

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
 Data File : VU026112.D
 Acq On : 14 Aug 2018 19:56
 Operator : MD/SY
 Sample : J4402-14MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ2MS

Quant Time: Aug 14 21:04:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 02:18:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	257164	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	240476	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	103075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67627	35.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.96%
7) Chloroethane-d5	1.67	69	62077	41.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.30%
11) 1,1-Dichloroethene-d2	2.27	63	144337	40.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.82%
21) 2-Butanone-d5	4.18	46	141827	90.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.53%
24) Chloroform-d	4.65	84	179278	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.31	65	124805	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
32) Benzene-d6	5.35	84	332788	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.14%
36) 1,2-Dichloropropane-d6	6.33	67	114306	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.57	98	291057	40.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.48%
43) trans-1,3-Dichloropropene-	7.85	79	54142	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
47) 2-Hexanone-d5	8.31	63	96819	88.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	167023	47.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	122588	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

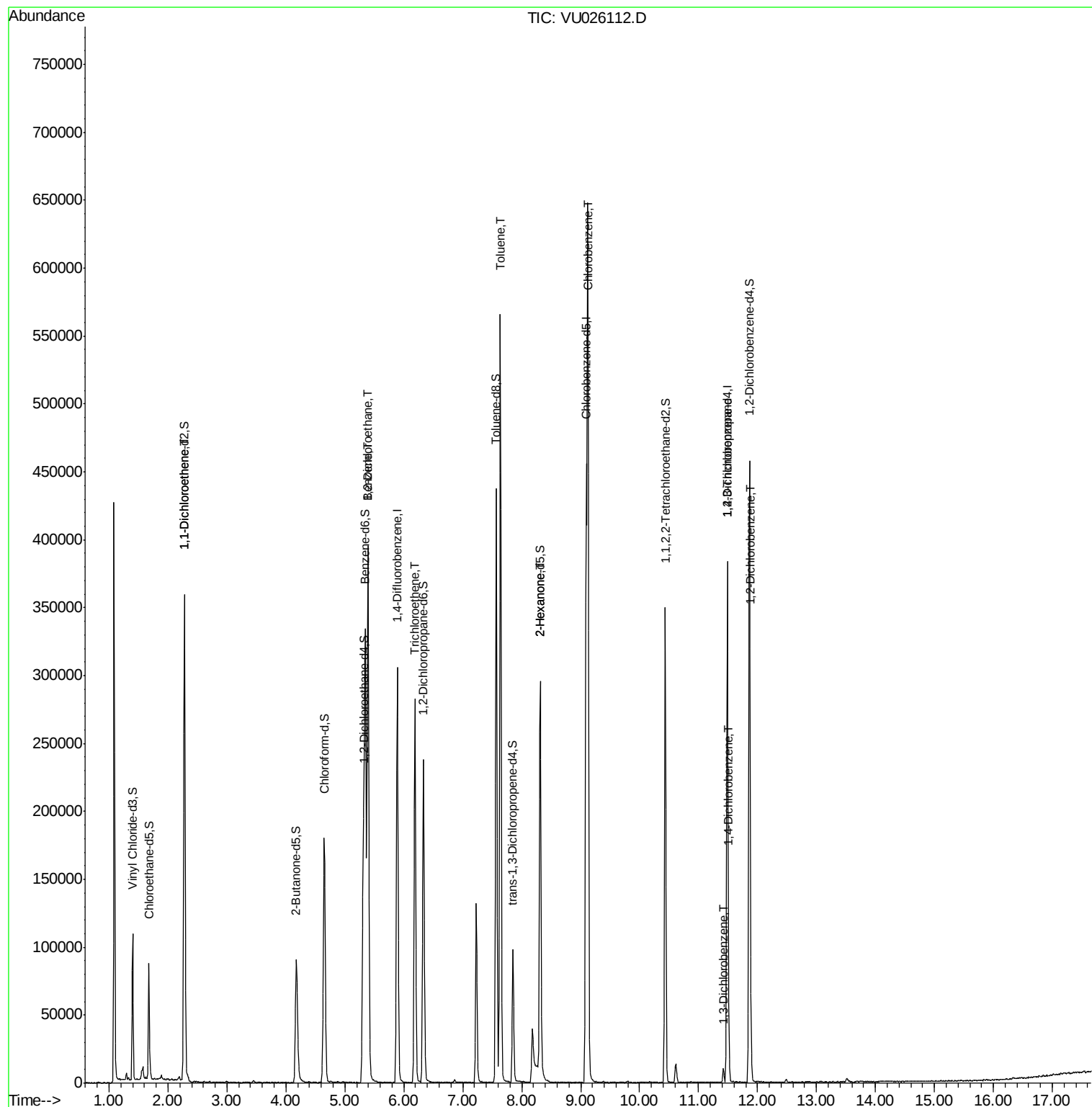
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	75775	51.037	ug/L	84
27) 1,2-Dichloroethane	5.39	62	4205	1.524	ug/L #	76
33) Benzene	5.39	78	386436	56.420	ug/L	100
34) Trichloroethene	6.19	95	95644	53.452	ug/L	97
42) Toluene	7.64	91	405577	55.787	ug/L	98
48) 2-Hexanone	8.31	43	11887	5.925	ug/L #	69
51) Chlorobenzene	9.12	112	335883	68.521	ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	15222	6.298	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	4168	1.299	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	14273	4.243	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	17517	5.128	ug/L	97

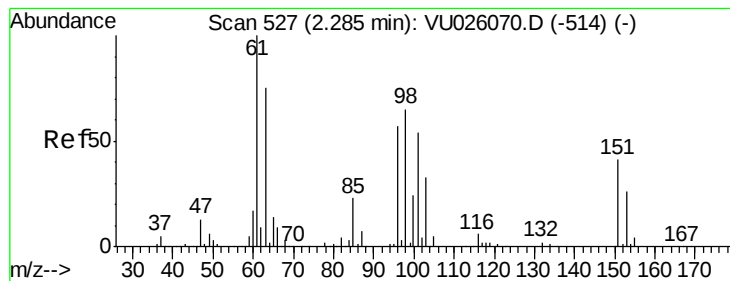
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 51.037 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ2MS

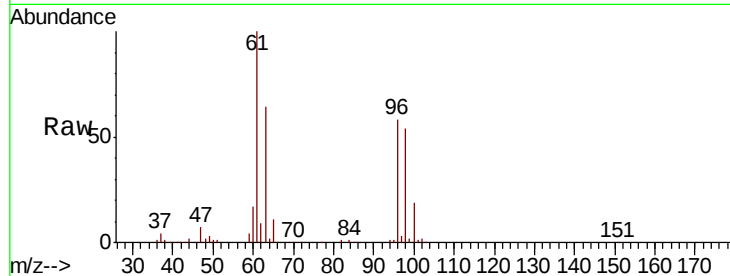
Tgt Ion: 96 Resp: 75775

Ion Ratio Lower Upper

96 100

61 172.6 121.2 225.2

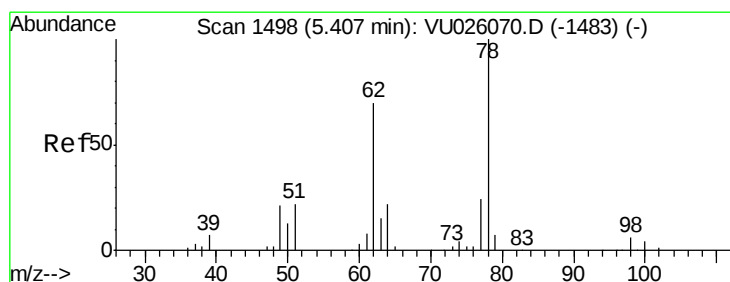
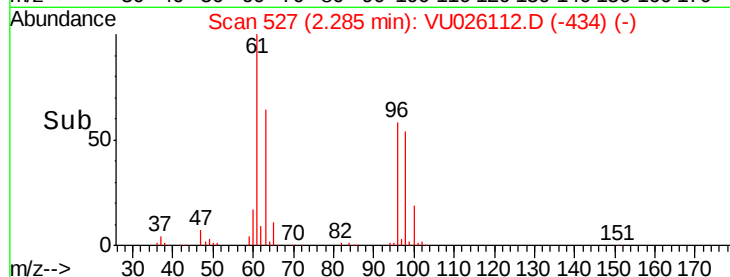
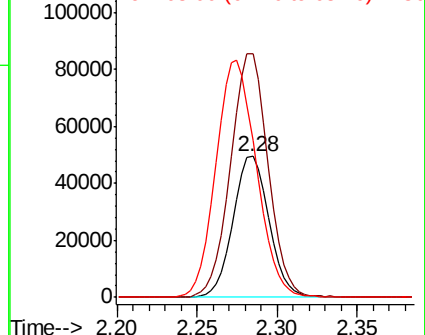
63 111.1 108.7 201.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#27

1,2-Dichloroethane

Concen: 1.524 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VU026112.D

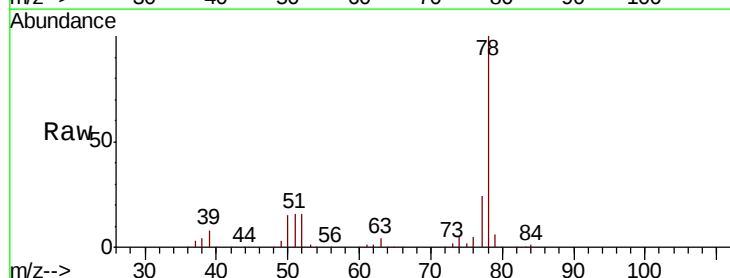
Acq: 14 Aug 2018 19:56

Tgt Ion: 62 Resp: 4205

Ion Ratio Lower Upper

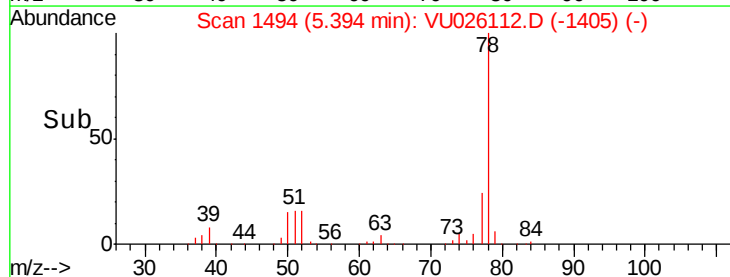
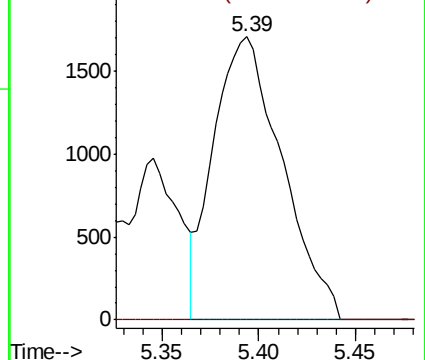
62 100

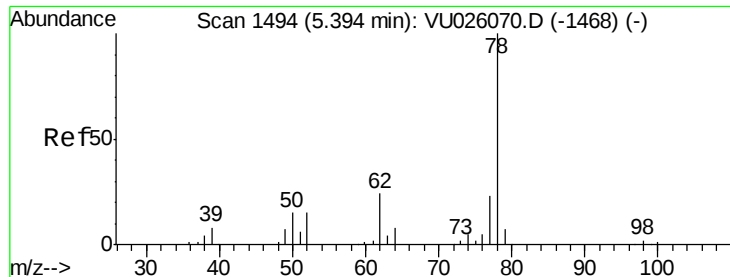
98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#33

Benzene

Concen: 56.420 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

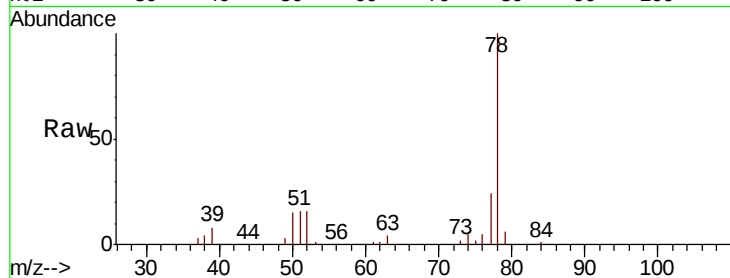
Instrument :

MSVOA_U

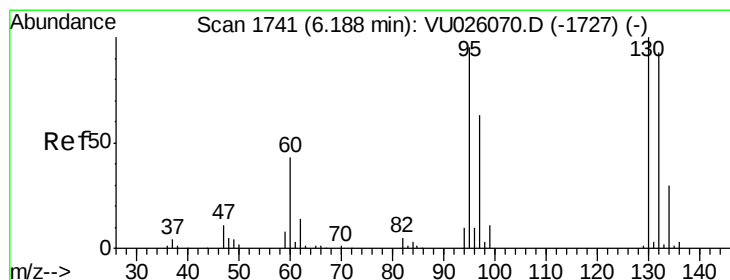
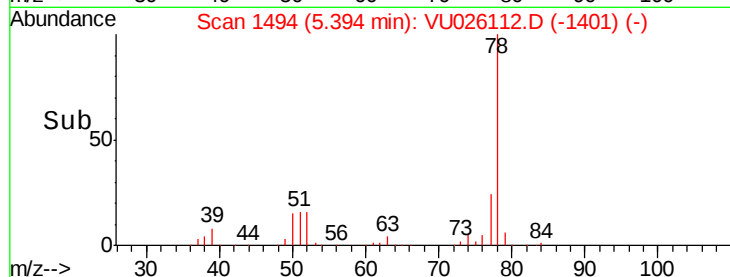
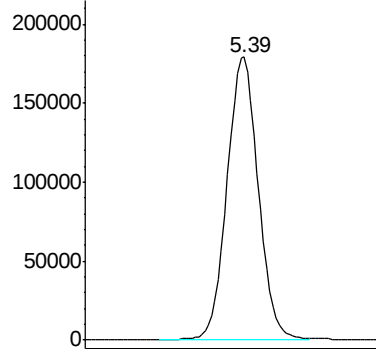
ClientSampleId :

A4ZJ2MS

Tgt Ion: 78 Resp: 386436



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 53.452 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Tgt Ion: 95 Resp: 95644

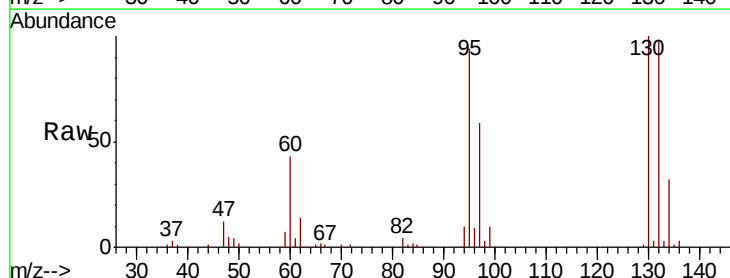
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.2	84.0
132	104.0	68.2	126.6
130	106.2	73.8	137.2

95 100

97 62.8 45.2 84.0

132 104.0 68.2 126.6

130 106.2 73.8 137.2

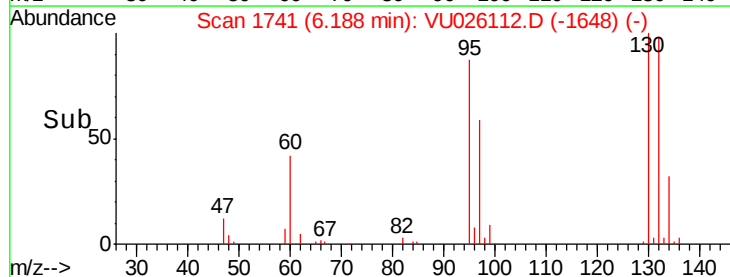
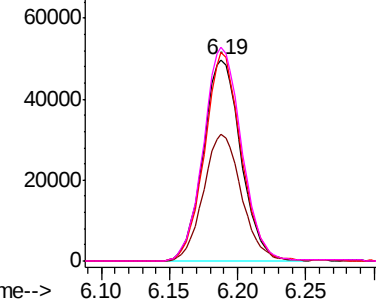


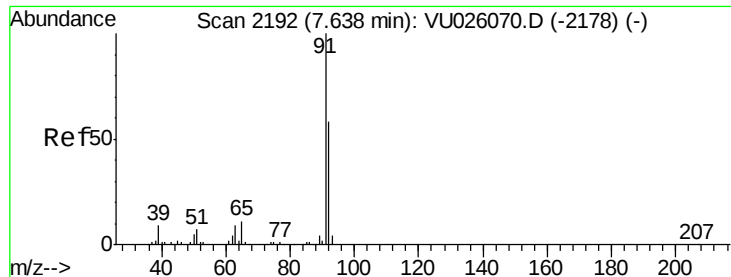
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#42

Toluene

Concen: 55.787 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampled :

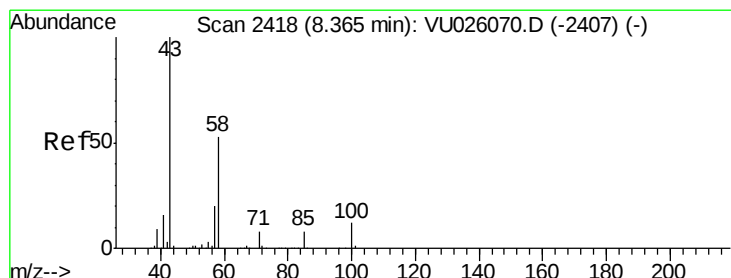
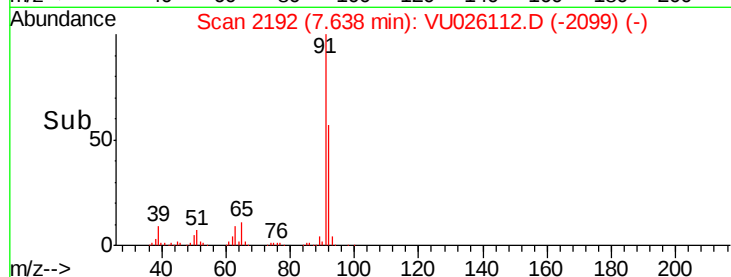
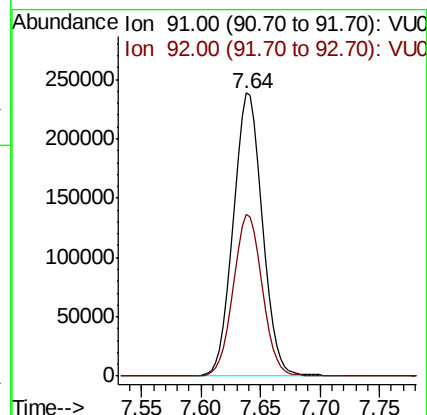
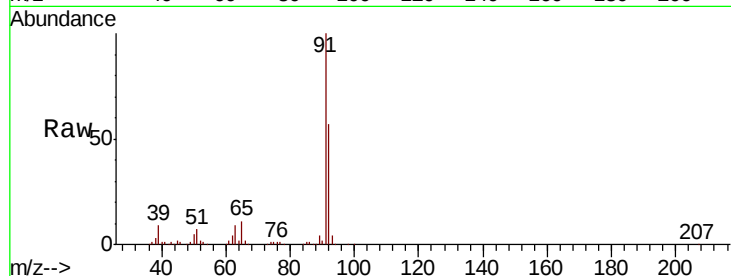
A4ZJ2MS

Tgt Ion: 91 Resp: 405577

Ion Ratio Lower Upper

91 100

92 57.3 41.0 76.2



#48

2-Hexanone

Concen: 5.925 ug/L

RT: 8.31 min Scan# 2402

Delta R.T. -0.05 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Tgt Ion: 43 Resp: 11887

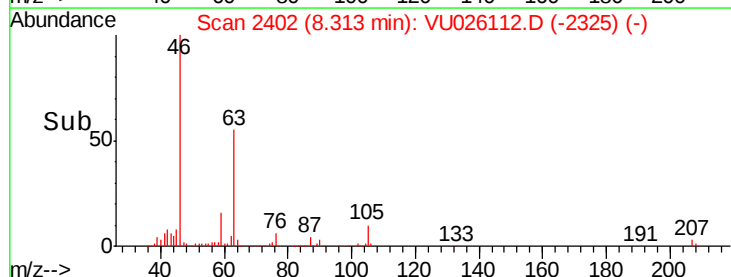
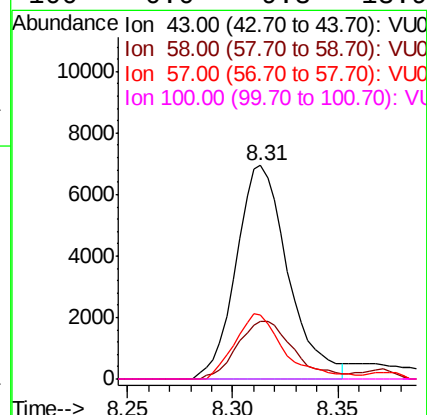
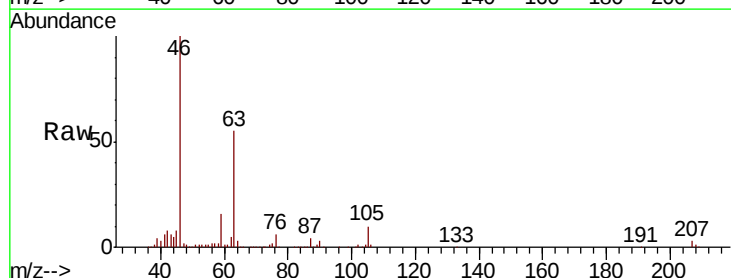
Ion Ratio Lower Upper

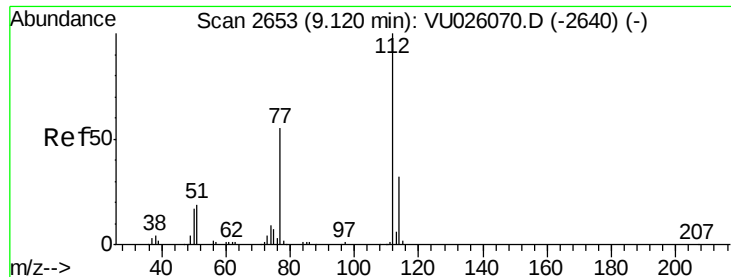
43 100

58 29.7 43.6 65.4#

57 28.6 15.1 22.7#

100 0.0 9.3 13.9#

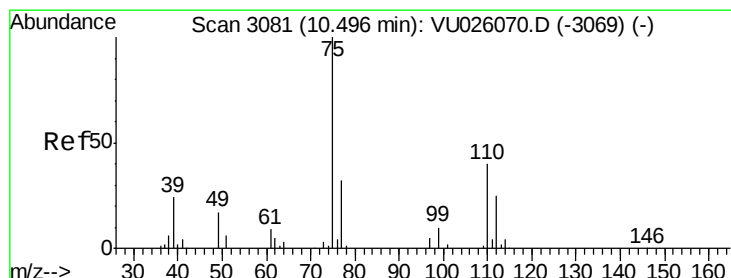
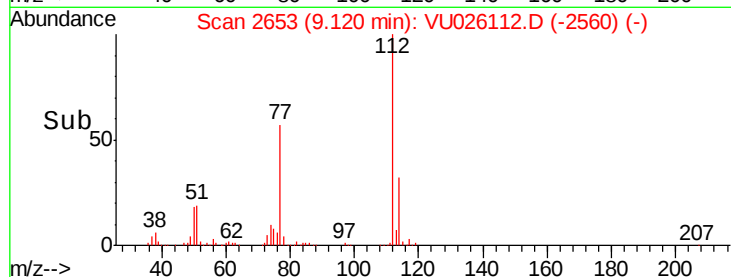
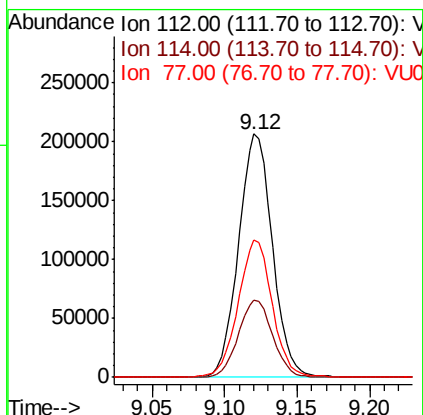
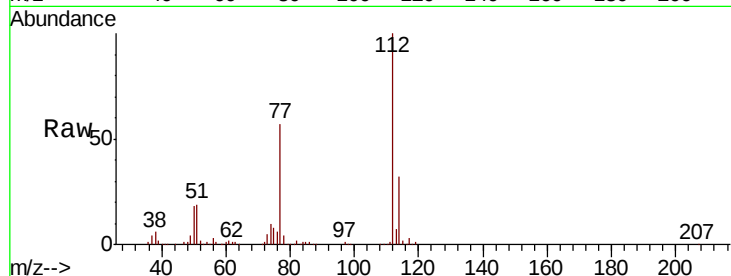




#51
Chlorobenzene
Concen: 68.521 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026112.D
Acq: 14 Aug 2018 19:56

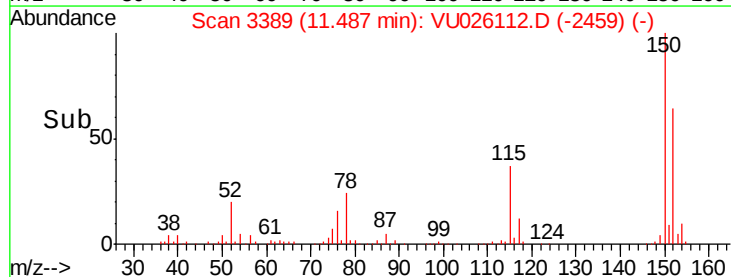
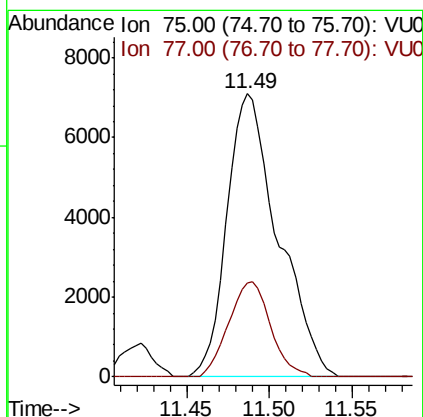
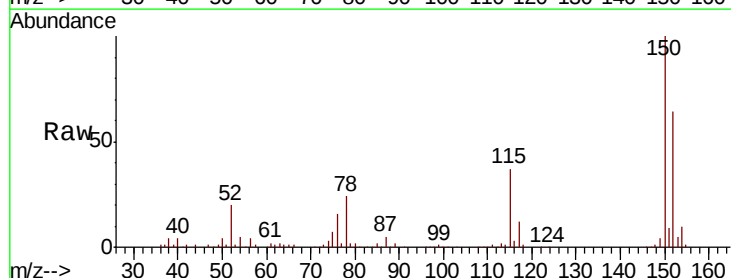
Instrument :
MSVOA_U
ClientSampleId :
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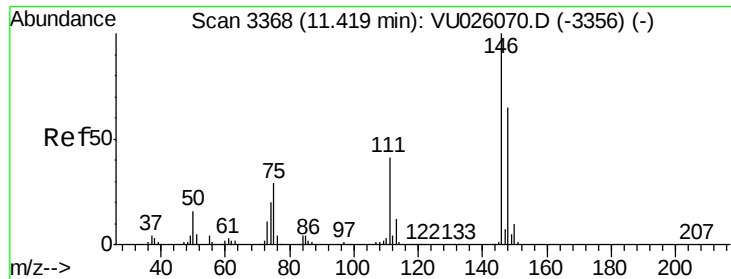
Tgt Ion: 112 Resp: 335883
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 56.6 45.2 67.8



#59
1,2,3-Trichloropropane
Concen: 6.298 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU026112.D
Acq: 14 Aug 2018 19:56

Tgt Ion: 75 Resp: 15222
Ion Ratio Lower Upper
75 100
77 27.5 25.3 37.9





#62

1,3-Dichlorobenzene

Concen: 1.299 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ2MS

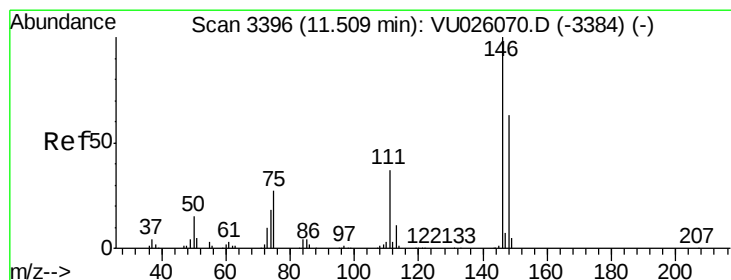
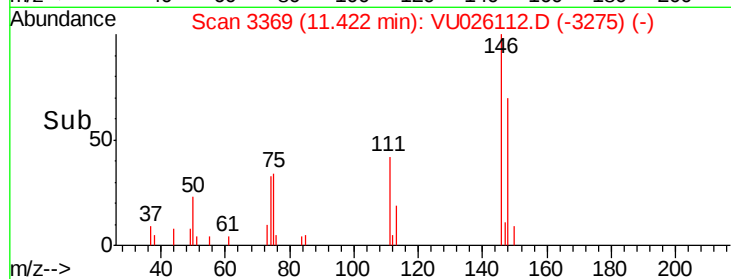
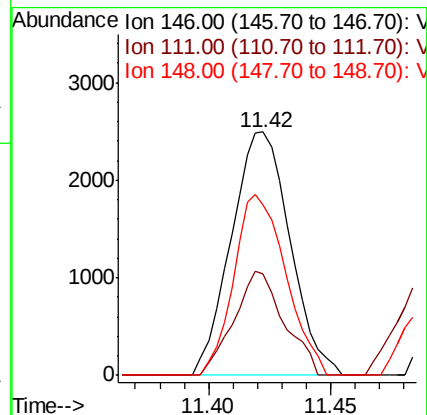
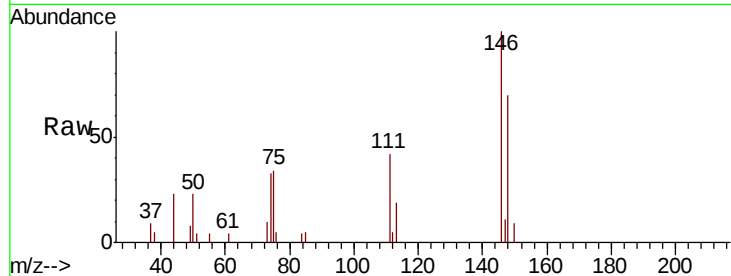
Tgt Ion:146 Resp: 4168

Ion Ratio Lower Upper

146 100

111 41.6 27.9 51.9

148 70.0 46.0 85.4



#63

1,4-Dichlorobenzene

Concen: 4.243 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026112.D

Acq: 14 Aug 2018 19:56

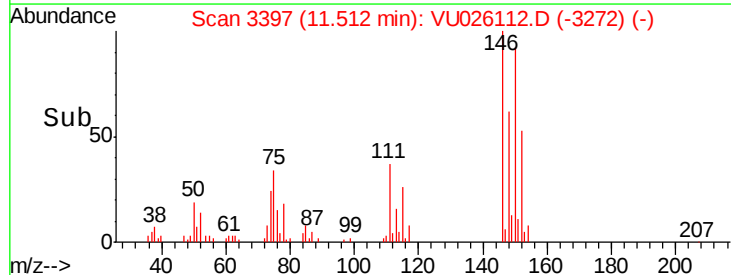
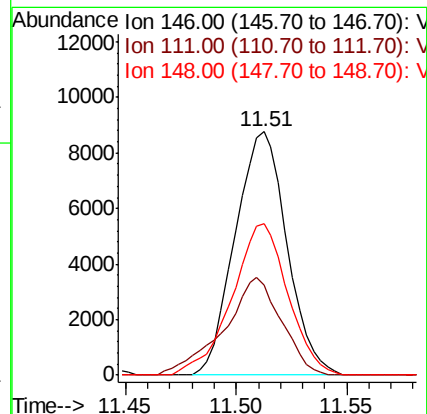
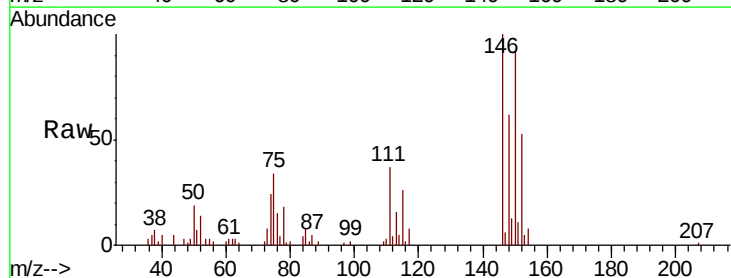
Tgt Ion:146 Resp: 14273

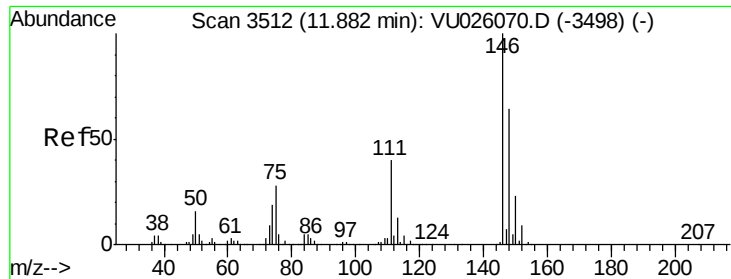
Ion Ratio Lower Upper

146 100

111 36.8 26.4 49.0

148 62.0 43.8 81.4

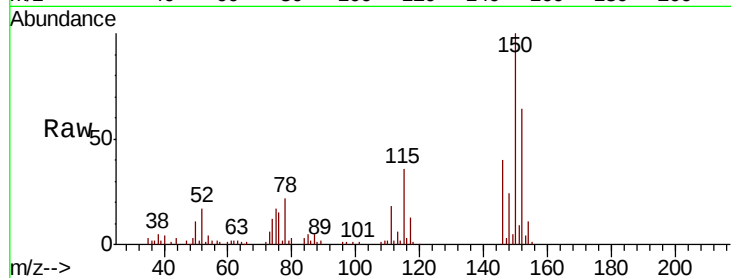




#65
 1,2-Dichlorobenzene
 Concen: 5.128 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026112.D
 Acq: 14 Aug 2018 19:56

Instrument :
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 ClientSampleId :
 A4ZJ2MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	32.4	48.6
148	60.7	50.1	75.1



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

