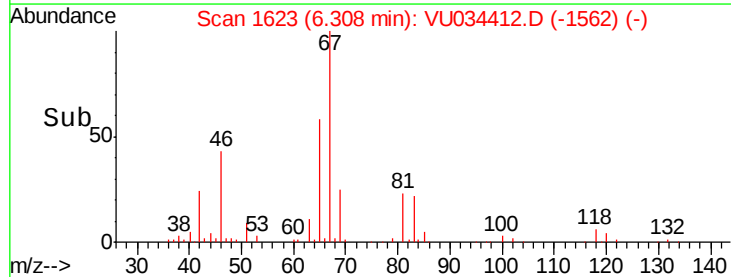
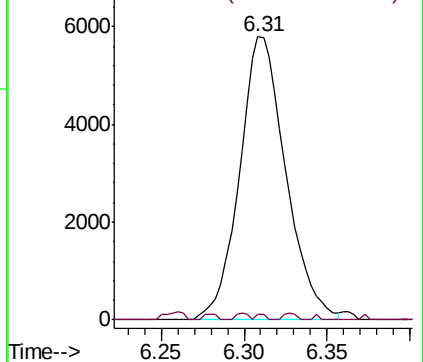


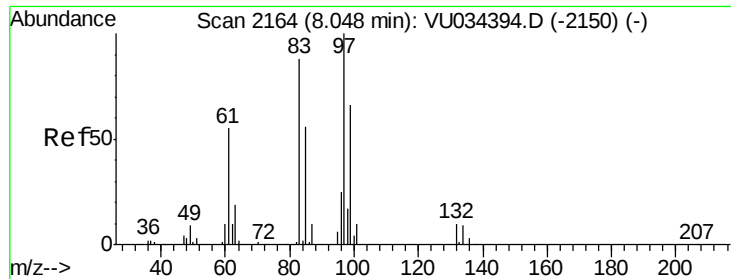
#37
1,2-Dichloropropane
Concen: 0.517 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU034412.D
Acq: 08 Sep 2019 04:41

Tgt Ion: 63 Resp: 11253
Ion Ratio Lower Upper
63 100
112 0.4 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#45

1,1,2-Trichloroethane

Concen: 0.750 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. 0.15 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Instrument :

MSVOA_U

ClientSampleId :

BFD99

Tgt Ion: 97 Resp: 10471

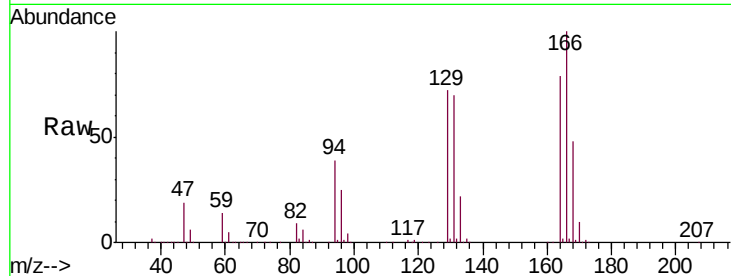
Ion Ratio Lower Upper

97 100

99 15.9 45.5 84.5#

83 303.5 61.5 114.3#

85 41.5 40.0 74.2

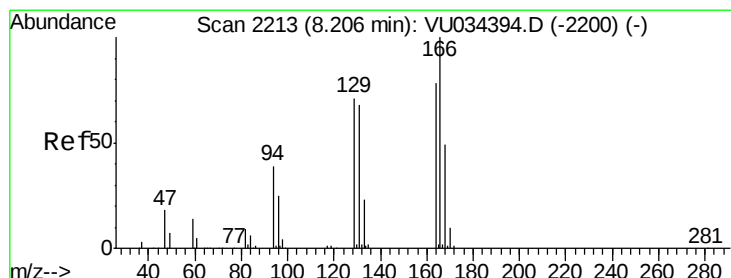
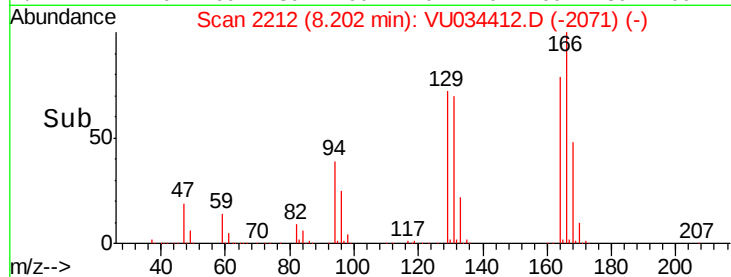
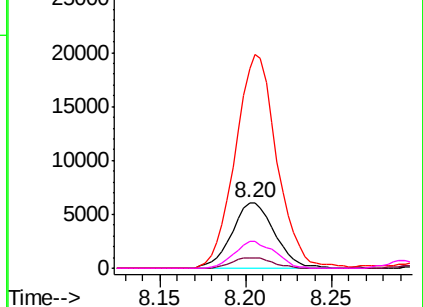


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 86.556 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Tgt Ion:164 Resp: 1548471

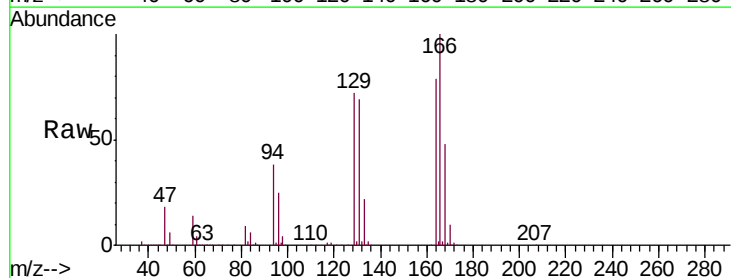
Ion Ratio Lower Upper

164 100

129 91.5 68.0 126.2

131 87.9 64.6 120.0

166 127.2 92.0 170.8

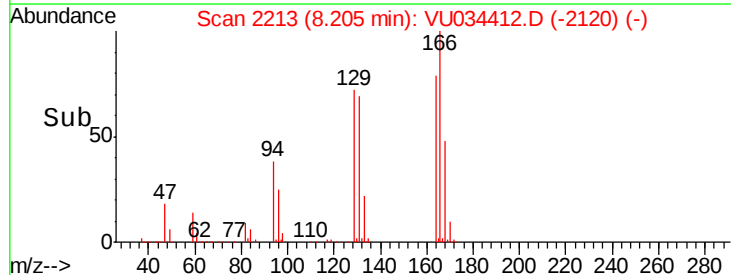
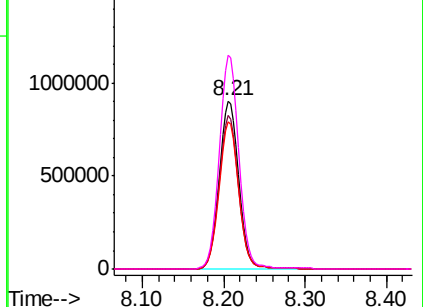


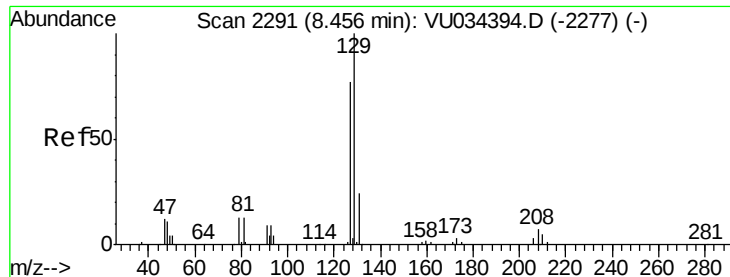
Abundance Ion 163.90 (163.60 to 164.60): V

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: 85.058 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034412.D

Acq: 08 Sep 2019 04:41

Instrument :

MSVOA_U

ClientSampleId :

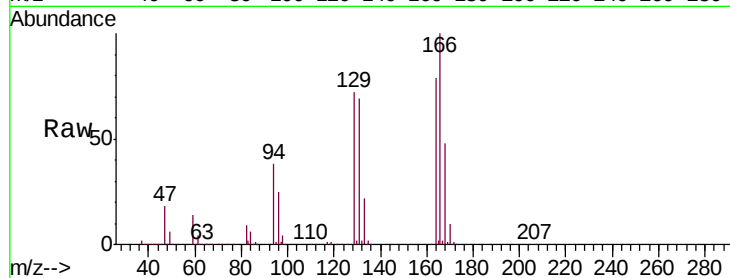
BFD99

Tgt Ion:129 Resp: 1408285

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

800000

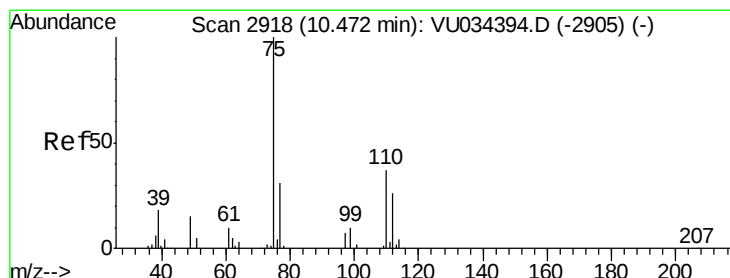
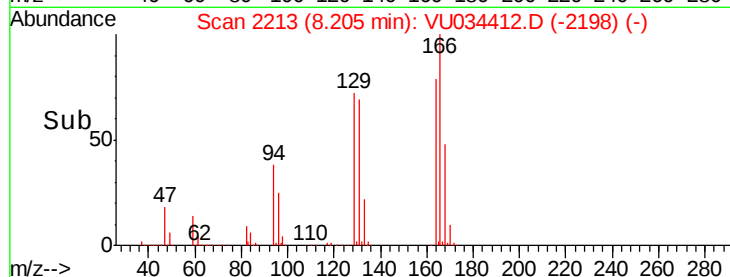
600000

400000

200000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.024 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034412.D

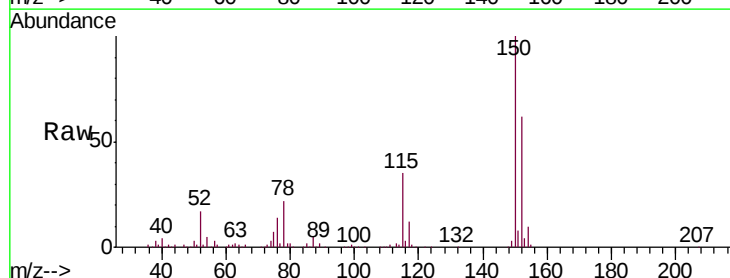
Acq: 08 Sep 2019 04:41

Tgt Ion: 75 Resp: 12762

Ion Ratio Lower Upper

75 100

77 36.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.46

8000

6000

4000

2000

0

Time-->

