

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025941.D
 Acq On : 07 Aug 2018 15:38
 Operator : MD/SY
 Sample : J4363-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4

Quant Time: Aug 08 04:22:00 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	383709	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	363152	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	208096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	108061	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.64%
7) Chloroethane-d5	1.68	69	83514	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.74%
11) 1,1-Dichloroethene-d2	2.27	63	155302	37.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.42%
21) 2-Butanone-d5	4.18	46	151188	103.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.34%
24) Chloroform-d	4.65	84	210534	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
26) 1,2-Dichloroethane-d4	5.31	65	139731	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.35	84	421637	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
36) 1,2-Dichloropropane-d6	6.34	67	131892	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.00%
41) Toluene-d8	7.57	98	397945	51.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.48%
43) trans-1,3-Dichloropropene-	7.85	79	67911	52.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.08%
47) 2-Hexanone-d5	8.31	63	106737	103.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173491	50.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.64%
64) 1,2-Dichlorobenzene-d4	11.87	152	182374	53.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.10%

Target Compounds

					Qvalue
13) Acetone	2.32	43	106430	61.452 ug/L	100
22) 2-Butanone	4.27	43	135866	62.747 ug/L	98
27) 1,2-Dichloroethane	5.41	62	5515	1.507 ug/L #	95
37) 1,2-Dichloropropane	6.33	63	15597	6.150 ug/L #	88
40) 4-Methyl-2-pentanone	7.46	43	11199	3.238 ug/L #	94
42) Toluene	7.64	91	72928	7.040 ug/L	99
51) Chlorobenzene	9.13	112	8653598	1219.936 ug/L	99
52) Ethylbenzene	9.26	91	18838	1.598 ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	610626	98.079 ug/L	98
63) 1,4-Dichlorobenzene	11.52	146	6384644	1006.581 ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	6512034	1043.153 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	11912	12.556 ug/L #	3
67) 1,3,5-Trichlorobenzene	13.51	180	4286405	934.339 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4286405	1076.565 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	980128	240.267 ug/L	99

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QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration

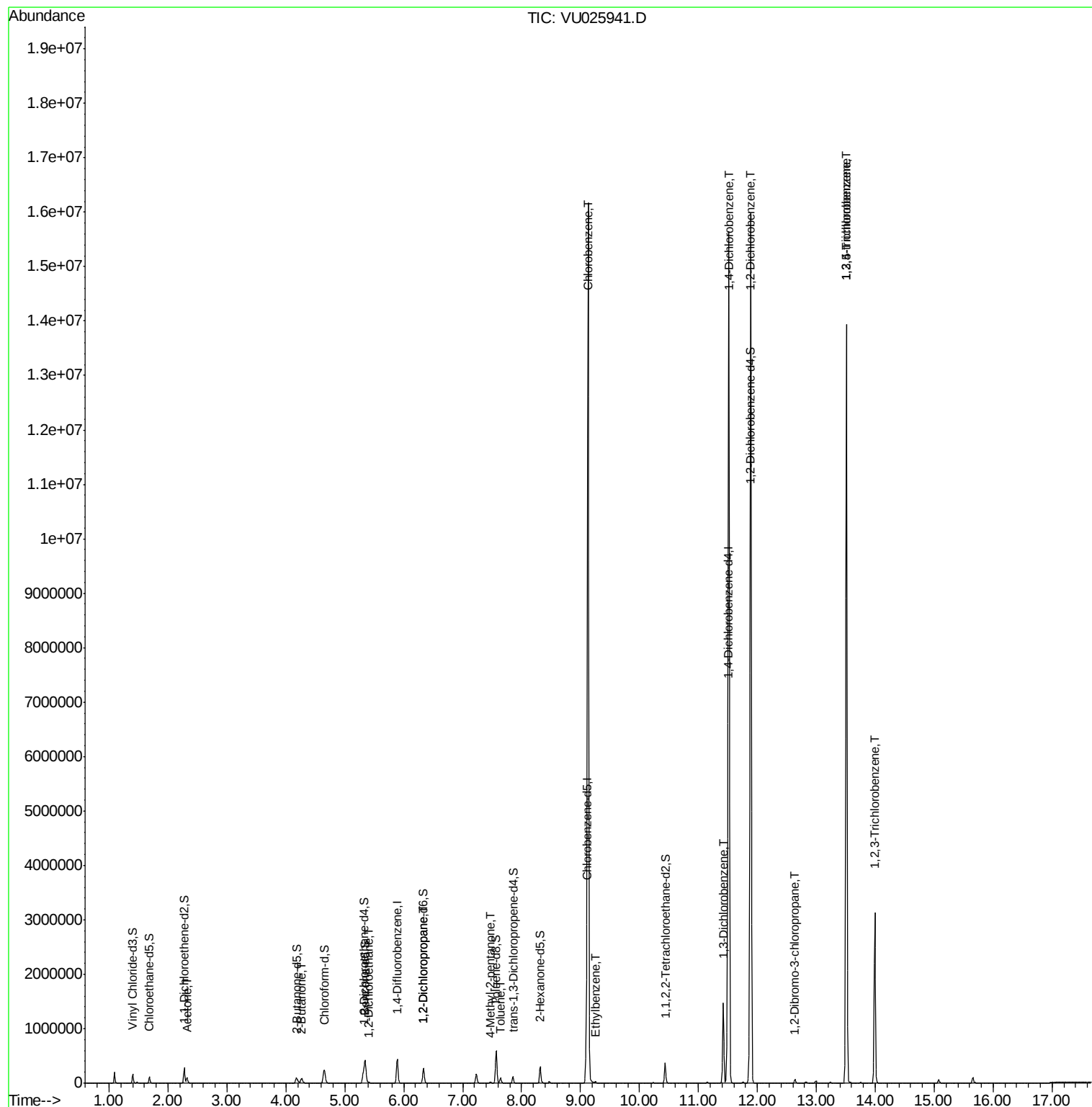
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

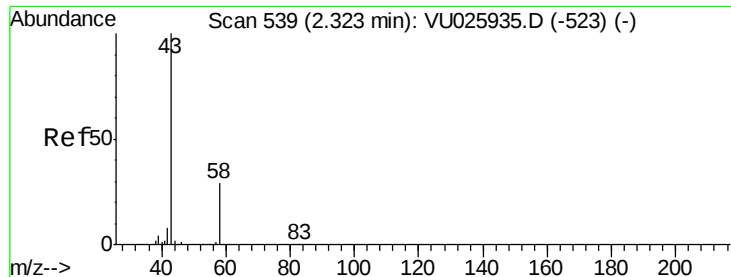
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
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#13

Acetone

Concen: 61.452 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

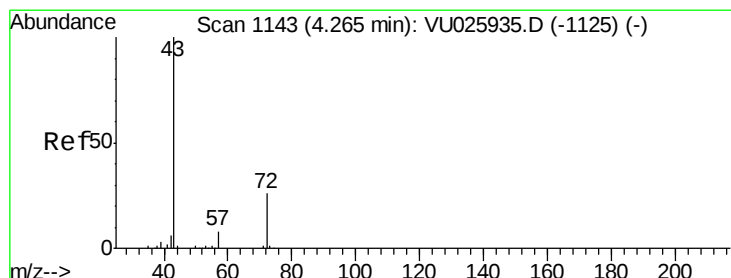
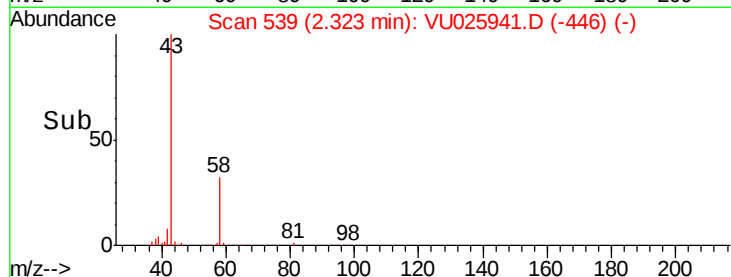
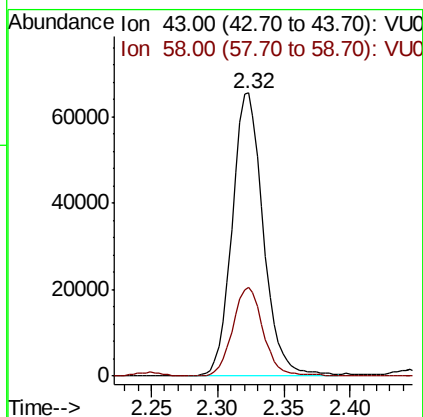
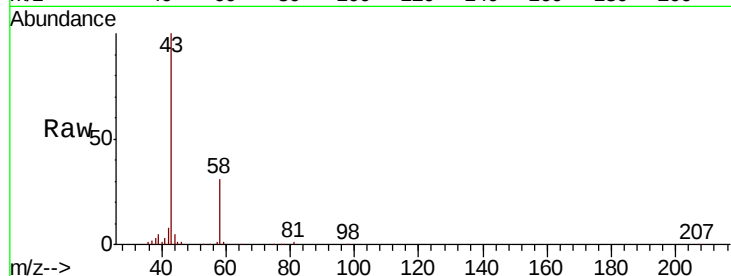
A4ZA4

Tgt Ion: 43 Resp: 106430

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#22

2-Butanone

Concen: 62.747 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025941.D

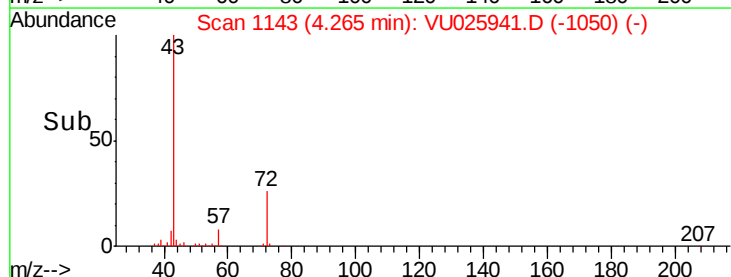
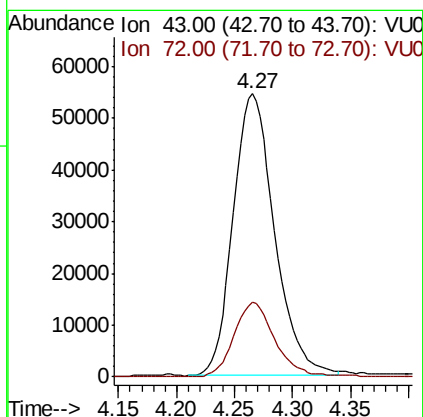
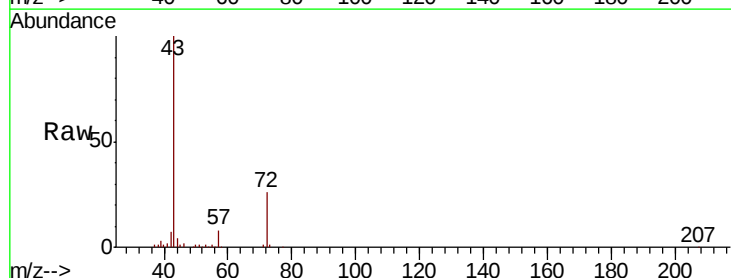
Acq: 07 Aug 2018 15:38

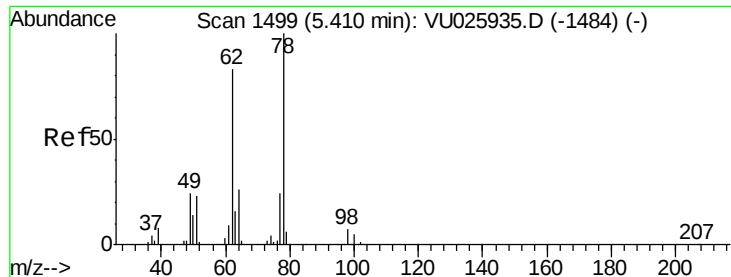
Tgt Ion: 43 Resp: 135866

Ion Ratio Lower Upper

43 100

72 26.0 13.6 40.8

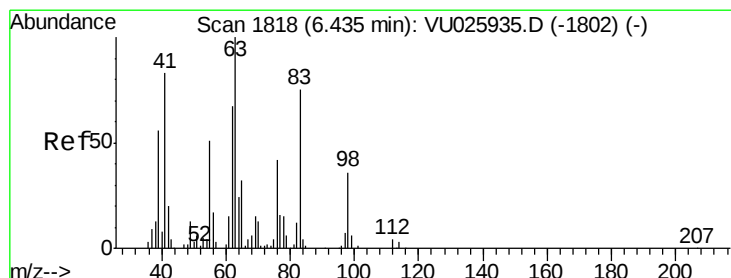
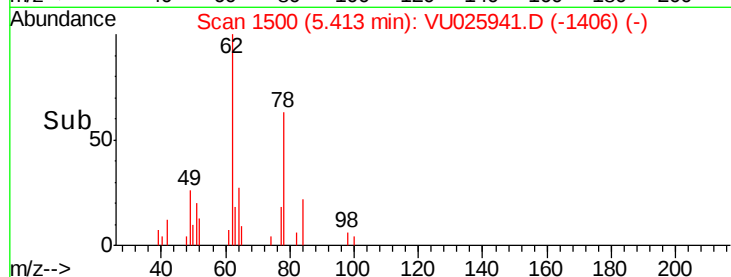
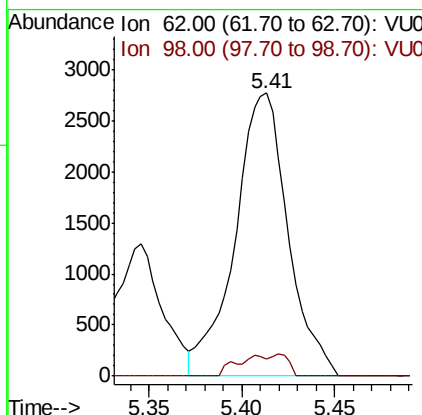
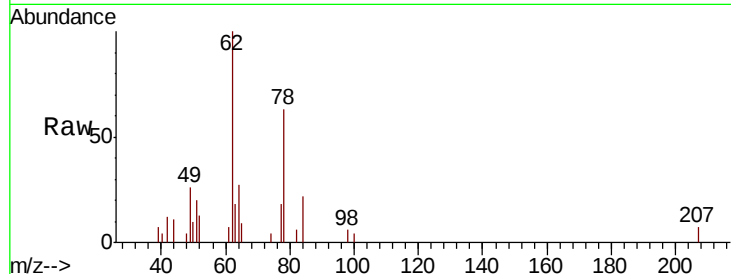




#27
 1,2-Dichloroethane
 Concen: 1.507 ug/L
 RT: 5.41 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

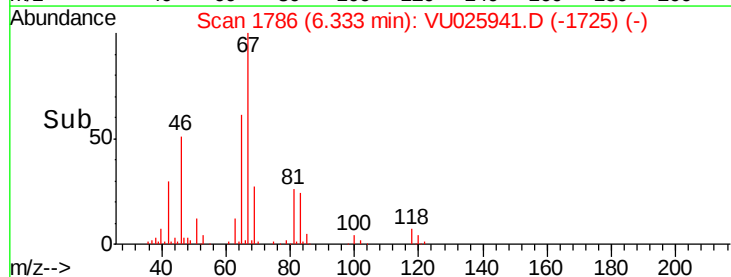
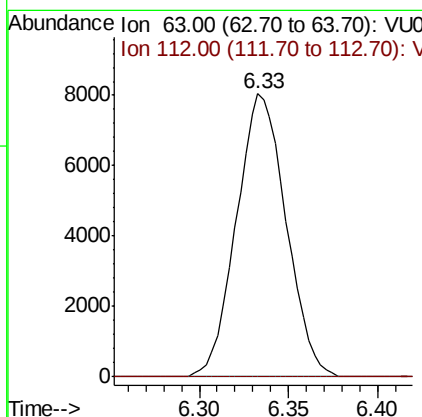
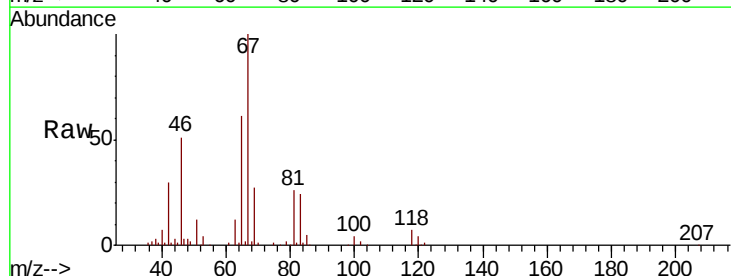
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4

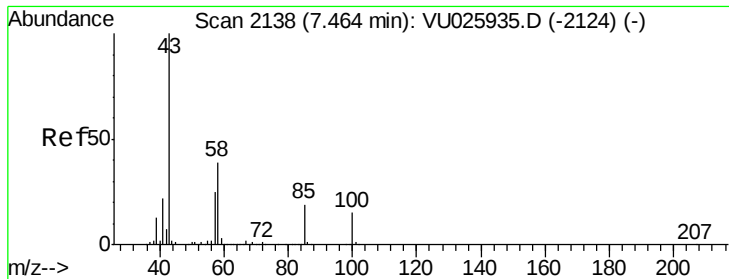
Tgt Ion: 62 Resp: 5515
 Ion Ratio Lower Upper
 62 100
 98 6.3 6.5 9.7#



#37
 1,2-Dichloropropane
 Concen: 6.150 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

Tgt Ion: 63 Resp: 15597
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#

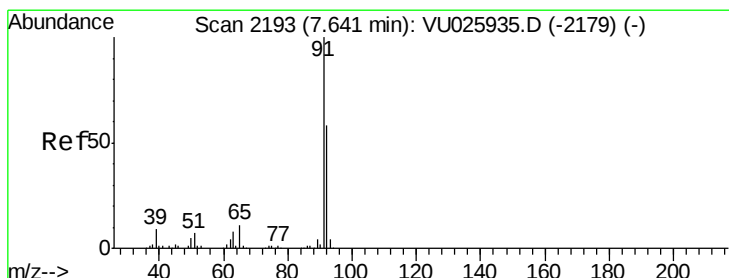
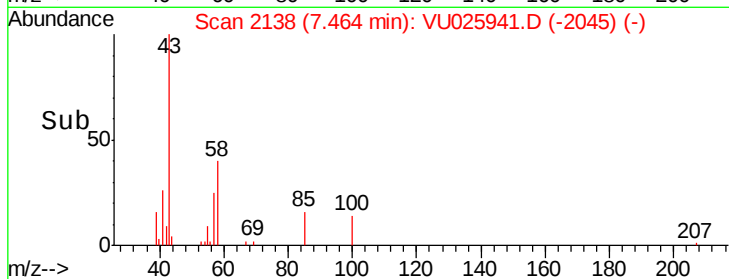
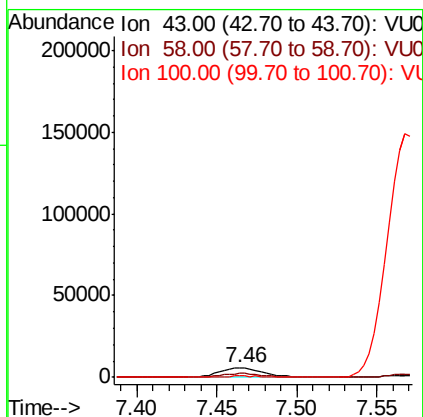
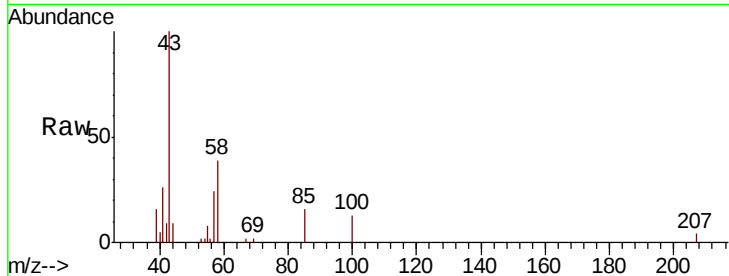




#40
 4-Methyl-2-pentanone
 Concen: 3.238 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

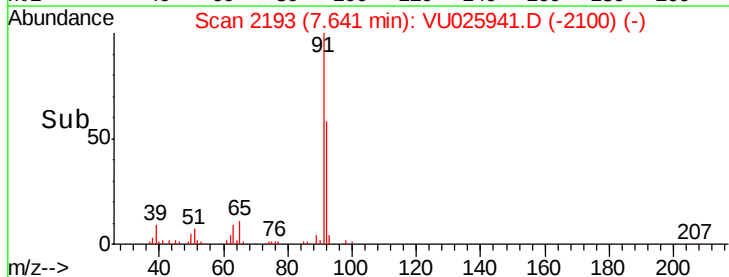
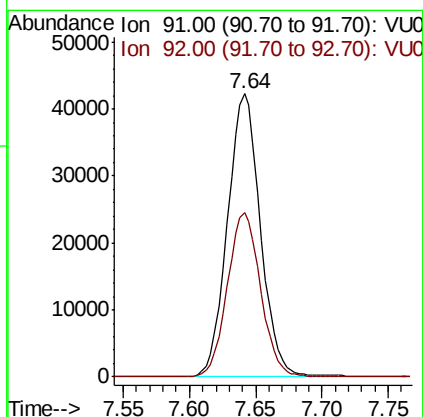
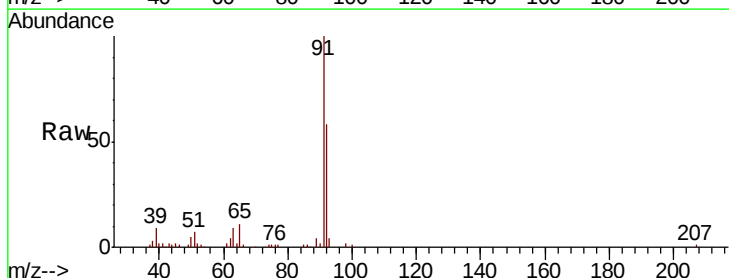
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4

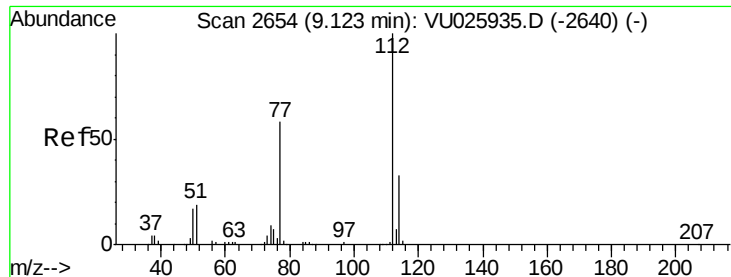
Tgt Ion: 43 Resp: 11199
 Ion Ratio Lower Upper
 43 100
 58 37.1 30.8 46.2
 100 8.4 12.1 18.1#



#42
 Toluene
 Concen: 7.040 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

Tgt Ion: 91 Resp: 72928
 Ion Ratio Lower Upper
 91 100
 92 57.9 40.0 74.2





#51

Chlorobenzene

Concen: 1219.936 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

A4ZA4

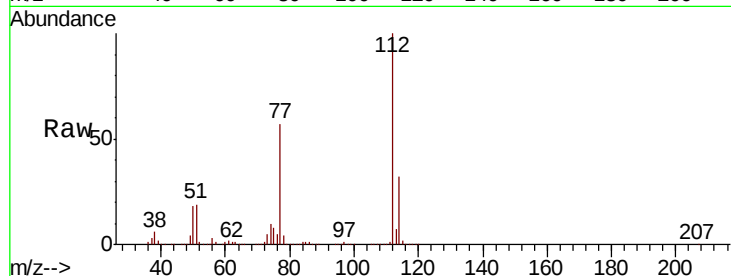
Tgt Ion: 112 Resp: 8653598

Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.9

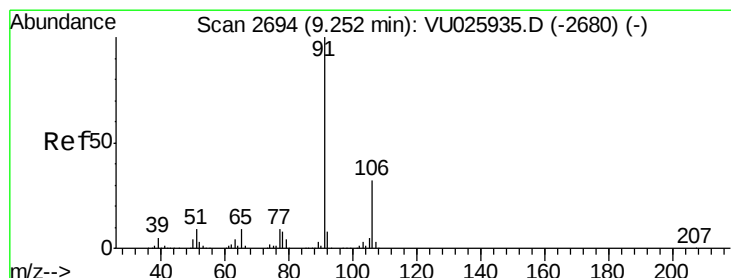
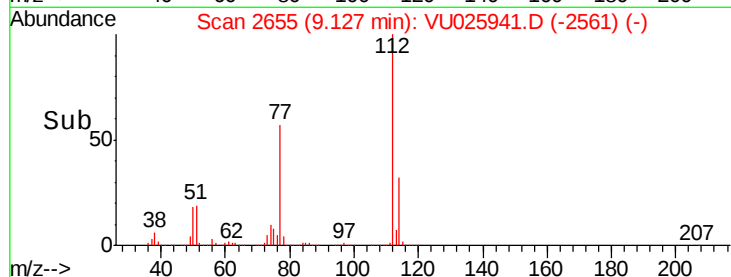
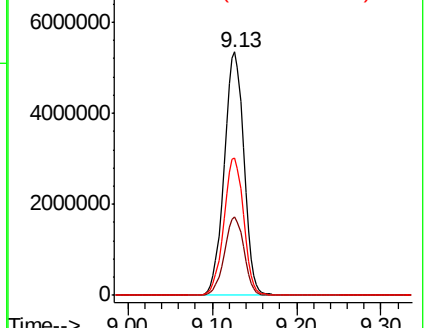
77 56.6 45.8 68.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.598 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025941.D

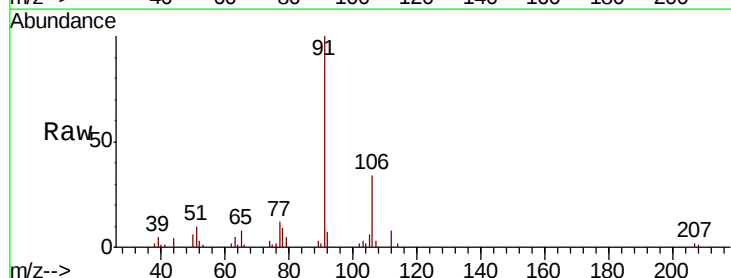
Acq: 07 Aug 2018 15:38

Tgt Ion: 91 Resp: 18838

Ion Ratio Lower Upper

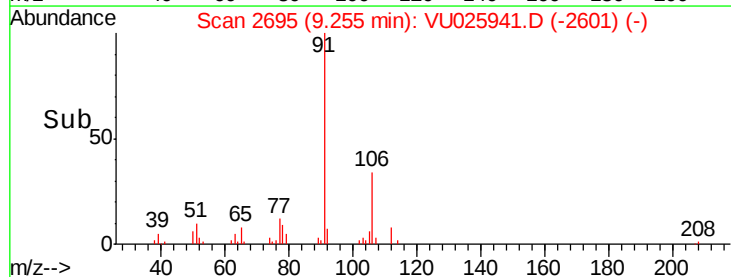
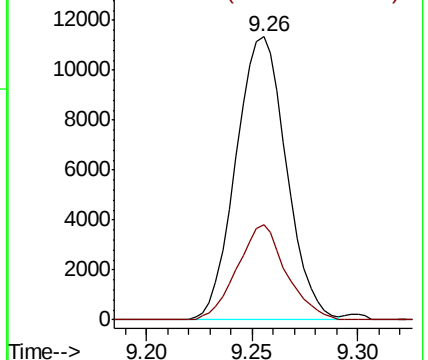
91 100

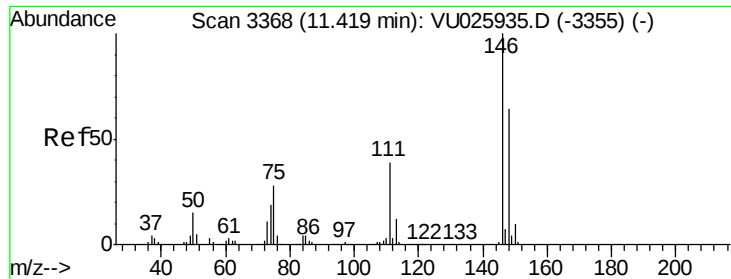
106 33.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#62

1,3-Dichlorobenzene

Concen: 98.079 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

A4ZA4

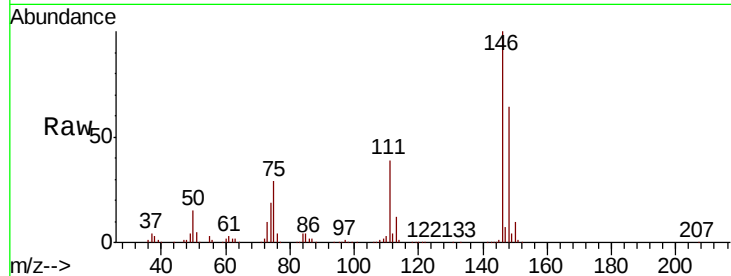
Tgt Ion:146 Resp: 610626

Ion Ratio Lower Upper

146 100

111 38.9 27.7 51.5

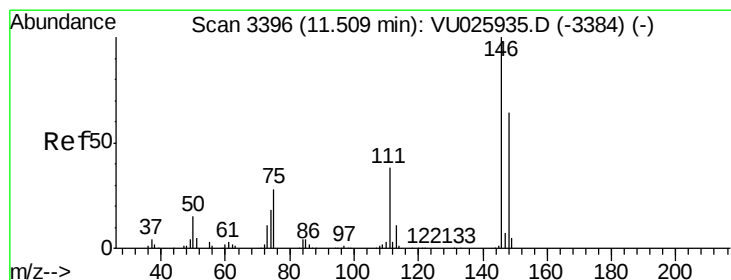
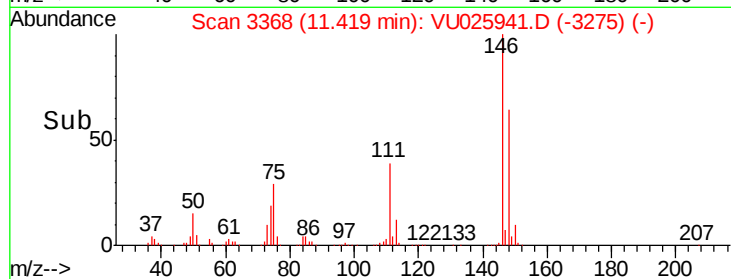
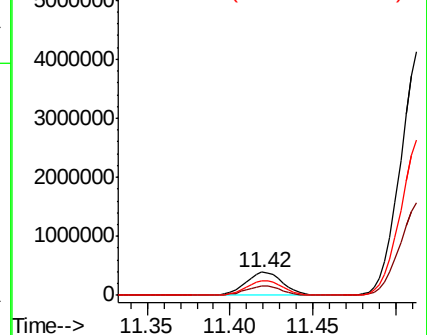
148 63.6 45.5 84.5



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: 1006.581 ug/L

RT: 11.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

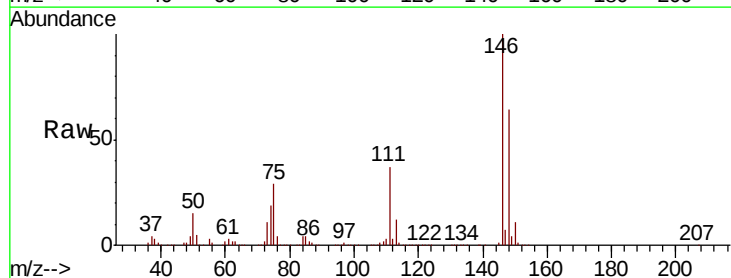
Tgt Ion:146 Resp: 6384644

Ion Ratio Lower Upper

146 100

111 37.5 26.9 49.9

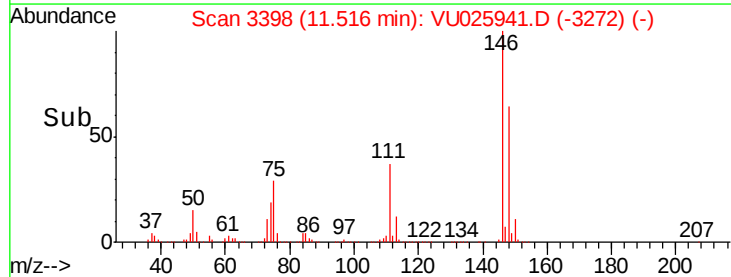
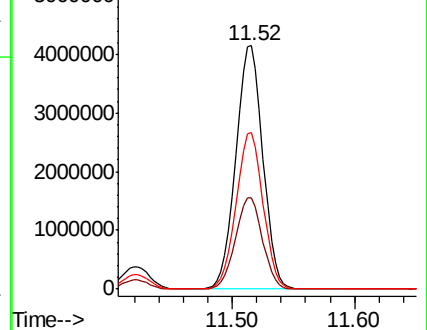
148 64.3 44.6 82.8

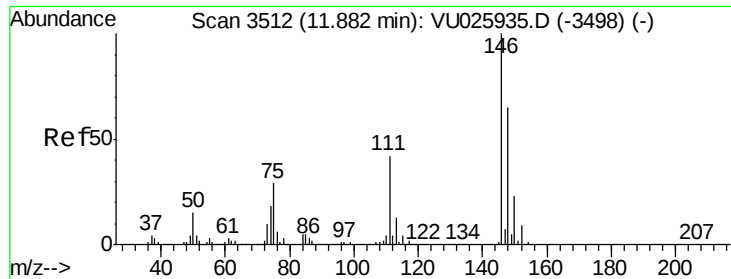


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1043.153 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

A4ZA4

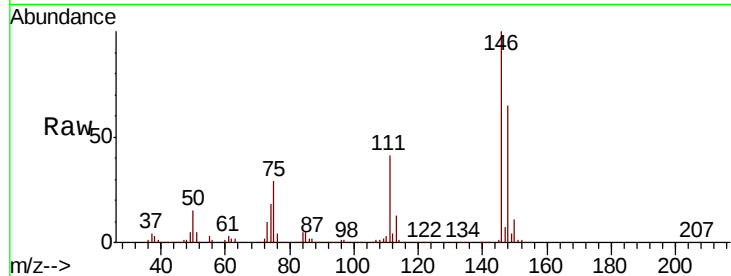
Tgt Ion:146 Resp: 6512034

Ion Ratio Lower Upper

146 100

111 40.9 32.4 48.6

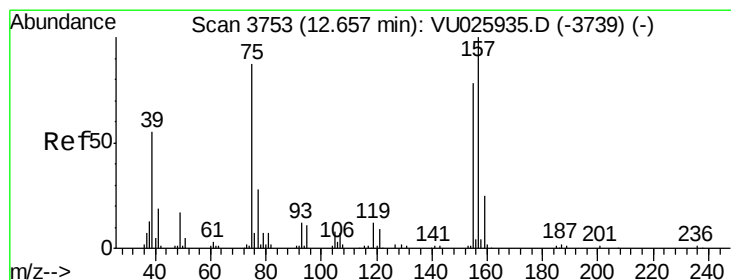
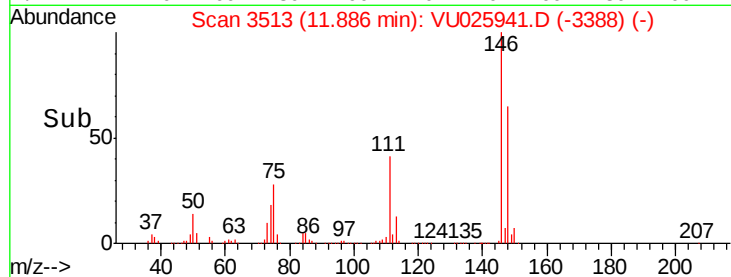
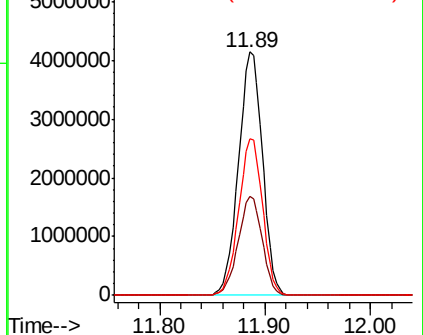
148 64.6 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 12.556 ug/L

RT: 12.64 min Scan# 3747

Delta R.T. -0.02 min

Lab File: VU025941.D

Acq: 07 Aug 2018 15:38

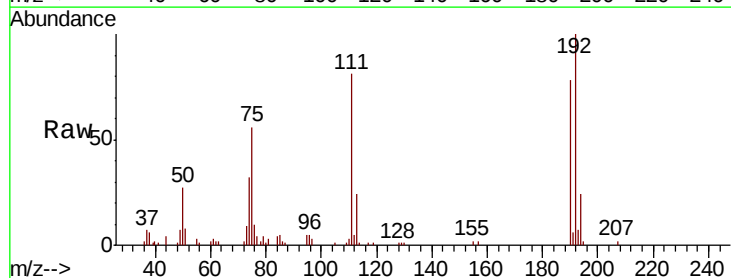
Tgt Ion: 75 Resp: 11912

Ion Ratio Lower Upper

75 100

155 2.9 66.3 99.5#

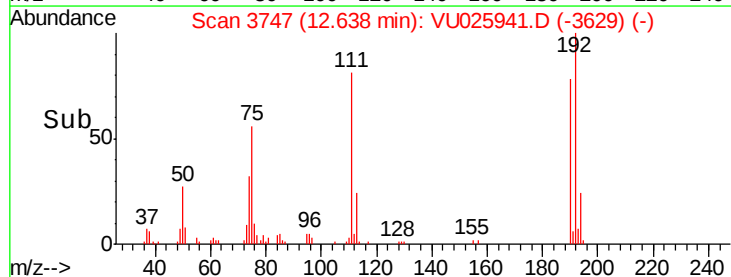
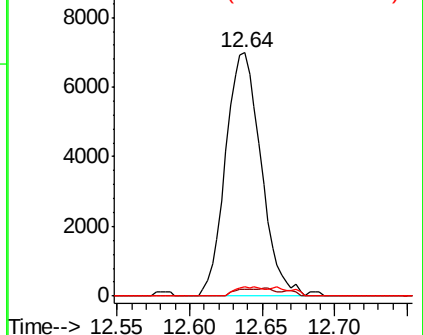
157 3.6 91.5 137.3#

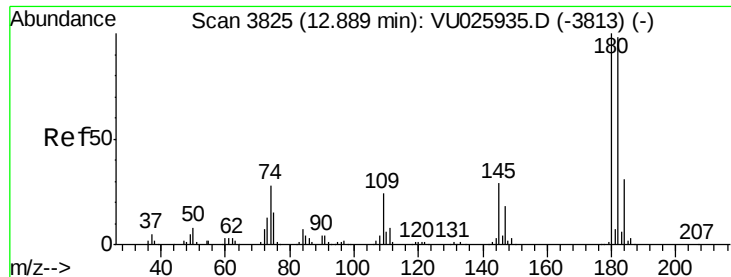


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

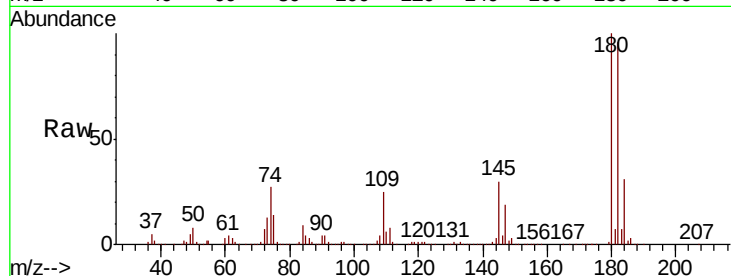




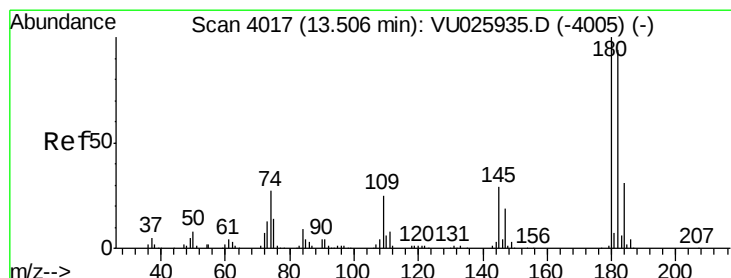
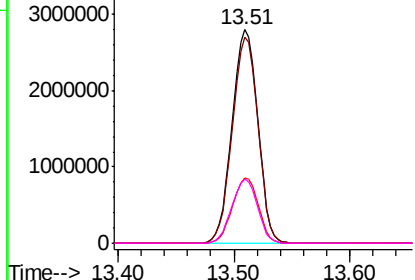
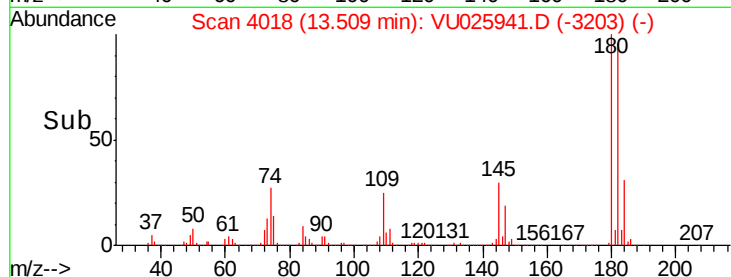
#67
 1,3,5-Trichlorobenzene
 Concen: 934.339 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4

Tgt Ion:180 Resp: 4286405
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.3 115.9
 184 30.8 24.6 36.8
 145 29.8 23.0 34.6

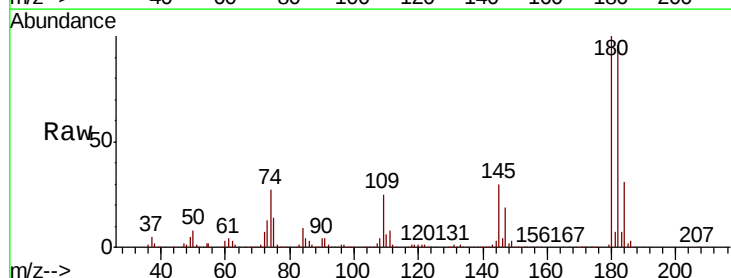


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

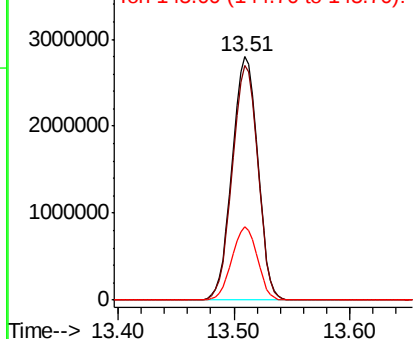
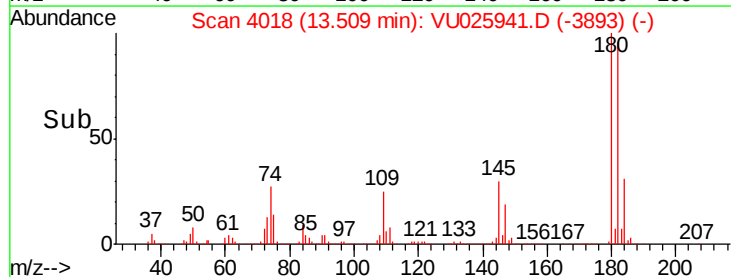


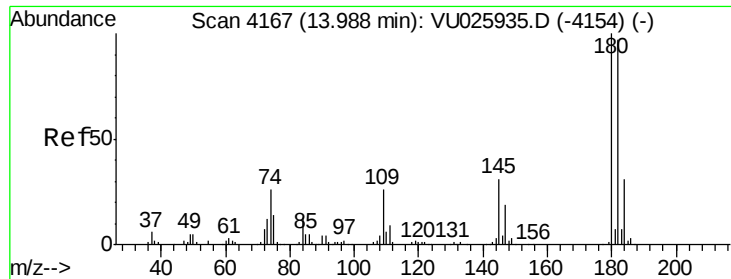
#68
 1,2,4-trichlorobenzene
 Concen: 1076.565 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

Tgt Ion:180 Resp: 4286405
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.1 117.1
 145 29.8 23.4 35.2



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

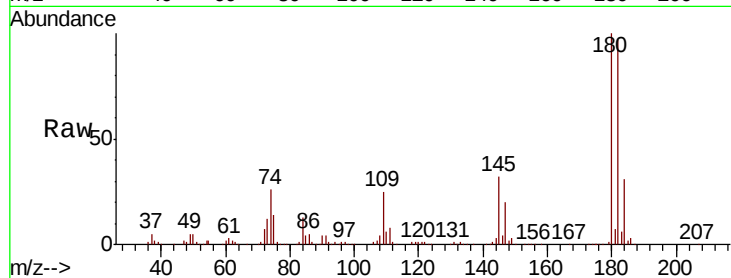




#70
 1,2,3-Trichlorobenzene
 Concen: 240.267 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025941.D
 Acq: 07 Aug 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.6	114.8
145	31.7	25.4	38.2



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

