

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025962.D
 Acq On : 08 Aug 2018 01:20
 Operator : MD/SY
 Sample : J4361-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

Quant Time: Aug 08 06:49:09 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	310943	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	300691	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	160713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81331	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.40%
7) Chloroethane-d5	1.68	69	65558	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.46%
11) 1,1-Dichloroethene-d2	2.27	63	114512	34.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.62%
21) 2-Butanone-d5	4.18	46	127797	107.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.79%
24) Chloroform-d	4.65	84	169298	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
26) 1,2-Dichloroethane-d4	5.31	65	113921	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
32) Benzene-d6	5.35	84	327860	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
36) 1,2-Dichloropropane-d6	6.34	67	105265	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.57	98	303274	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.85	79	47769	44.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.42%
47) 2-Hexanone-d5	8.31	63	85767	100.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.02%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	144681	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.87	152	135398	51.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
13) Acetone	2.32	43	104569	74.507 ug/L	98
15) Methyl Acetate	2.62	43	3559	1.661 ug/L #	88
22) 2-Butanone	4.27	43	129760	73.951 ug/L	99
27) 1,2-Dichloroethane	5.41	62	4609	1.554 ug/L #	91
37) 1,2-Dichloropropane	6.34	63	12248	5.833 ug/L #	88
40) 4-Methyl-2-pentanone	7.46	43	8815	3.079 ug/L #	91
42) Toluene	7.64	91	59362	6.921 ug/L	98
51) Chlorobenzene	9.13	112	6552666	1115.646 ug/L	99
52) Ethylbenzene	9.25	91	12391	1.270 ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	371233	77.207 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	4044387	825.615 ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	4568839	947.654 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	6463	8.821 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	2225959	628.263 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	2225959	723.897 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	544048	172.688 ug/L	99

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QLast Update : Wed Aug 08 06:47:05 2018
Response via : Initial Calibration

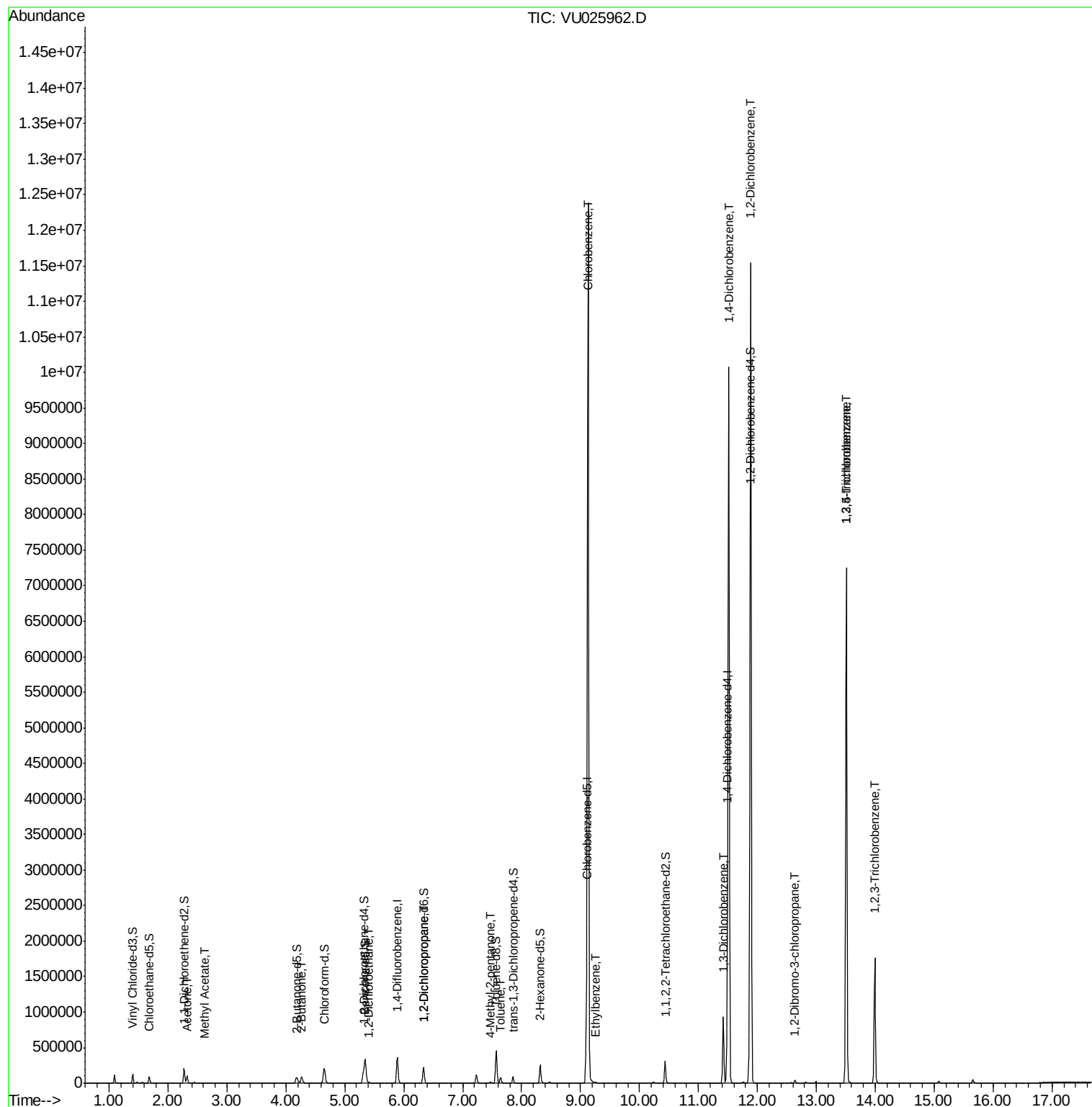
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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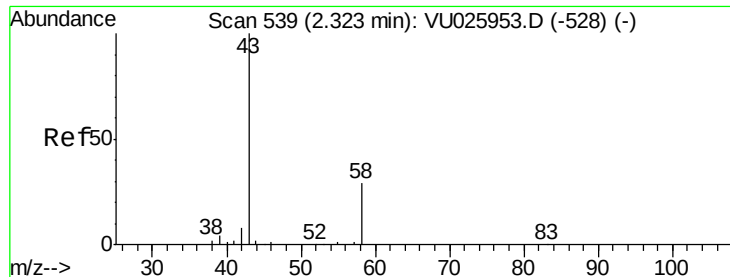
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 74.507 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

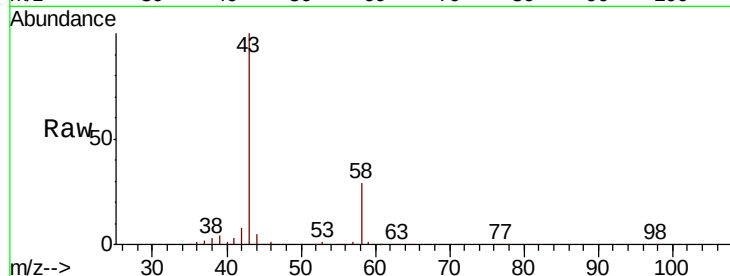
A4ZA2

Tgt Ion: 43 Resp: 104569

Ion Ratio Lower Upper

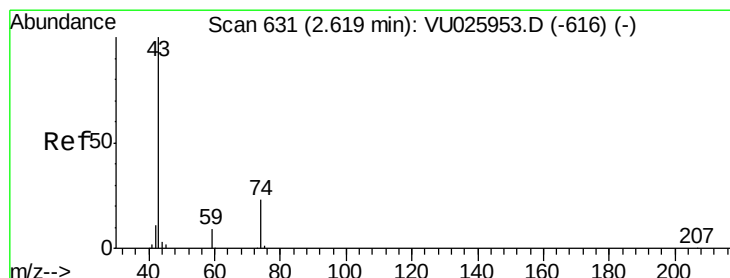
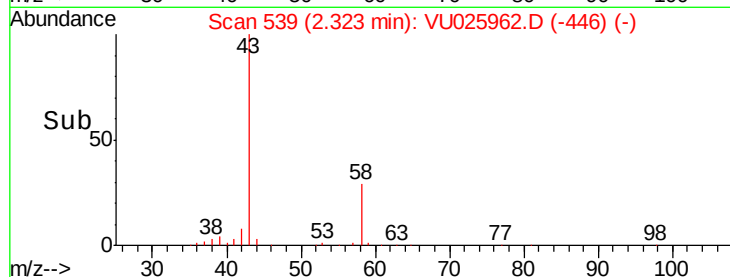
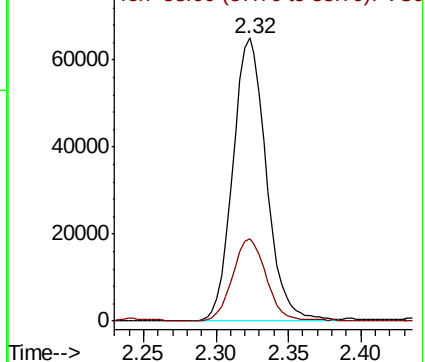
43 100

58 29.3 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 1.661 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025962.D

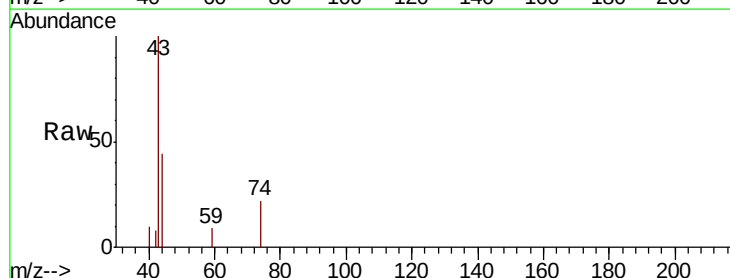
Acq: 08 Aug 2018 01:20

Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

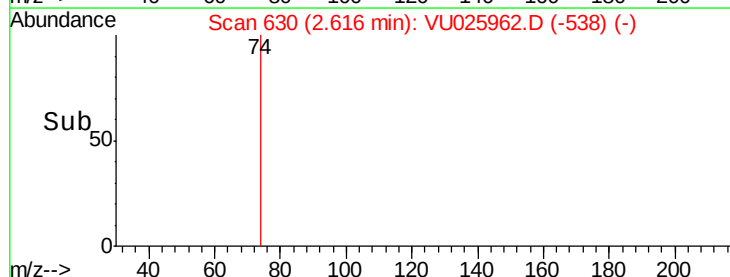
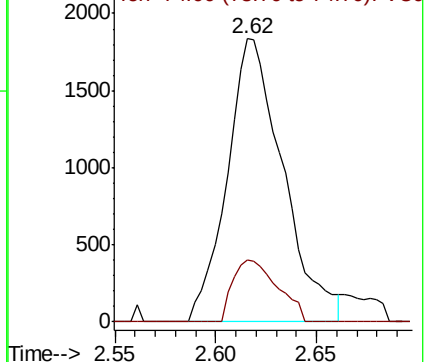
43 100

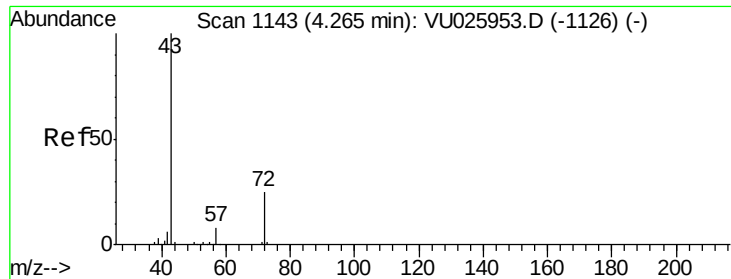
74 17.6 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#22

2-Butanone

Concen: 73.951 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

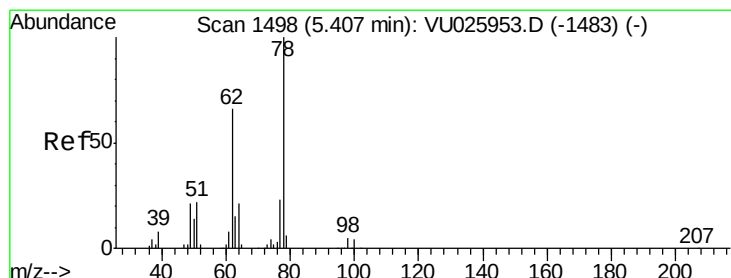
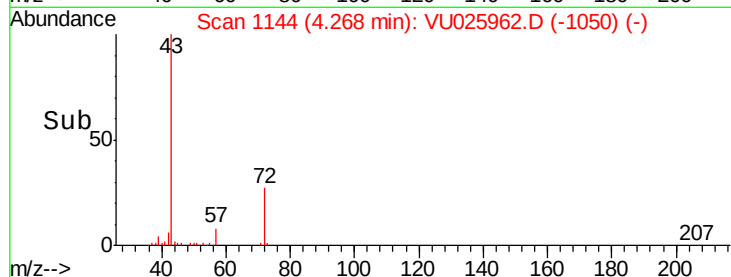
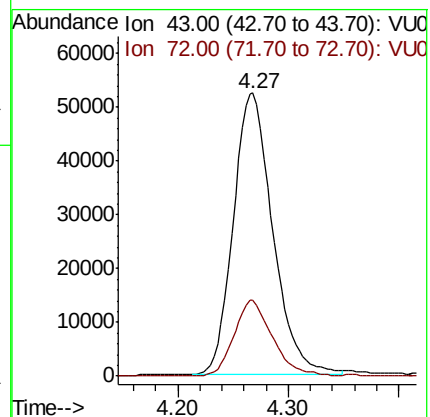
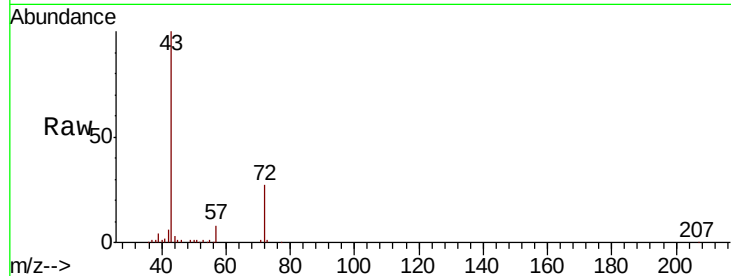
A4ZA2

Tgt Ion: 43 Resp: 129760

Ion Ratio Lower Upper

43 100

72 26.3 13.4 40.2



#27

1,2-Dichloroethane

Concen: 1.554 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU025962.D

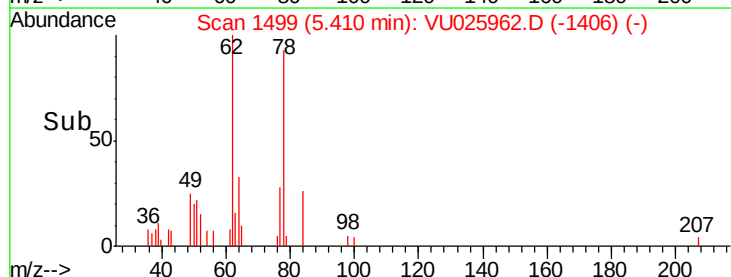
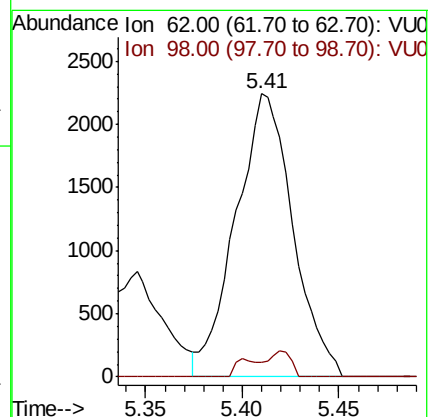
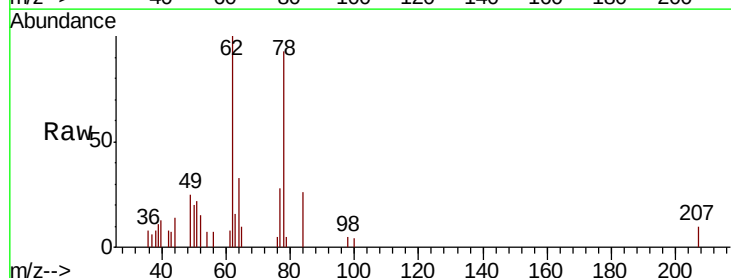
Acq: 08 Aug 2018 01:20

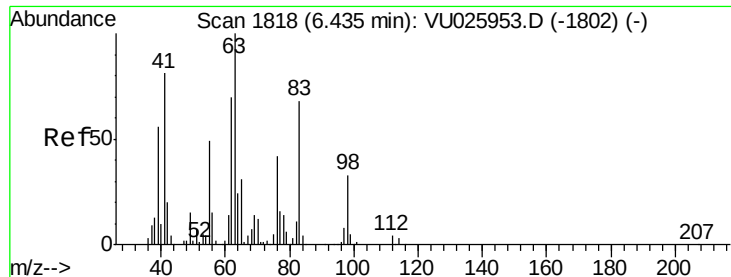
Tgt Ion: 62 Resp: 4609

Ion Ratio Lower Upper

62 100

98 5.1 6.8 10.2#

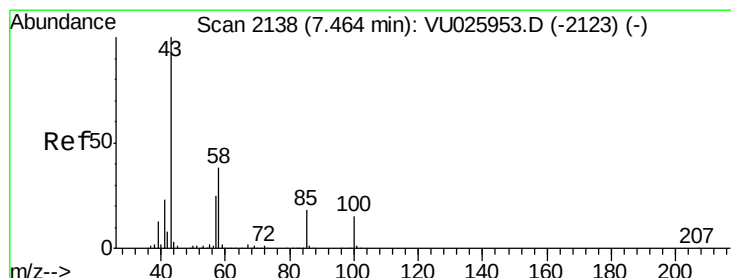
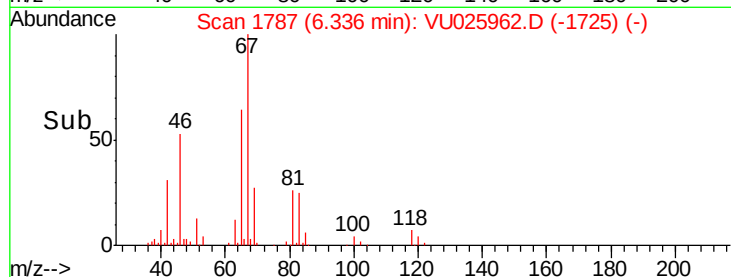
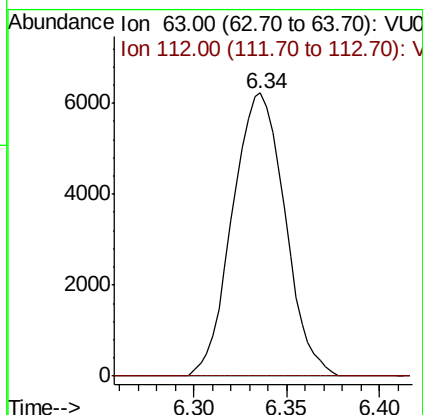
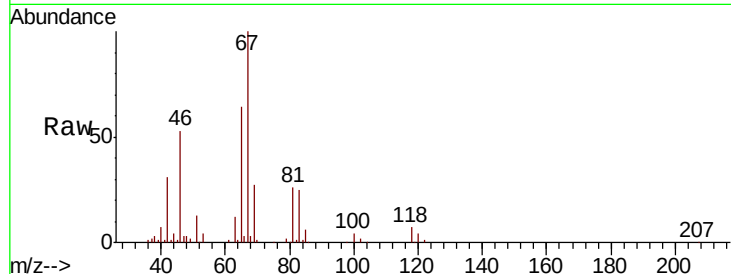




#37
 1,2-Dichloropropane
 Concen: 5.833 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

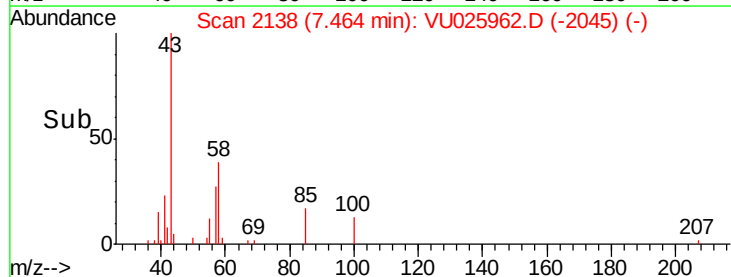
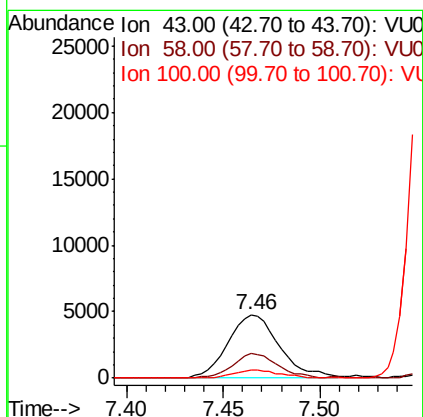
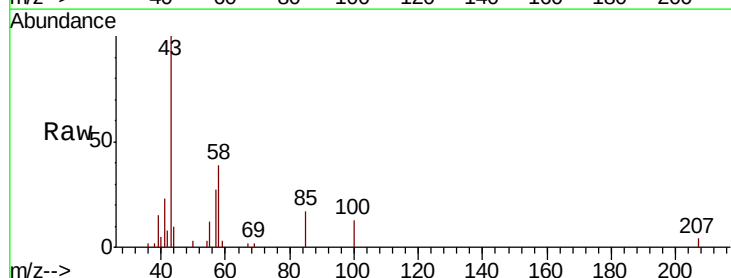
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

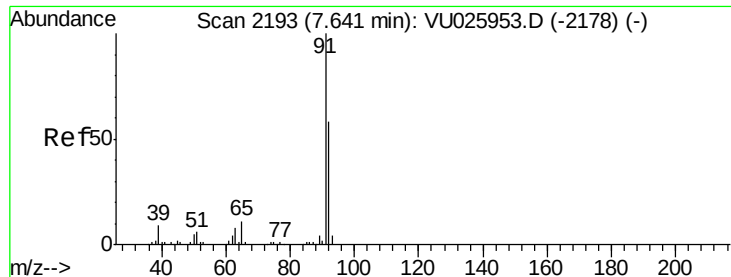
Tgt Ion: 63 Resp: 12248
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#40
 4-Methyl-2-pentanone
 Concen: 3.079 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Tgt Ion: 43 Resp: 8815
 Ion Ratio Lower Upper
 43 100
 58 33.8 31.0 46.4
 100 10.9 12.4 18.6#





#42

Toluene

Concen: 6.921 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

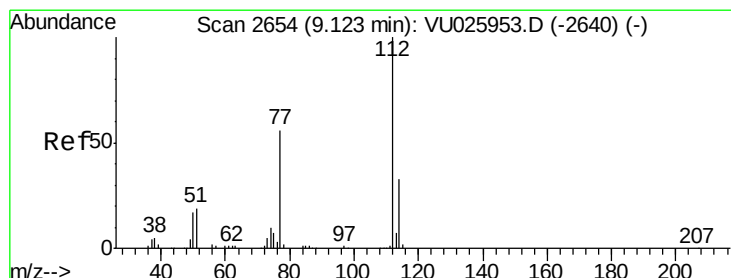
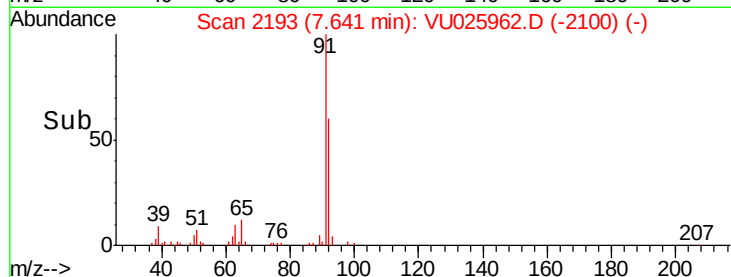
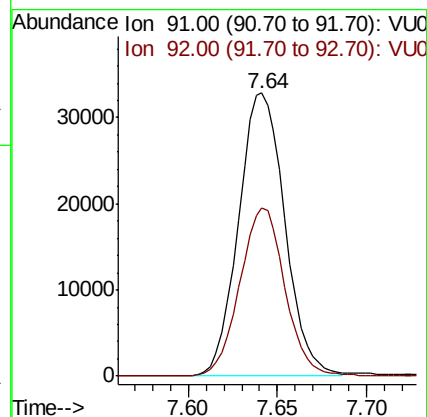
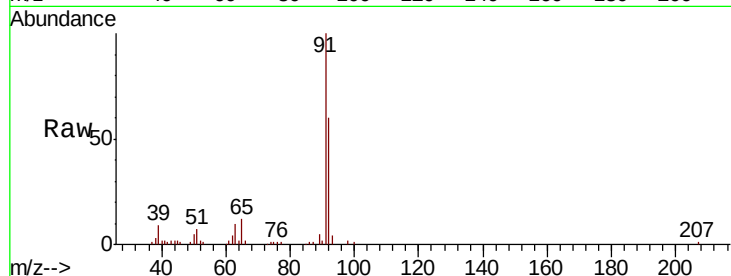
A4ZA2

Tgt Ion: 91 Resp: 59362

Ion Ratio Lower Upper

91 100

92 59.6 40.9 75.9



#51

Chlorobenzene

Concen: 1115.646 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

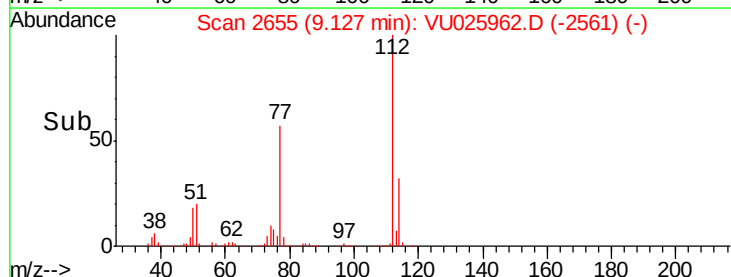
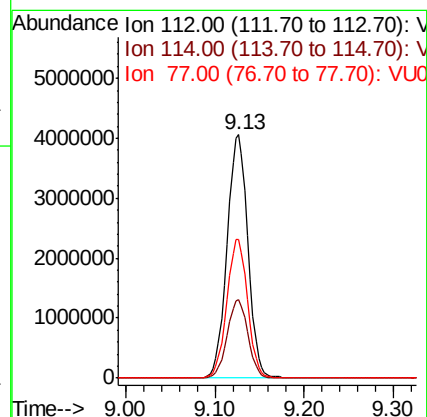
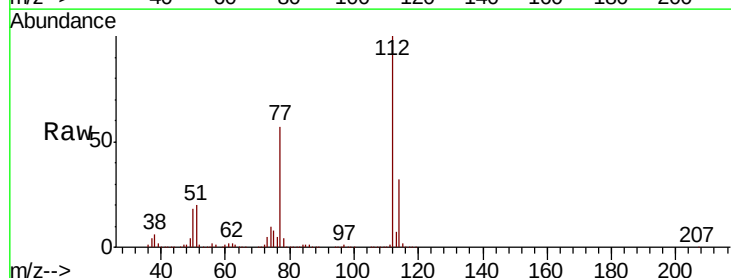
Tgt Ion: 112 Resp: 6552666

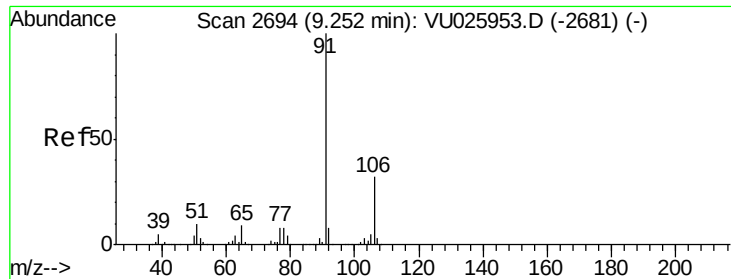
Ion Ratio Lower Upper

112 100

114 32.3 22.9 42.5

77 56.9 46.6 70.0

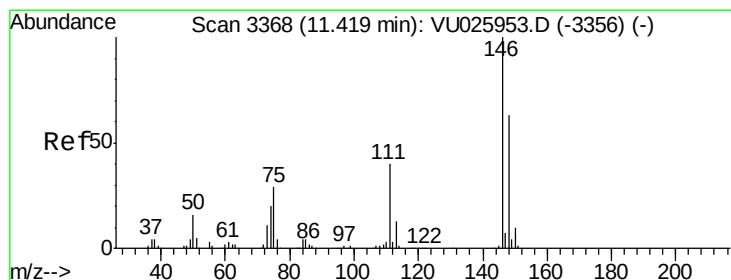
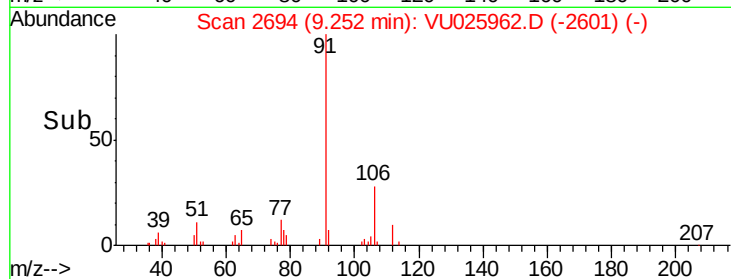
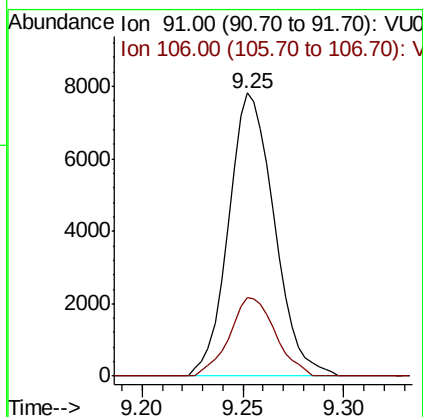
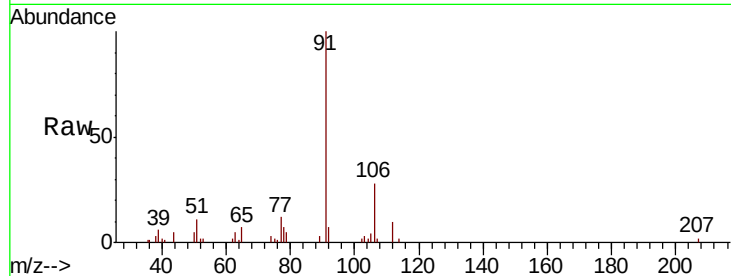




#52
Ethylbenzene
Concen: 1.270 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025962.D
Acq: 08 Aug 2018 01:20

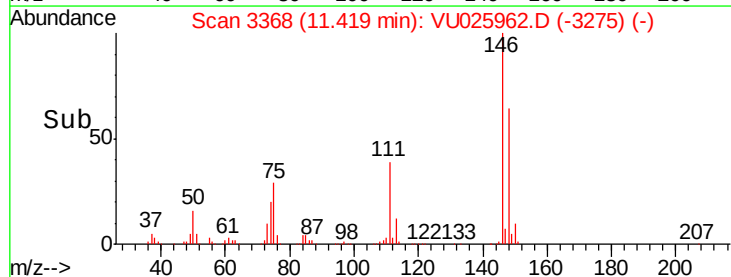
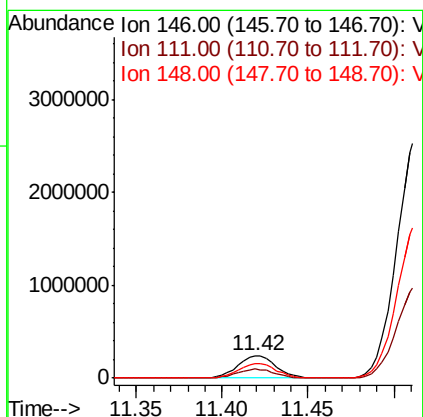
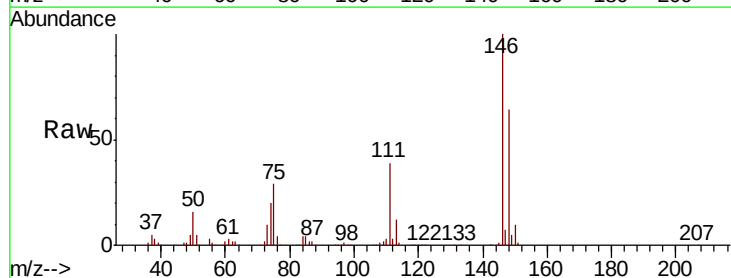
Instrument :
MSVOA_U
ClientSampleId :
A4ZA2

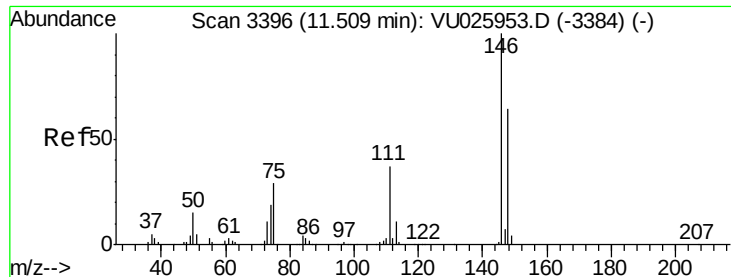
Tgt Ion: 91 Resp: 12391
Ion Ratio Lower Upper
91 100
106 27.7 22.1 41.1



#62
1,3-Dichlorobenzene
Concen: 77.207 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU025962.D
Acq: 08 Aug 2018 01:20

Tgt Ion: 146 Resp: 371233
Ion Ratio Lower Upper
146 100
111 39.3 27.5 51.1
148 63.5 44.6 82.8





#63

1,4-Dichlorobenzene

Concen: 825.615 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

Instrument :

MSVOA_U

ClientSampleId :

A4ZA2

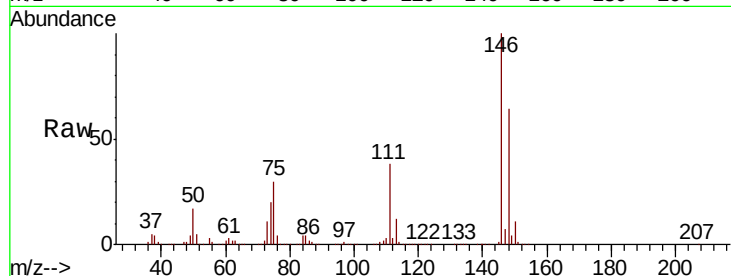
Tgt Ion:146 Resp: 4044387

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.7

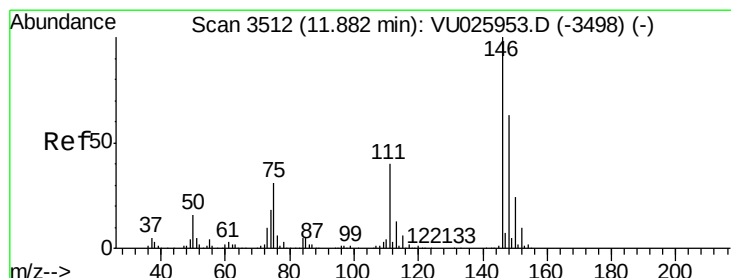
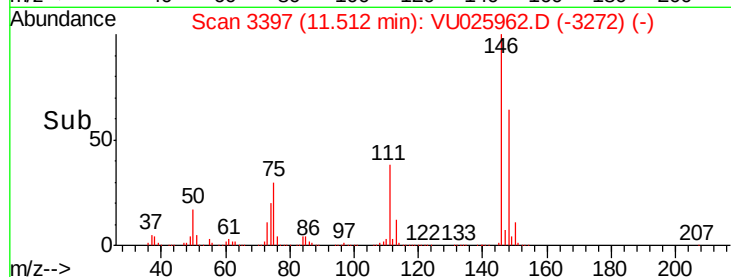
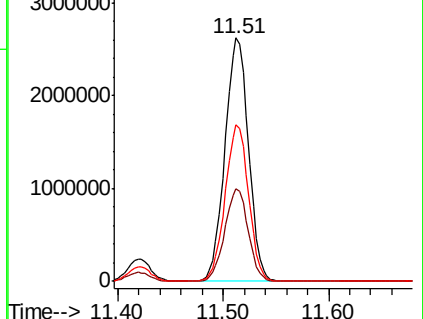
148 64.2 45.2 84.0



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: 947.654 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025962.D

Acq: 08 Aug 2018 01:20

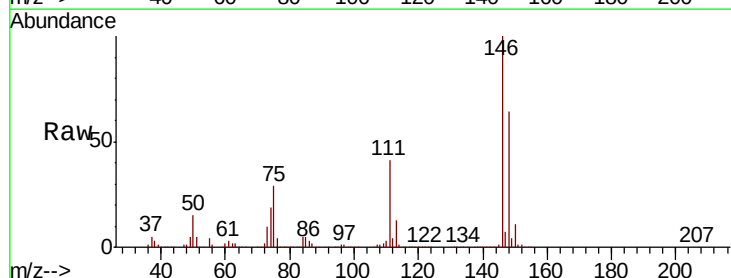
Tgt Ion:146 Resp: 4568839

Ion Ratio Lower Upper

146 100

111 41.1 33.4 50.0

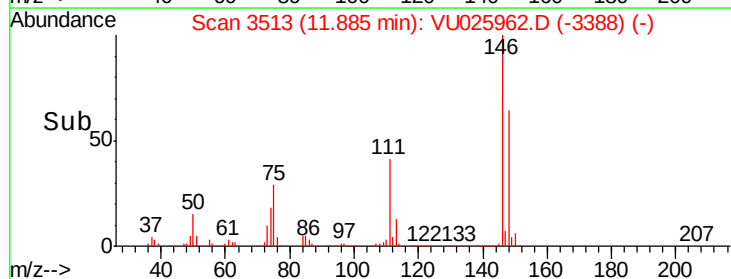
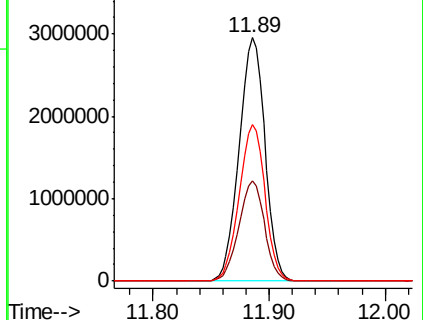
148 64.1 51.8 77.8

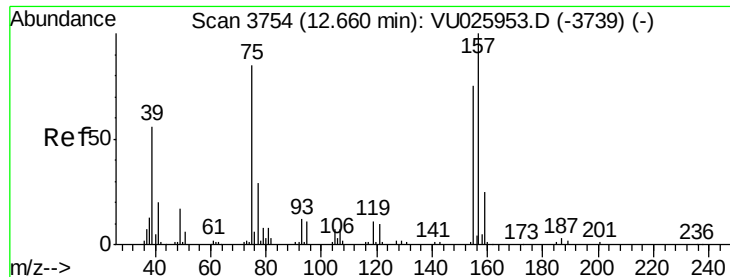


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

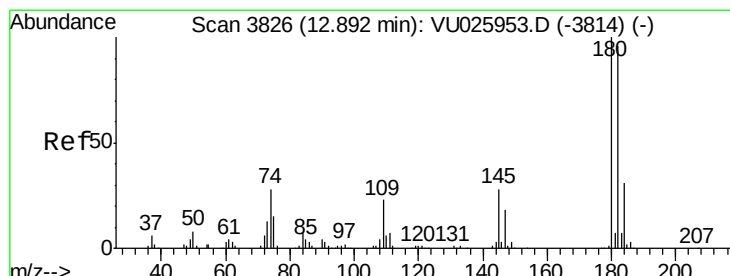
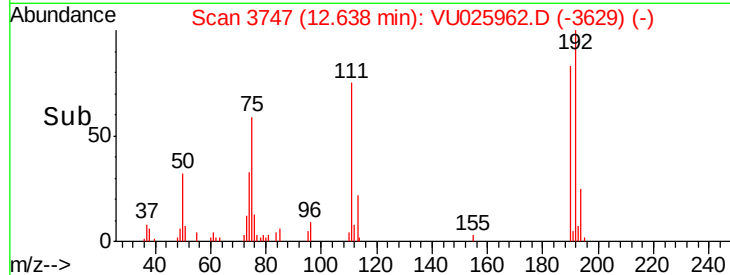
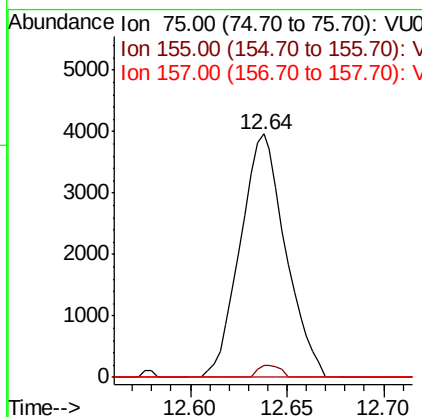
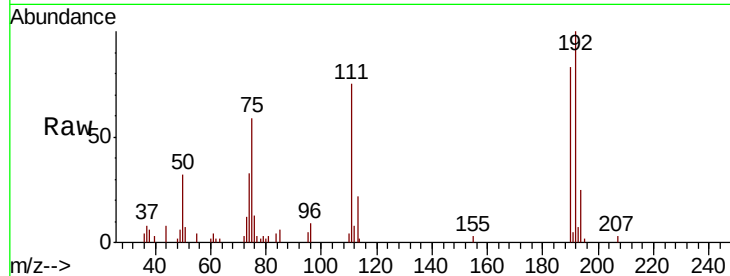




#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.821 ug/L
 RT: 12.64 min Scan# 3747
 Delta R.T. -0.02 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

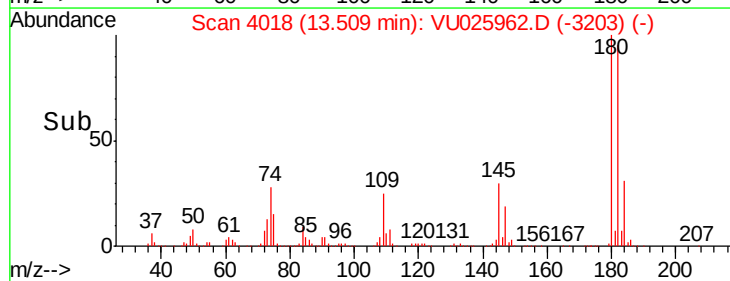
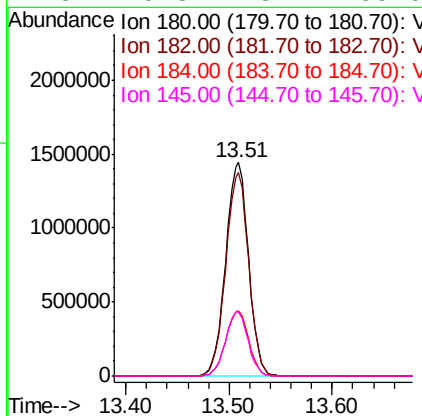
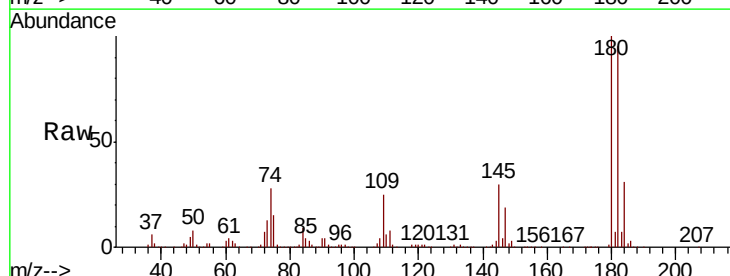
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

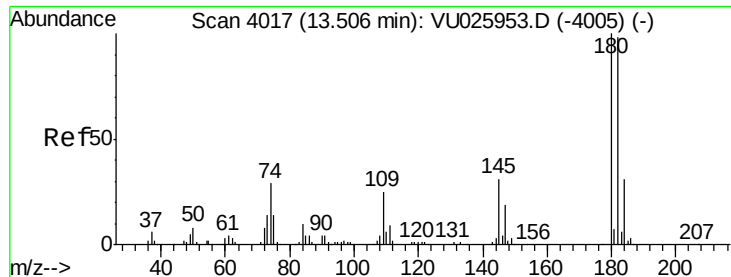
Tgt Ion: 75 Resp: 6463
 Ion Ratio Lower Upper
 75 100
 155 4.7 71.4 107.2#
 157 0.0 92.0 138.0#



#67
 1,3,5-Trichlorobenzene
 Concen: 628.263 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Tgt Ion: 180 Resp: 2225959
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.8 116.6
 184 30.7 24.6 37.0
 145 29.8 23.4 35.0

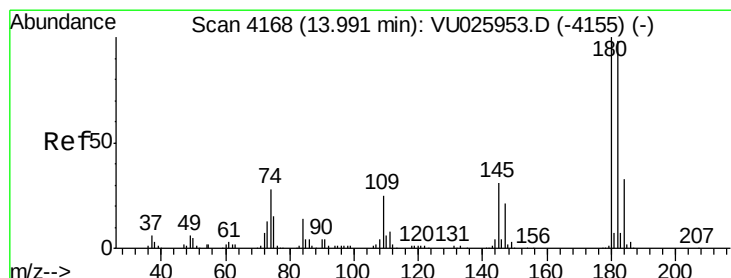
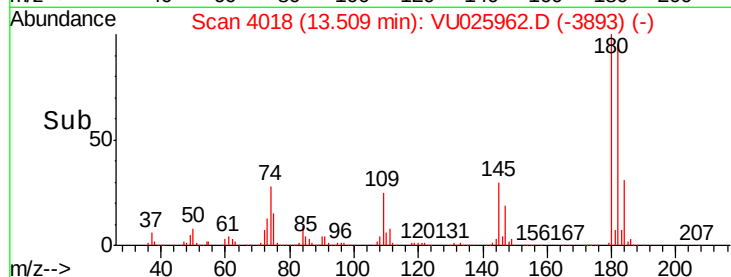
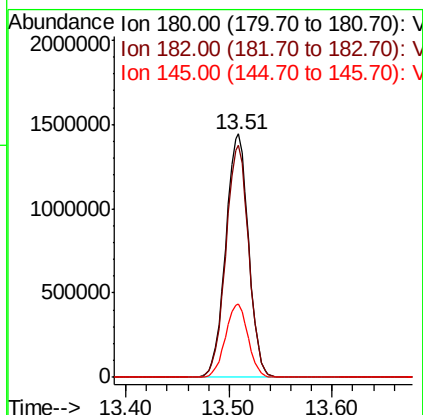
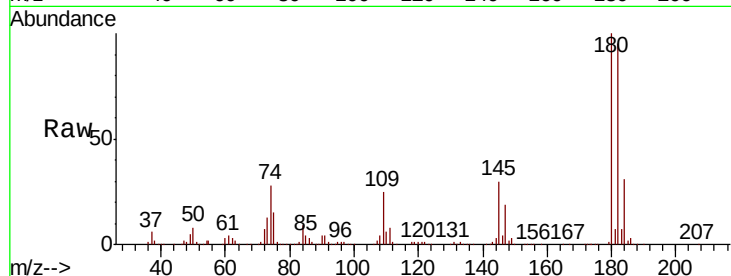




#68
 1,2,4-trichlorobenzene
 Concen: 723.897 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA2

Tgt Ion:180 Resp: 2225959
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.3 112.9
 145 29.8 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 172.688 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025962.D
 Acq: 08 Aug 2018 01:20

Tgt Ion:180 Resp: 544048
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.6 116.4
 145 31.2 25.3 37.9

