

Data File : VU030394.D
Acq On : 25 Mar 2019 03:14
Operator : JC/SP
Sample : K2070-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D1

Quant Time: Mar 25 05:54:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	432417	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	419895	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	119586	34.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.72%
7) Chloroethane-d5	1.68	69	104216	37.78	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.56%
11) 1,1-Dichloroethene-d2	2.27	63	188253	28.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.04%#
21) 2-Butanone-d5	4.17	46	309377	94.57	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.57%
24) Chloroform-d	4.64	84	264230	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
26) 1,2-Dichloroethane-d4	5.31	65	179616	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.56%
32) Benzene-d6	5.34	84	541543	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.94%
36) 1,2-Dichloropropane-d6	6.33	67	193733	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.04%
41) Toluene-d8	7.56	98	480033	44.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.78%
43) trans-1,3-Dichloropropene-	7.85	79	83637	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.34%
47) 2-Hexanone-d5	8.31	63	203390	91.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	263249	44.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	182376	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%

Target Compounds

					Qvalue
8) Chloroethane	1.59	64	2452	0.858 ug/L #	52
13) Acetone	2.32	43	10644	3.217 ug/L	98
25) Chloroform	4.67	83	23097	3.648 ug/L	98
27) 1,2-Dichloroethane	5.39	62	5158	1.038 ug/L #	75
31) Carbon tetrachloride	5.13	117	15536	3.565 ug/L	100
33) Benzene	5.39	78	669373	46.830 ug/L	100
42) Toluene	7.64	91	5760	0.388 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	3629	0.707 ug/L	91
62) 1,3-Dichlorobenzene	11.41	146	567259	89.325 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	2720807	416.171 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	5369949	836.258 ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.63	75	4942	3.456 ug/L #	5
67) 1,3,5-Trichlorobenzene	13.50	180	1165475	245.148 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	1165475	282.144 ug/L	99
69) Naphthalene	13.74	128	7520	0.512 ug/L #	89
70) 1,2,3-Trichlorobenzene	13.98	180	266798	61.165 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Not Reviewed)

Data File : VU030394.D
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Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

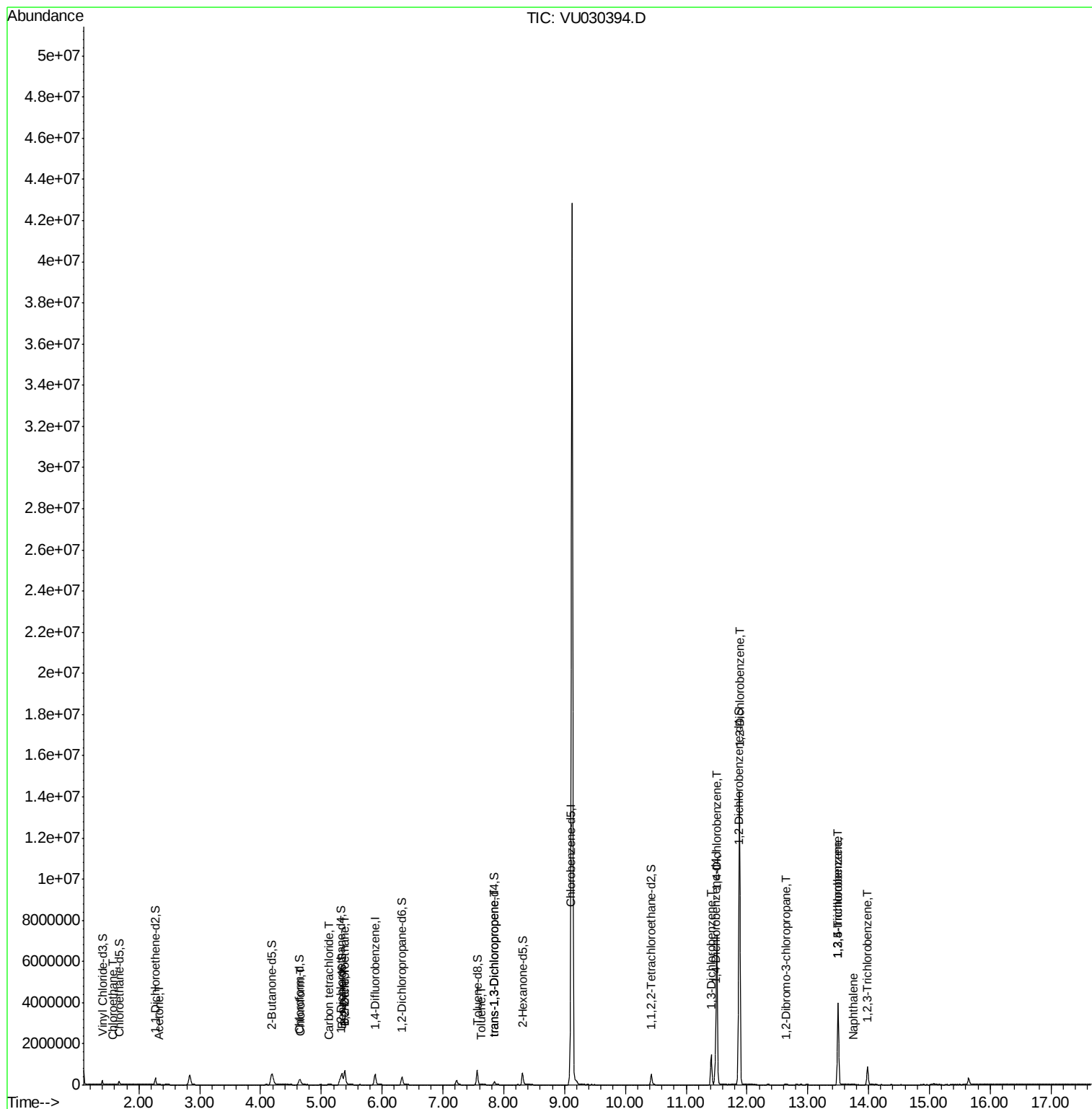
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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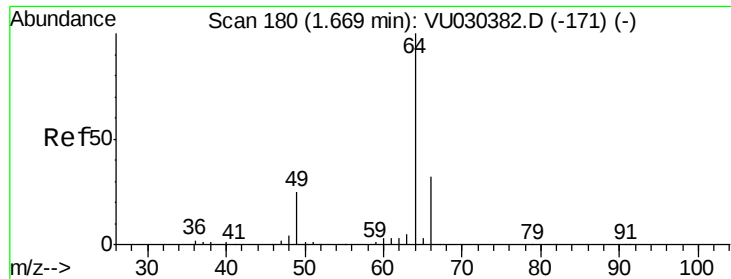
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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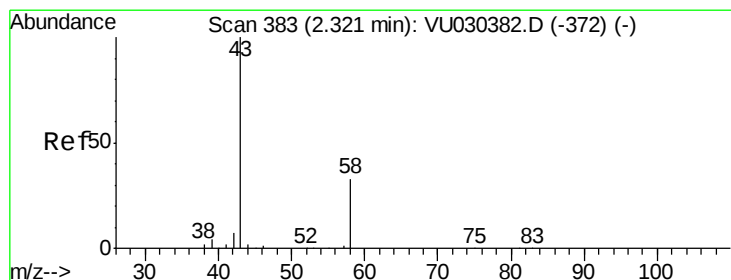
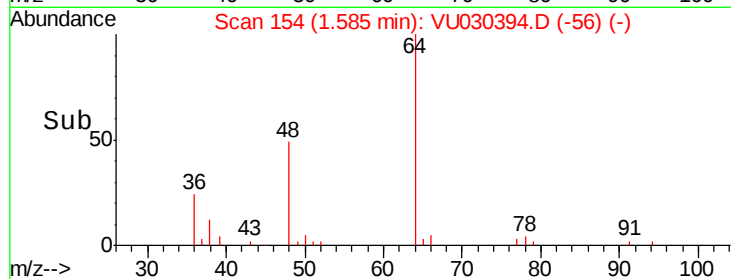
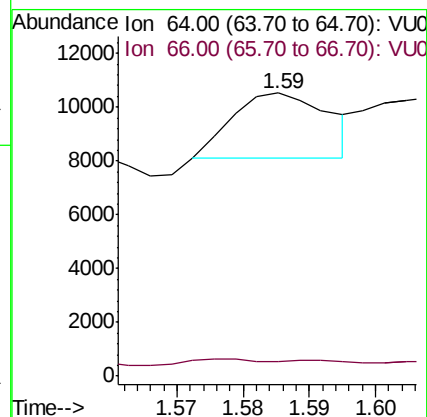
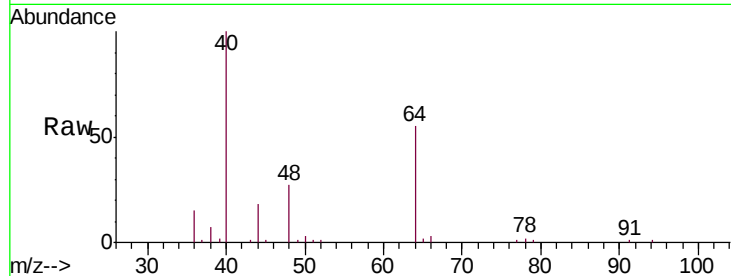




#8
Chloroethane
Concen: 0.858 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.08 min
Lab File: VU030394.D
Acq: 25 Mar 2019 03:14

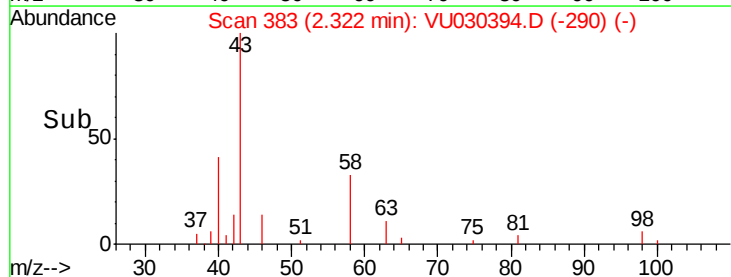
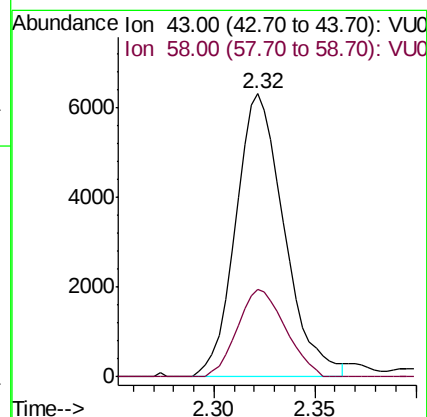
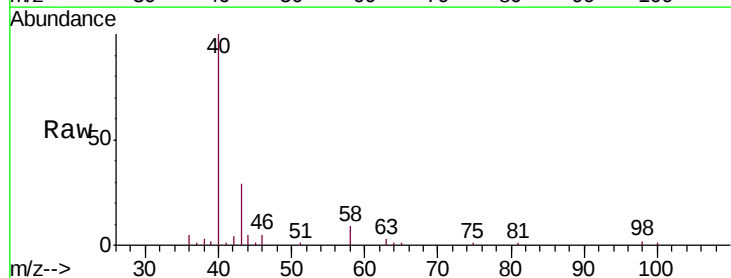
Instrument :
MSVOA_U
ClientSampleId :
C09D1

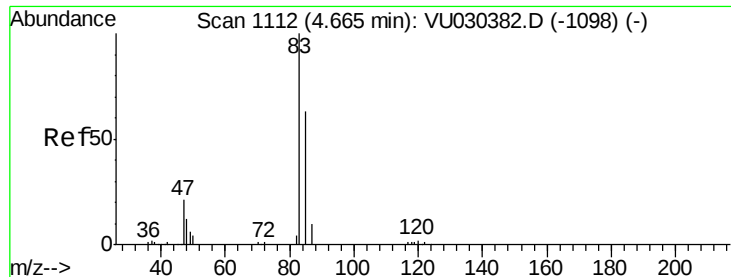
Tgt Ion: 64 Resp: 2452
Ion Ratio Lower Upper
64 100
66 5.3 22.5 41.7#



#13
Acetone
Concen: 3.217 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030394.D
Acq: 25 Mar 2019 03:14

Tgt Ion: 43 Resp: 10644
Ion Ratio Lower Upper
43 100
58 30.4 0.0 62.8

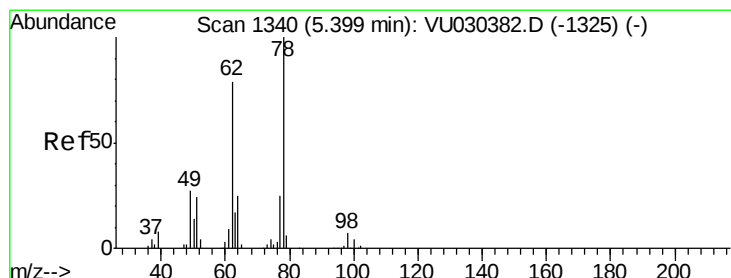
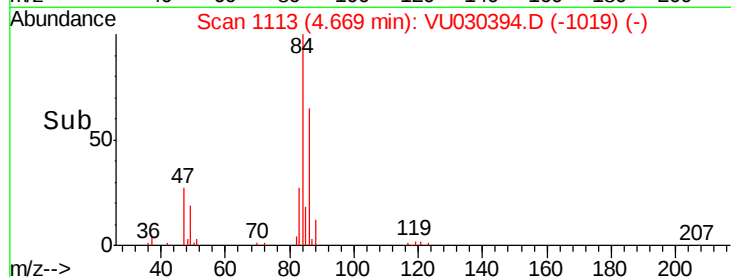
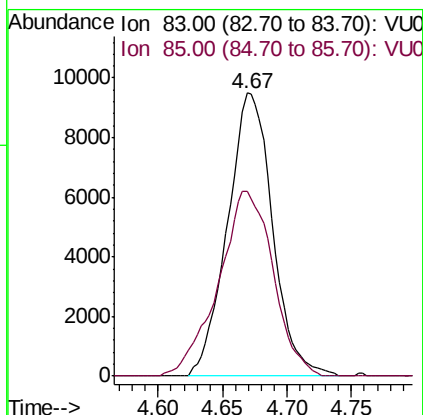
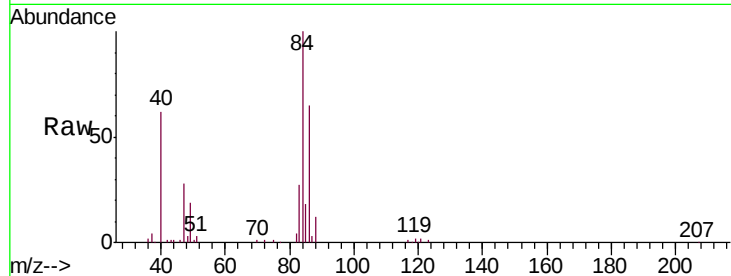




#25
Chloroform
Concen: 3.648 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030394.D
Acq: 25 Mar 2019 03:14

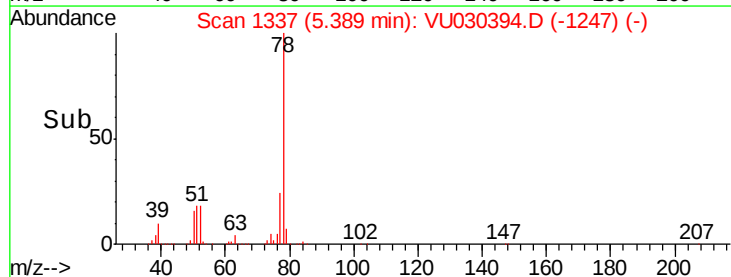
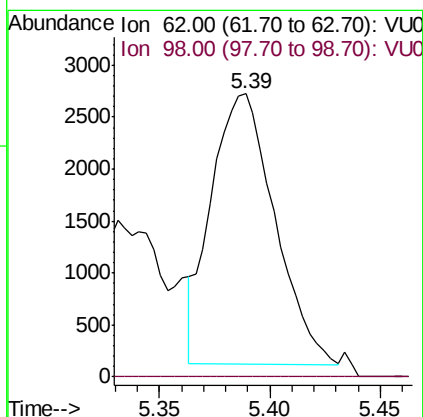
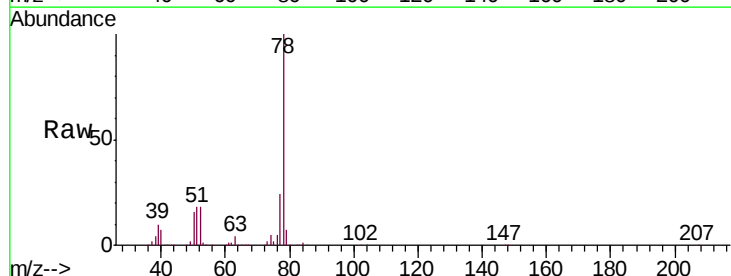
Instrument :
MSVOA_U
ClientSampled :
C09D1

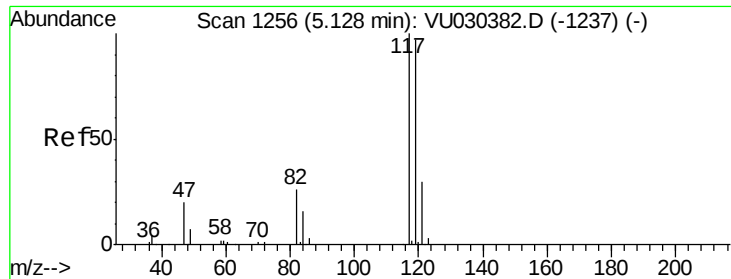
Tgt Ion: 83 Resp: 23097
Ion Ratio Lower Upper
83 100
85 65.2 44.4 82.4



#27
1,2-Dichloroethane
Concen: 1.038 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VU030394.D
Acq: 25 Mar 2019 03:14

Tgt Ion: 62 Resp: 5158
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#31

Carbon tetrachloride

Concen: 3.565 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

Instrument :

MSVOA_U

ClientSampleId :

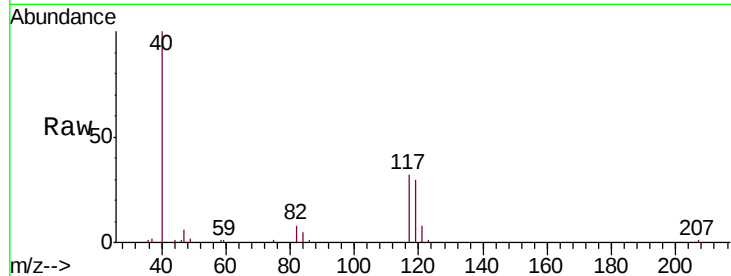
C09D1

Tgt Ion:117 Resp: 15536

Ion Ratio Lower Upper

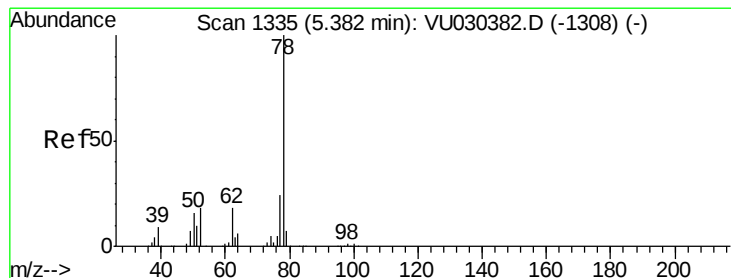
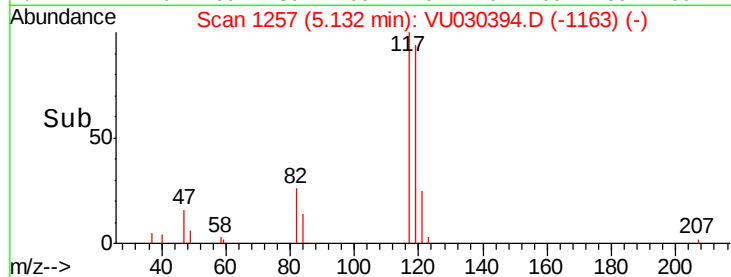
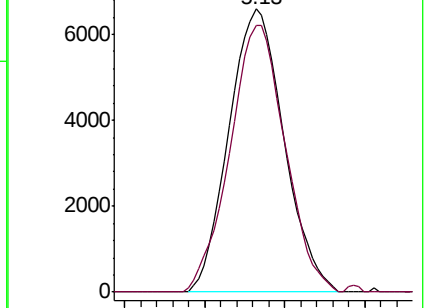
117 100

119 94.5 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.830 ug/L

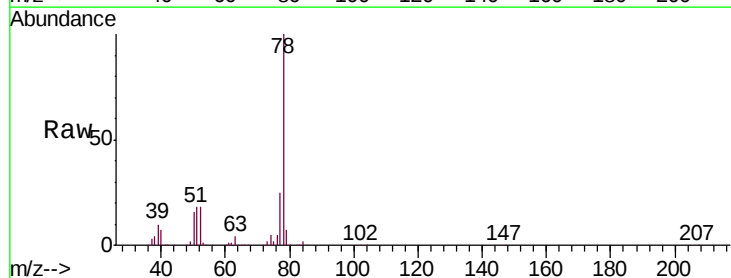
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

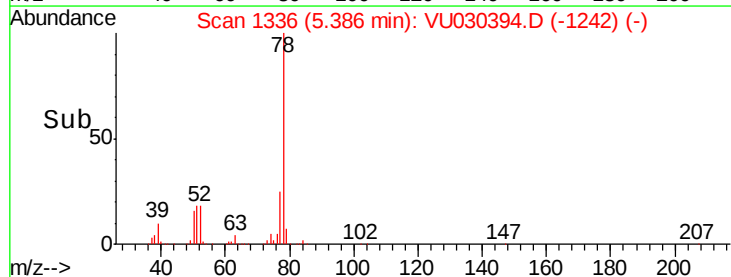
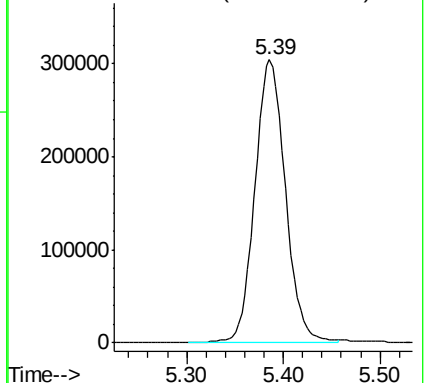
Lab File: VU030394.D

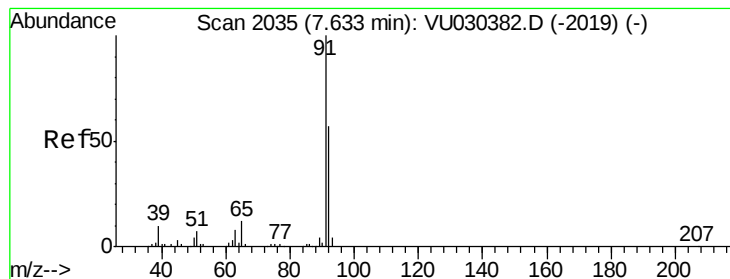
Acq: 25 Mar 2019 03:14

Tgt Ion: 78 Resp: 669373



Abundance Ion 78.00 (77.70 to 78.70): VU0





#42

Toluene

Concen: 0.388 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

Instrument :

MSVOA_U

ClientSampleId :

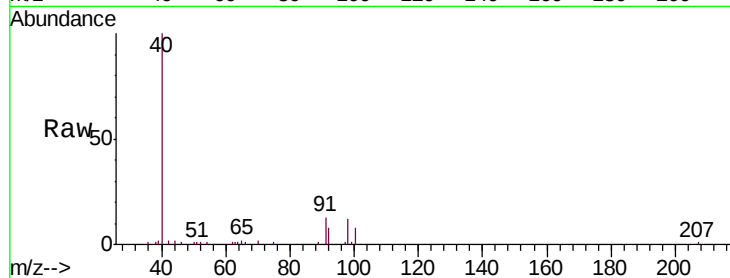
C09D1

Tgt Ion: 91 Resp: 5760

Ion Ratio Lower Upper

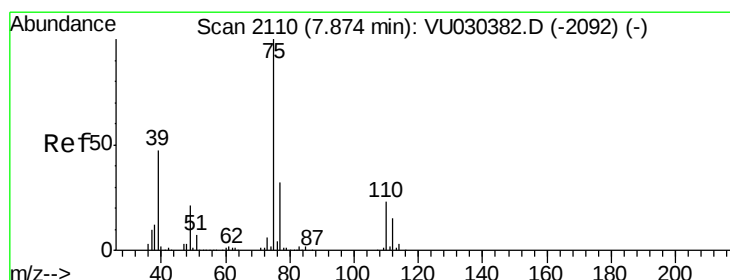
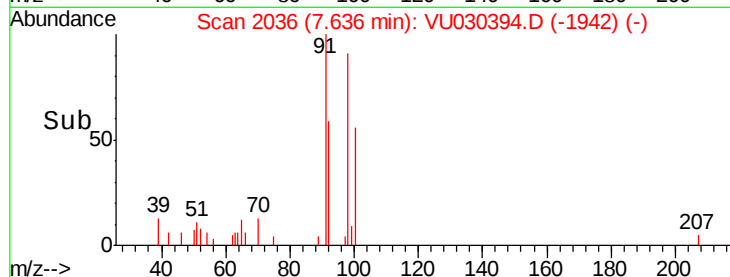
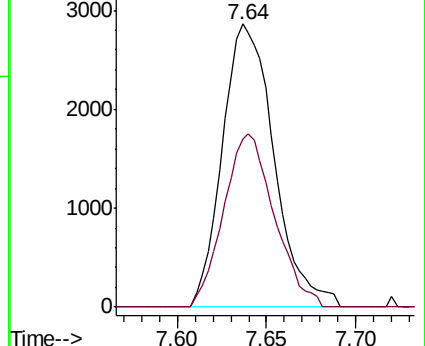
91 100

92 59.3 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030382.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VU030382.D (-2019) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.707 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030394.D

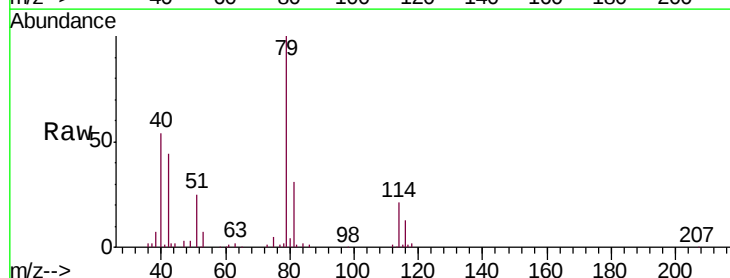
Acq: 25 Mar 2019 03:14

Tgt Ion: 75 Resp: 3629

Ion Ratio Lower Upper

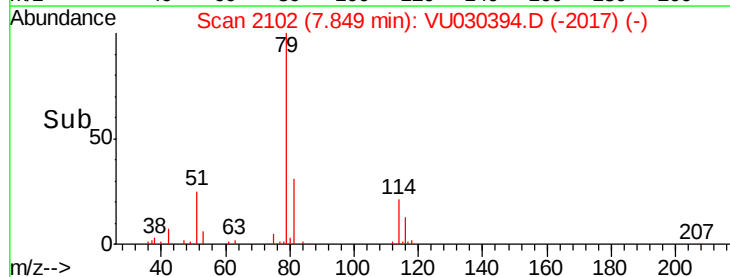
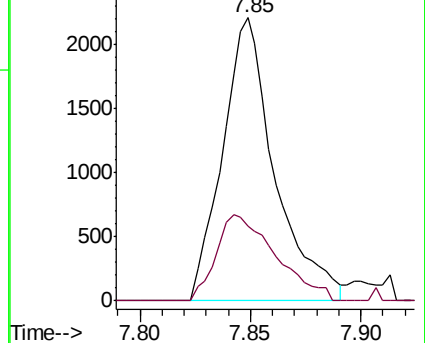
75 100

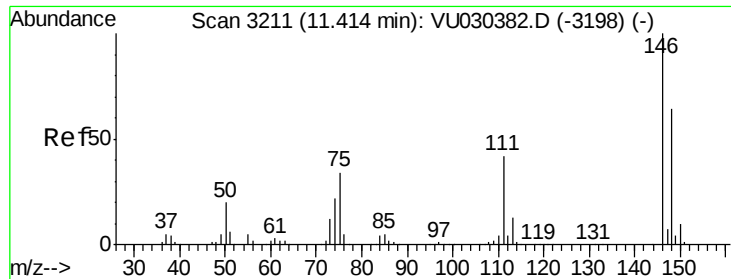
77 26.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU030382.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030382.D (-2092) (-)





#62

1,3-Dichlorobenzene

Concen: 89.325 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

Instrument :

MSVOA_U

ClientSampleId :

C09D1

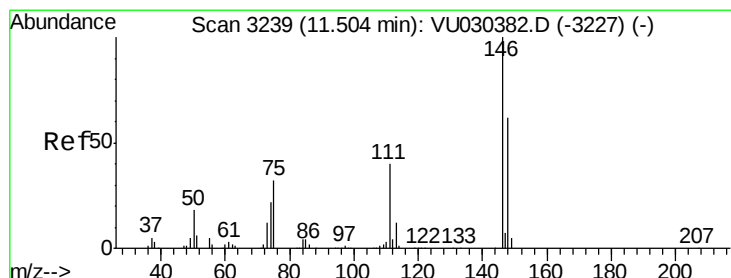
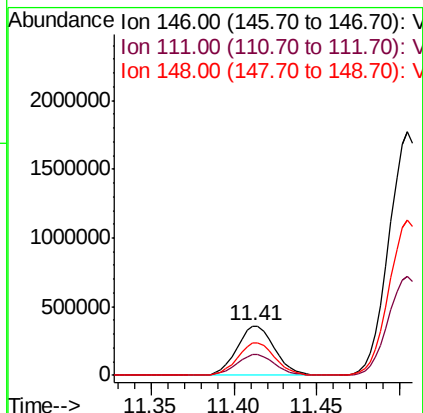
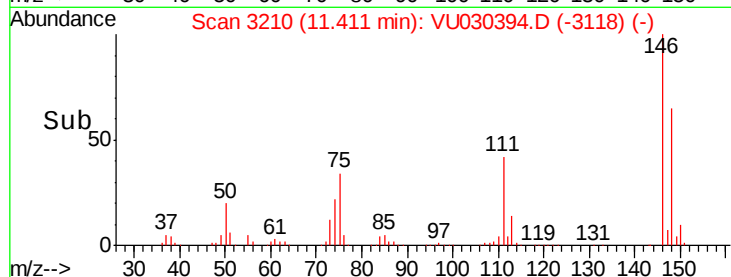
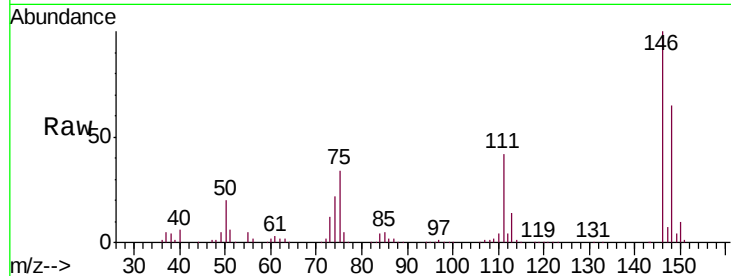
Tgt Ion:146 Resp: 567259

Ion Ratio Lower Upper

146 100

111 42.3 29.2 54.2

148 65.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 416.171 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

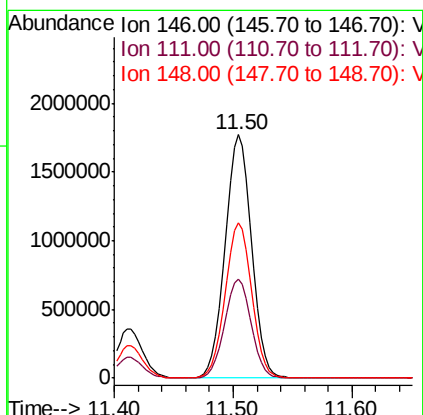
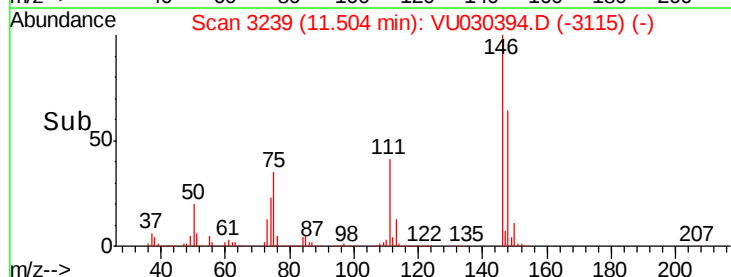
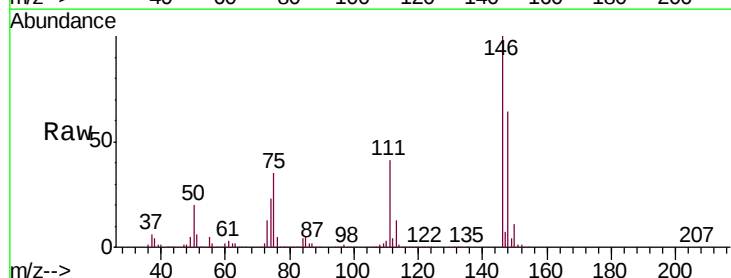
Tgt Ion:146 Resp: 2720807

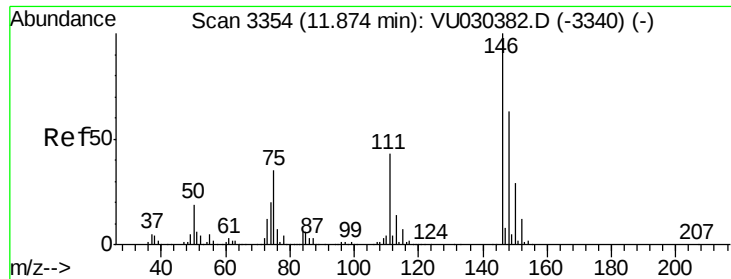
Ion Ratio Lower Upper

146 100

111 40.8 28.7 53.3

148 63.9 44.3 82.3

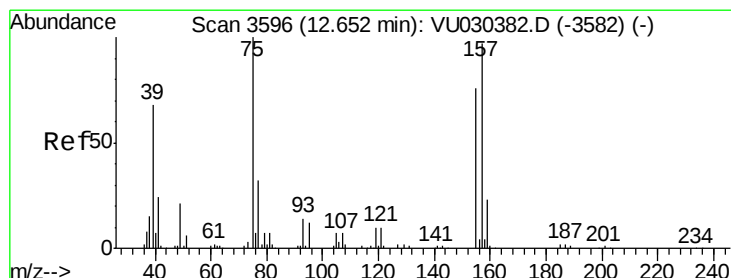
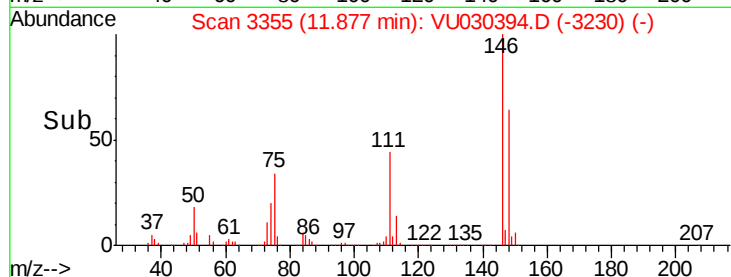
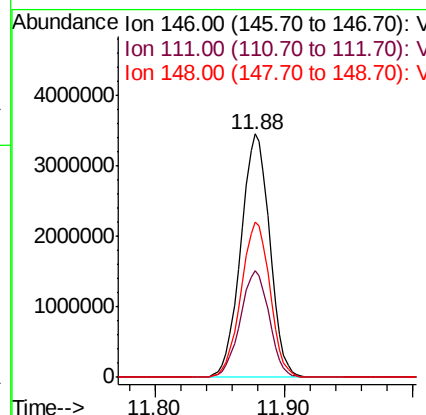
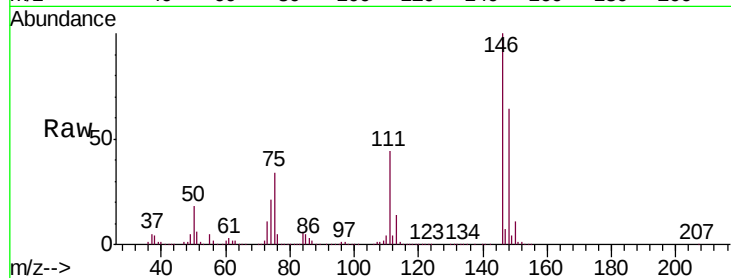




#65
 1,2-Dichlorobenzene
 Concen: 836.258 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030394.D
 Acq: 25 Mar 2019 03:14

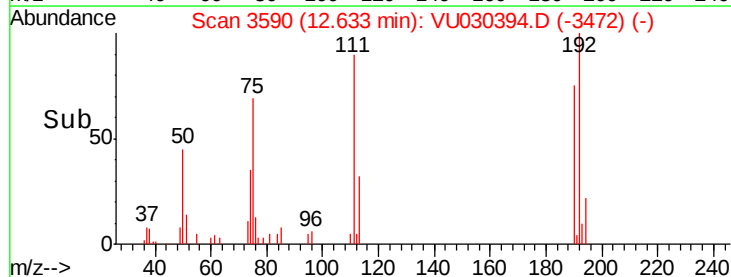
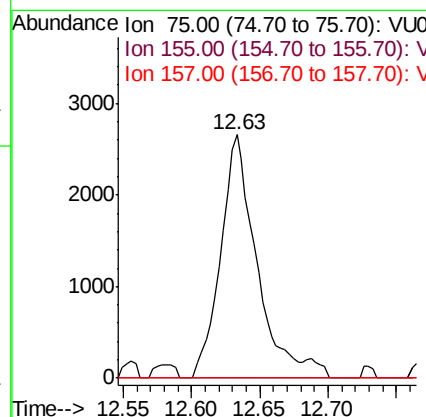
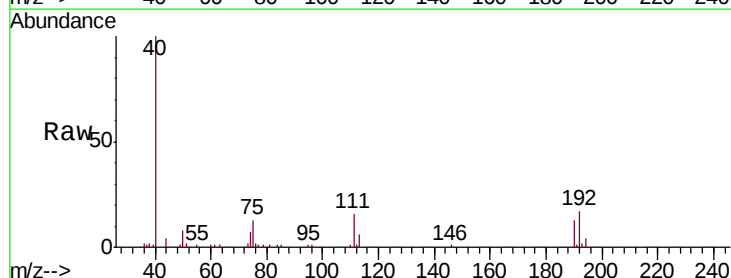
Instrument :
 MSVOA_U
 ClientSampleID :
 C09D1

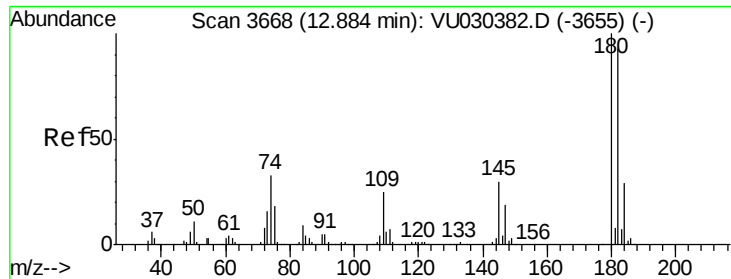
Tgt Ion:146 Resp: 5369949
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.9 52.3
 148 63.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.456 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030394.D
 Acq: 25 Mar 2019 03:14

Tgt Ion: 75 Resp: 4942
 Ion Ratio Lower Upper
 75 100
 155 0.0 61.8 92.6#
 157 0.0 80.2 120.4#

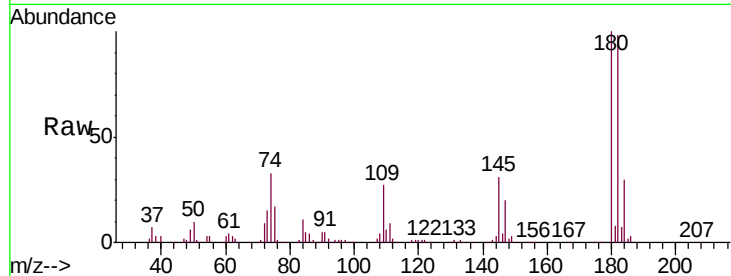




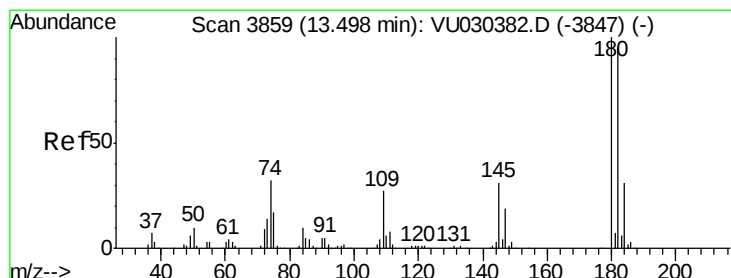
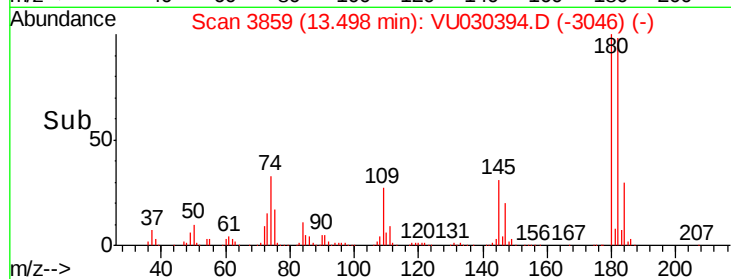
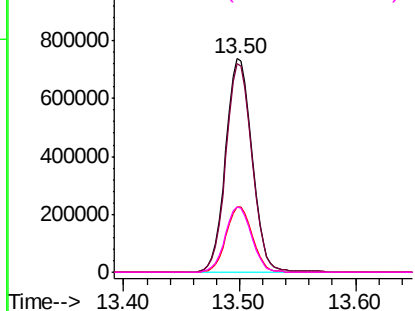
#67
 1,3,5-Trichlorobenzene
 Concen: 245.148 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.61 min
 Lab File: VU030394.D
 Acq: 25 Mar 2019 03:14

Instrument :
 MSVOA_U
 ClientSampled :
 C09D1

Tgt Ion:180 Resp: 1165475
 Ion Ratio Lower Upper
 180 100
 182 96.6 75.9 113.9
 184 30.6 24.1 36.1
 145 30.5 23.8 35.8

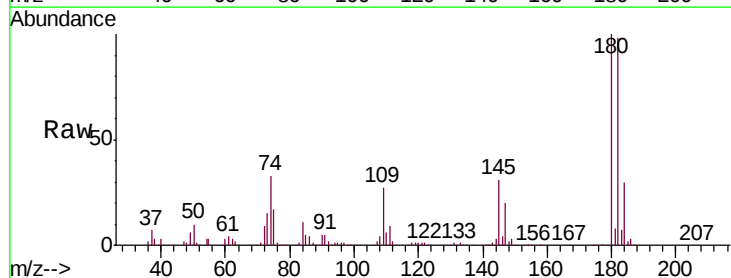


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

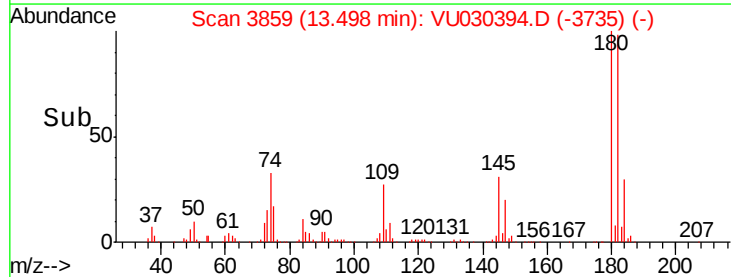
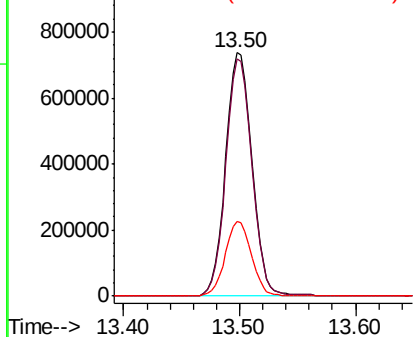


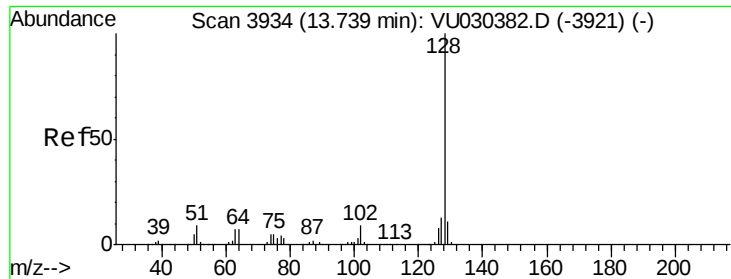
#68
 1,2,4-trichlorobenzene
 Concen: 282.144 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU030394.D
 Acq: 25 Mar 2019 03:14

Tgt Ion:180 Resp: 1165475
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.1 114.1
 145 30.5 24.5 36.7



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





#69

Naphthalene

Concen: 0.512 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

Instrument :

MSVOA_U

ClientSampleId :

C09D1

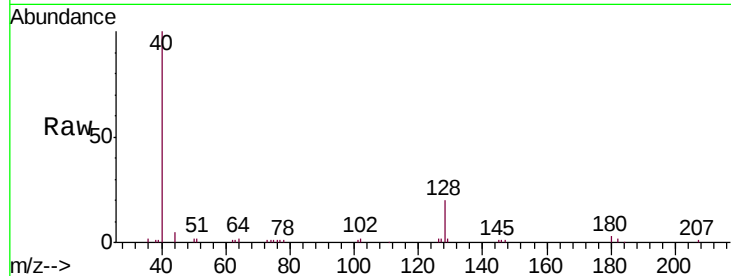
Tgt Ion:128 Resp: 7520

Ion Ratio Lower Upper

128 100

127 8.1 10.4 15.6#

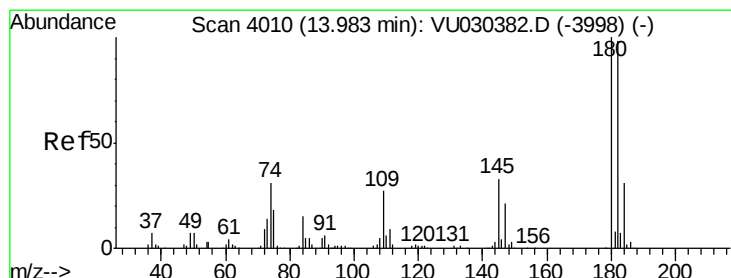
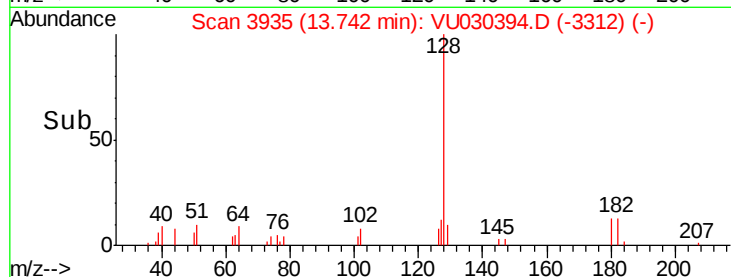
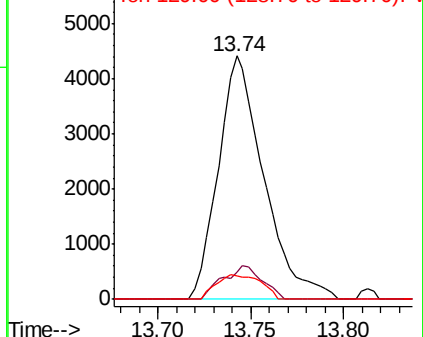
129 7.0 8.4 12.6#



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: 61.165 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030394.D

Acq: 25 Mar 2019 03:14

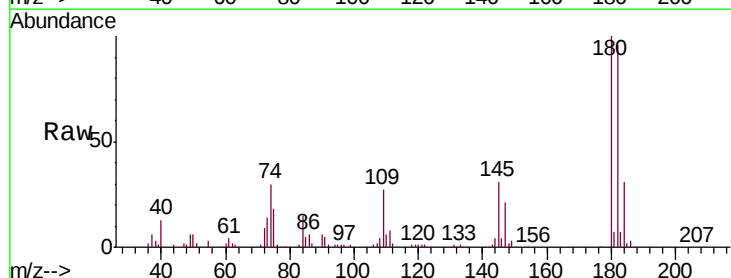
Tgt Ion:180 Resp: 266798

Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.2

145 32.1 25.9 38.9



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

