

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030379.D
 Acq On : 24 Mar 2019 18:35
 Operator : JC/SP
 Sample : K2016-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D5

Quant Time: Mar 25 05:40:47 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	430783	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	406932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	200342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133637	38.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.10%
7) Chloroethane-d5	1.68	69	113781	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.82%
11) 1,1-Dichloroethene-d2	2.27	63	197667	30.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.12%
21) 2-Butanone-d5	4.17	46	290839	89.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.24%
24) Chloroform-d	4.64	84	266565	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.31	65	182552	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.34	84	559104	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
36) 1,2-Dichloropropane-d6	6.33	67	197336	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.84%
41) Toluene-d8	7.56	98	499955	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	80219	42.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.46%
47) 2-Hexanone-d5	8.31	63	200493	92.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	258268	45.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	185088	46.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.22%

Target Compounds

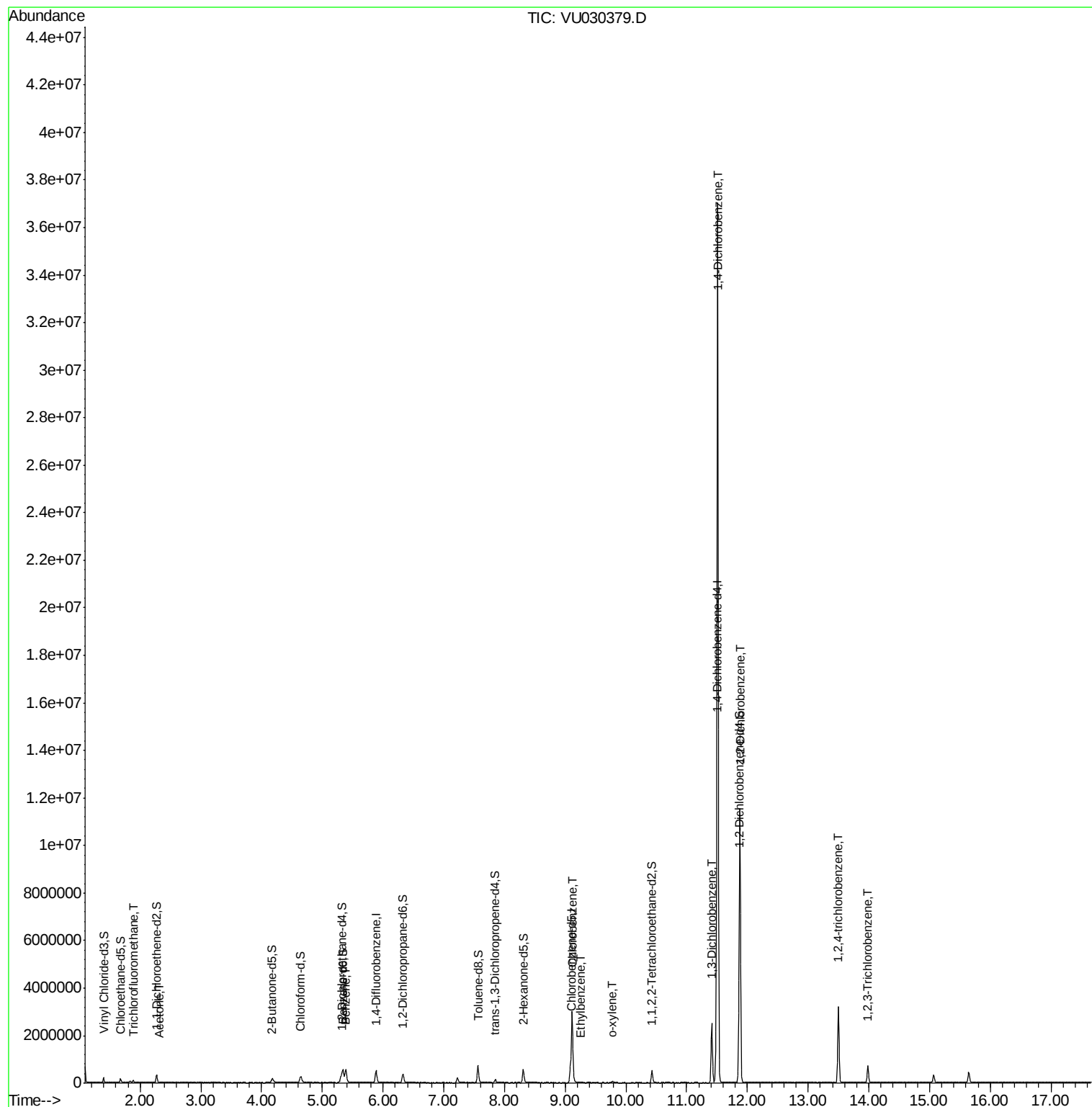
					Ovalue
9) Trichlorofluoromethane	1.88	101	48842	8.885 ug/L	99
13) Acetone	2.32	43	9471	2.874 ug/L	98
33) Benzene	5.39	78	550972	39.775 ug/L	100
51) Chlorobenzene	9.12	112	1564316	179.538 ug/L	99
52) Ethylbenzene	9.25	91	12869	0.826 ug/L	99
54) o-xylene	9.78	106	12642	2.304 ug/L	93
62) 1,3-Dichlorobenzene	11.41	146	971370	148.262 ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	13931967	2065.577 ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	4349184	656.497 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	959899	225.241 ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	213569	47.459 ug/L	99

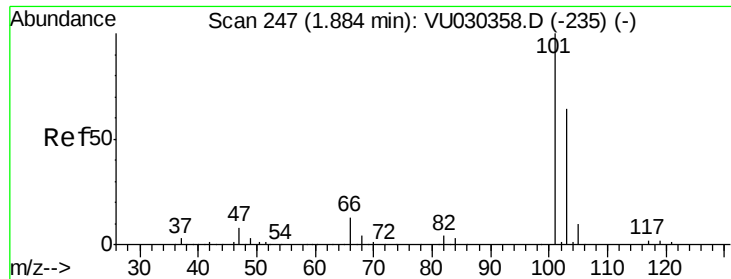
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032419\
Data File : VU030379.D
Acq On : 24 Mar 2019 18:35
Operator : JC/SP
Sample : K2016-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D5

Quant Time: Mar 25 05:40:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 03:20:51 2019
Response via : Initial Calibration



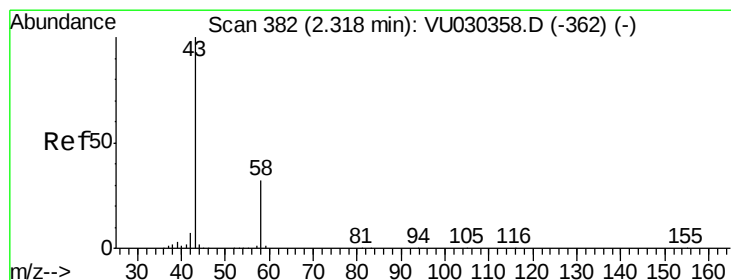
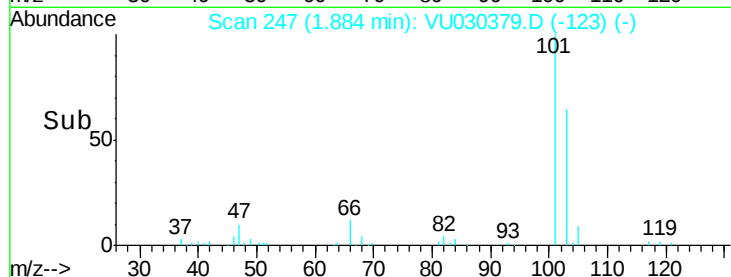
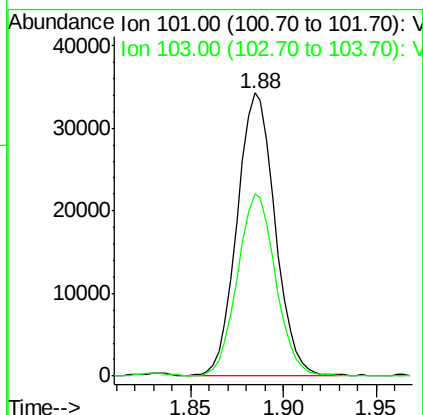
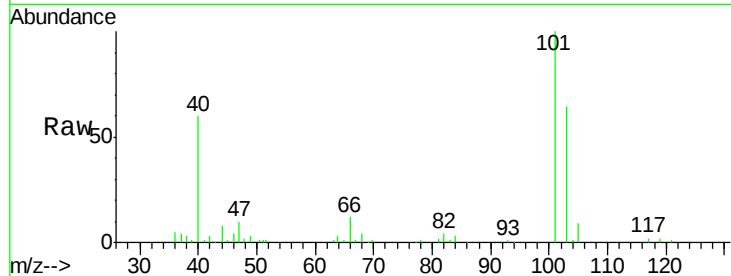


#9

Trichlorofluoromethane
 Concen: 8.885 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D5

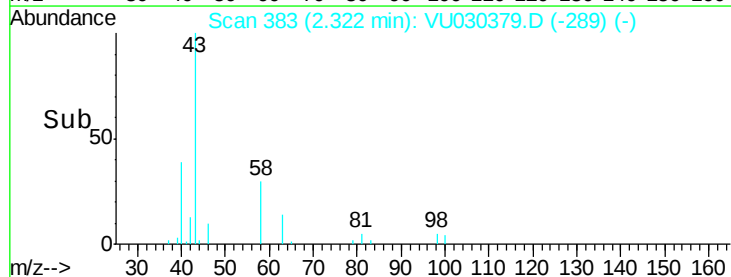
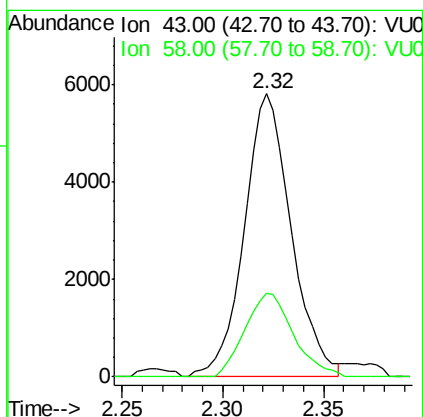
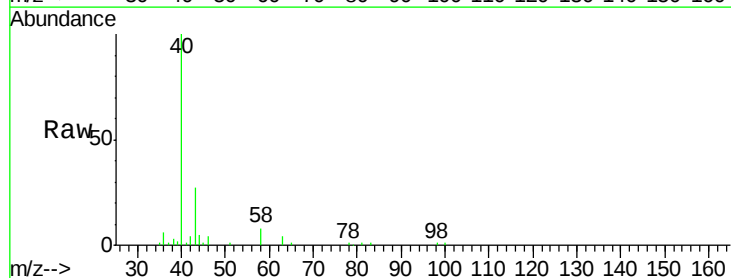
Tot Ion:101 Resp: 48842
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.1 76.7

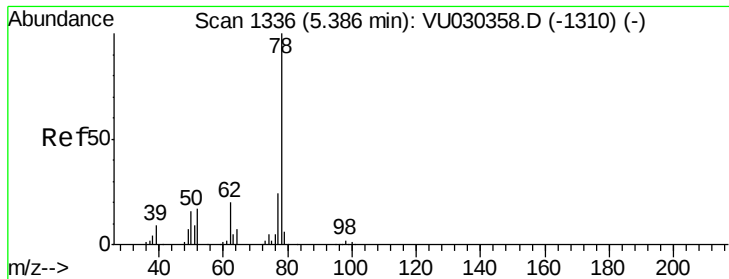


#13

Acetone
 Concen: 2.874 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Tgt Ion: 43 Resp: 9471
 Ion Ratio Lower Upper
 43 100
 58 30.5 0.0 62.8





#33

Benzene

Concen: 39.775 ug/L

RT: 5.39 min Scan# 1336

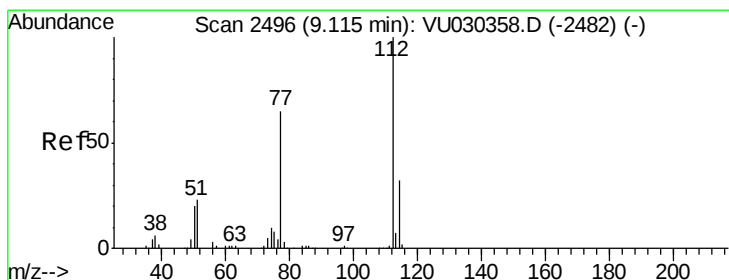
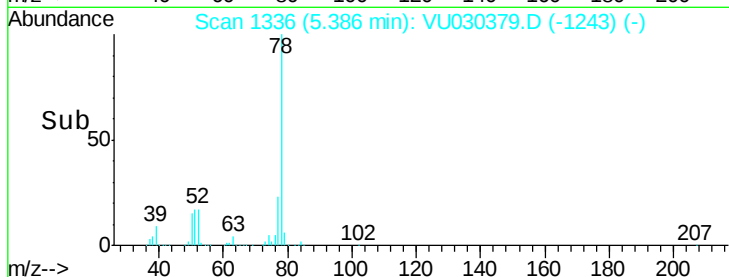
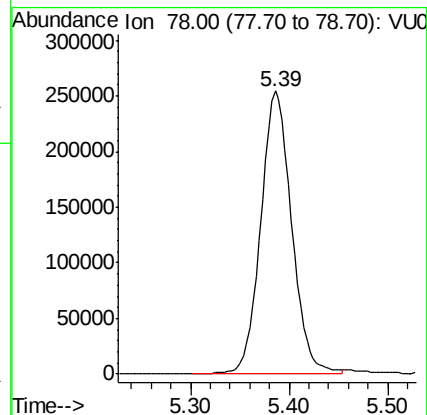
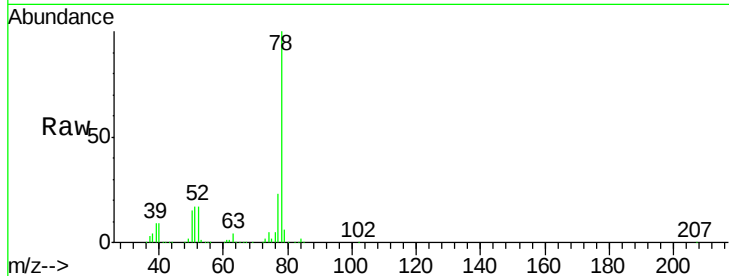
Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :
MSVOA_U
ClientSampleId :
C09D5

Tgt Ion: 78 Resp: 550972



#51

Chlorobenzene

Concen: 179.538 ug/L

RT: 9.12 min Scan# 2496

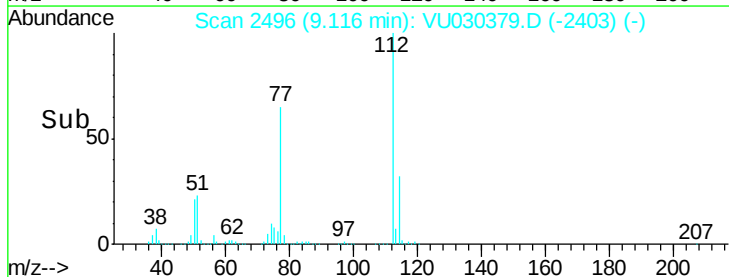
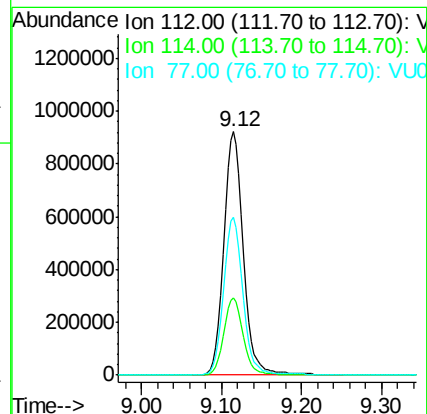
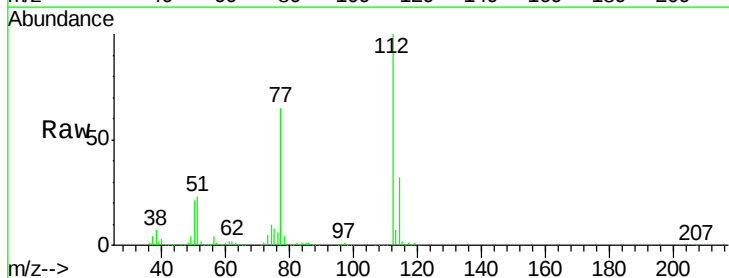
Delta R.T. 0.00 min

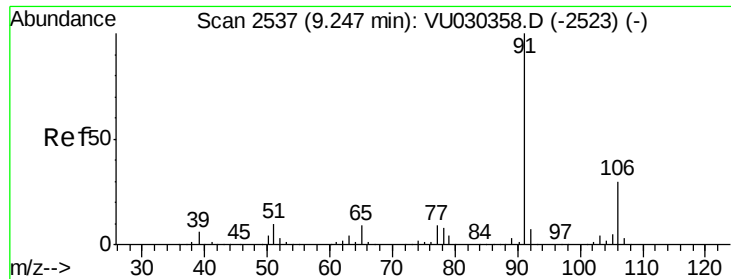
Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Tgt Ion: 112 Resp: 1564316

Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.5	39.9
77	64.7	51.4	77.0





#52

Ethylbenzene

Concen: 0.826 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleID :

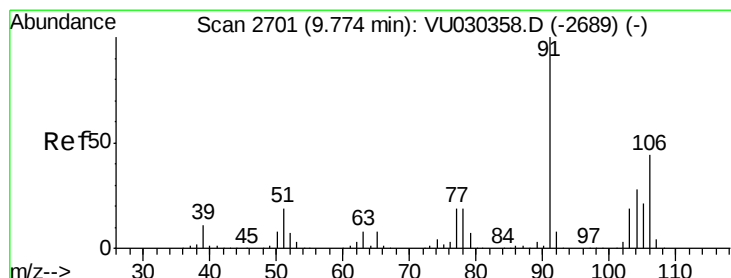
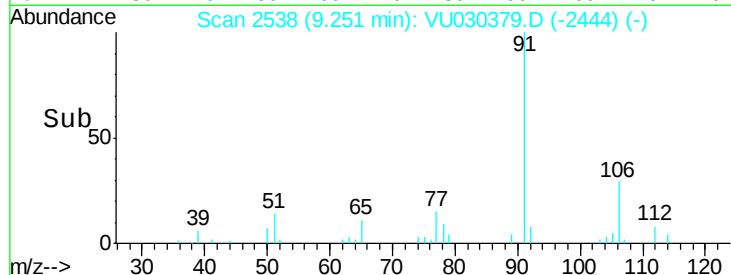
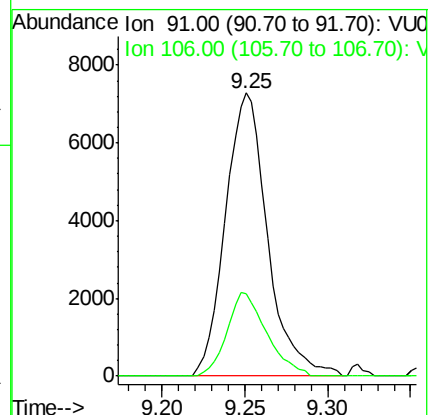
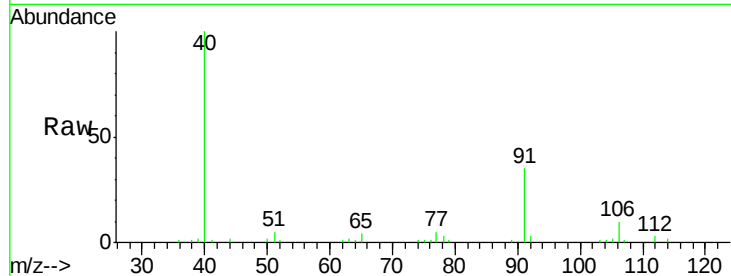
C09D5

Tot Ion: 91 Resp: 12869

Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.2



#54

o-xylene

Concen: 2.304 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030379.D

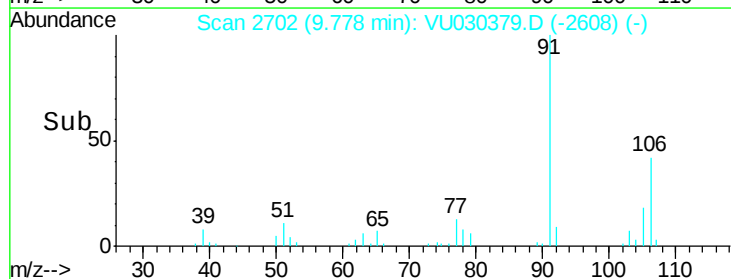
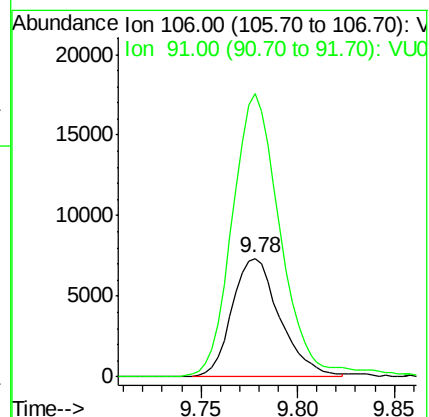
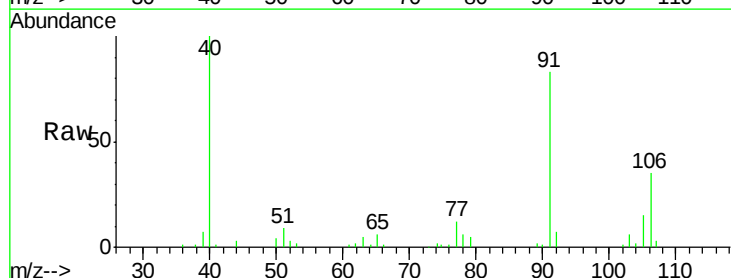
Acq: 24 Mar 2019 18:35

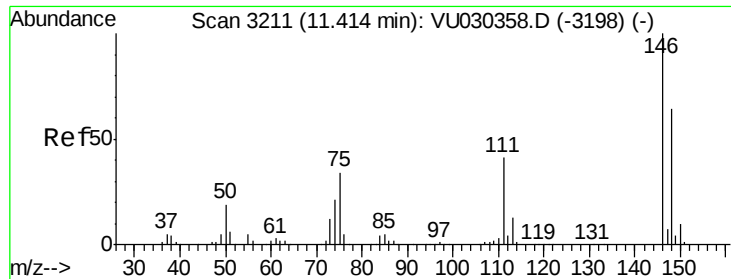
Tgt Ion: 106 Resp: 12642

Ion Ratio Lower Upper

106 100

91 238.8 159.6 296.4





#62

1,3-Dichlorobenzene

Concen: 148.262 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampled :

C09D5

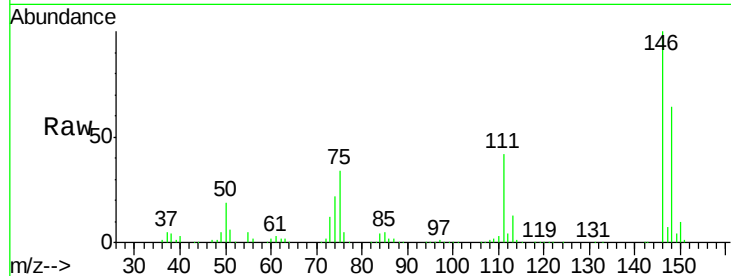
Tot Ion:146 Resp: 971370

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

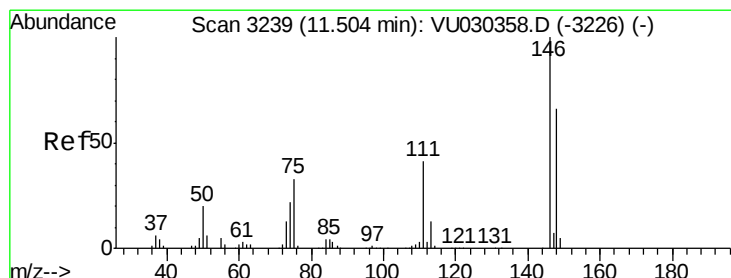
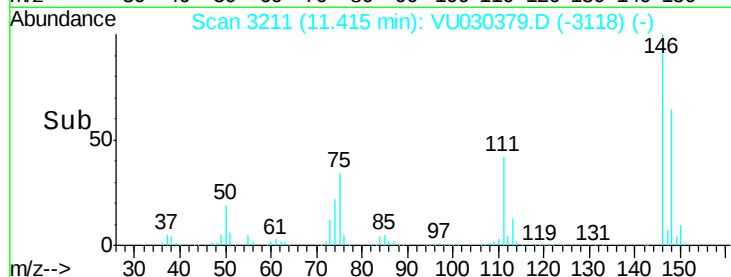
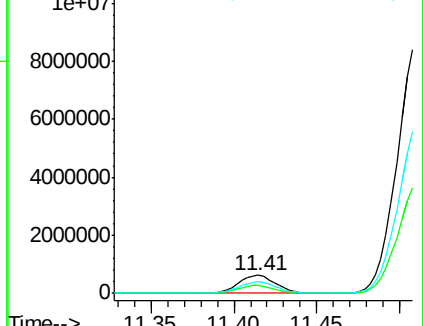
148 64.4 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2065.577 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

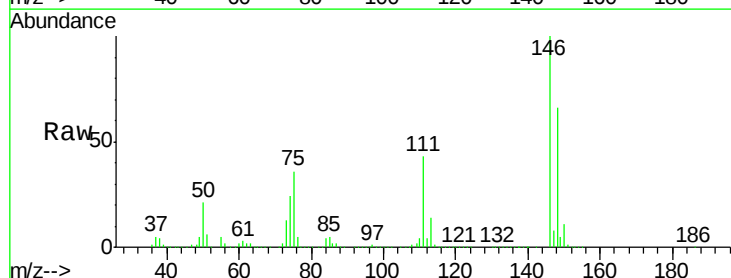
Tgt Ion:146 Resp:13931967

Ion Ratio Lower Upper

146 100

111 43.1 28.7 53.3

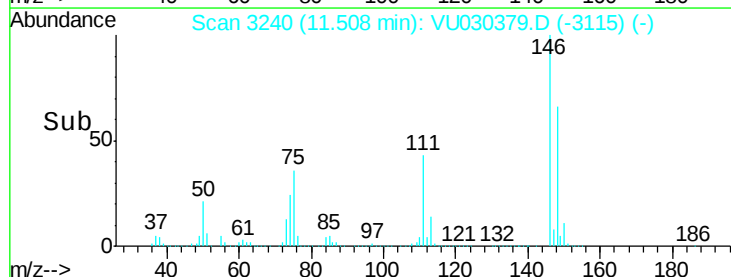
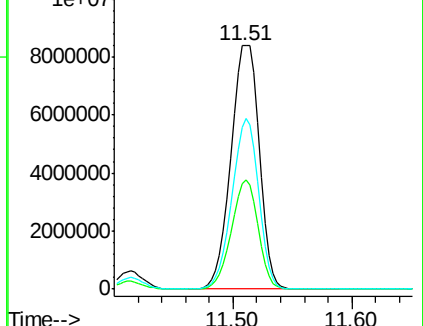
148 66.2 44.3 82.3

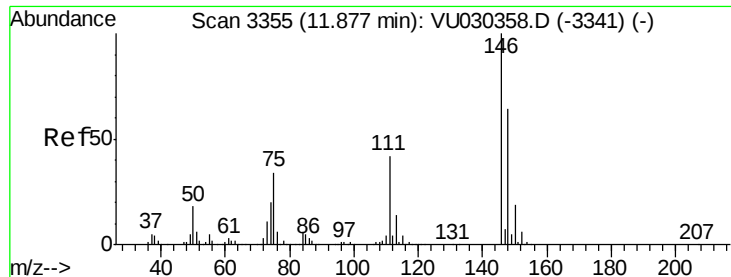


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 656.497 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

C09D5

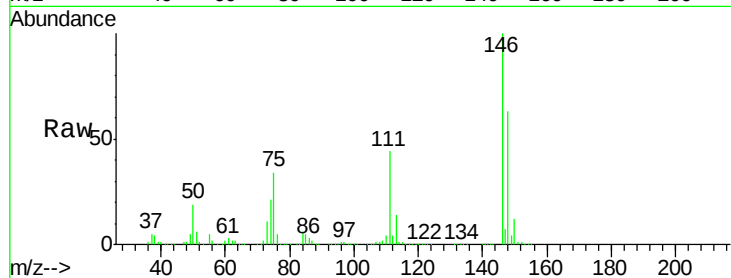
Tot Ion:146 Resp: 4349184

Ion Ratio Lower Upper

146 100

111 43.5 34.9 52.3

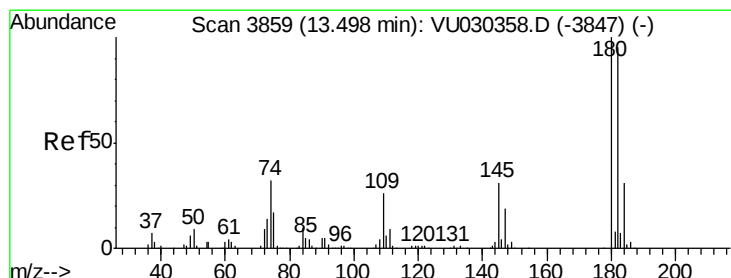
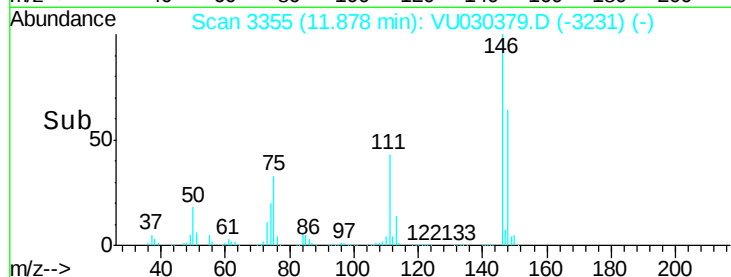
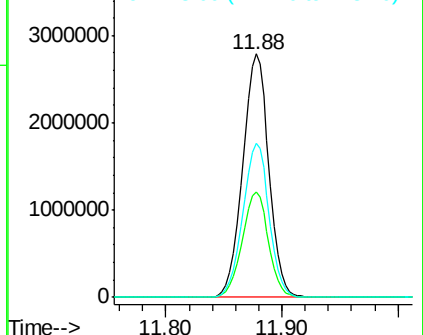
148 63.4 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 225.241 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU030379.D

Acq: 24 Mar 2019 18:35

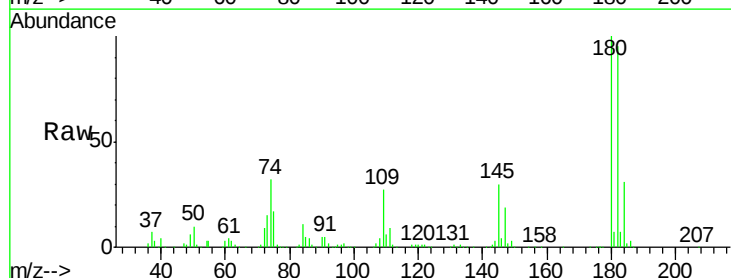
Tgt Ion:180 Resp: 959899

Ion Ratio Lower Upper

180 100

182 95.2 76.1 114.1

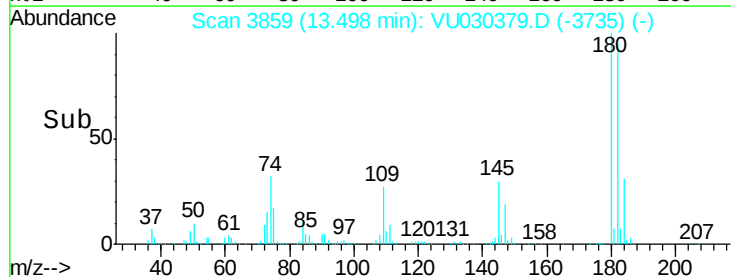
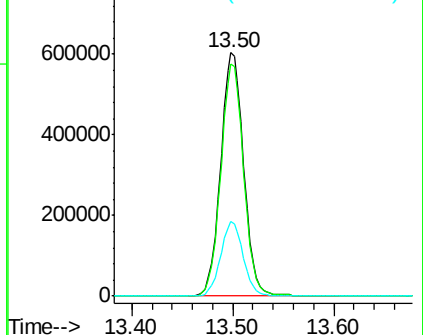
145 30.2 24.5 36.7

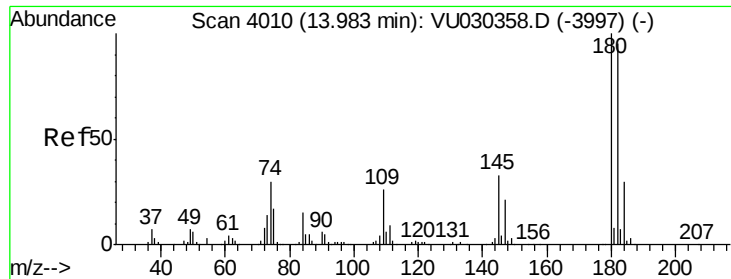


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

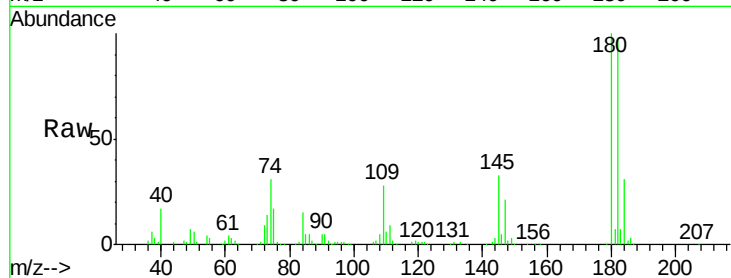




#70
 1,2,3-Trichlorobenzene
 Concen: 47.459 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030379.D
 Acq: 24 Mar 2019 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D5

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.4	116.2
145	32.5	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

