

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025945.D
 Acq On : 07 Aug 2018 17:22
 Operator : MD/SY
 Sample : J4363-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8

Quant Time: Aug 08 04:22:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 07 12:44:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	364215	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	353183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	219084	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98809	48.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.92%
7) Chloroethane-d5	1.68	69	76855	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.56%
11) 1,1-Dichloroethene-d2	2.27	63	140884	36.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.08%
21) 2-Butanone-d5	4.18	46	155991	112.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.33%
24) Chloroform-d	4.65	84	193960	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	5.31	65	132290	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
32) Benzene-d6	5.35	84	389312	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.02%
36) 1,2-Dichloropropane-d6	6.34	67	121278	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.22%
41) Toluene-d8	7.57	98	367841	48.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.85	79	64019	50.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.88%
47) 2-Hexanone-d5	8.31	63	110422	109.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.63%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	172464	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
64) 1,2-Dichlorobenzene-d4	11.88	152	184738	51.04	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

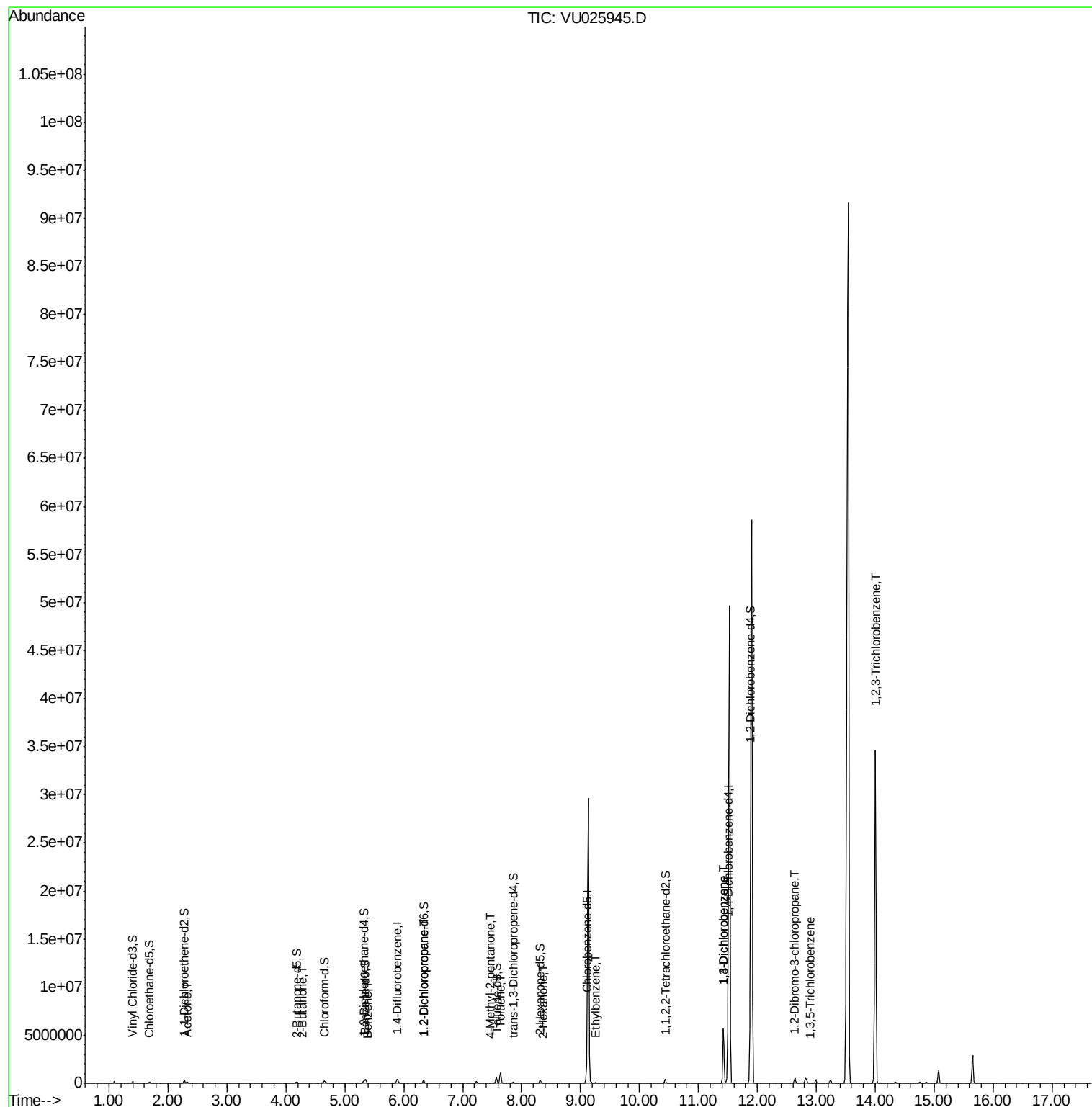
					Qvalue
13) Acetone	2.32	43	136254	82.883 ug/L	99
22) 2-Butanone	4.27	43	55749	27.124 ug/L	99
33) Benzene	5.39	78	13005	1.409 ug/L	100
37) 1,2-Dichloropropane	6.33	63	14111	5.721 ug/L #	88
40) 4-Methyl-2-pentanone	7.47	43	5986	1.780 ug/L	96
42) Toluene	7.64	91	819105	81.302 ug/L	99
48) 2-Hexanone	8.36	43	3536	1.303 ug/L #	76
52) Ethylbenzene	9.26	91	37485	3.270 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	2335599	356.329 ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	2335599	349.754 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	75699	75.791 ug/L #	2
67) 1,3,5-Trichlorobenzene	12.89	180	7708	1.596 ug/L	95
70) 1,2,3-Trichlorobenzene	14.00	180	11337006	2639.751 ug/L	100

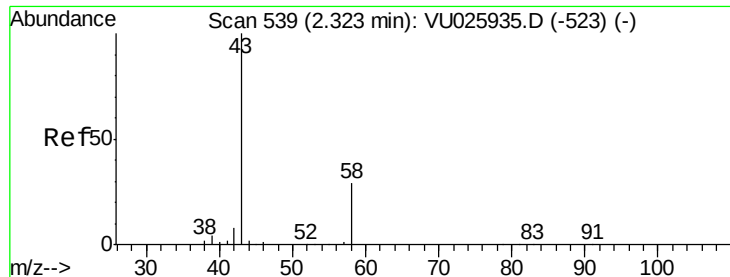
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 82.883 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :

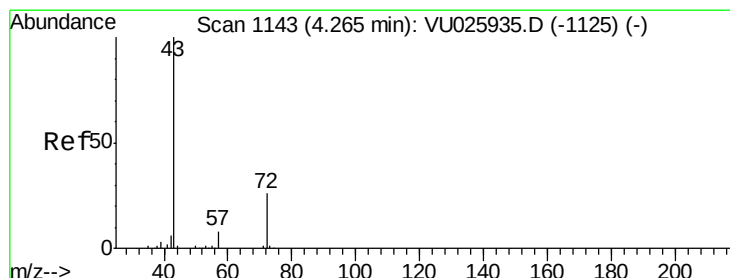
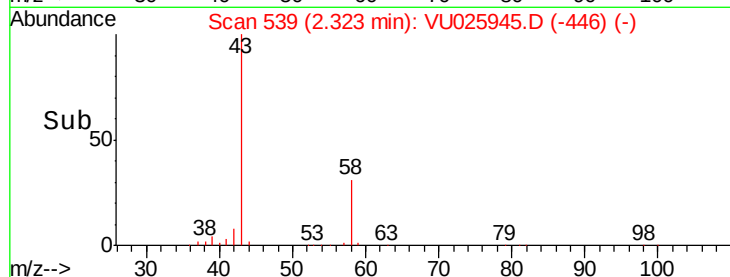
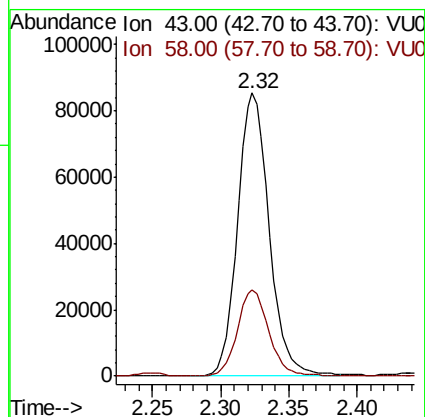
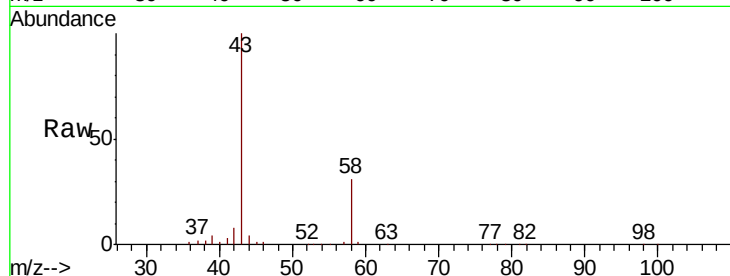
A4ZA8

Tgt Ion: 43 Resp: 136254

Ion Ratio Lower Upper

43 100

58 30.2 0.0 61.2



#22

2-Butanone

Concen: 27.124 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025945.D

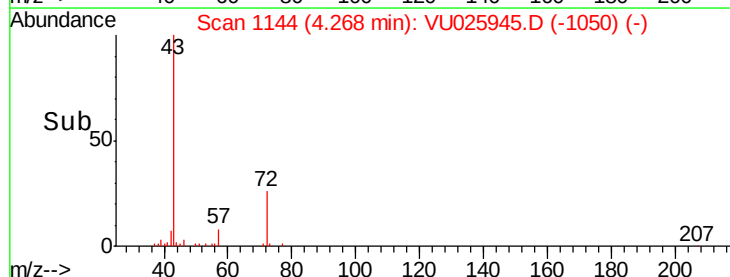
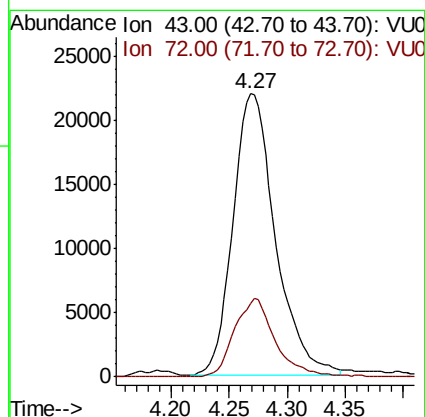
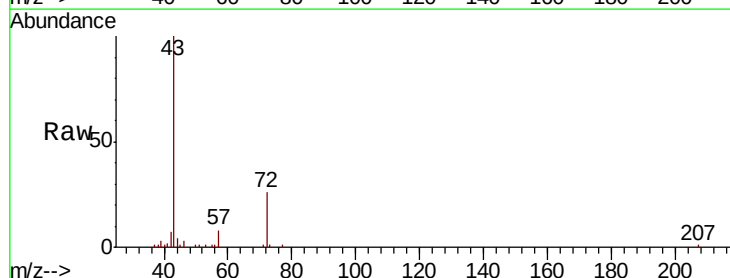
Acq: 07 Aug 2018 17:22

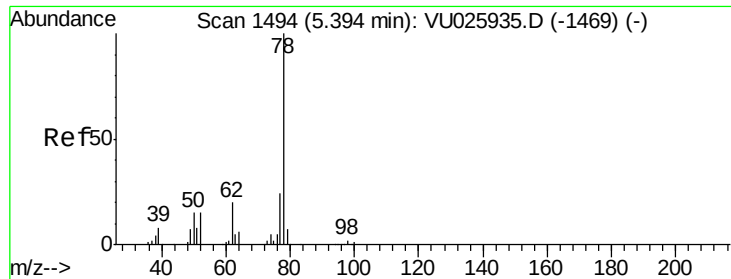
Tgt Ion: 43 Resp: 55749

Ion Ratio Lower Upper

43 100

72 26.8 13.6 40.8





#33

Benzene

Concen: 1.409 ug/L

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

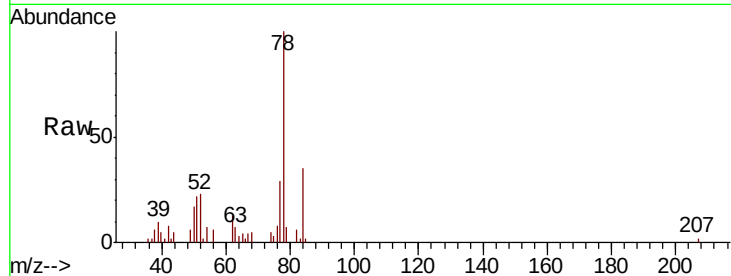
Instrument :

MSVOA_U

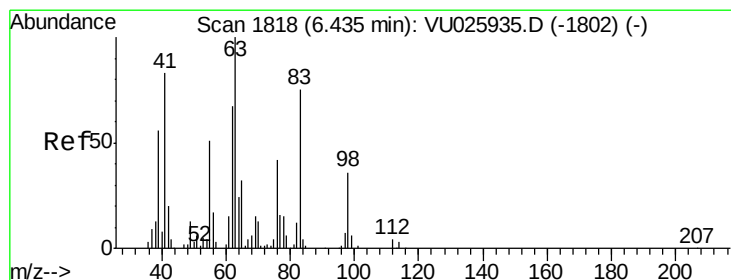
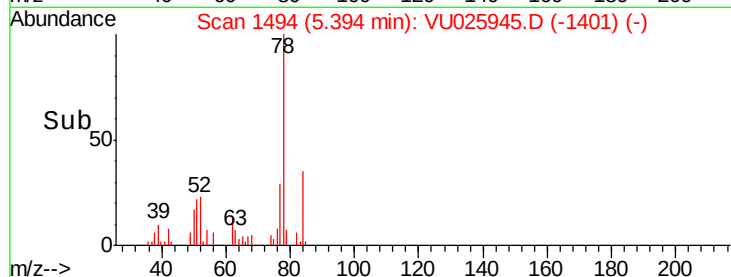
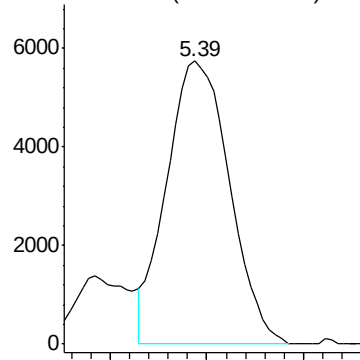
ClientSampleId :

A4ZA8

Tgt Ion: 78 Resp: 13005



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.721 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU025945.D

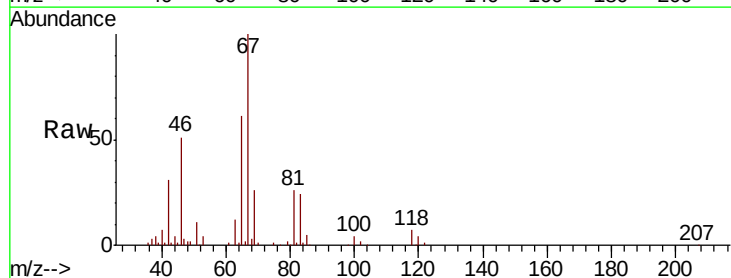
Acq: 07 Aug 2018 17:22

Tgt Ion: 63 Resp: 14111

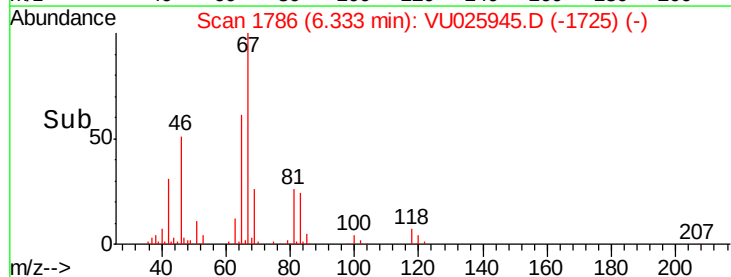
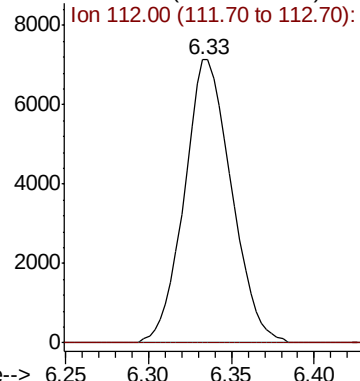
Ion Ratio Lower Upper

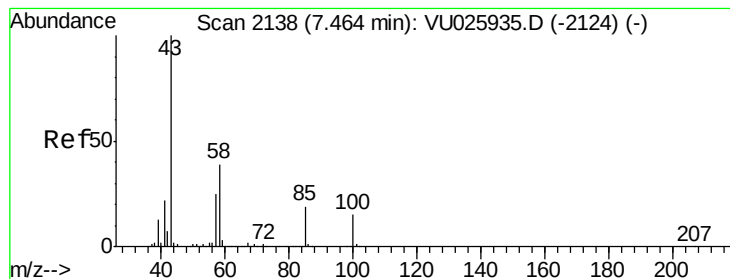
63 100

112 0.0 3.3 4.9#



Abundance Ion 63.00 (62.70 to 63.70): VU0

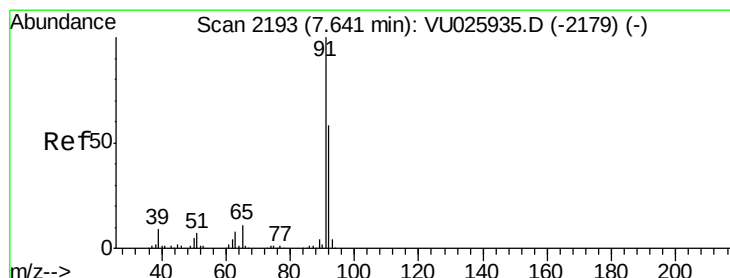
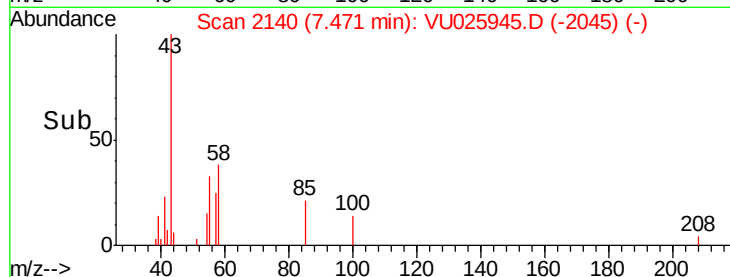
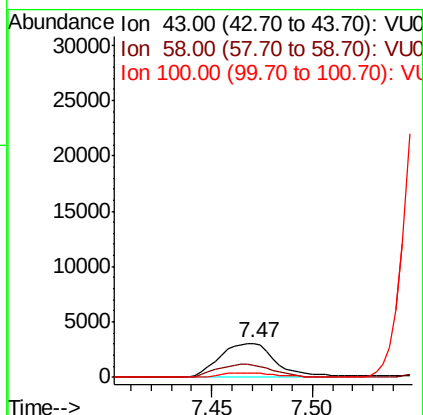
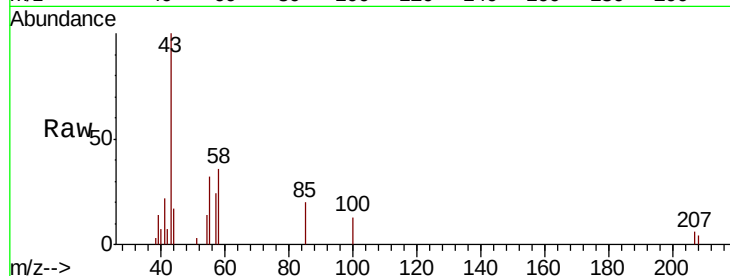




#40
 4-Methyl-2-pentanone
 Concen: 1.780 ug/L
 RT: 7.47 min Scan# 2140
 Delta R.T. 0.01 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

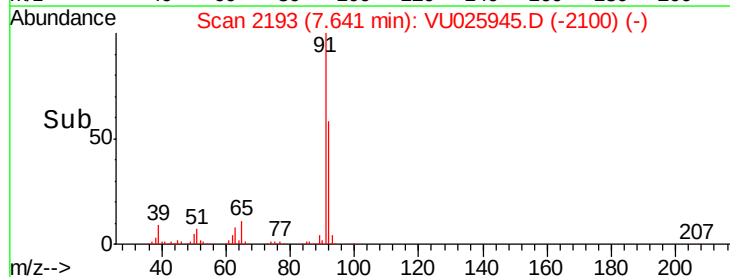
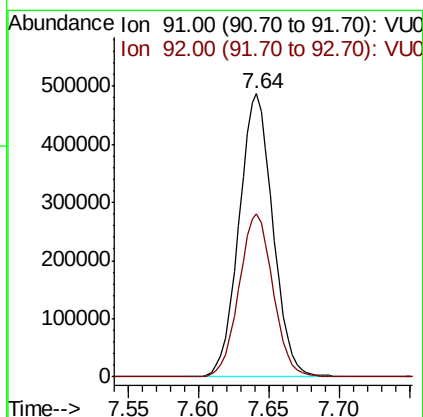
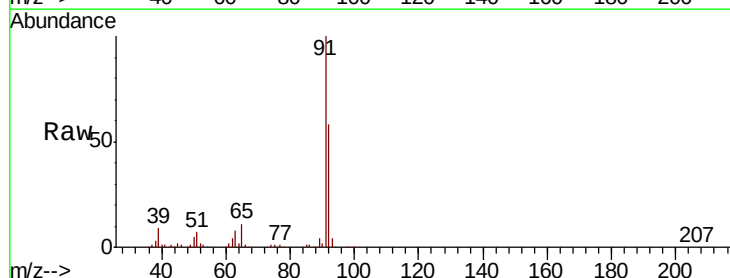
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8

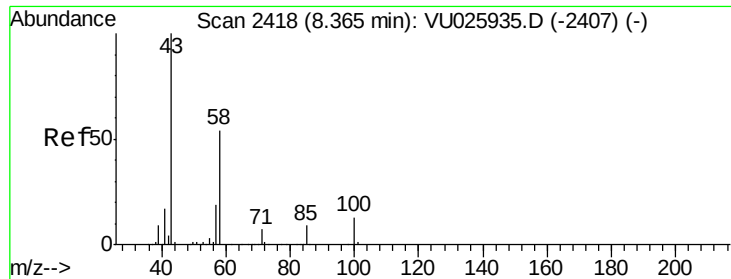
Tgt Ion: 43 Resp: 5986
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.8 46.2
 100 13.0 12.1 18.1



#42
 Toluene
 Concen: 81.302 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Tgt Ion: 91 Resp: 819105
 Ion Ratio Lower Upper
 91 100
 92 57.5 40.0 74.2

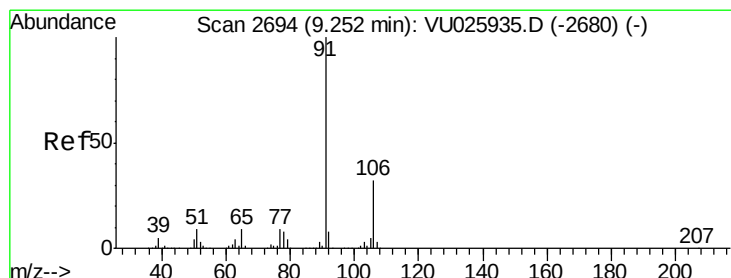
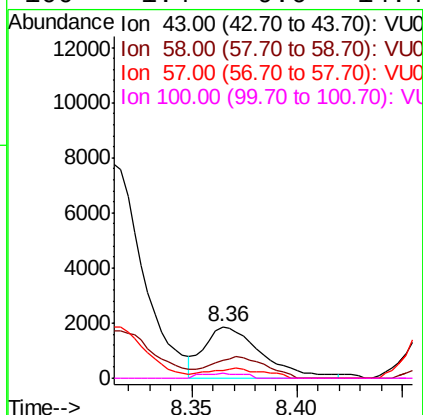
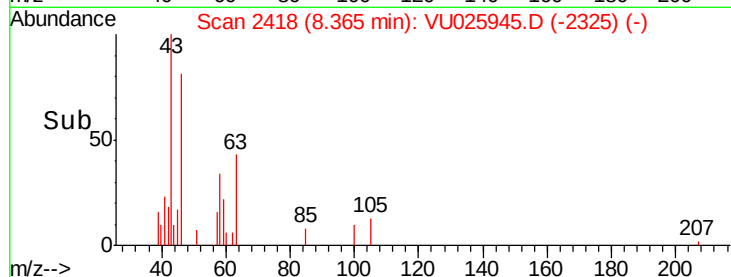
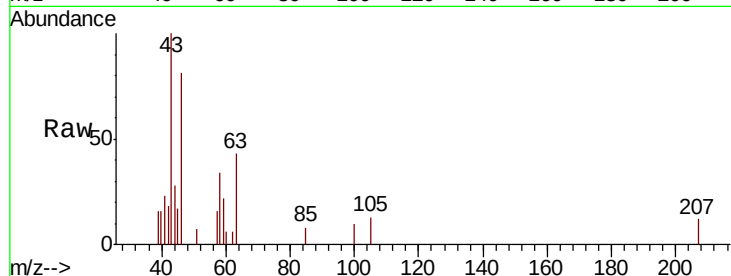




#48
2-Hexanone
Concen: 1.303 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025945.D
Acq: 07 Aug 2018 17:22

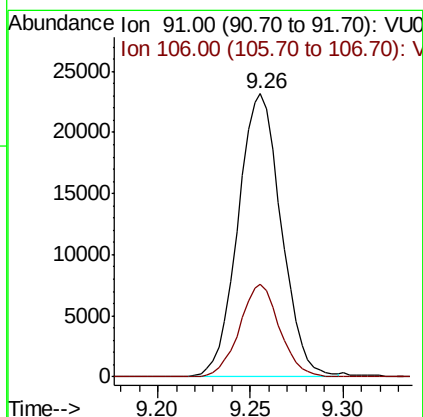
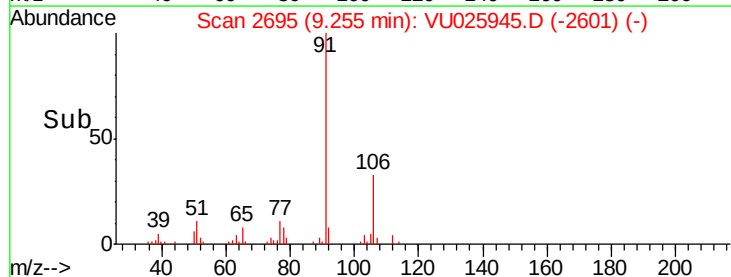
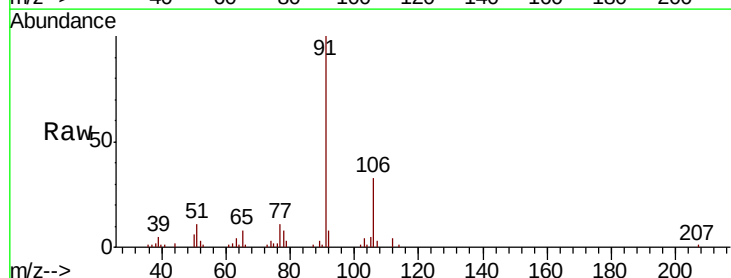
Instrument :
MSVOA_U
ClientSampleId :
A4ZA8

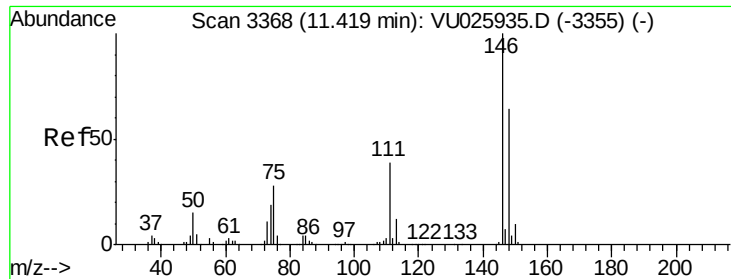
Tgt Ion: 43 Resp: 3536
Ion Ratio Lower Upper
43 100
58 38.7 42.9 64.3#
57 6.3 15.4 23.2#
100 1.4 9.6 14.4#



#52
Ethylbenzene
Concen: 3.270 ug/L
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025945.D
Acq: 07 Aug 2018 17:22

Tgt Ion: 91 Resp: 37485
Ion Ratio Lower Upper
91 100
106 32.8 22.3 41.5

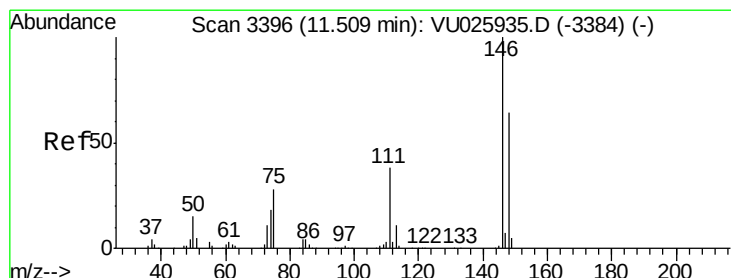
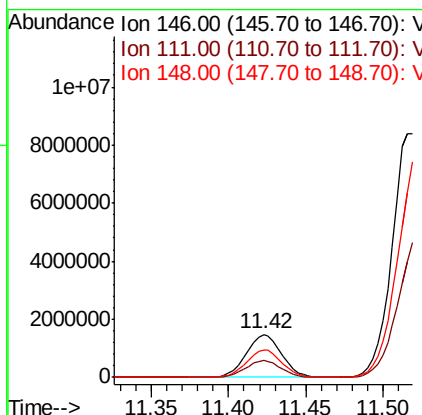
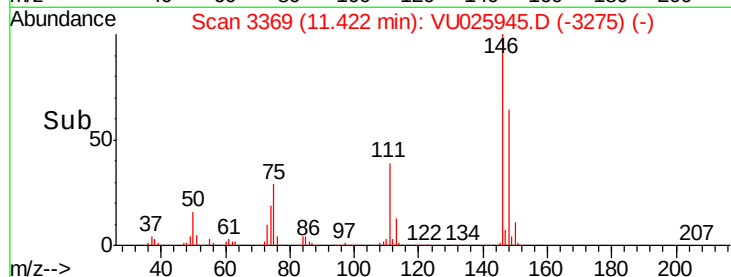
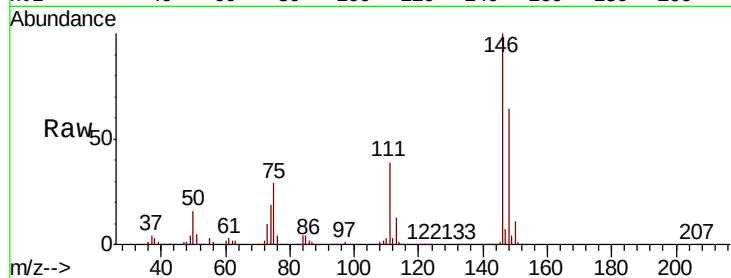




#62
 1,3-Dichlorobenzene
 Concen: 356.329 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

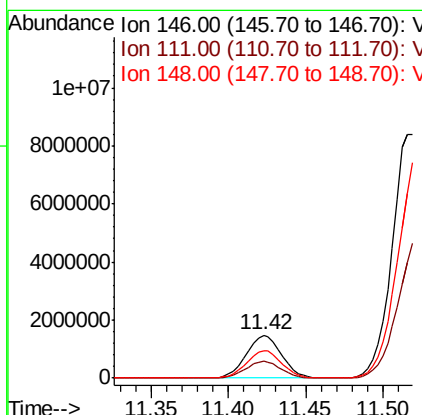
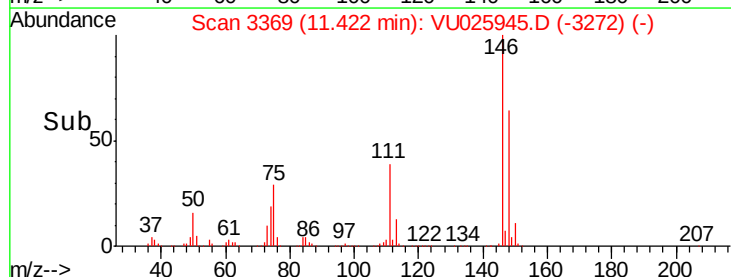
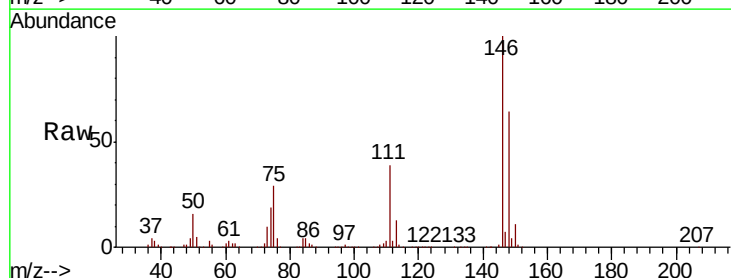
Instrument :
 MSVOA_U
 ClientSampled :
 A4ZA8

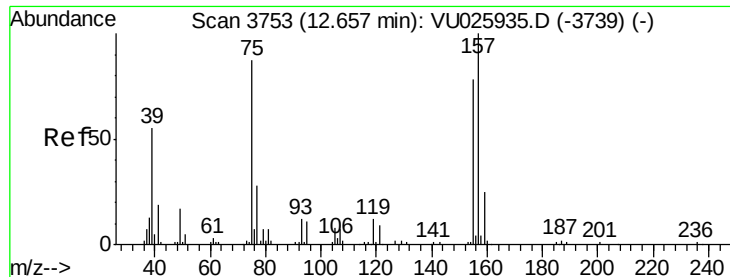
Tgt Ion:146 Resp: 2335599
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.7 51.5
 148 64.3 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 349.754 ug/L
 RT: 11.42 min Scan# 3369
 Delta R.T. -0.09 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Tgt Ion:146 Resp: 2335599
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.9 49.9
 148 64.3 44.6 82.8





#66

1,2-Dibromo-3-chloropropane

Concen: 75.791 ug/L

RT: 12.63 min Scan# 3746

Delta R.T. -0.02 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :

A4ZA8

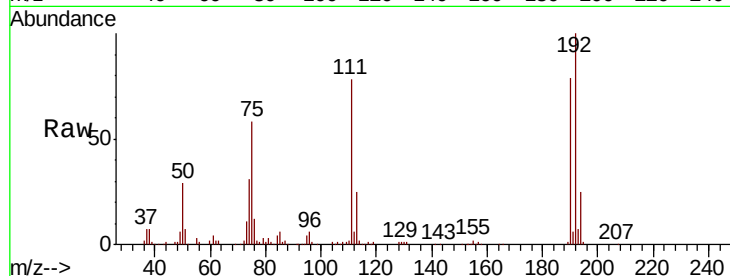
Tgt Ion: 75 Resp: 75699

Ion Ratio Lower Upper

75 100

155 2.8 66.3 99.5#

157 2.3 91.5 137.3#

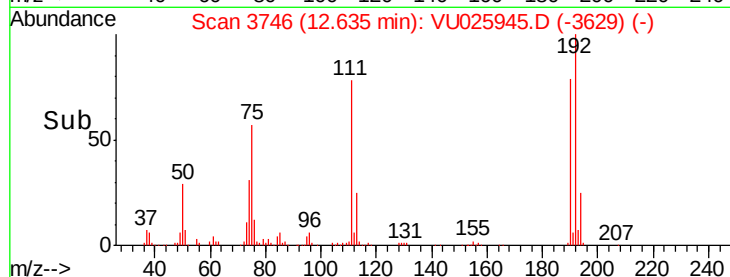


Abundance Ion 75.00 (74.70 to 75.70): VU025945.D (-3739) (-)

Ion 155.00 (154.70 to 155.70): VU025945.D (-3739) (-)

Ion 157.00 (156.70 to 157.70): VU025945.D (-3739) (-)

Time-->

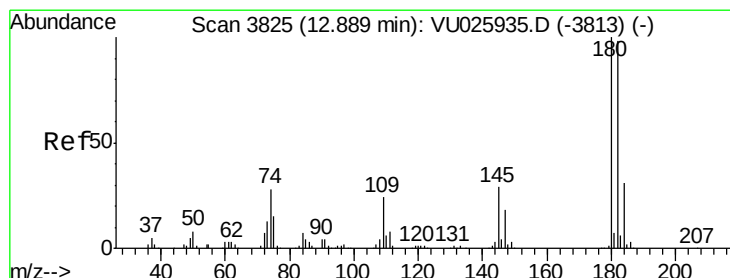


Abundance Ion 75.00 (74.70 to 75.70): VU025945.D (-3629) (-)

Ion 155.00 (154.70 to 155.70): VU025945.D (-3629) (-)

Ion 157.00 (156.70 to 157.70): VU025945.D (-3629) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 1.596 ug/L

RT: 12.89 min Scan# 3826

Delta R.T. 0.00 min

Lab File: VU025945.D

Acq: 07 Aug 2018 17:22

Tgt Ion: 180 Resp: 7708

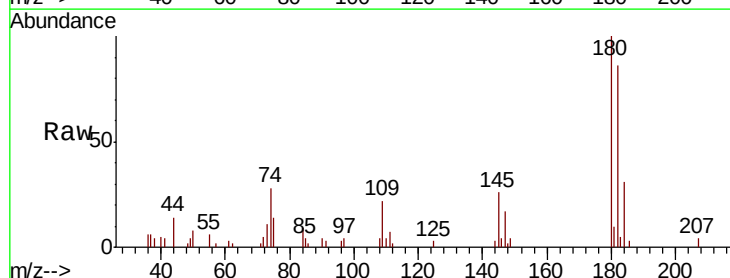
Ion Ratio Lower Upper

180 100

182 90.3 77.3 115.9

184 28.7 24.6 36.8

145 27.8 23.0 34.6



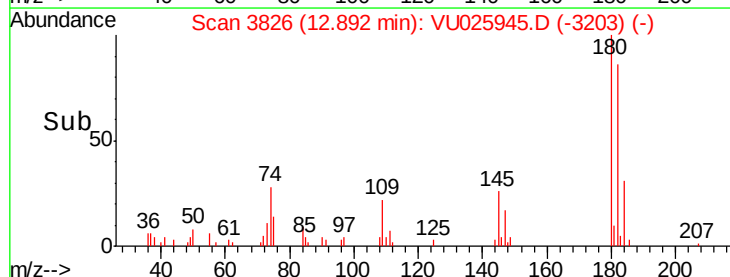
Abundance Ion 180.00 (179.70 to 180.70): VU025935.D (-3813) (-)

Ion 182.00 (181.70 to 182.70): VU025935.D (-3813) (-)

Ion 184.00 (183.70 to 184.70): VU025935.D (-3813) (-)

Ion 145.00 (144.70 to 145.70): VU025935.D (-3813) (-)

Time-->



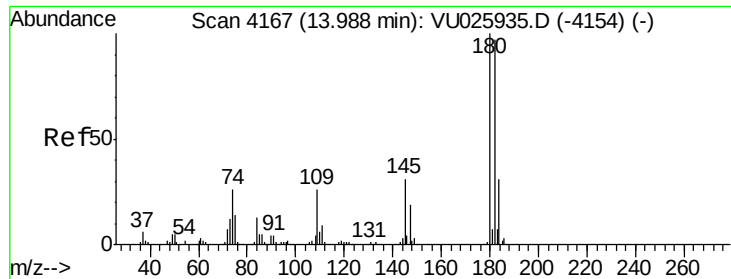
Abundance Ion 180.00 (179.70 to 180.70): VU025945.D (-3203) (-)

Ion 182.00 (181.70 to 182.70): VU025945.D (-3203) (-)

Ion 184.00 (183.70 to 184.70): VU025945.D (-3203) (-)

Ion 145.00 (144.70 to 145.70): VU025945.D (-3203) (-)

Time-->



#70
 1,2,3-Trichlorobenzene
 Concen: 2639.751 ug/L
 RT: 14.00 min Scan# 4172
 Delta R.T. 0.02 min
 Lab File: VU025945.D
 Acq: 07 Aug 2018 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA8

Tgt Ion:180 Resp:11337006
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.6 114.8
 145 32.1 25.4 38.2

