

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025958.D
 Acq On : 07 Aug 2018 23:43
 Operator : MD/SY
 Sample : J4361-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC0

Quant Time: Aug 08 06:48:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	313280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	309523	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	176880	50.00	ug/L	0.00

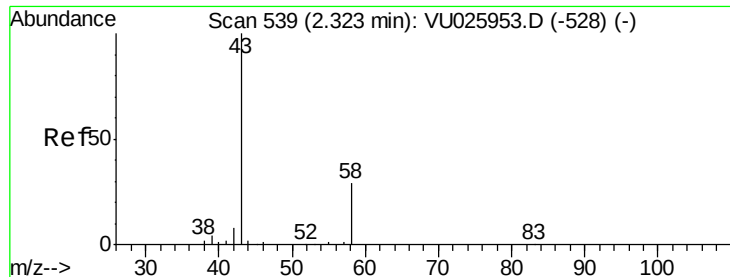
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81585	46.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.98%
7) Chloroethane-d5	1.68	69	65556	50.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.70%
11) 1,1-Dichloroethene-d2	2.27	63	120732	35.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.82%
21) 2-Butanone-d5	4.19	46	59721	50.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	50.00%
24) Chloroform-d	4.67	84	7113	2.12	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	4.24%#
26) 1,2-Dichloroethane-d4	5.31	65	114764	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
32) Benzene-d6	5.35	84	329305	48.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.52%
36) 1,2-Dichloropropane-d6	6.34	67	105940	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.88%
41) Toluene-d8	7.57	98	316340	47.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.58%
43) trans-1,3-Dichloropropene-	7.85	79	49768	44.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.48%
47) 2-Hexanone-d5	8.31	63	24370	27.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	27.61%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	241	0.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.16%#
64) 1,2-Dichlorobenzene-d4	11.87	152	151155	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.32	43	266120	188.200	ug/L	99
22) 2-Butanone	4.27	43	116930	66.142	ug/L	95
25) Chloroform	4.68	83	161829	43.195	ug/L	99
34) Trichloroethene	6.19	95	52903	23.497	ug/L	97
37) 1,2-Dichloropropane	6.34	63	12462	5.765	ug/L #	88
40) 4-Methyl-2-pentanone	7.47	43	3771	1.279	ug/L #	95
48) 2-Hexanone	8.34	43	20521	8.630	ug/L #	76
51) Chlorobenzene	9.13	112	9915109	1639.961	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	668846	126.389	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	7682239	1424.901	ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	14124504	2661.887	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	32274	40.023	ug/L #	1
70) 1,2,3-Trichlorobenzene	13.99	180	4163994	1200.900	ug/L	99

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



#13

Acetone

Concen: 188.200 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025958.D

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MSVOA_U

ClientSampleId :

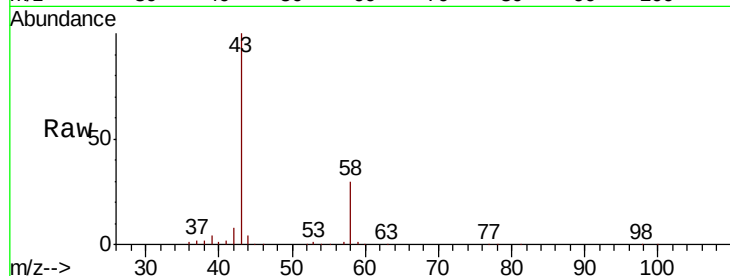
A4ZC0

Tgt Ion: 43 Resp: 266120

Ion Ratio Lower Upper

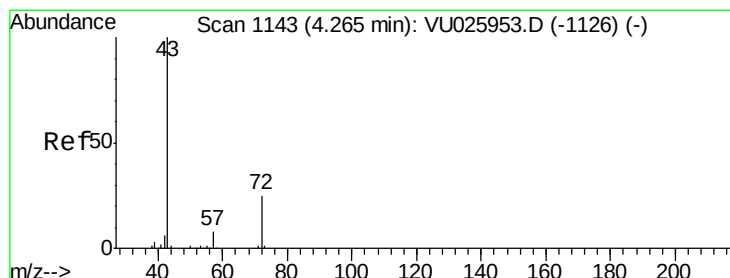
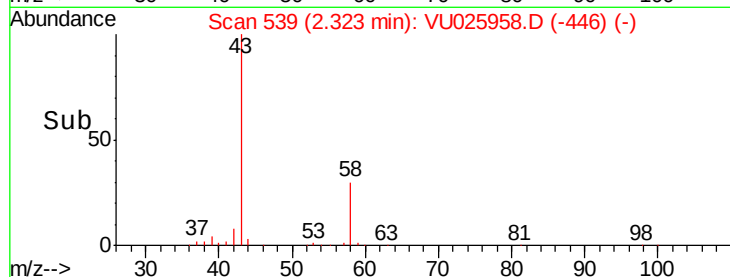
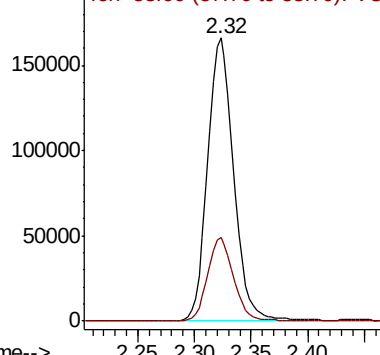
43 100

58 29.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 66.142 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025958.D

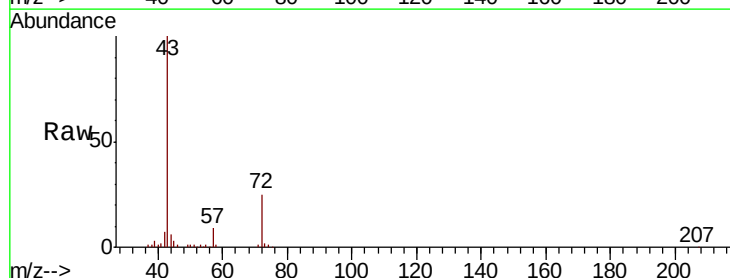
Acq: 07 Aug 2018 23:43

Tgt Ion: 43 Resp: 116930

Ion Ratio Lower Upper

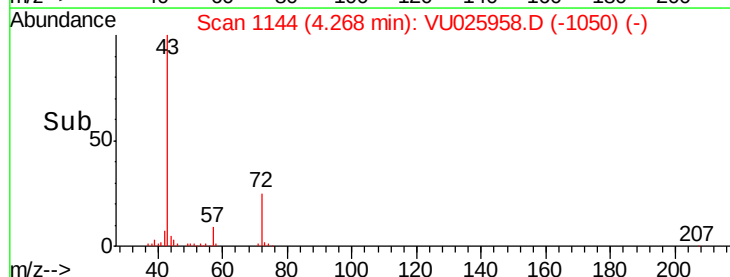
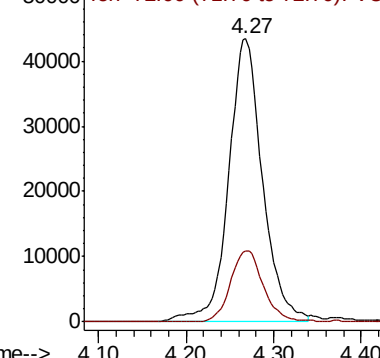
43 100

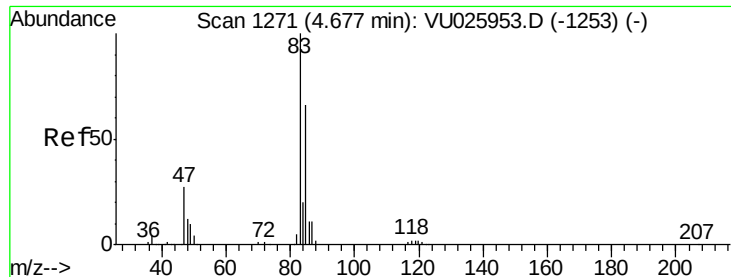
72 24.2 13.4 40.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

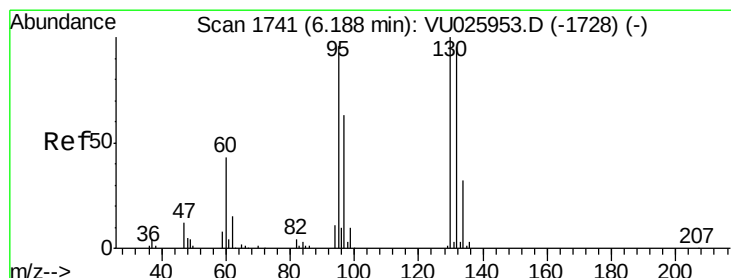
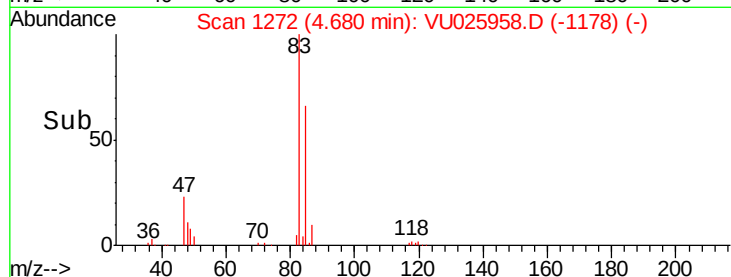
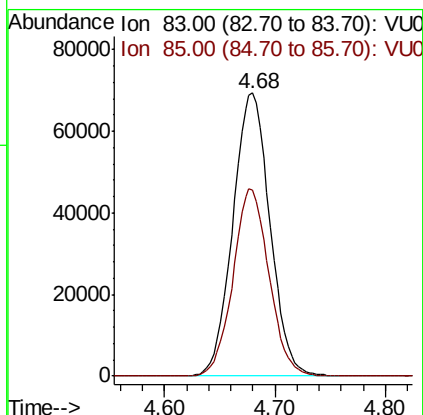
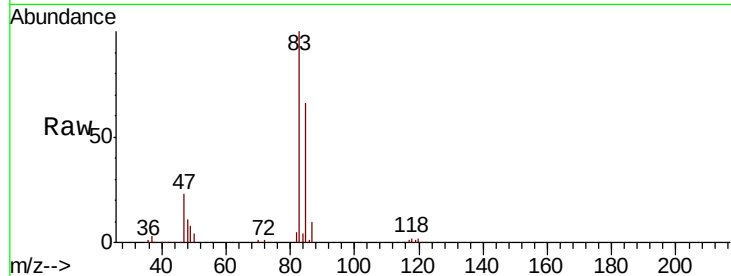




#25
Chloroform
Concen: 43.195 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025958.D
Acq: 07 Aug 2018 23:43

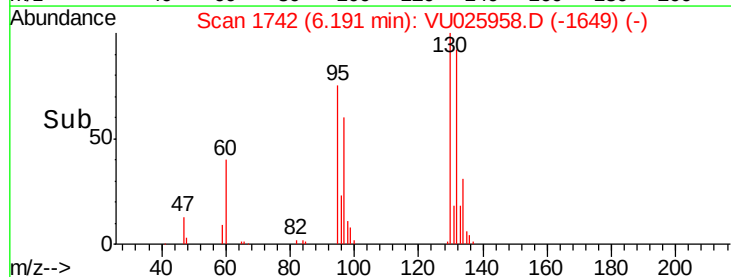
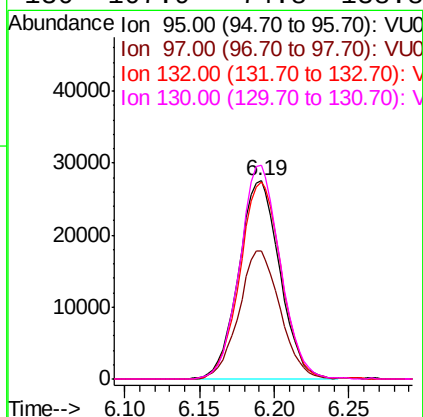
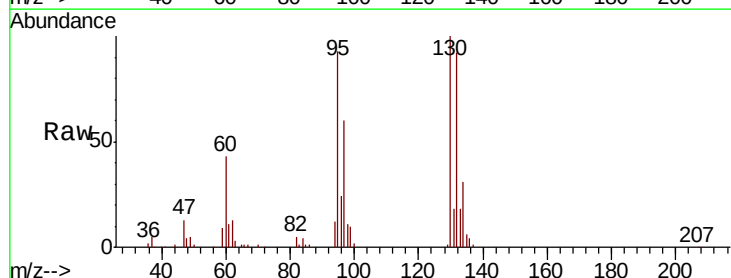
Instrument :
MSVOA_U
ClientSampleId :
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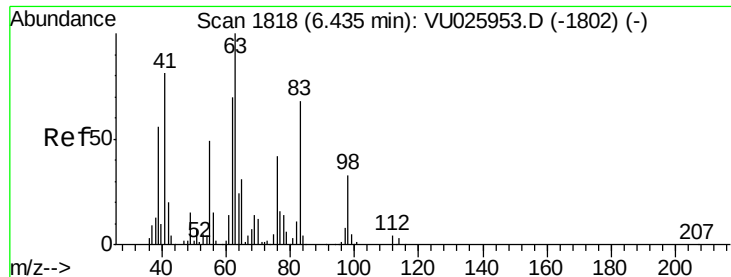
Tgt Ion: 83 Resp: 161829
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#34
Trichloroethene
Concen: 23.497 ug/L
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025958.D
Acq: 07 Aug 2018 23:43

Tgt Ion: 95 Resp: 52903
Ion Ratio Lower Upper
95 100
97 64.4 46.6 86.6
132 99.4 73.3 136.1
130 107.9 74.8 138.8

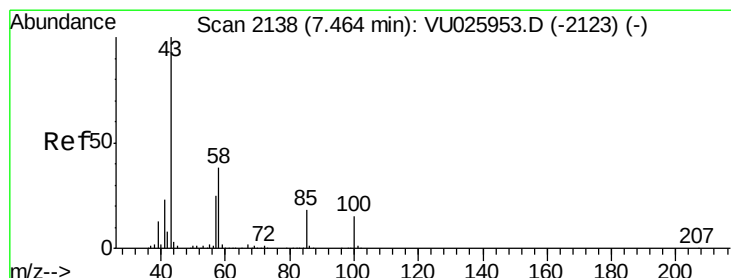
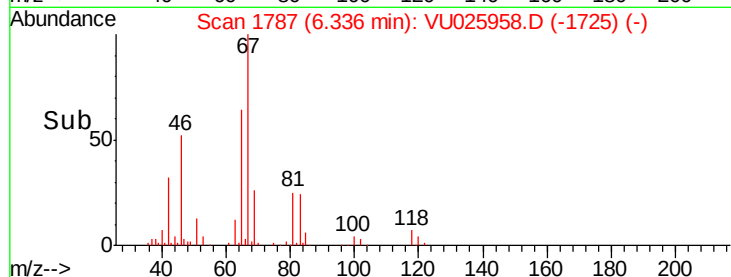
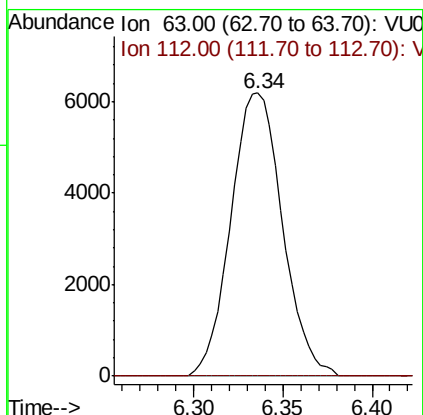
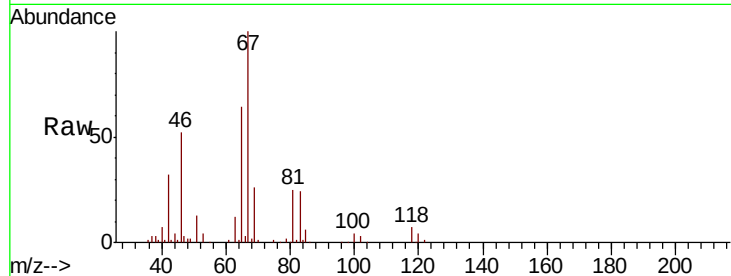




#37
 1,2-Dichloropropane
 Concen: 5.765 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

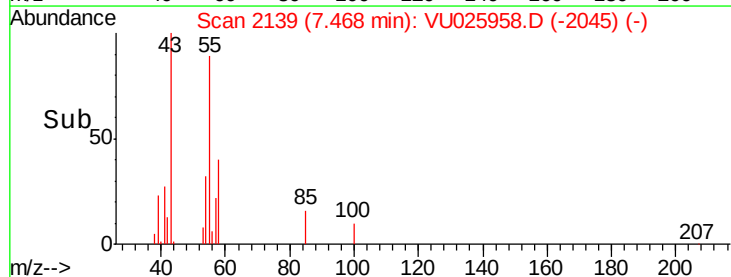
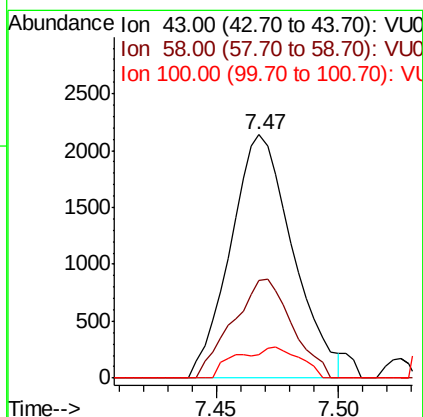
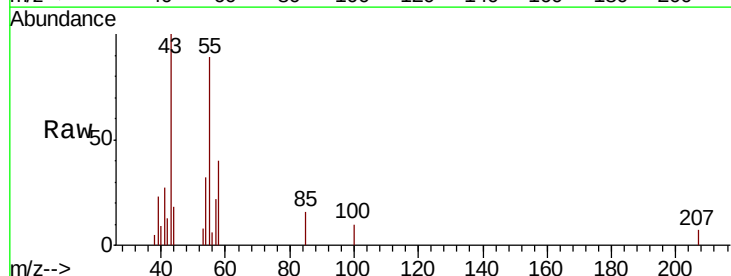
Instrument :
 MSVOA_U
 ClientSampleId :
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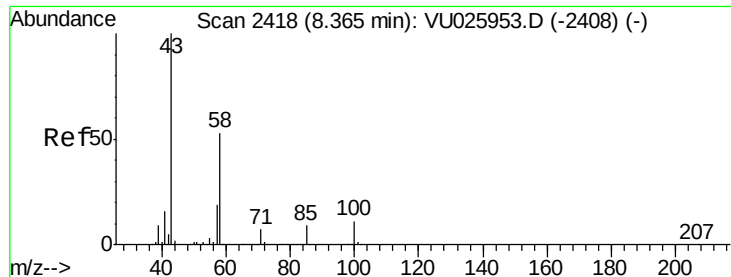
Tgt Ion: 63 Resp: 12462
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#40
 4-Methyl-2-pentanone
 Concen: 1.279 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Tgt Ion: 43 Resp: 3771
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.4
 100 8.4 12.4 18.6#

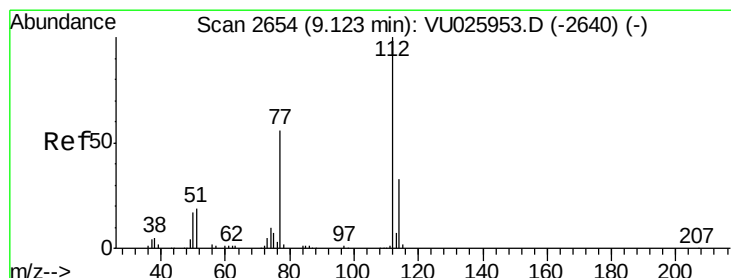
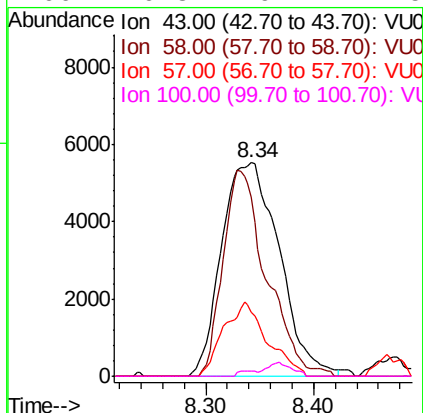
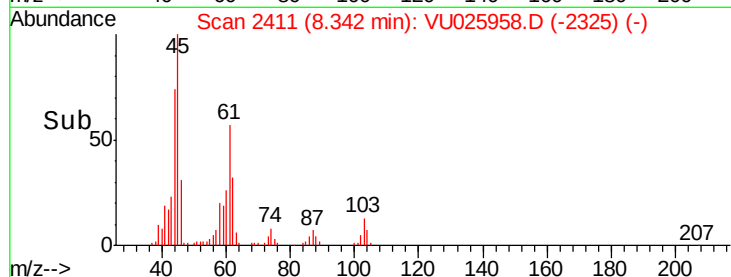
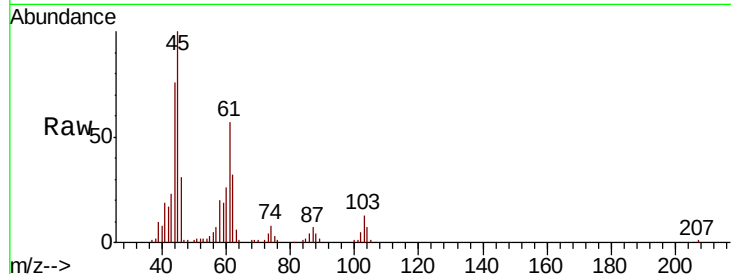




#48
 2-Hexanone
 Concen: 8.630 ug/L
 RT: 8.34 min Scan# 2411
 Delta R.T. -0.02 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

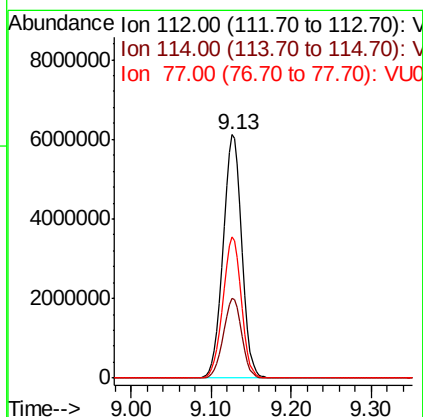
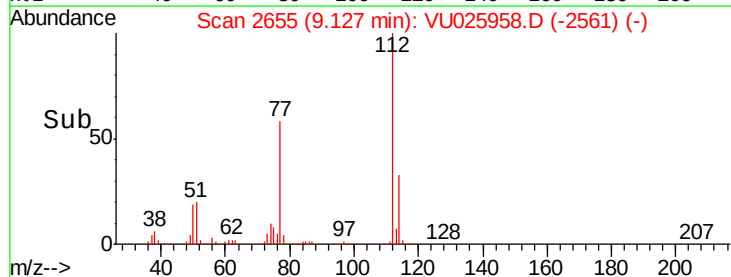
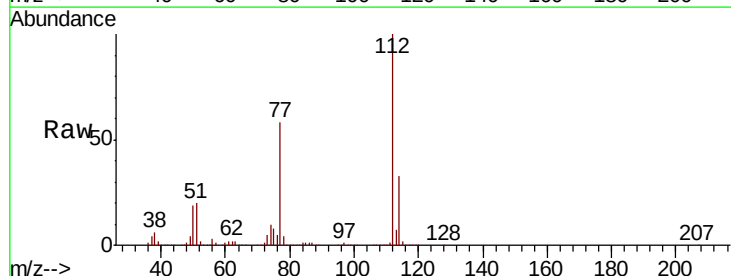
Instrument :
 MSVOA_U
 ClientSampleId :
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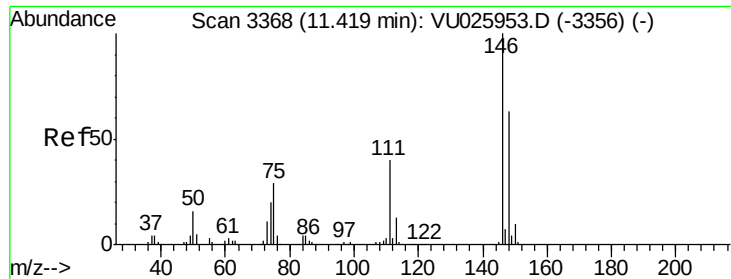
Tgt Ion:	43	Resp:	20521
Ion	Ratio	Lower	Upper
43	100		
58	72.1	43.3	64.9#
57	26.4	15.0	22.6#
100	0.8	9.7	14.5#



#51
 Chlorobenzene
 Concen: 1639.961 ug/L
 RT: 9.13 min Scan# 2655
 Delta R.T. 0.00 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Tgt Ion:	112	Resp:	9915109
Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.9	42.5
77	57.9	46.6	70.0

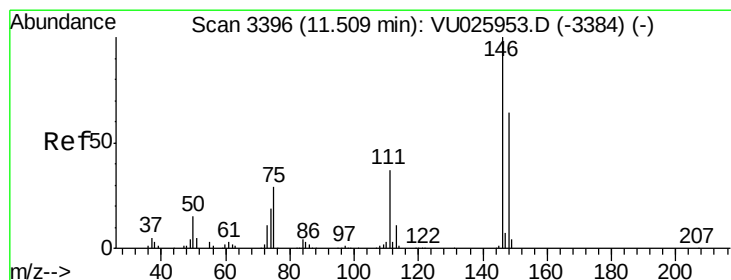
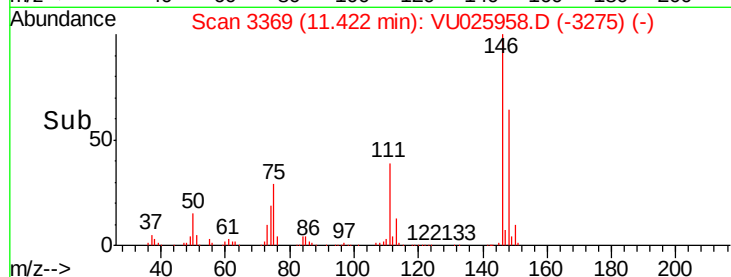
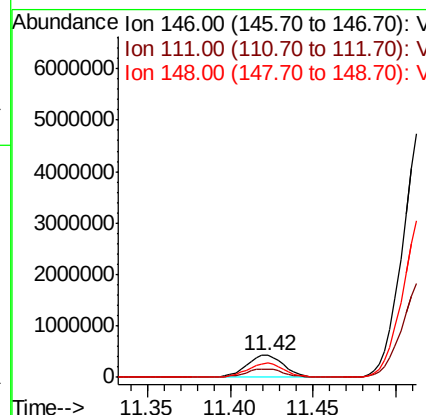
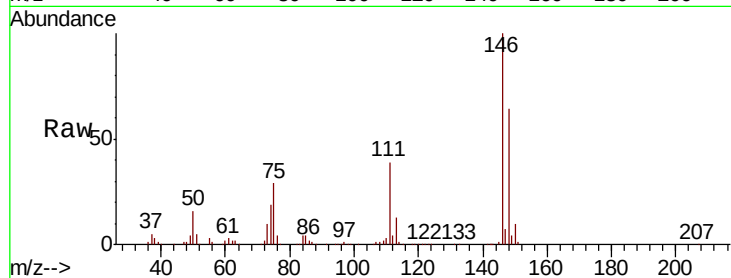




#62
 1,3-Dichlorobenzene
 Concen: 126.389 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

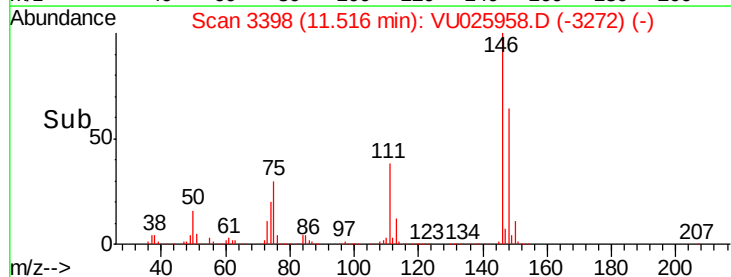
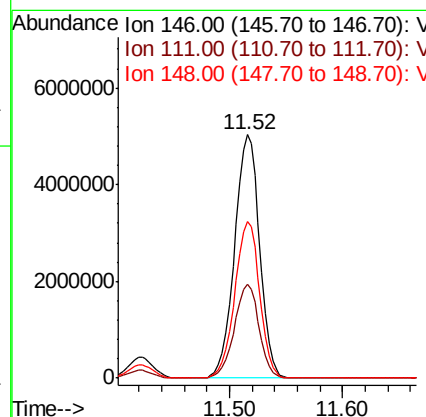
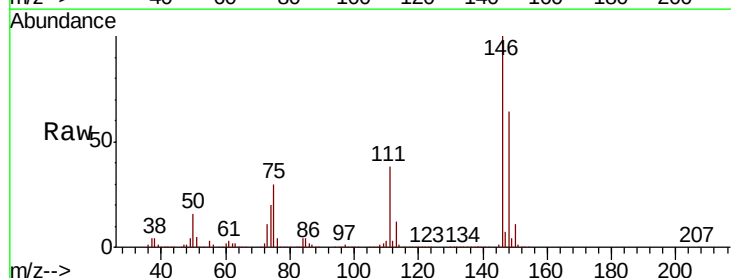
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC0

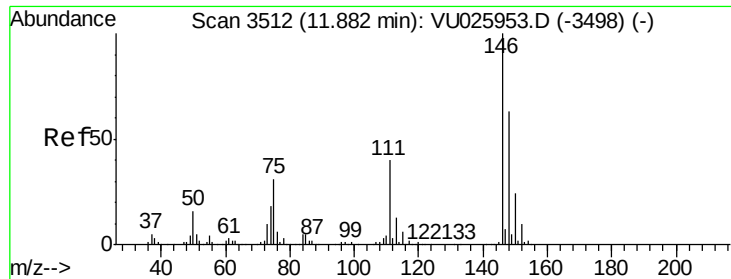
Tgt Ion:146 Resp: 668846
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.5 51.1
 148 64.1 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 1424.901 ug/L
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Tgt Ion:146 Resp: 7682239
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.7 49.7
 148 64.3 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 2661.887 ug/L

RT: 11.89 min Scan# 3515

Delta R.T. 0.01 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

Instrument :

MSVOA_U

ClientSampleId :

A4ZC0

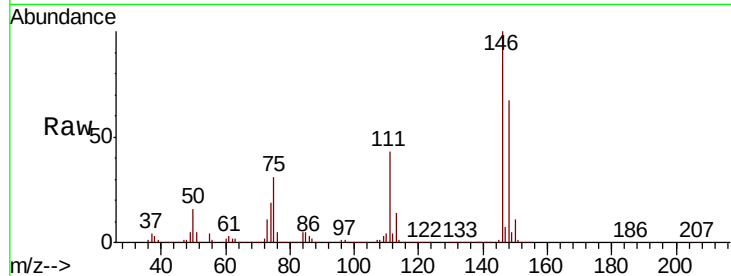
Tgt Ion:146 Resp:14124504

Ion Ratio Lower Upper

146 100

111 43.3 33.4 50.0

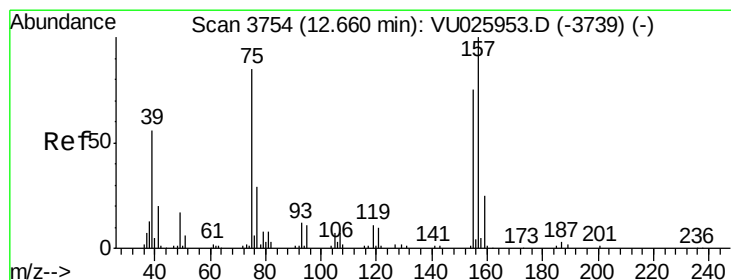
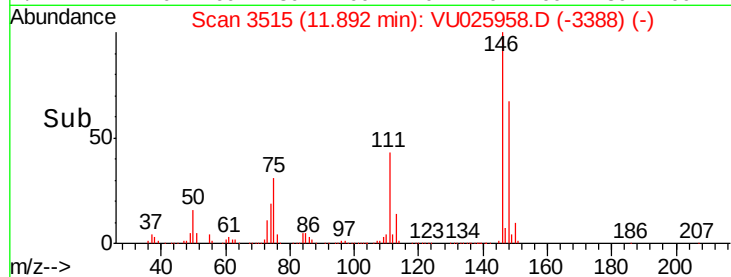
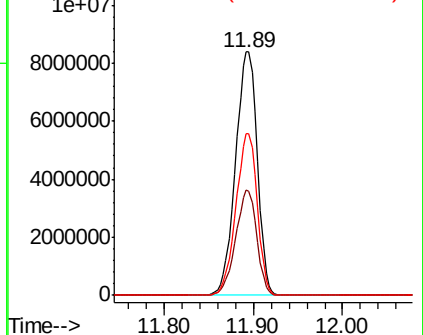
148 66.6 51.8 77.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 40.023 ug/L

RT: 12.64 min Scan# 3747

Delta R.T. -0.02 min

Lab File: VU025958.D

Acq: 07 Aug 2018 23:43

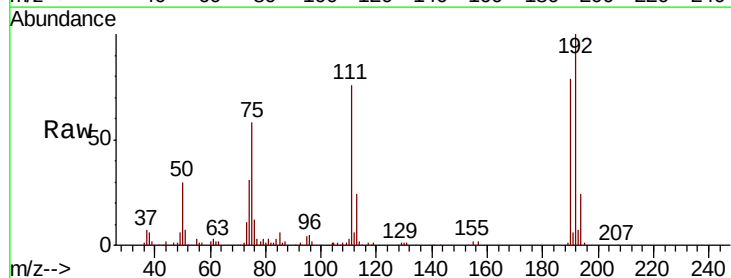
Tgt Ion: 75 Resp: 32274

Ion Ratio Lower Upper

75 100

155 3.1 71.4 107.2#

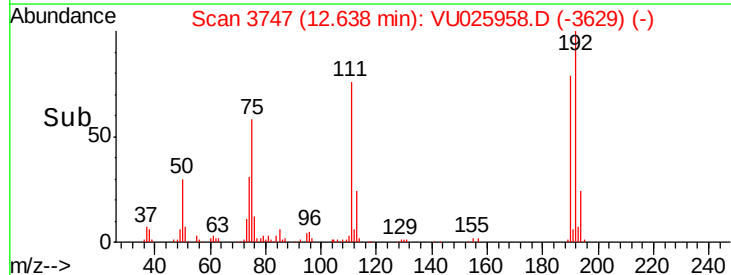
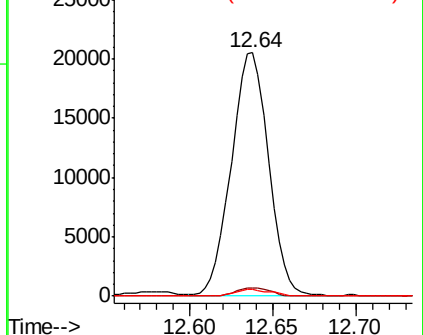
157 2.6 92.0 138.0#

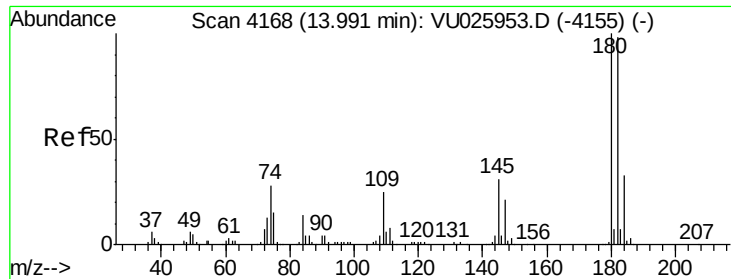


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

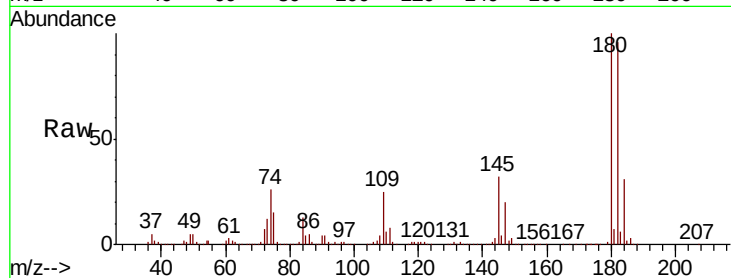




#70
 1,2,3-Trichlorobenzene
 Concen: 1200.900 ug/L
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU025958.D
 Acq: 07 Aug 2018 23:43

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZC0

Tgt Ion:180 Resp: 4163994
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.6 116.4
 145 31.8 25.3 37.9



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

