

Data File : VU030380.D
Acq On : 24 Mar 2019 18:59
Operator : JC/SP
Sample : K2016-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09E5

Quant Time: Mar 25 03:27:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	420498	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	383571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	156573	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	126789	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.94%
7) Chloroethane-d5	1.68	69	111125	41.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.86%
11) 1,1-Dichloroethene-d2	2.27	63	202026	31.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.94%
21) 2-Butanone-d5	4.17	46	290489	91.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.31%
24) Chloroform-d	4.64	84	258455	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
26) 1,2-Dichloroethane-d4	5.31	65	173502	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
32) Benzene-d6	5.34	84	547473	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.33	67	192968	51.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.54%
41) Toluene-d8	7.56	98	471528	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%
43) trans-1,3-Dichloropropene-	7.85	79	75530	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
47) 2-Hexanone-d5	8.31	63	195805	96.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	253896	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	158415	50.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

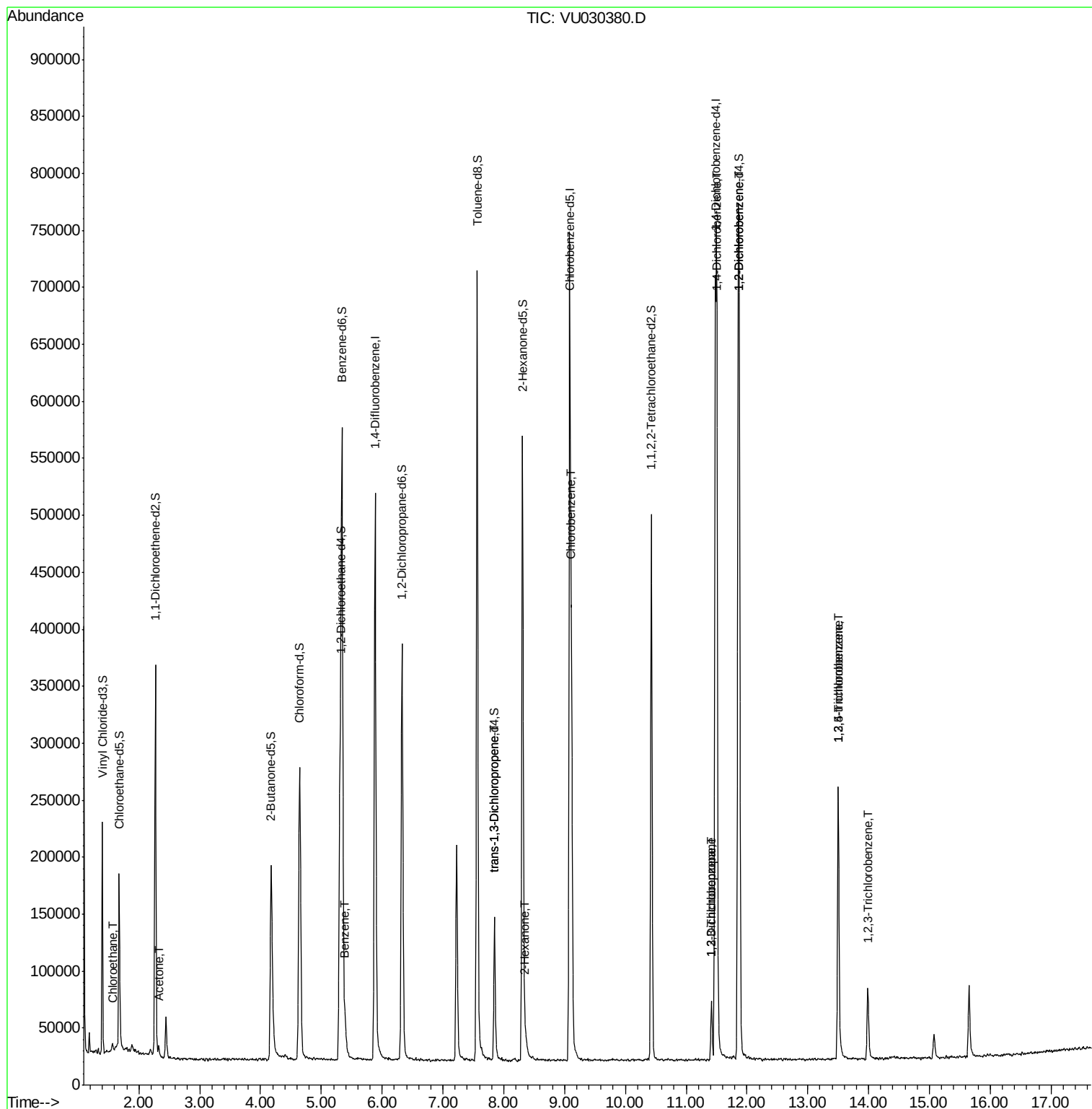
					Qvalue
8) Chloroethane	1.59	64	1238	0.446 ug/L #	57
13) Acetone	2.32	43	5139	1.597 ug/L	94
33) Benzene	5.39	78	32781	2.511 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	2894	0.618 ug/L	84
48) 2-Hexanone	8.36	43	6178	1.211 ug/L #	40
51) Chlorobenzene	9.12	112	192483	23.437 ug/L	99
59) 1,2,3-Trichloropropane	11.41	75	6641	1.472 ug/L #	45
62) 1,3-Dichlorobenzene	11.42	146	21815	4.260 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	264139	50.109 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	206735	39.930 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	81011	21.134 ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	81011	24.323 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	23720	6.744 ug/L	97

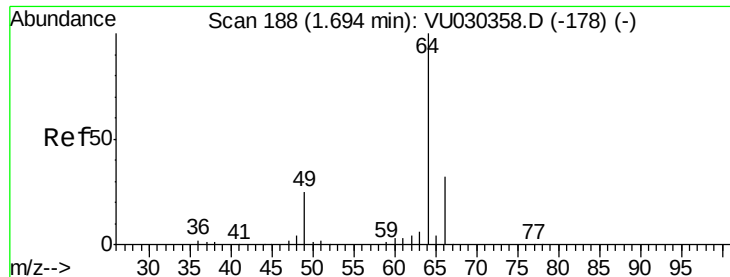
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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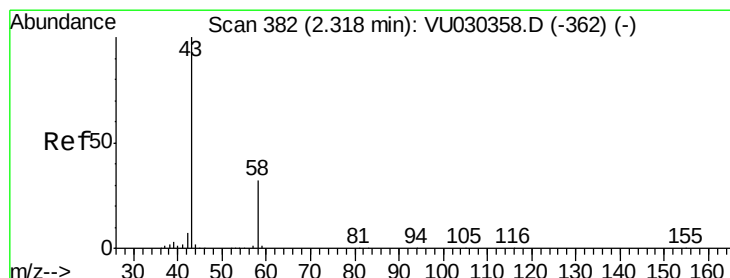
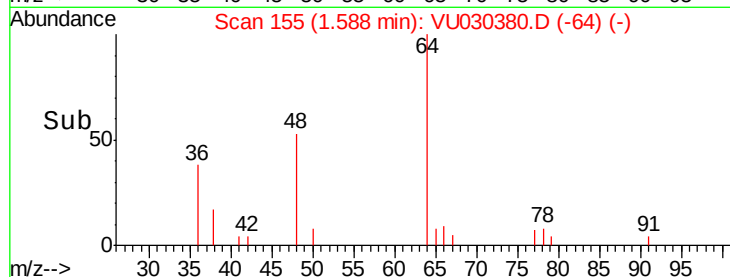
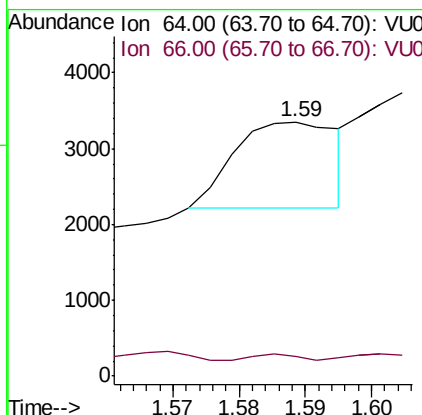
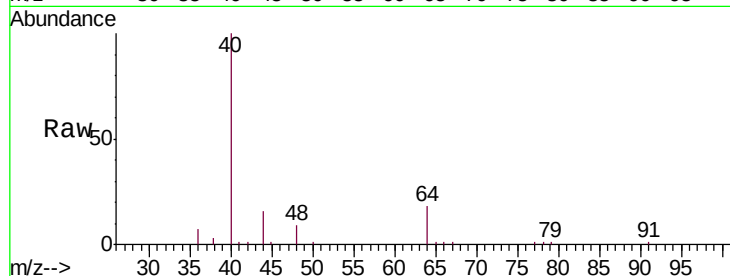




#8
Chloroethane
Concen: 0.446 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.11 min
Lab File: VU030380.D
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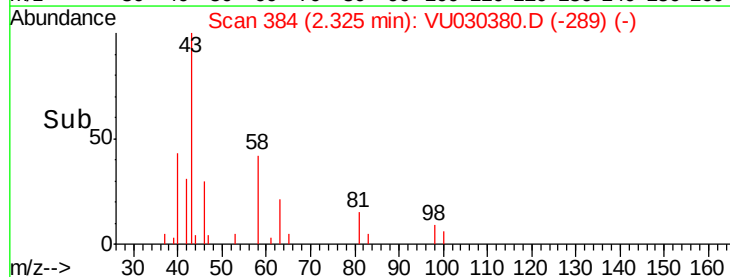
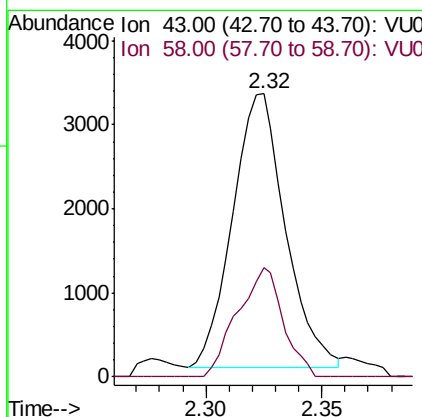
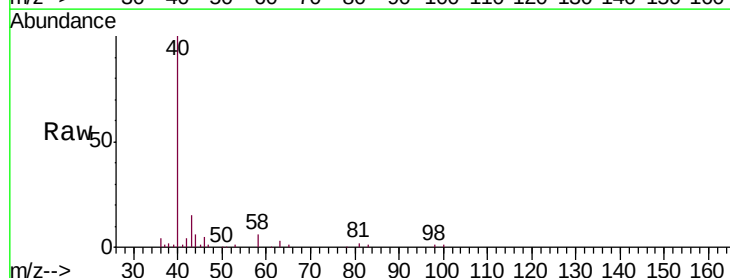
Instrument :
MSVOA_U
ClientSampled :
C09E5

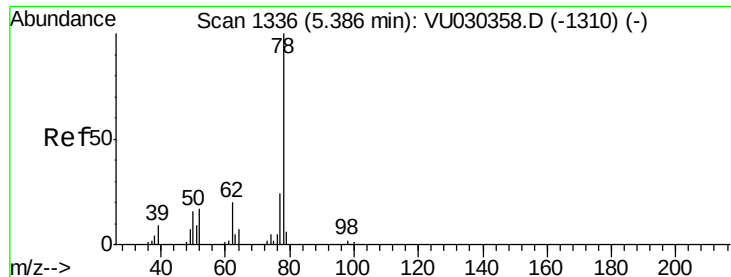
Tgt Ion: 64 Resp: 1238
Ion Ratio Lower Upper
64 100
66 7.9 22.5 41.7#



#13
Acetone
Concen: 1.597 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VU030380.D
Acq: 24 Mar 2019 18:59

Tgt Ion: 43 Resp: 5139
Ion Ratio Lower Upper
43 100
58 34.6 0.0 62.8





#33

Benzene

Concen: 2.511 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030380.D

Acq: 24 Mar 2019 18:59

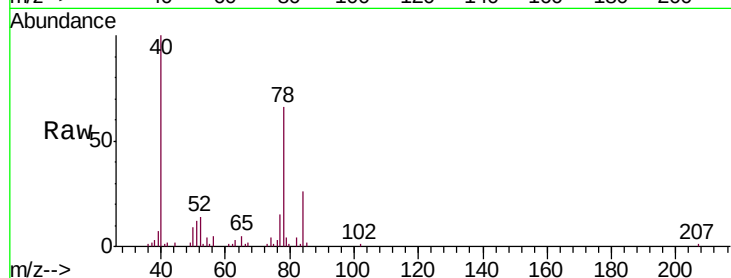
Instrument :

MSVOA_U

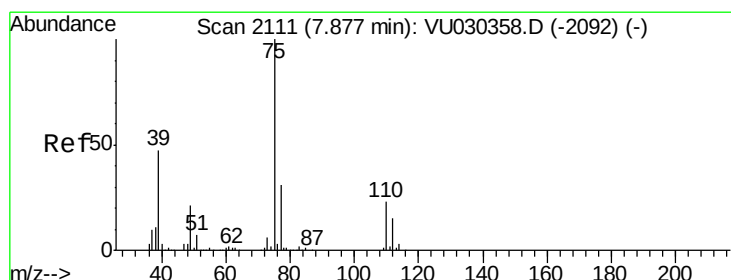
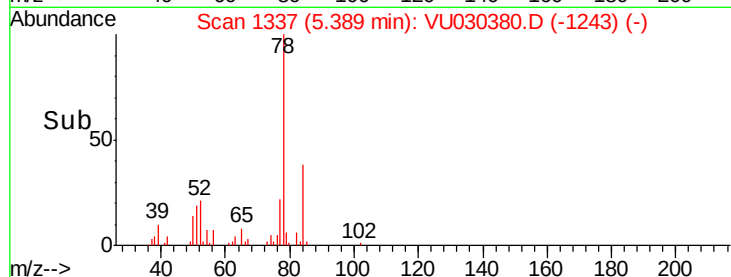
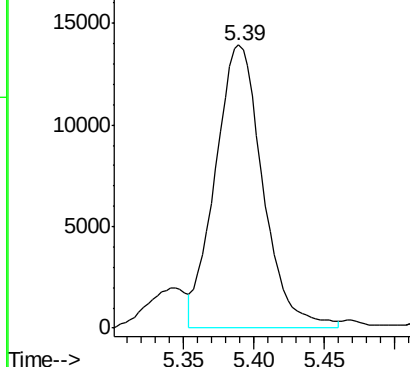
ClientSampleId :

C09E5

Tgt Ion: 78 Resp: 32781



Abundance Ion 78.00 (77.70 to 78.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.618 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030380.D

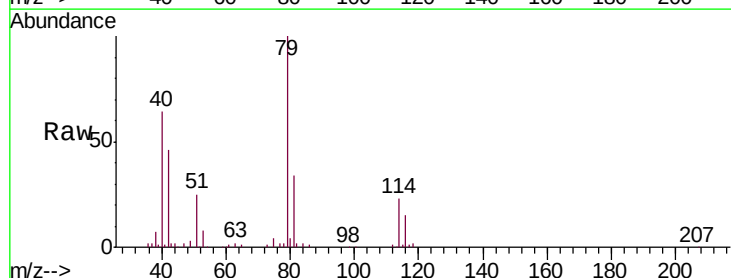
Acq: 24 Mar 2019 18:59

Tgt Ion: 75 Resp: 2894

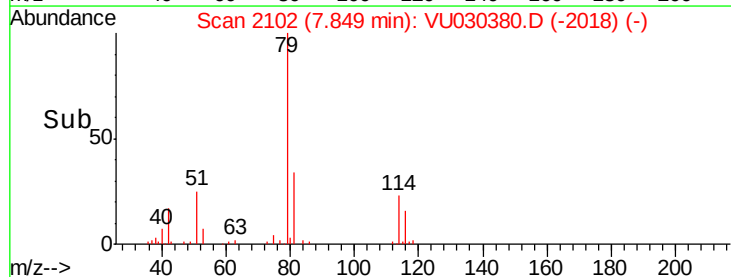
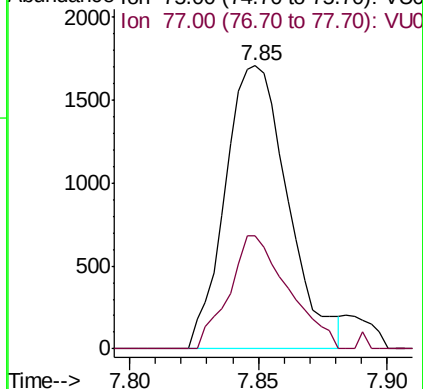
Ion Ratio Lower Upper

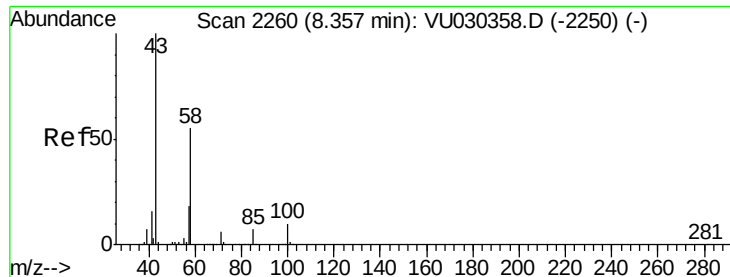
75 100

77 40.2 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

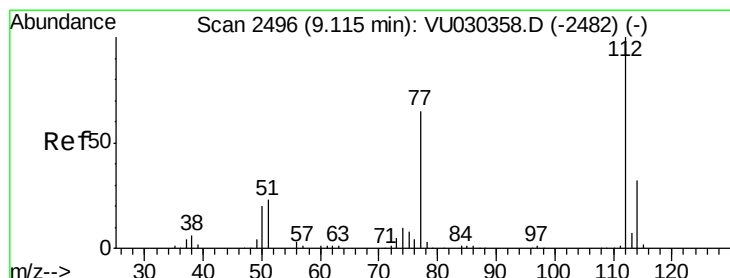
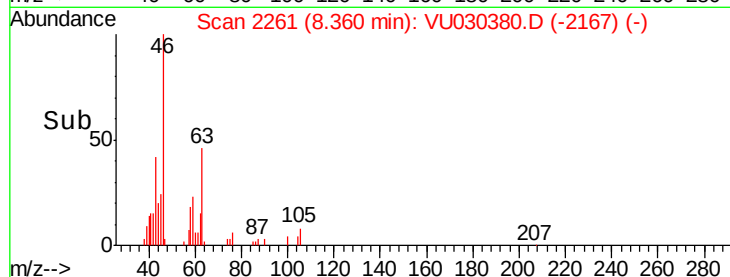
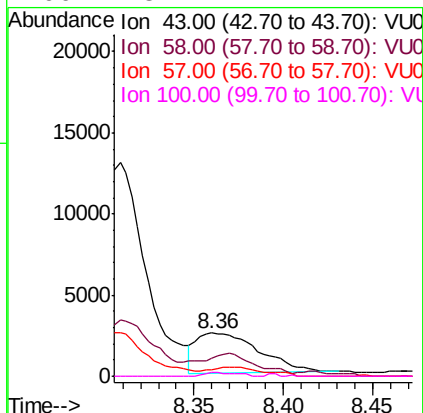
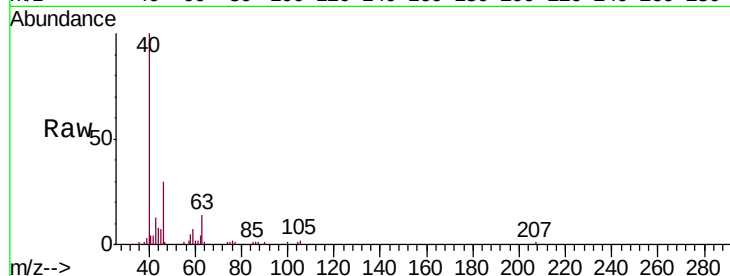




#48
2-Hexanone
Concen: 1.211 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU030380.D
Acq: 24 Mar 2019 18:59

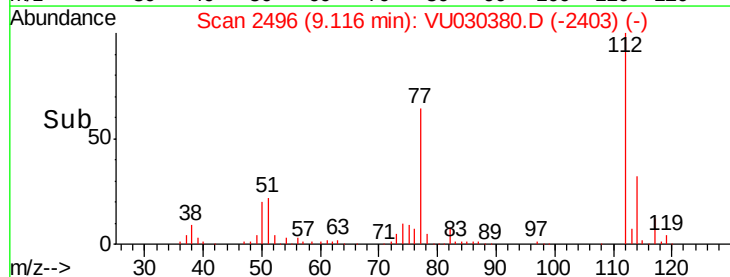
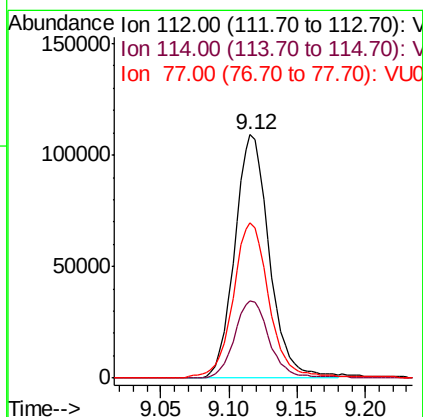
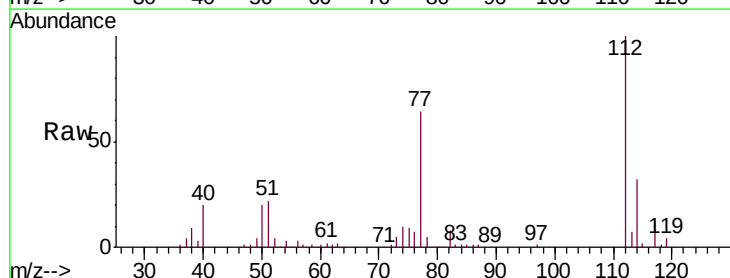
Instrument :
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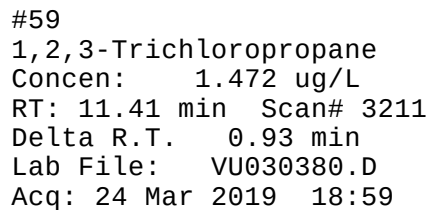
Tgt Ion:	43	Resp:	6178
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.5	63.7#
57	0.0	15.0	22.6#
100	3.4	7.4	11.2#



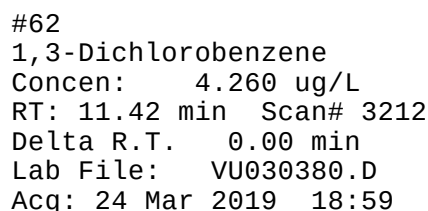
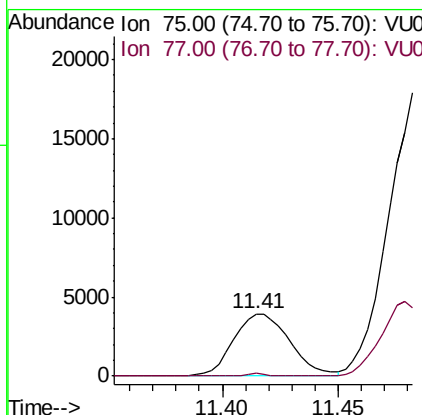
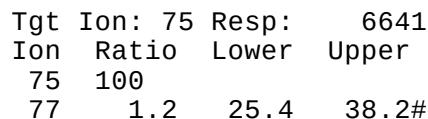
#51
Chlorobenzene
Concen: 23.437 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030380.D
Acq: 24 Mar 2019 18:59

Tgt Ion:	112	Resp:	192483
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.5	39.9
77	63.7	51.4	77.0

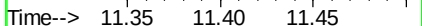
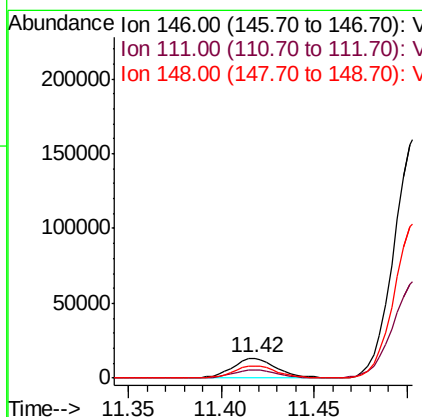


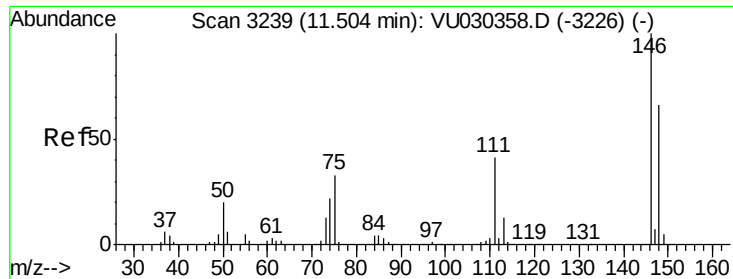


Instrument :
MSVOA_U
ClientSampleId :
C09E5



Tgt	Ion:146	Resp:	21815
Ion	Ratio	Lower	Upper
146	100		
111	39.9	29.2	54.2
148	63.0	44.4	82.4

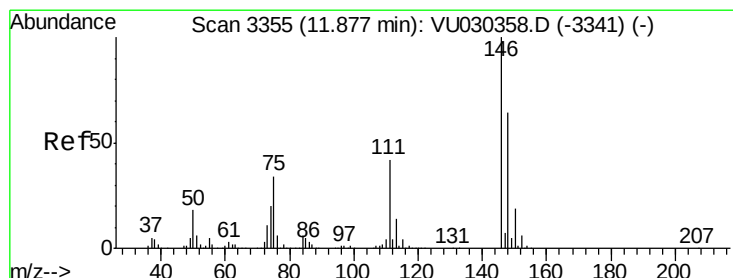
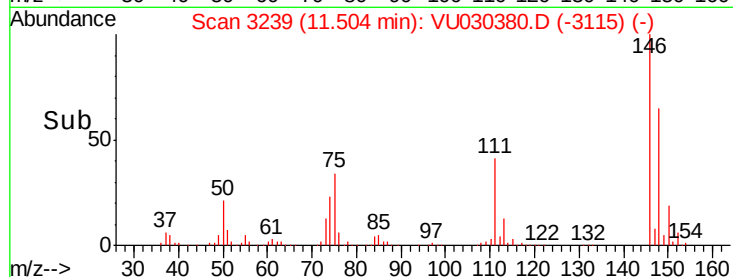
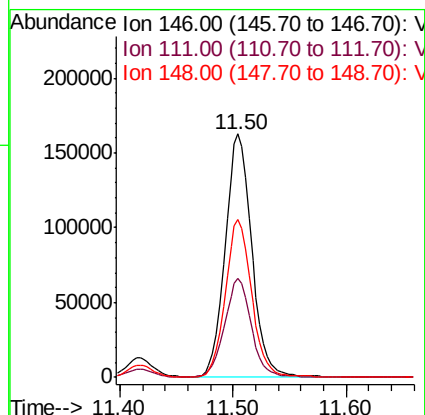
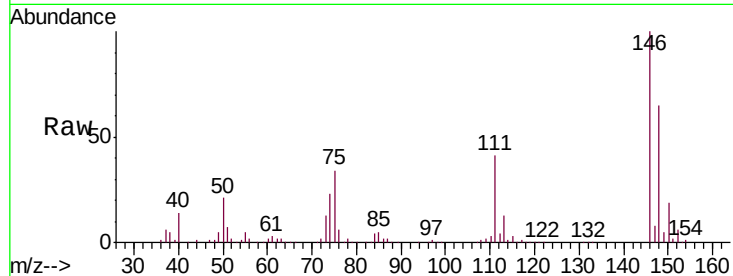




#63
 1,4-Dichlorobenzene
 Concen: 50.109 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

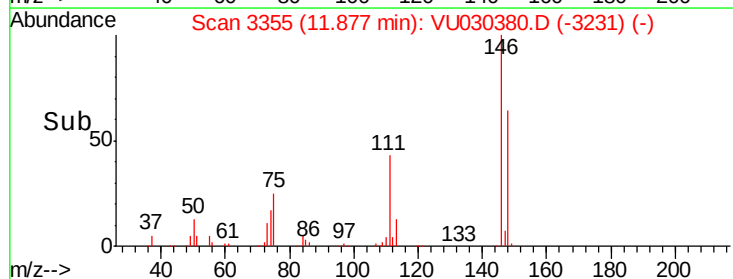
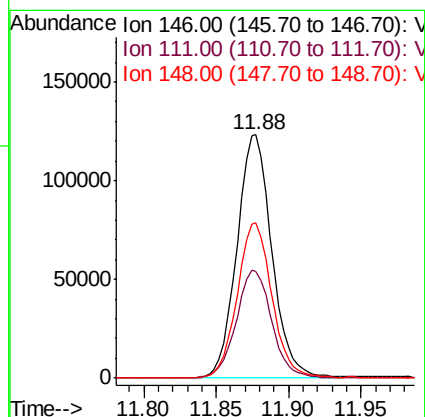
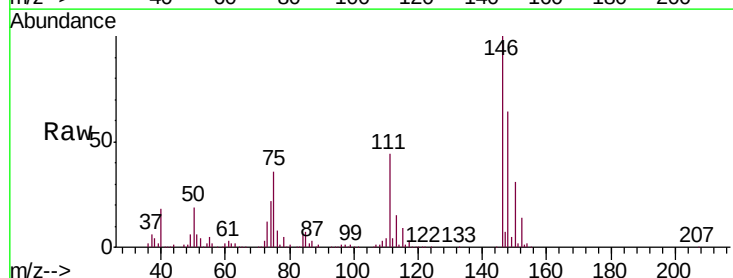
Instrument :
 MSVOA_U
 ClientSampled :
 C09E5

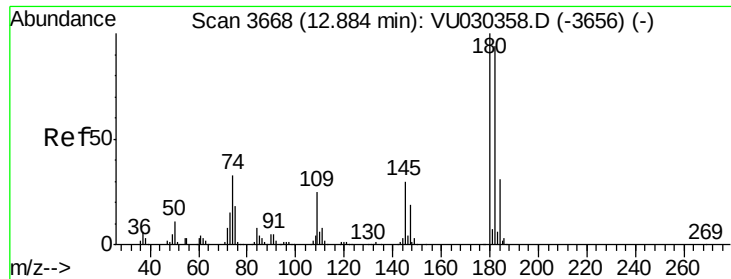
Tgt Ion:146 Resp: 264139
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.7 53.3
 148 64.7 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 39.930 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Tgt Ion:146 Resp: 206735
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.9 52.3
 148 63.7 51.2 76.8

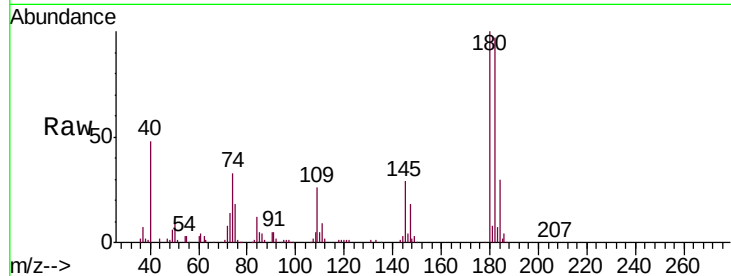




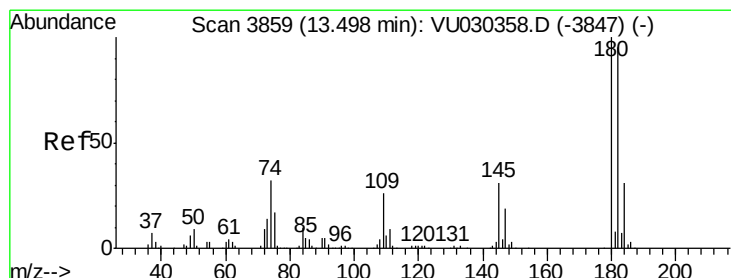
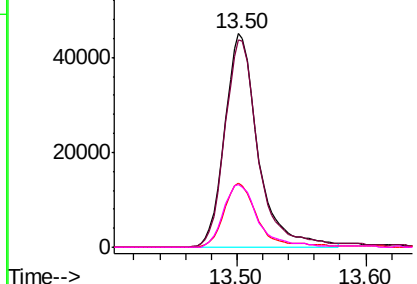
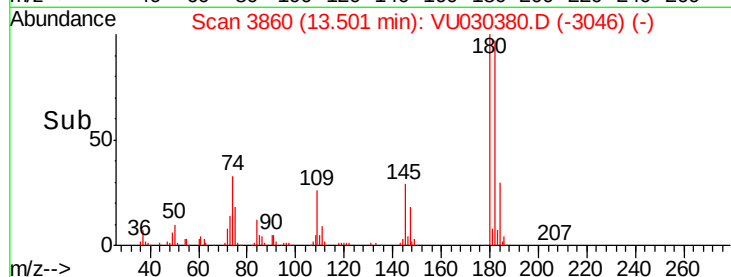
#67
 1,3,5-Trichlorobenzene
 Concen: 21.134 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E5

Tgt Ion:180 Resp: 81011
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.9 113.9
 184 30.7 24.1 36.1
 145 30.5 23.8 35.8

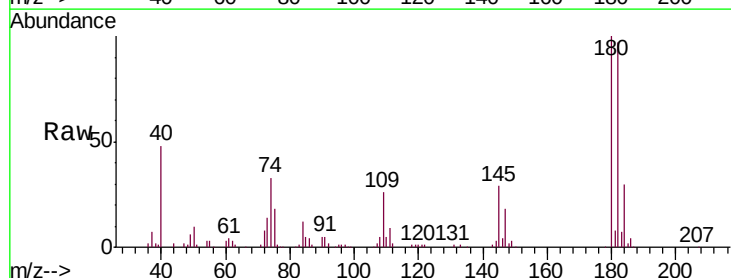


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

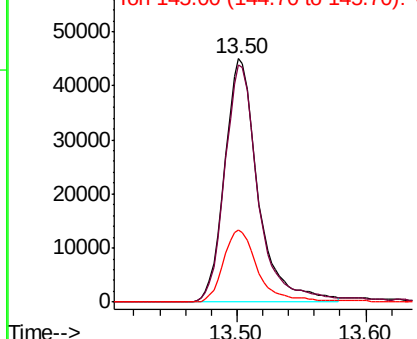
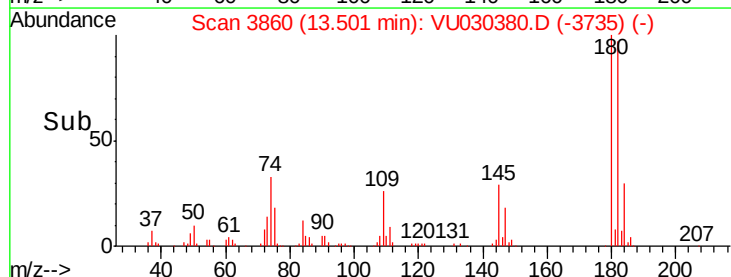


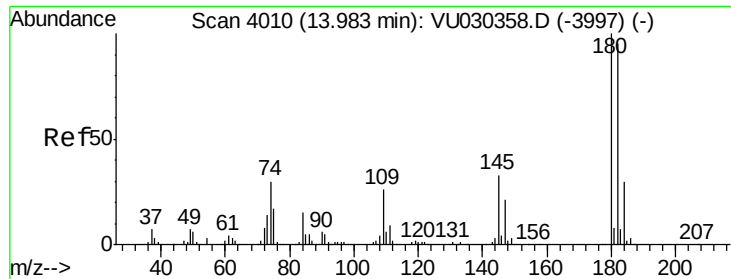
#68
 1,2,4-trichlorobenzene
 Concen: 24.323 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Tgt Ion:180 Resp: 81011
 Ion Ratio Lower Upper
 180 100
 182 97.0 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





#70
 1,2,3-Trichlorobenzene
 Concen: 6.744 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030380.D
 Acq: 24 Mar 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C09E5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.4	116.2
145	33.7	25.9	38.9

