

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
 Data File : VU025966.D
 Acq On : 08 Aug 2018 02:58
 Operator : MD/SY
 Sample : J4361-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Quant Time: Aug 08 06:49:36 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	308199	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	297585	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	164397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77863	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.18%
7) Chloroethane-d5	1.68	69	64409	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.58%
11) 1,1-Dichloroethene-d2	2.27	63	107775	32.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.16%
21) 2-Butanone-d5	4.18	46	127065	108.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.13%
24) Chloroform-d	4.65	84	167141	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.31	65	111750	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.35	84	327401	49.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.82%
36) 1,2-Dichloropropane-d6	6.33	67	102455	50.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.48%
41) Toluene-d8	7.57	98	301960	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%
43) trans-1,3-Dichloropropene-	7.85	79	48333	45.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.40%
47) 2-Hexanone-d5	8.31	63	84572	99.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.65%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	145240	51.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.82%
64) 1,2-Dichlorobenzene-d4	11.87	152	136676	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%

Target Compounds

					Qvalue
13) Acetone	2.32	43	83754	60.207 ug/L	99
15) Methyl Acetate	2.62	43	3535	1.664 ug/L	99
22) 2-Butanone	4.27	43	101994	58.644 ug/L	98
27) 1,2-Dichloroethane	5.41	62	4156	1.414 ug/L #	95
35) Methylcyclohexane	6.34	83	25030	7.639 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	11517	5.542 ug/L #	88
40) 4-Methyl-2-pentanone	7.46	43	8474	2.990 ug/L	91
42) Toluene	7.64	91	48618	5.727 ug/L	96
51) Chlorobenzene	9.13	112	8176719	1406.685 ug/L	99
52) Ethylbenzene	9.25	91	16922	1.752 ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	596722	121.322 ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	5506764	1098.951 ug/L	100
65) 1,2-Dichlorobenzene	11.89	146	5667504	1149.193 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	9325	12.442 ug/L #	2
67) 1,3,5-Trichlorobenzene	13.51	180	3562857	983.059 ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	3562857	1132.701 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	800961	248.538 ug/L	100

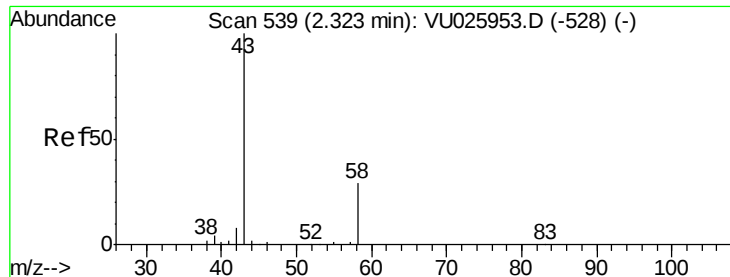
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080718\
Data File : VU025966.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#13

Acetone

Concen: 60.207 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

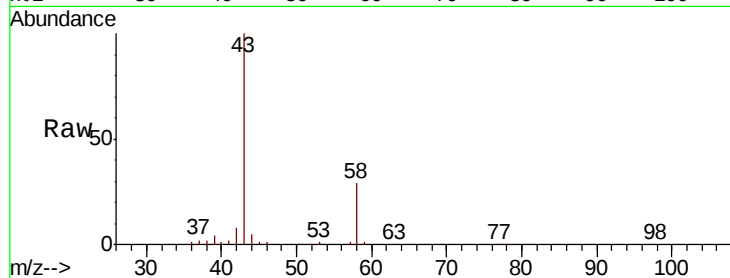
A4ZA7

Tgt Ion: 43 Resp: 83754

Ion Ratio Lower Upper

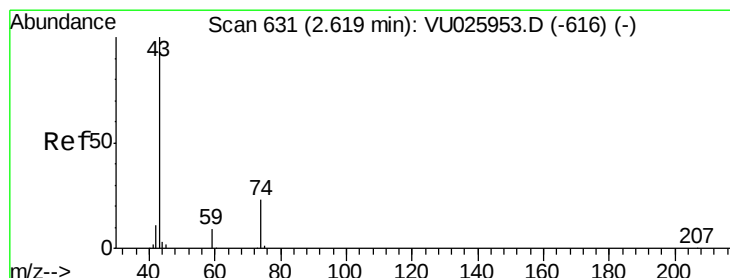
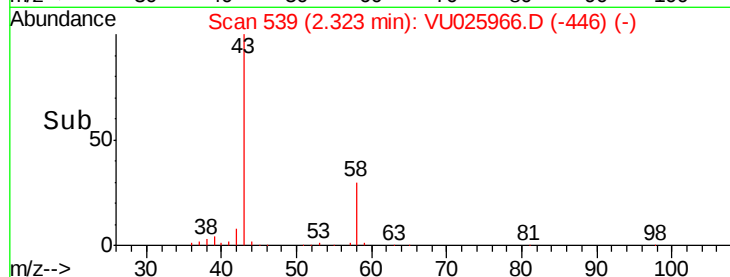
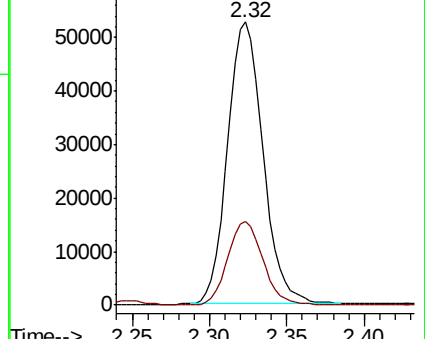
43 100

58 29.5 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-528) (-)

Ion 58.00 (57.70 to 58.70): VU025953.D (-528) (-)



#15

Methyl Acetate

Concen: 1.664 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025966.D

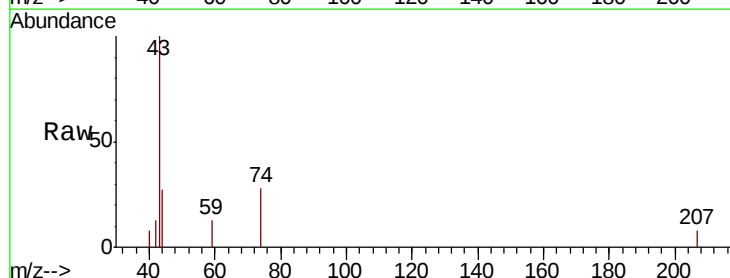
Acq: 08 Aug 2018 02:58

Tgt Ion: 43 Resp: 3535

Ion Ratio Lower Upper

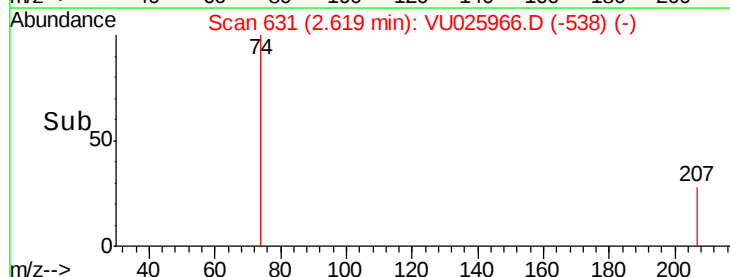
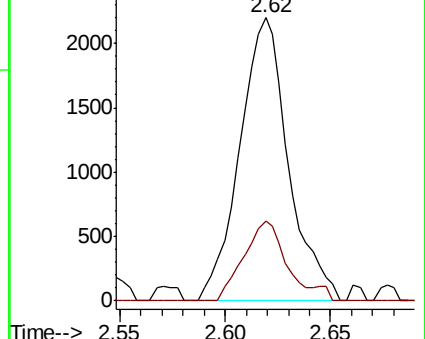
43 100

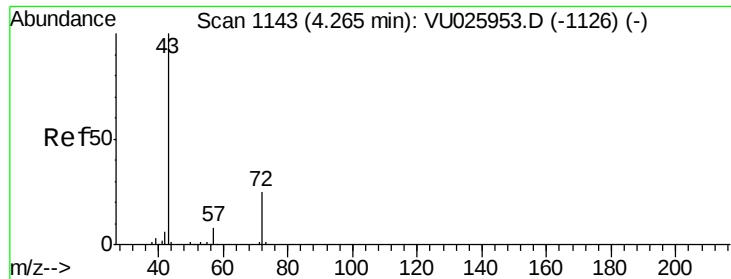
74 24.2 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VU025953.D (-616) (-)

Ion 74.00 (73.70 to 74.70): VU025953.D (-616) (-)





#22

2-Butanone

Concen: 58.644 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025966.D

Acq: 08 Aug 2018 02:58

Instrument :

MSVOA_U

ClientSampleId :

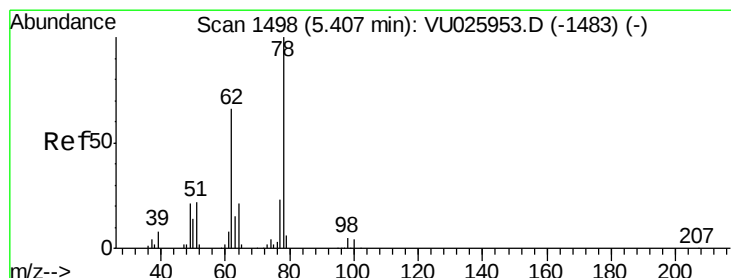
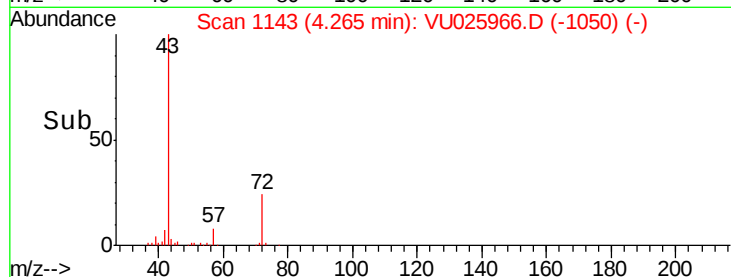
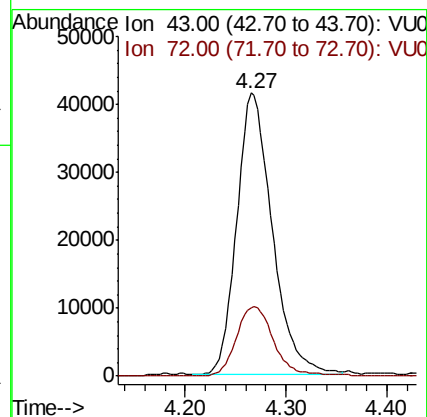
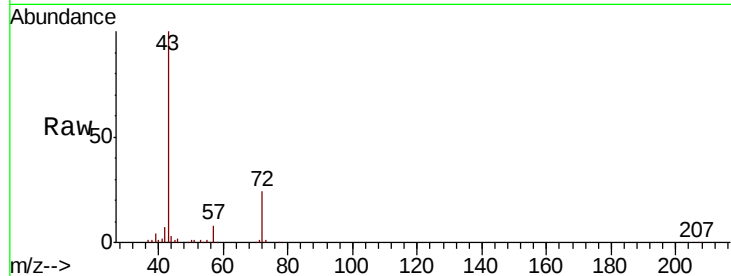
A4ZA7

Tgt Ion: 43 Resp: 101994

Ion Ratio Lower Upper

43 100

72 25.8 13.4 40.2



#27

1,2-Dichloroethane

Concen: 1.414 ug/L

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025966.D

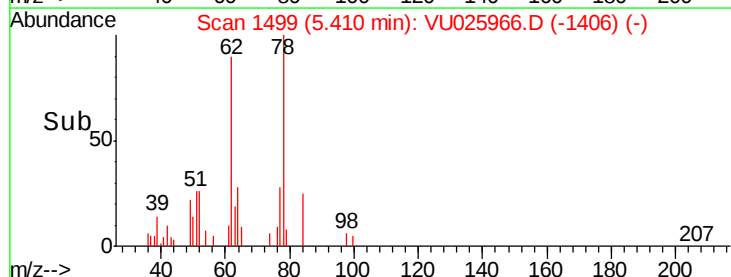
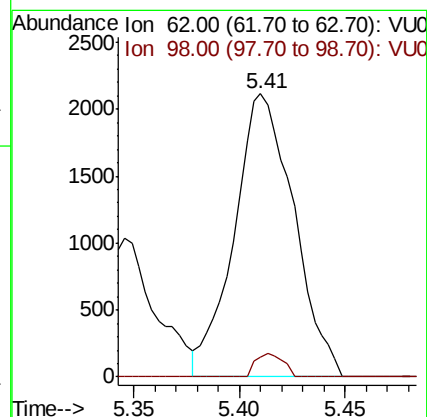
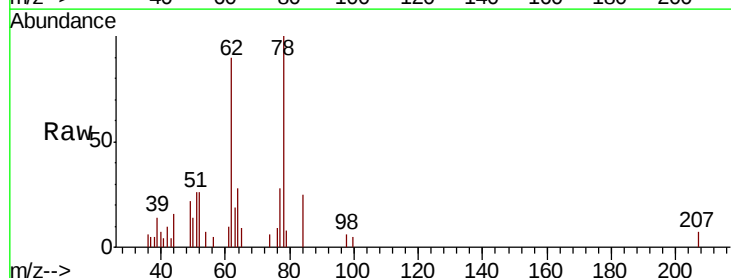
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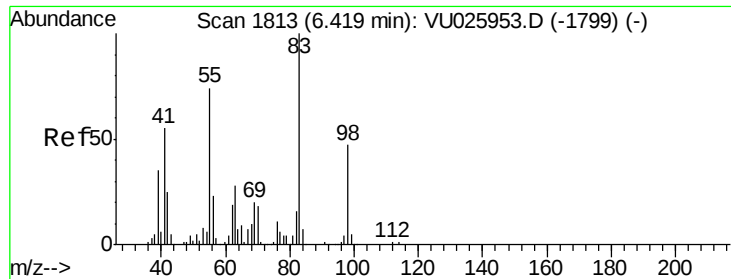
Tgt Ion: 62 Resp: 4156

Ion Ratio Lower Upper

62 100

98 6.8 6.8 10.2#

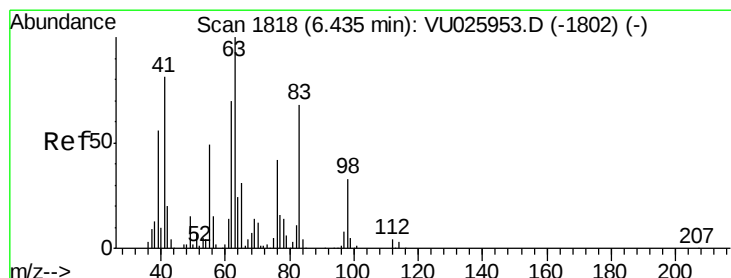
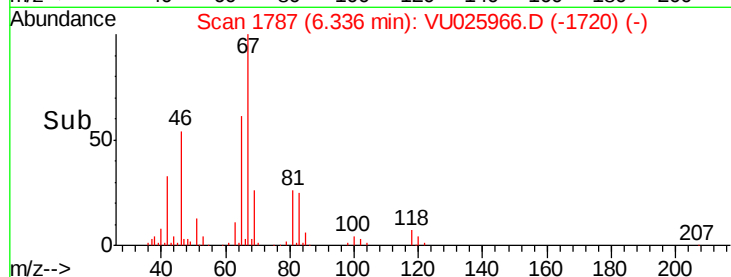
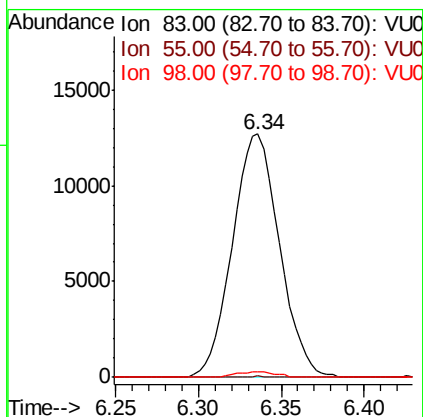
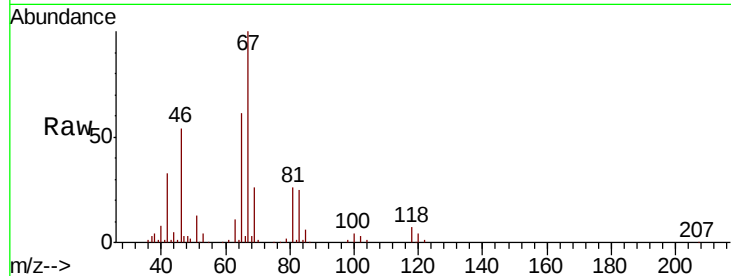




#35
Methylcyclohexane
Concen: 7.639 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.08 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

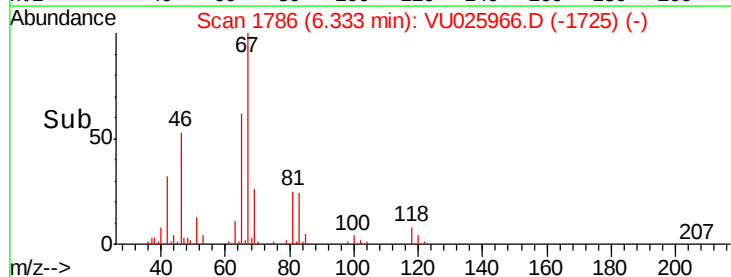
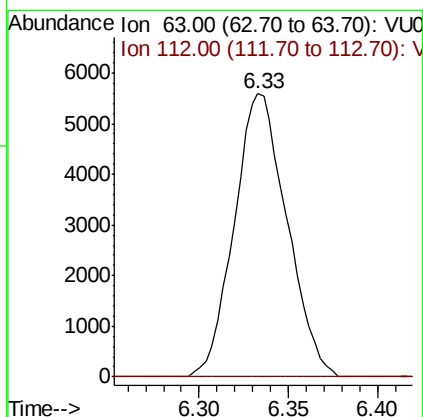
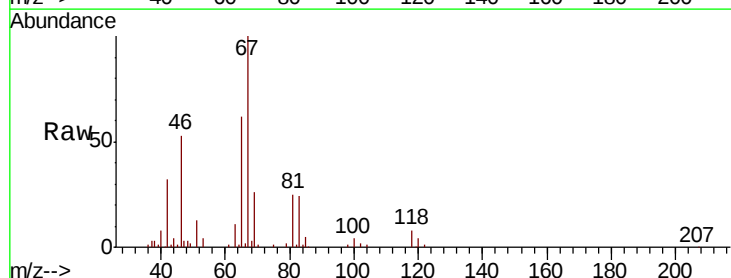
Instrument :
MSVOA_U
ClientSampleId :
A4ZA7

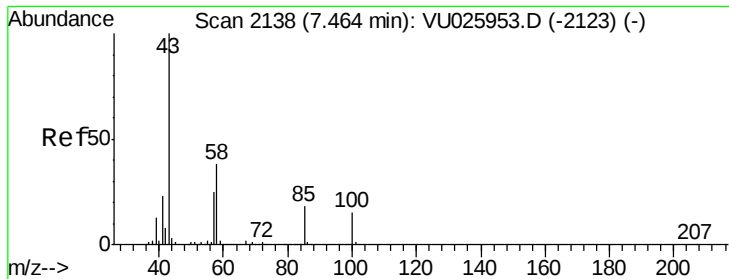
Tgt Ion: 83 Resp: 25030
Ion Ratio Lower Upper
83 100
55 0.2 58.3 87.5#
98 1.9 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 5.542 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.10 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

Tgt Ion: 63 Resp: 11517
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

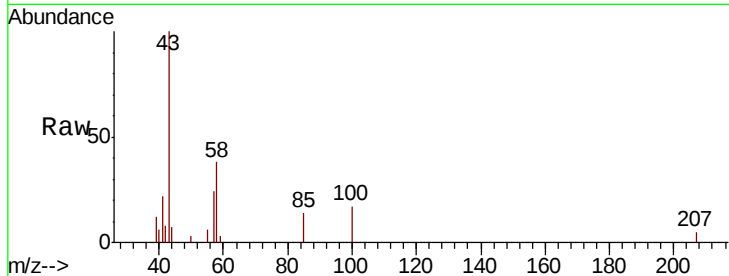




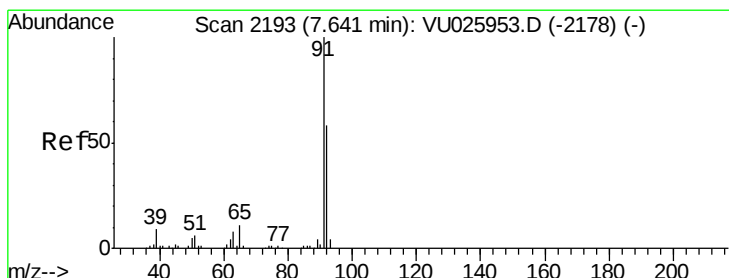
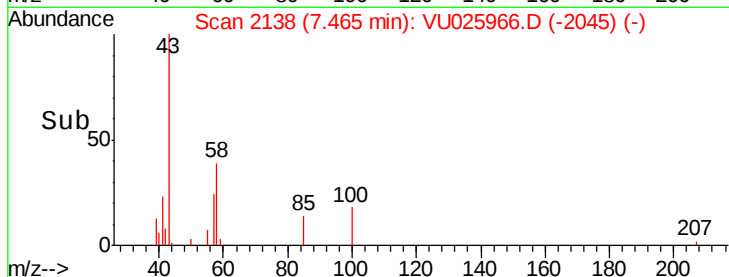
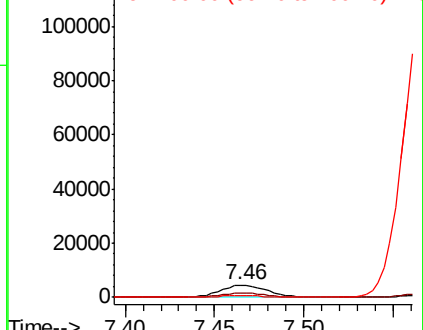
#40
 4-Methyl-2-pentanone
 Concen: 2.990 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Tgt Ion: 43 Resp: 8474
 Ion Ratio Lower Upper
 43 100
 58 32.8 31.0 46.4
 100 12.5 12.4 18.6

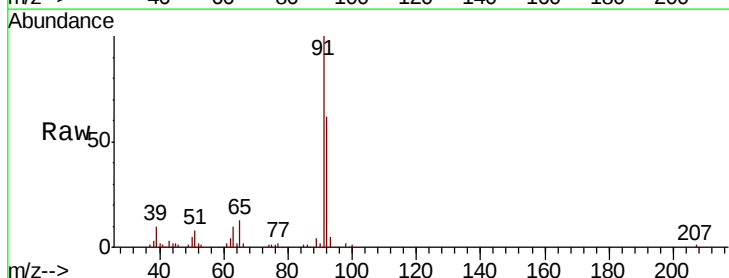


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

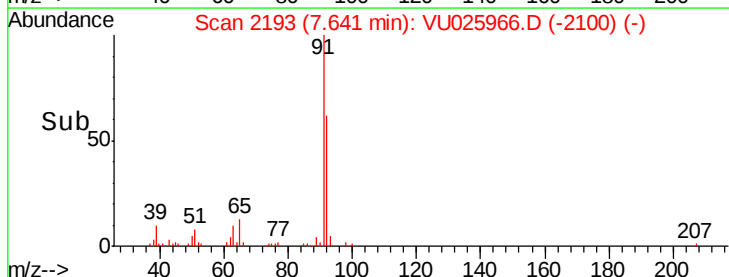
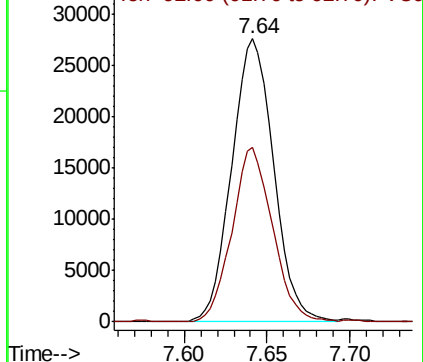


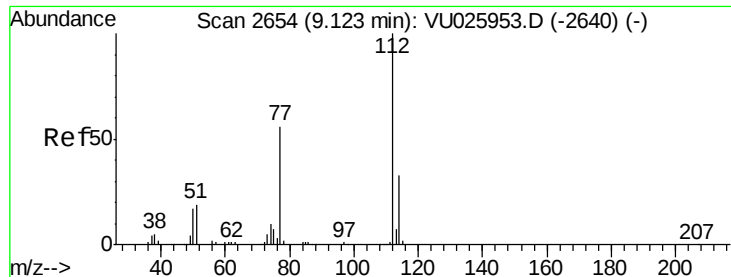
#42
 Toluene
 Concen: 5.727 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Tgt Ion: 91 Resp: 48618
 Ion Ratio Lower Upper
 91 100
 92 61.6 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0

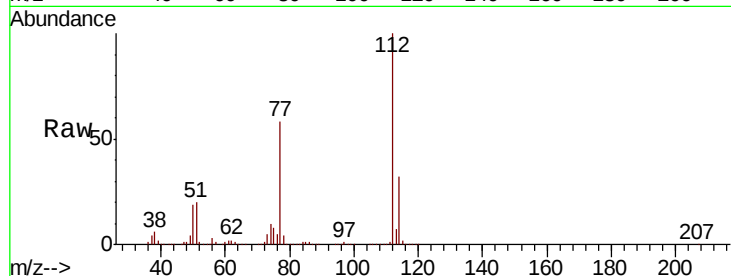




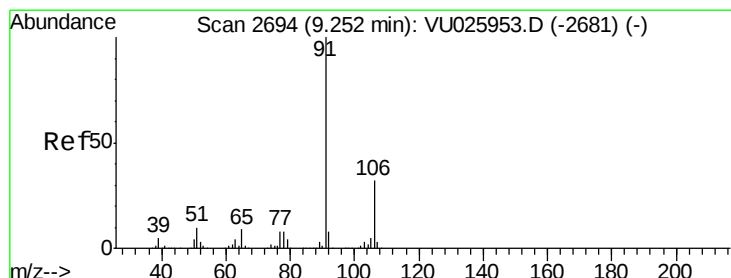
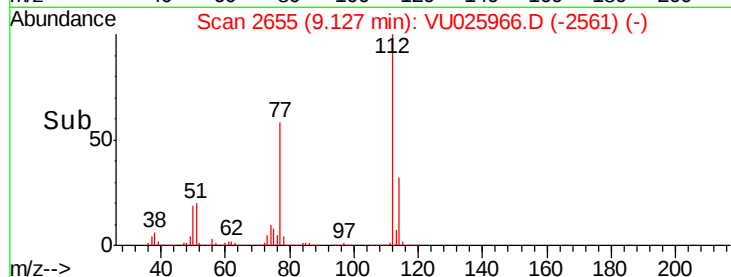
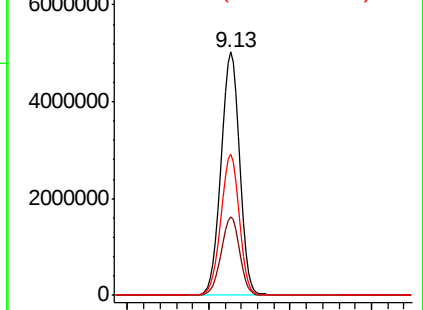
#51
Chlorobenzene
Concen: 1406.685 ug/L
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

Instrument :
MSVOA_U
ClientSampleId :
A4ZA7

Tgt Ion: 112 Resp: 8176719
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 57.8 46.6 70.0

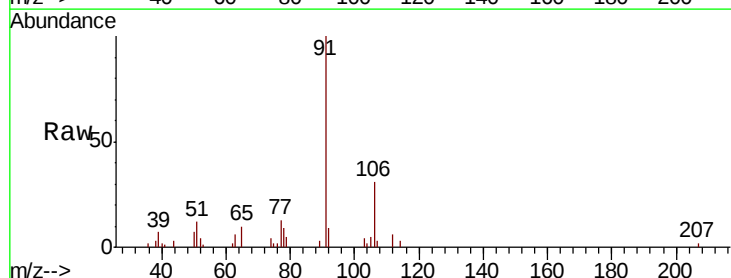


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

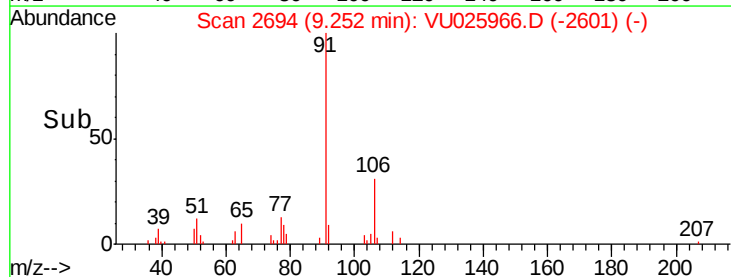
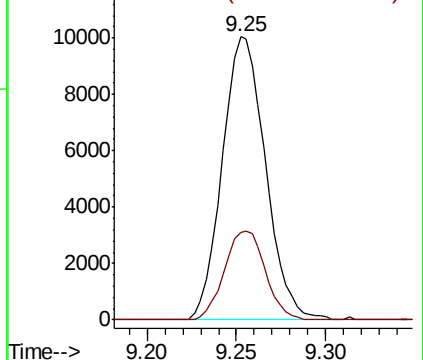


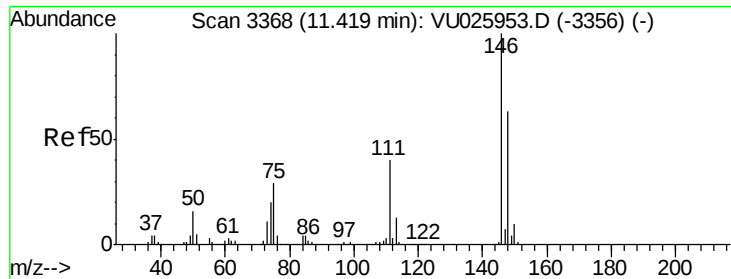
#52
Ethylbenzene
Concen: 1.752 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025966.D
Acq: 08 Aug 2018 02:58

Tgt Ion: 91 Resp: 16922
Ion Ratio Lower Upper
91 100
106 30.9 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

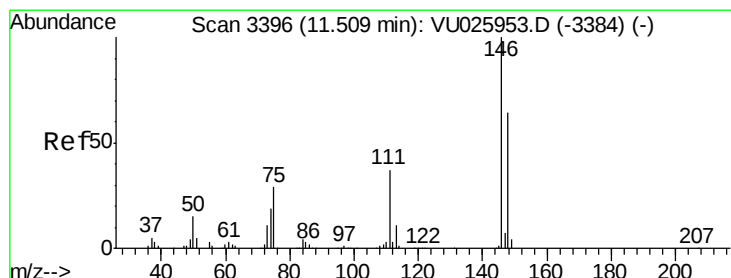
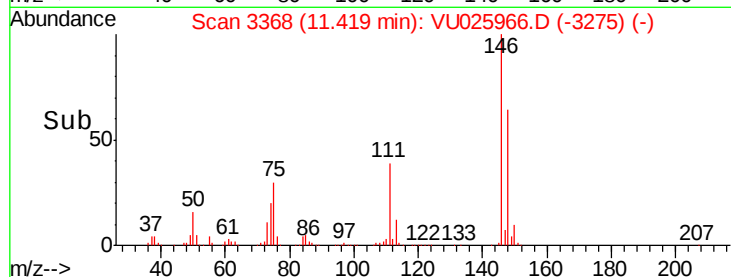
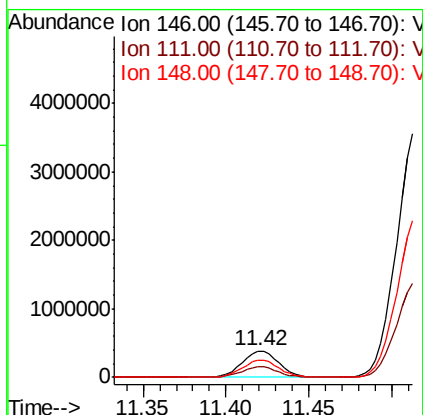
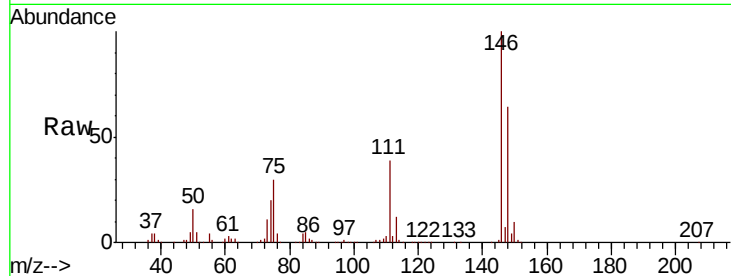




#62
 1,3-Dichlorobenzene
 Concen: 121.322 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

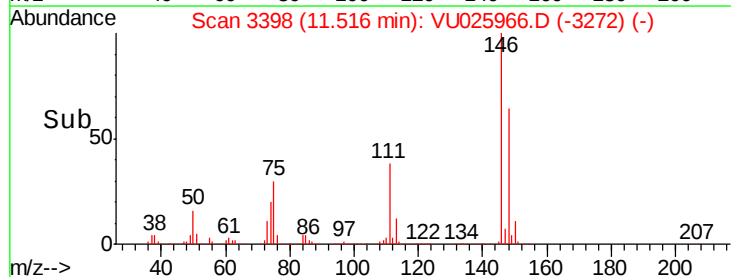
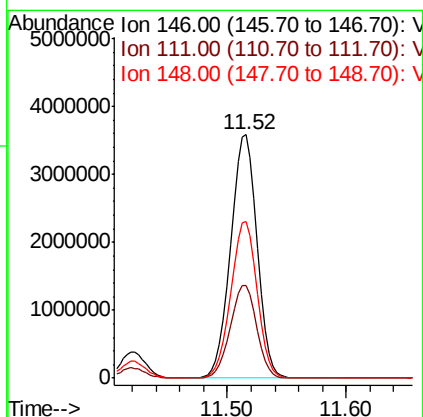
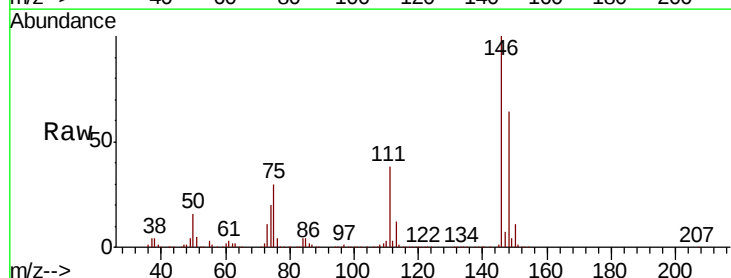
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

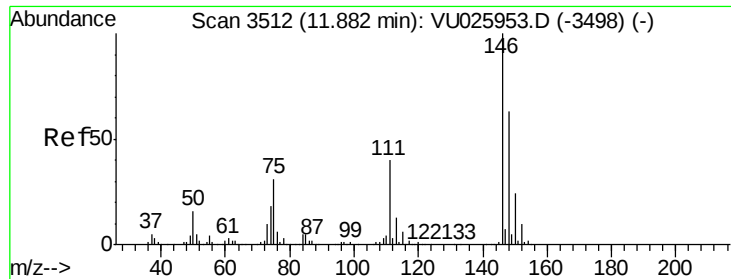
Tgt Ion:146 Resp: 596722
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.5 51.1
 148 64.2 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 1098.951 ug/L
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Tgt Ion:146 Resp: 5506764
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 64.3 45.2 84.0

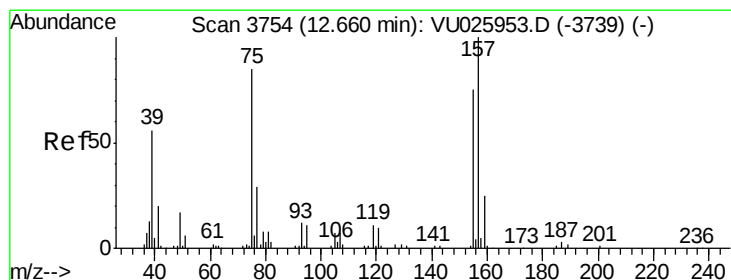
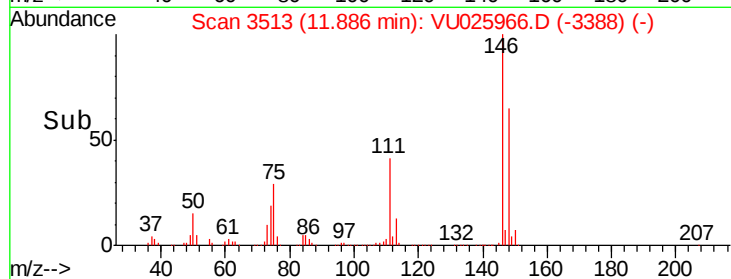
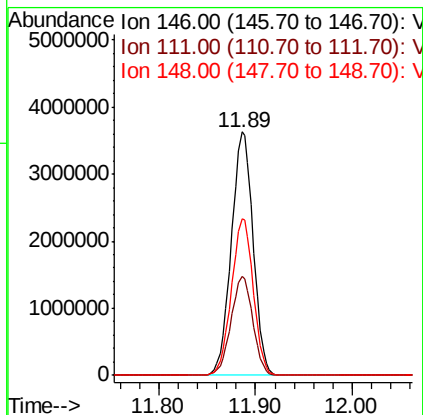
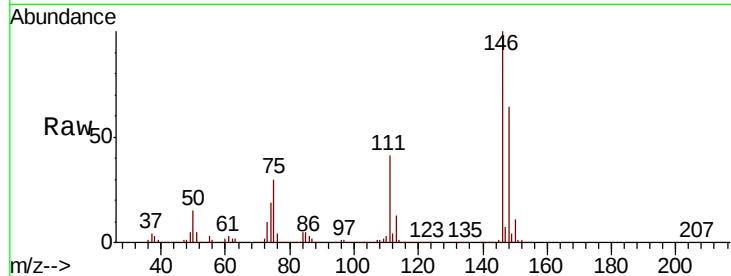




#65
 1,2-Dichlorobenzene
 Concen: 1149.193 ug/L
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

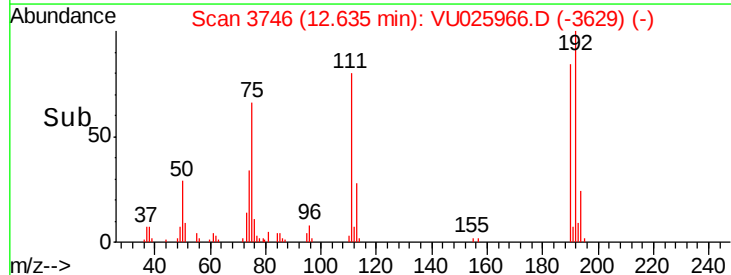
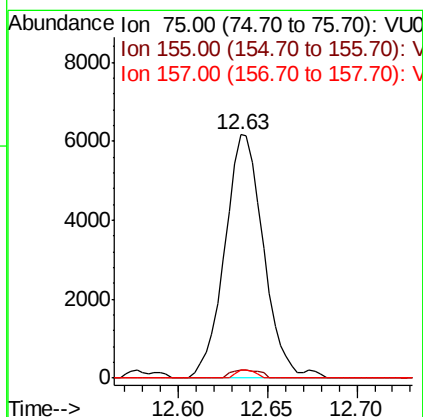
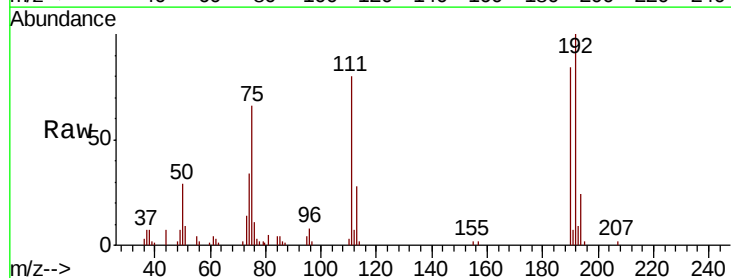
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

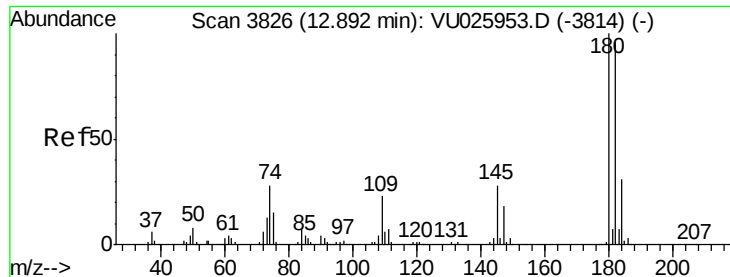
Tgt Ion:146 Resp: 5667504
 Ion Ratio Lower Upper
 146 100
 111 40.9 33.4 50.0
 148 64.5 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.442 ug/L
 RT: 12.63 min Scan# 3746
 Delta R.T. -0.02 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Tgt Ion: 75 Resp: 9325
 Ion Ratio Lower Upper
 75 100
 155 3.4 71.4 107.2#
 157 3.2 92.0 138.0#

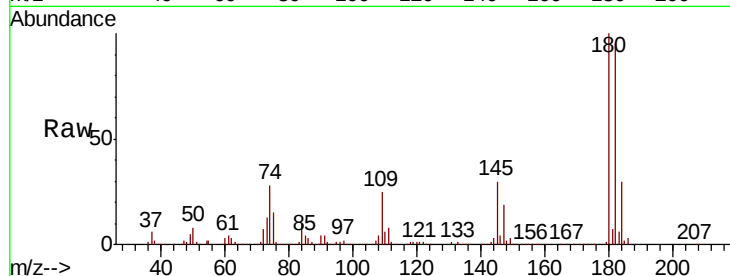




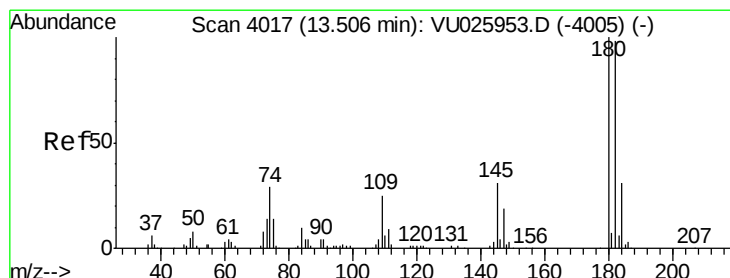
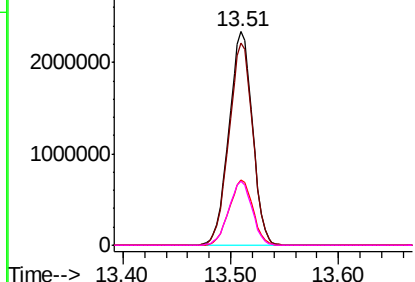
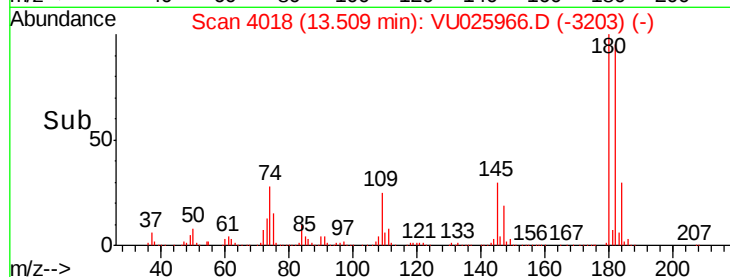
#67
 1,3,5-Trichlorobenzene
 Concen: 983.059 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.62 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Tgt Ion:180 Resp: 3562857
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.8 116.6
 184 30.7 24.6 37.0
 145 29.8 23.4 35.0

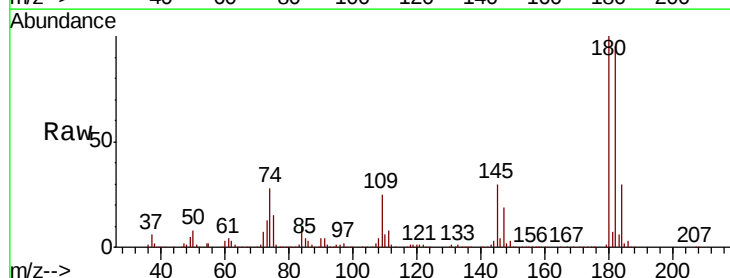


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

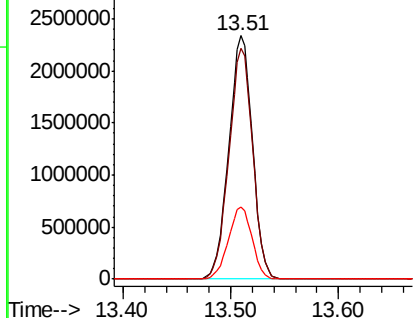
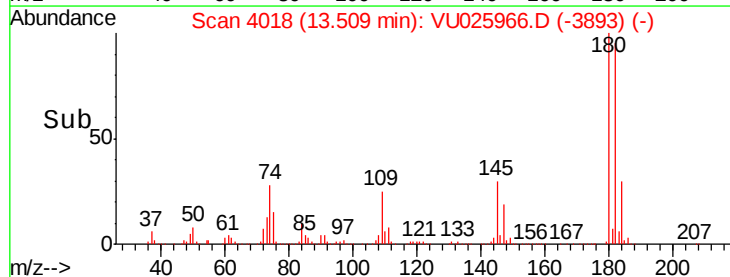


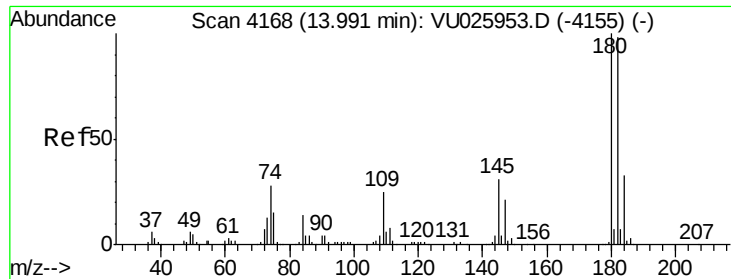
#68
 1,2,4-trichlorobenzene
 Concen: 1132.701 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Tgt Ion:180 Resp: 3562857
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.3 112.9
 145 29.8 23.1 34.7



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: 248.538 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025966.D
 Acq: 08 Aug 2018 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA7

Tgt Ion	Resp	Lower	Upper
180	800961		
182	96.5	77.6	116.4
145	31.6	25.3	37.9

