

Data File : VU030242.D
Acq On : 20 Mar 2019 22:49
Operator : JC/SP
Sample : K2022-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09C8

Quant Time: Mar 22 01:34:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	537396	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	535747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	315526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	143959	39.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.24%
7) Chloroethane-d5	1.68	69	129003	44.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	209022	31.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.06%
21) 2-Butanone-d5	4.17	46	266029	98.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	4.65	84	298846	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
26) 1,2-Dichloroethane-d4	5.31	65	179035	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
32) Benzene-d6	5.34	84	635569	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.04%
36) 1,2-Dichloropropane-d6	6.33	67	204149	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.46%
41) Toluene-d8	7.56	98	583082	43.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.84%
43) trans-1,3-Dichloropropene-	7.85	79	90287	42.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.90%
47) 2-Hexanone-d5	8.31	63	218518	96.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315122	47.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.06%
64) 1,2-Dichlorobenzene-d4	11.88	152	297671	46.99	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.98%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2328	0.645	ug/L #	18
13) Acetone	2.32	43	9297	3.300	ug/L	94
29) Cyclohexane	4.99	56	12310	2.115	ug/L	98
31) Carbon tetrachloride	5.13	117	7663	1.499	ug/L	99
33) Benzene	5.39	78	111409	7.208	ug/L	100
35) Methylcyclohexane	6.41	83	53883	8.434	ug/L #	77
44) trans-1,3-Dichloropropene	7.85	75	3675	0.669	ug/L	92
46) Tetrachloroethene	8.22	164	2361	0.686	ug/L	91
48) 2-Hexanone	8.37	43	6115	1.354	ug/L #	79
49) Dibromochloromethane	8.23	129	4099	0.900	ug/L #	11
62) 1,3-Dichlorobenzene	11.42	146	7150176	710.277	ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	7150176	684.756	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	27599	16.050	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.89	180	20364	2.588	ug/L	98
69) Naphthalene	13.74	128	76097	3.447	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	4997721	688.435	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032019\
Quantitation Report (Not Reviewed)

Data File : VU030242.D
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Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration

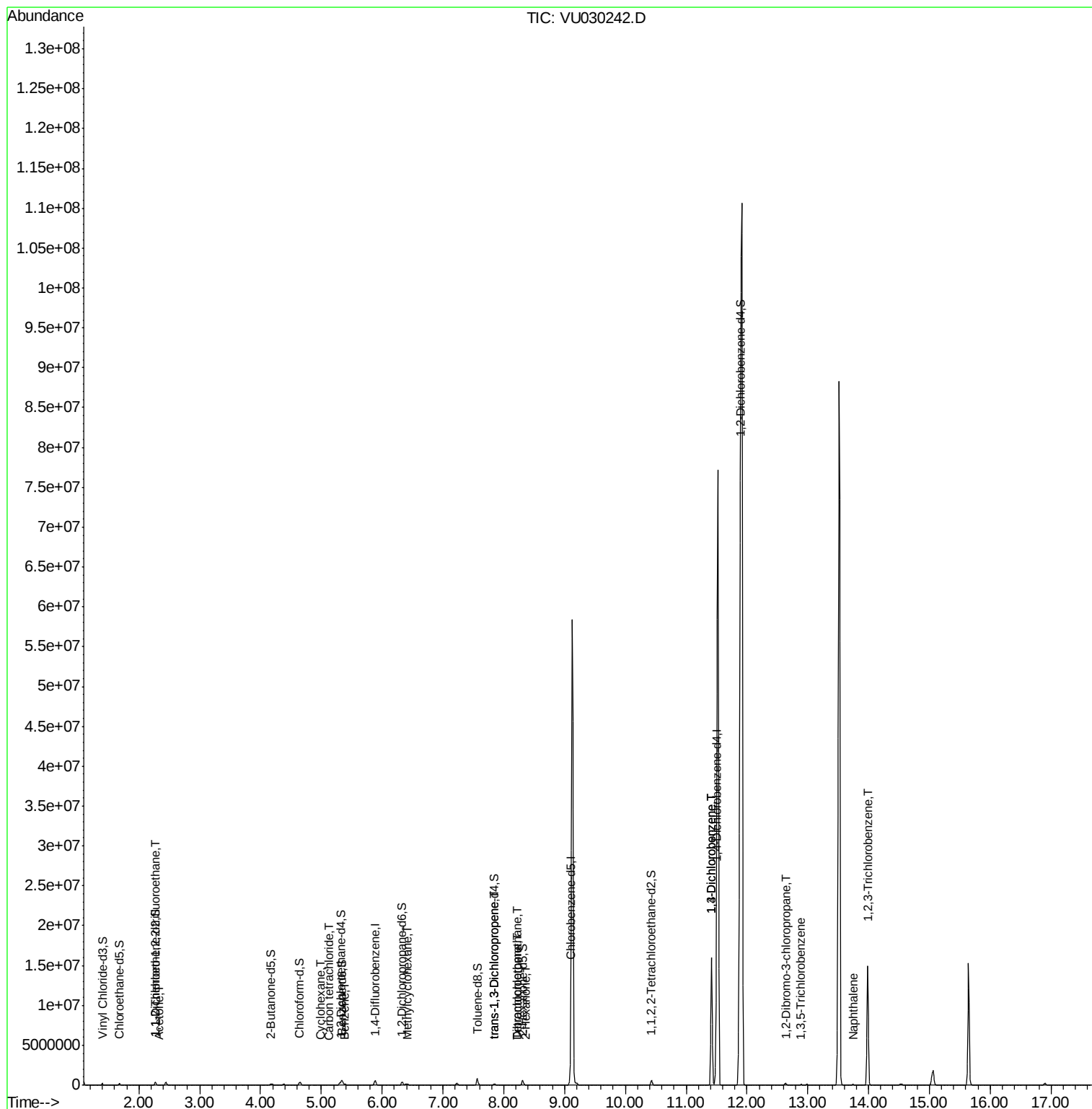
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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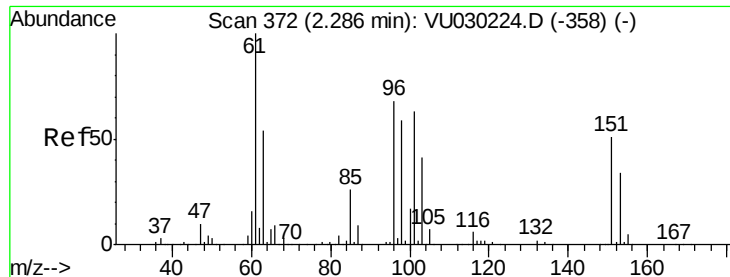
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





#10

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

Concen: 0.645 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

Instrument :

MSVOA_U

ClientSampleId :

C09C8

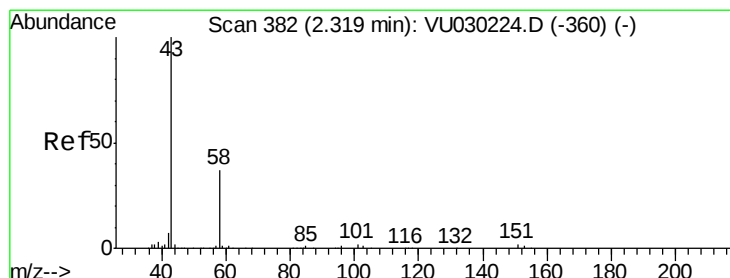
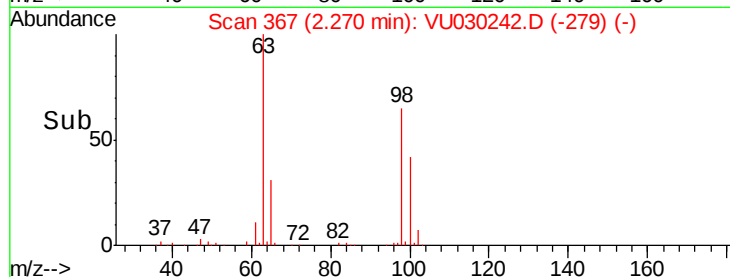
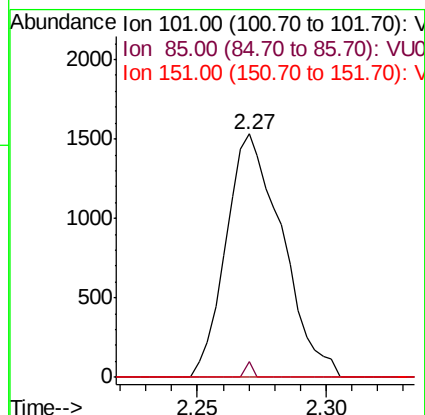
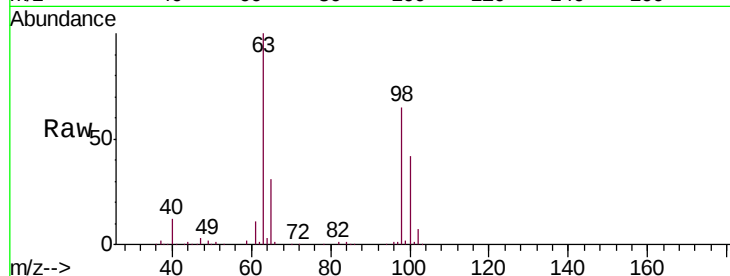
Tgt Ion: 101 Resp: 2328

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 64.7 97.1#



#13

Acetone

Concen: 3.300 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030242.D

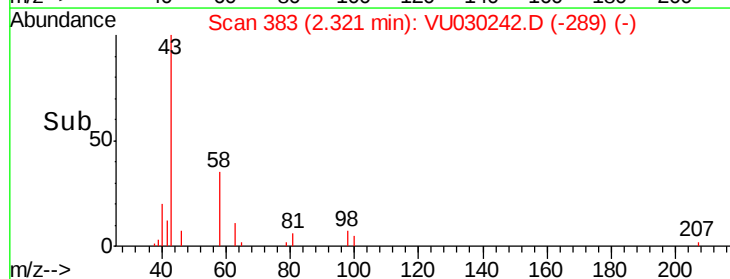
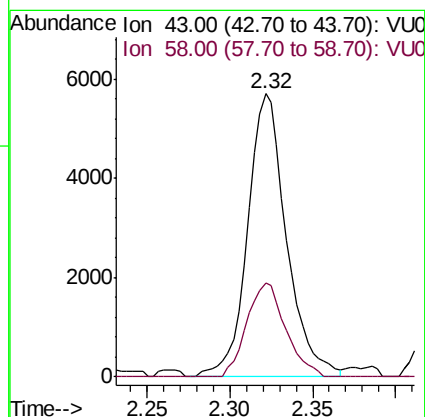
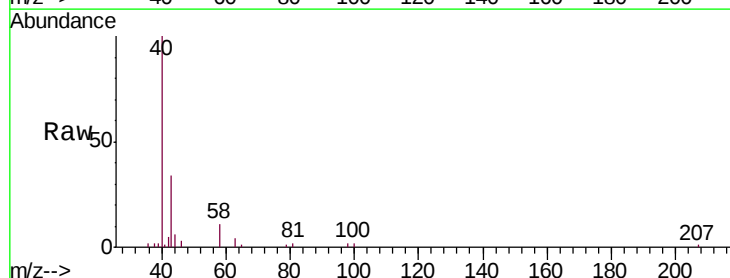
Acq: 20 Mar 2019 22:49

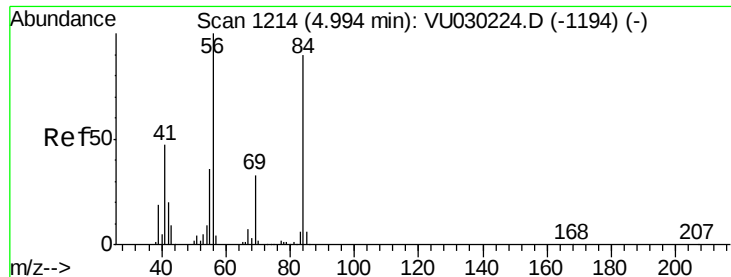
Tgt Ion: 43 Resp: 9297

Ion Ratio Lower Upper

43 100

58 33.0 0.0 73.4

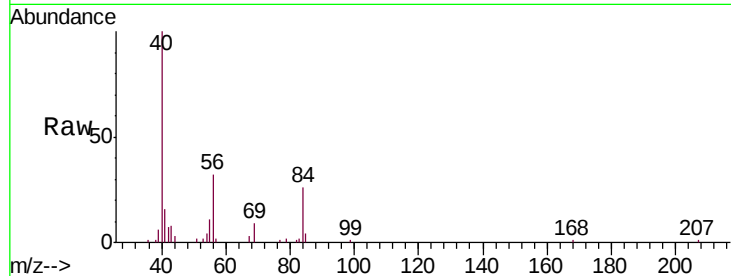




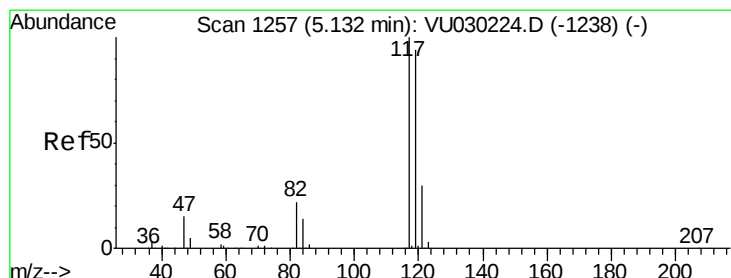
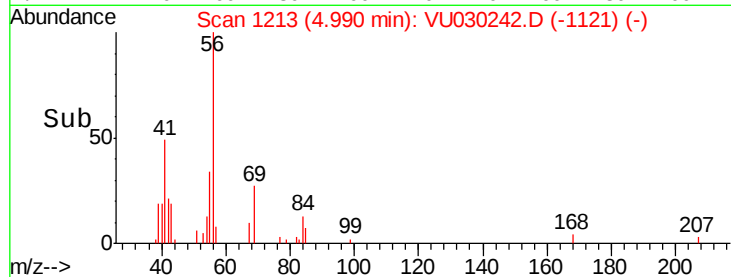
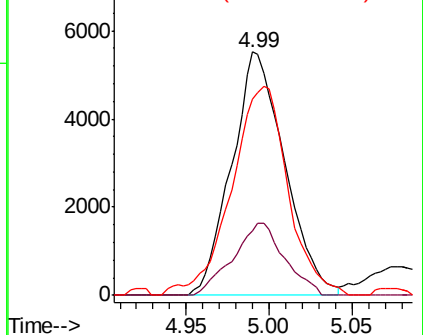
#29
Cyclohexane
Concen: 2.115 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030242.D
Acq: 20 Mar 2019 22:49

Instrument :
MSVOA_U
ClientSampled :
C09C8

Tgt Ion: 56 Resp: 12310
Ion Ratio Lower Upper
56 100
69 28.7 25.4 38.2
84 90.1 71.5 107.3

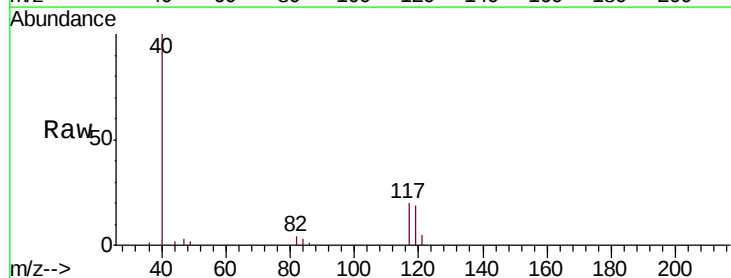


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

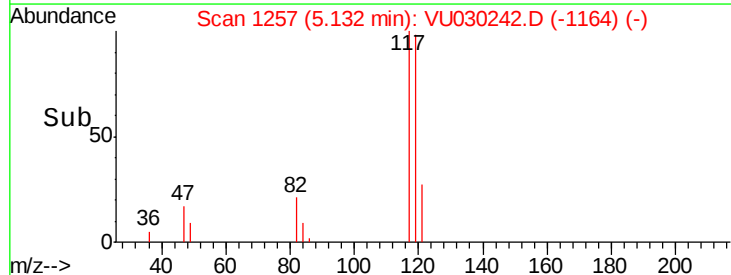
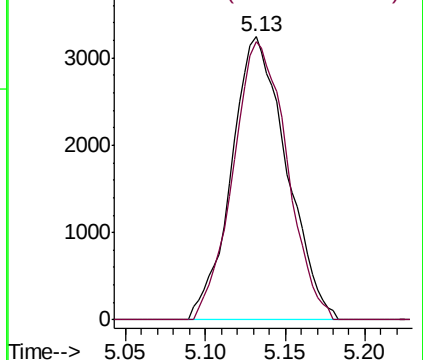


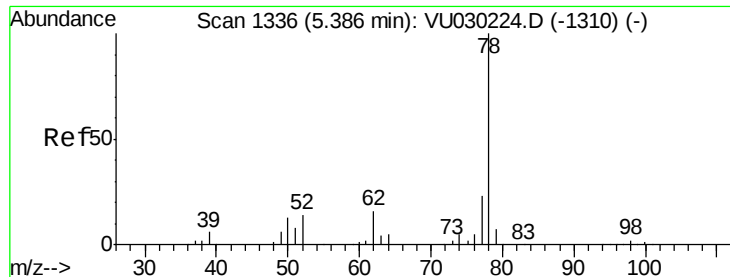
#31
Carbon tetrachloride
Concen: 1.499 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030242.D
Acq: 20 Mar 2019 22:49

Tgt Ion: 117 Resp: 7663
Ion Ratio Lower Upper
117 100
119 95.8 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 7.208 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

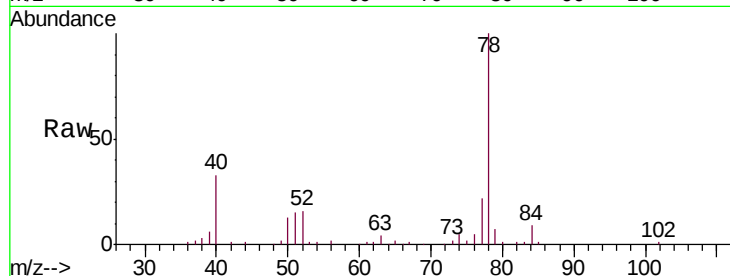
Instrument :

MSVOA_U

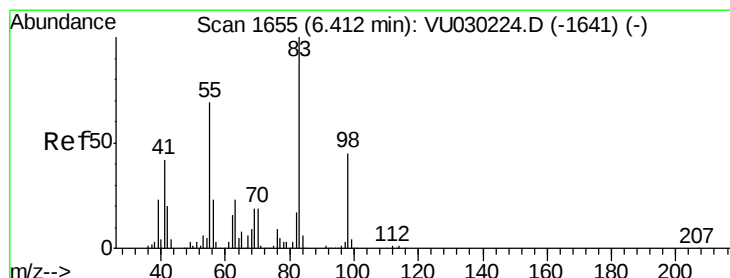
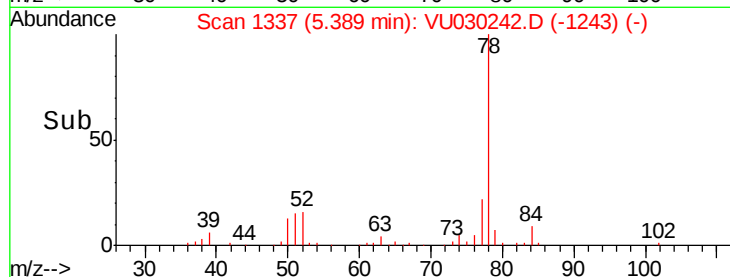
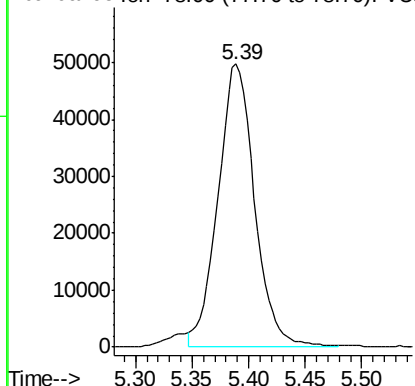
ClientSampleId :

C09C8

Tgt Ion: 78 Resp: 111409



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 8.434 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

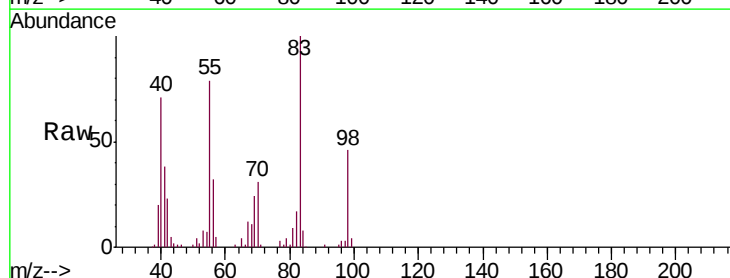
Tgt Ion: 83 Resp: 53883

Ion	Ratio	Lower	Upper
83	100		
55	99.2	56.6	85.0#
98	49.4	37.0	55.4

83 100

55 99.2 56.6 85.0#

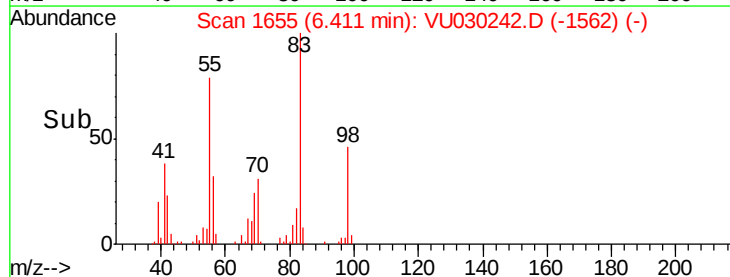
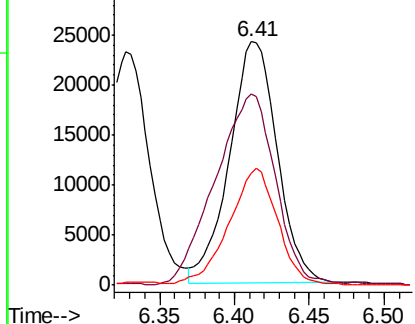
98 49.4 37.0 55.4

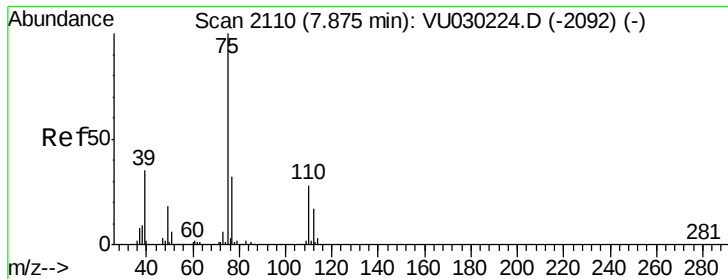


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

Instrument :

MSVOA_U

ClientSampleId :

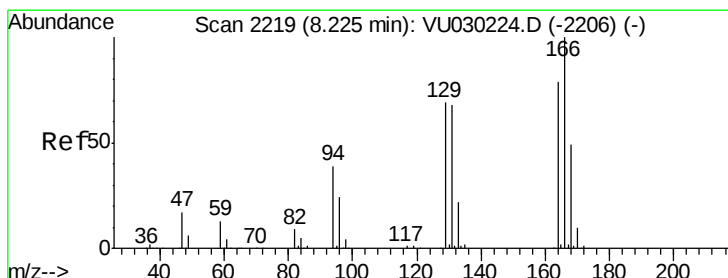
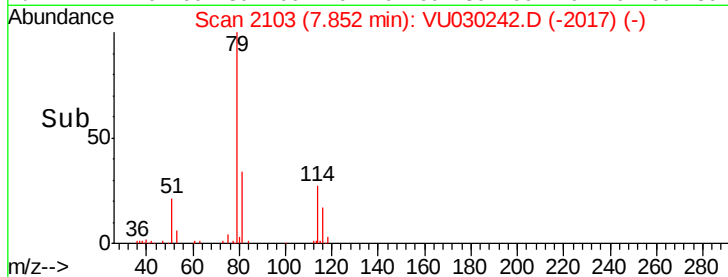
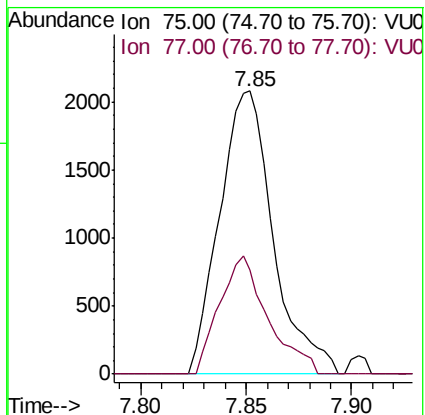
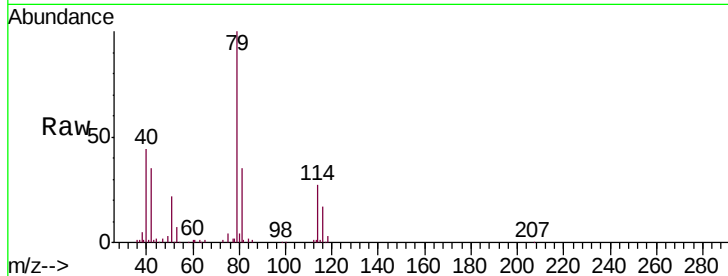
C09C8

Tgt Ion: 75 Resp: 3675

Ion Ratio Lower Upper

75 100

77 36.9 22.7 42.1



#46

Tetrachloroethene

Concen: 0.686 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

Tgt Ion: 164 Resp: 2361

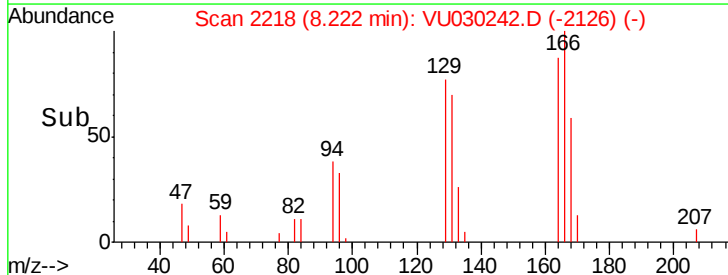
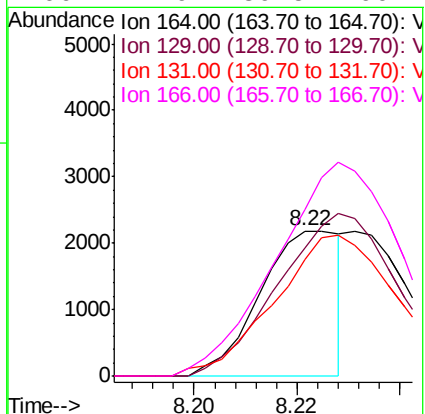
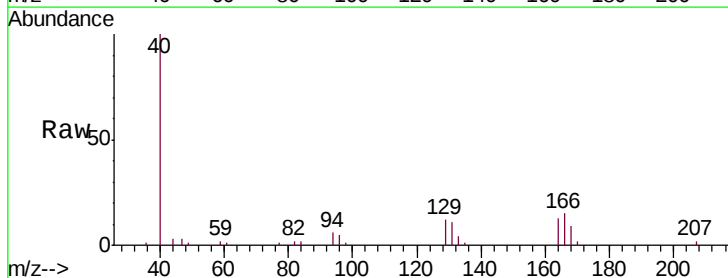
Ion Ratio Lower Upper

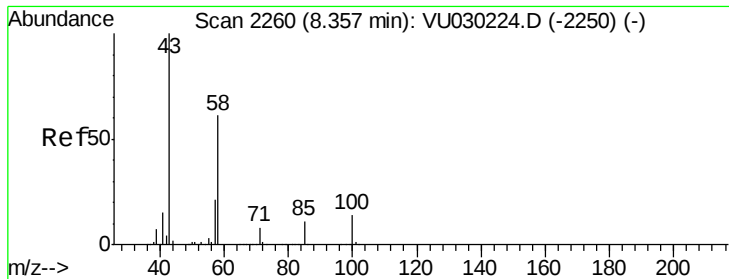
164 100

129 88.2 64.4 119.6

131 80.2 63.2 117.4

166 114.9 89.5 166.1

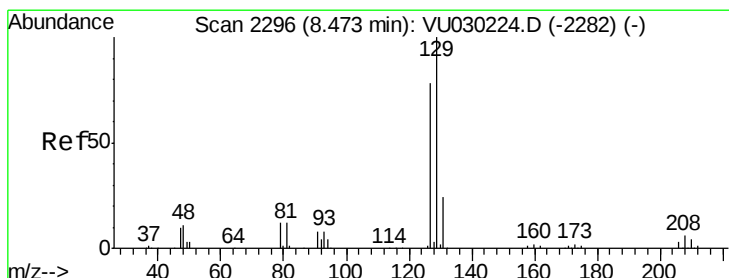
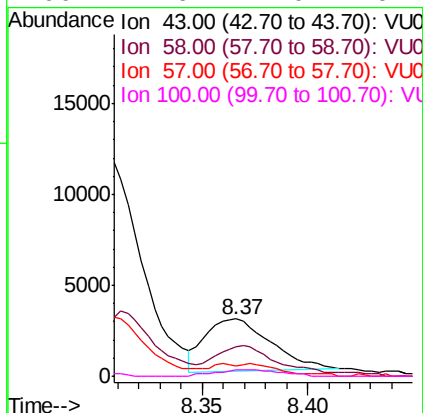
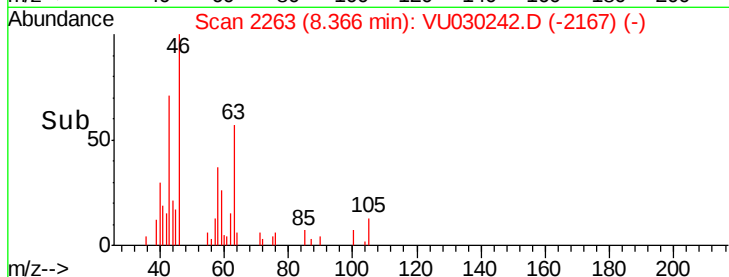
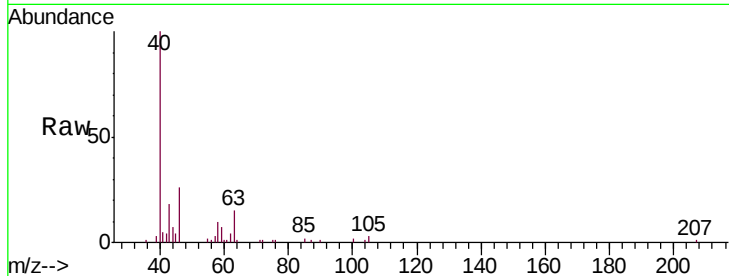




#48
2-Hexanone
Concen: 1.354 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030242.D
Acq: 20 Mar 2019 22:49

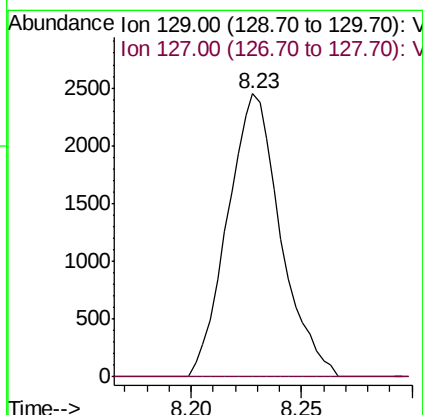
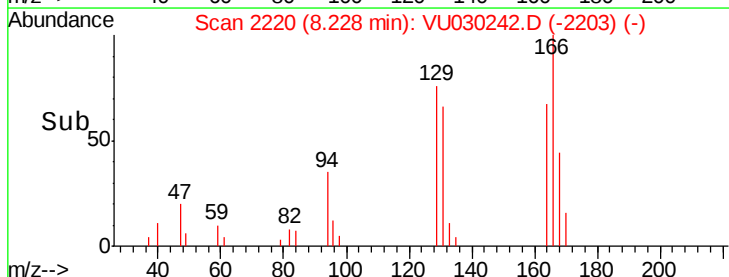
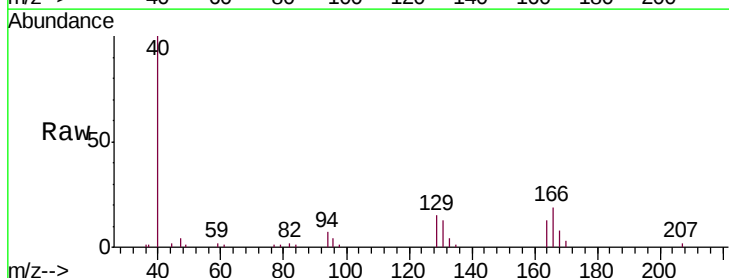
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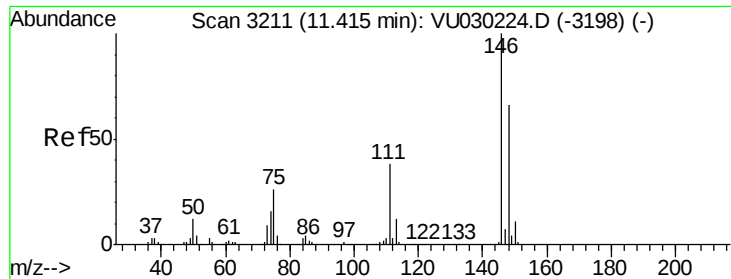
Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
58 48.0 49.3 73.9#
57 9.5 17.0 25.4#
100 2.6 11.0 16.4#



#49
Dibromochloromethane
Concen: 0.900 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. -0.24 min
Lab File: VU030242.D
Acq: 20 Mar 2019 22:49

Tgt Ion: 129 Resp: 4099
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#62

1,3-Dichlorobenzene

Concen: 710.277 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

Instrument :

MSVOA_U

ClientSampleId :

C09C8

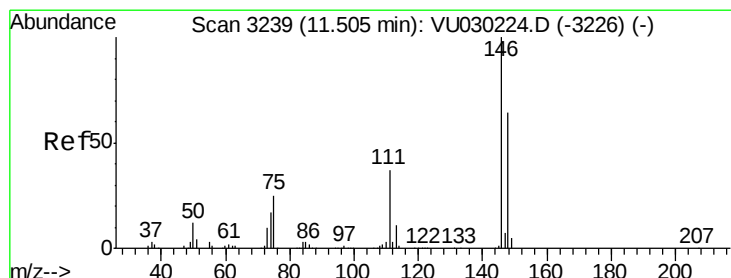
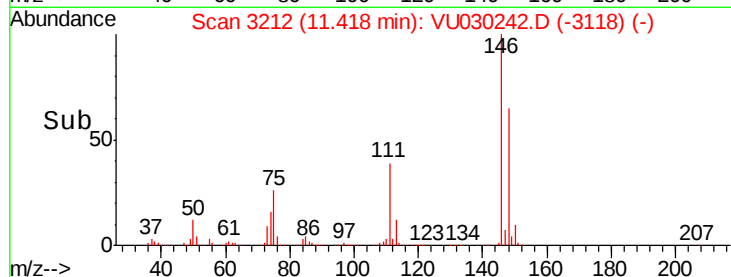
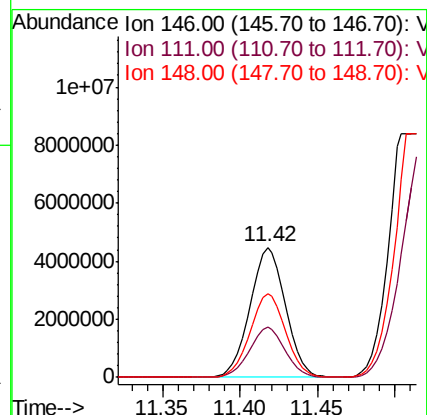
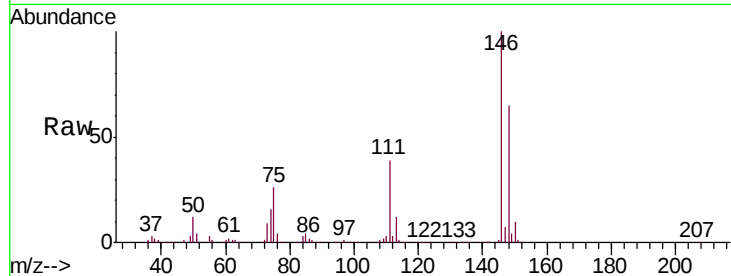
Tgt Ion:146 Resp: 7150176

Ion Ratio Lower Upper

146 100

111 38.6 27.2 50.4

148 64.6 44.4 82.5



#63

1,4-Dichlorobenzene

Concen: 684.756 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. -0.09 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

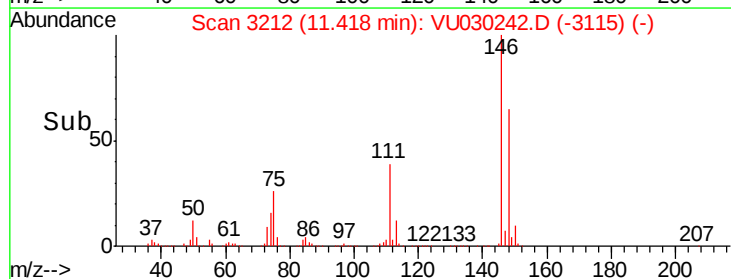
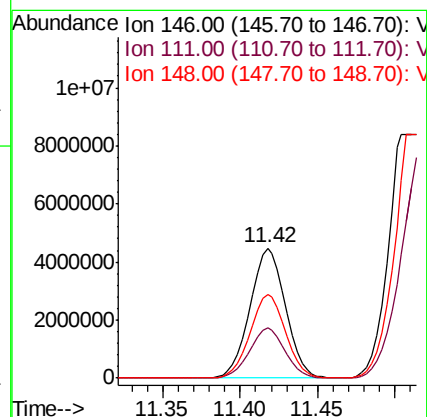
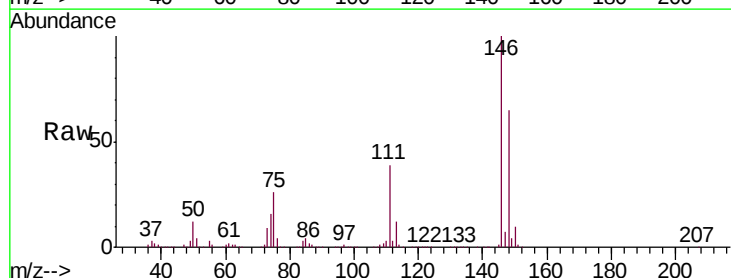
Tgt Ion:146 Resp: 7150176

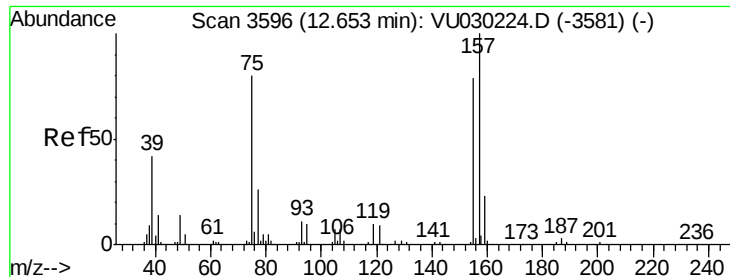
Ion Ratio Lower Upper

146 100

111 38.6 25.3 46.9

148 64.6 44.7 82.9

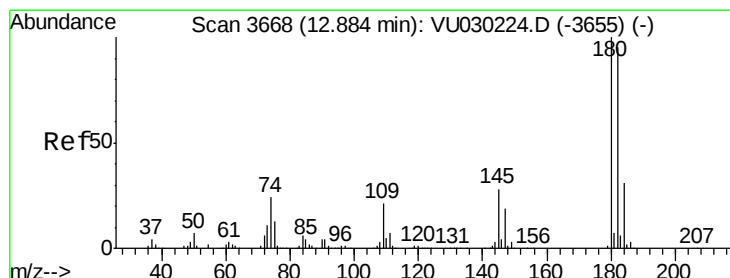
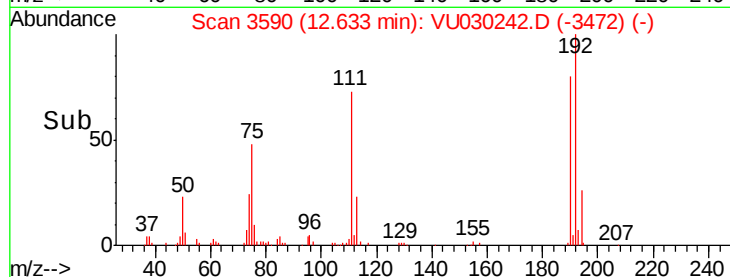
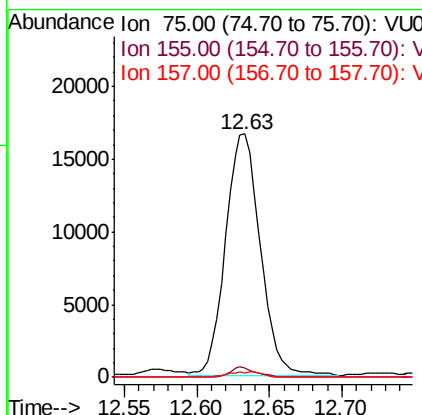
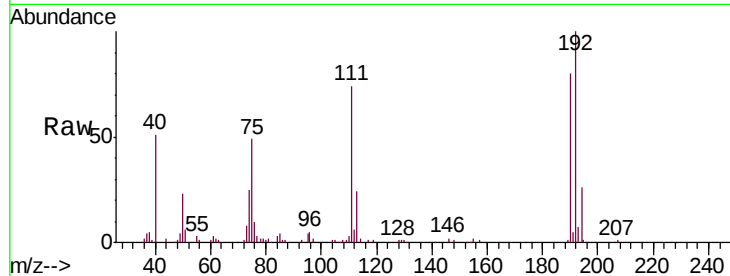




#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.050 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030242.D
 Acq: 20 Mar 2019 22:49

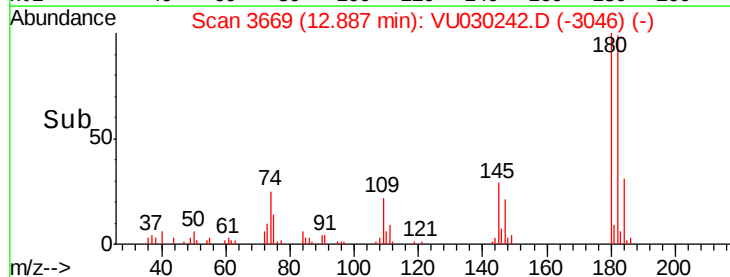
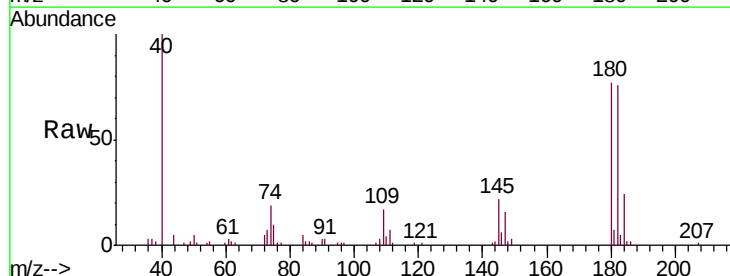
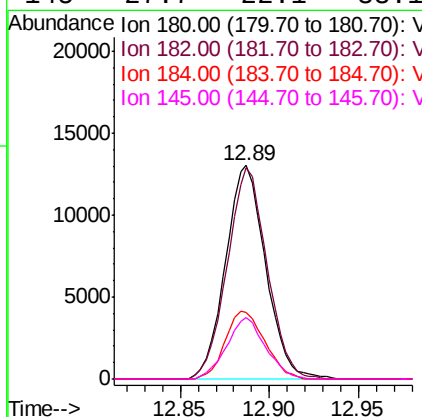
Instrument :
 MSVOA_U
 ClientSampleId :
 C09C8

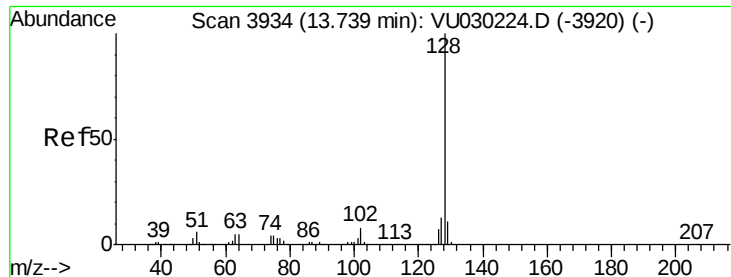
Tgt Ion: 75 Resp: 27599
 Ion Ratio Lower Upper
 75 100
 155 3.6 80.7 121.1#
 157 2.0 100.8 151.2#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.588 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030242.D
 Acq: 20 Mar 2019 22:49

Tgt Ion: 180 Resp: 20364
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.0 114.0
 184 31.1 24.2 36.4
 145 27.7 22.1 33.1





#69

Naphthalene

Concen: 3.447 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

Instrument :

MSVOA_U

ClientSampleId :

C09C8

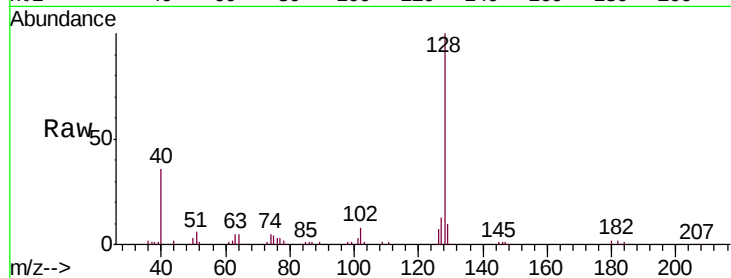
Tgt Ion:128 Resp: 76097

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

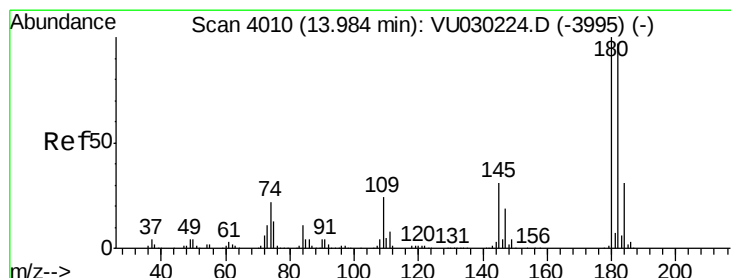
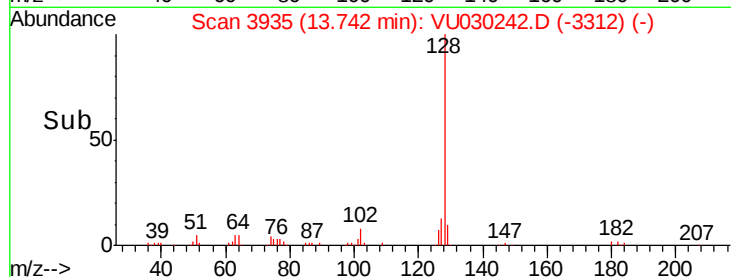
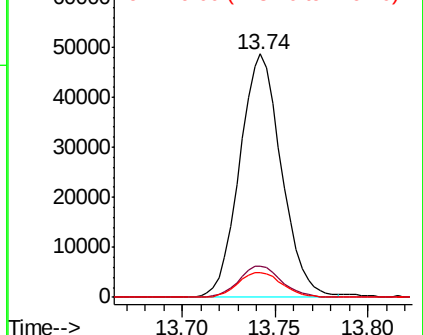
129 10.7 8.5 12.7



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



#70

1,2,3-Trichlorobenzene

Concen: 688.435 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030242.D

Acq: 20 Mar 2019 22:49

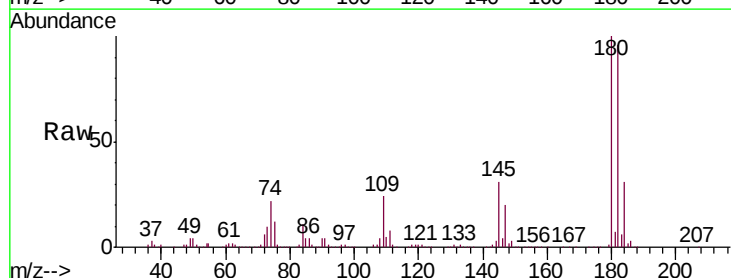
Tgt Ion:180 Resp: 4997721

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 31.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

