

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025942.D
 Acq On : 07 Aug 2018 16:12
 Operator : MD/SY
 Sample : J4363-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Quant Time: Aug 08 04:50:44 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	376884	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	360640	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	205313	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	105721	50.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.24%
7) Chloroethane-d5	1.68	69	82071	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.80%
11) 1,1-Dichloroethene-d2	2.28	63	200777	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.28%
21) 2-Butanone-d5	4.18	46	148781	103.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.53%
24) Chloroform-d	4.65	84	209879	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
26) 1,2-Dichloroethane-d4	5.31	65	140698	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.44%
32) Benzene-d6	5.35	84	411260	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	6.33	67	128924	52.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.32%
41) Toluene-d8	7.57	98	396169	51.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.72%
43) trans-1,3-Dichloropropene-	7.85	79	66827	51.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.12%
47) 2-Hexanone-d5	8.31	63	104808	101.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.90%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	173879	50.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.58%
64) 1,2-Dichlorobenzene-d4	11.87	152	176660	52.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.16%

Target Compounds

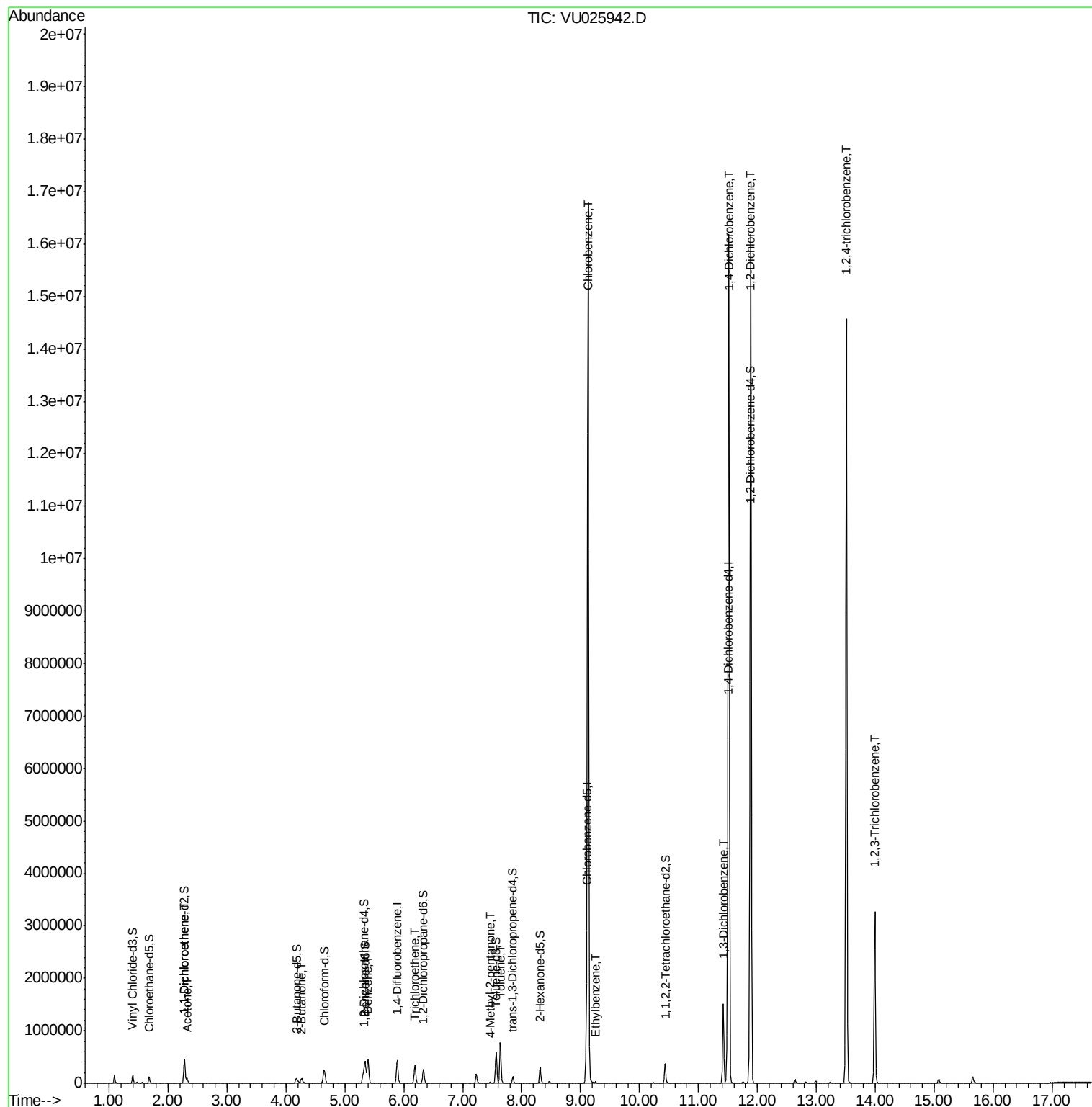
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	87486	45.99	ug/L	92
13) Acetone	2.32	43	108070	63.53	ug/L	100
22) 2-Butanone	4.27	43	135427	63.68	ug/L	99
33) Benzene	5.39	78	453084	48.06	ug/L	100
34) Trichloroethene	6.19	95	118284	45.09	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	9962	2.90	ug/L	97
42) Toluene	7.64	91	562903	54.72	ug/L	99
51) Chlorobenzene	9.13	112	9060823	1286.24	ug/L	99
52) Ethylbenzene	9.25	91	18755	1.60	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	620868	101.08	ug/L	98
63) 1,4-Dichlorobenzene	11.52	146	6555724	1047.56	ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	6629898	1076.43	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4458452	1134.95	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	1008741	250.63	ug/L	100

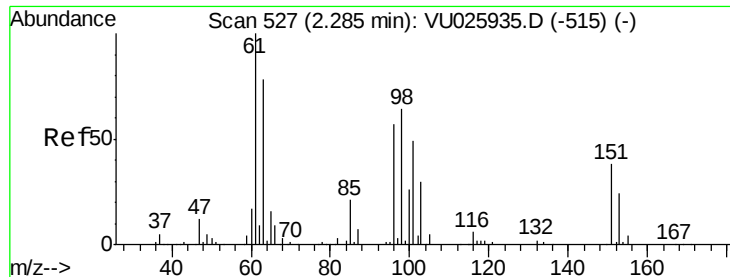
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080718\
Data File : VU025942.D
Acq On : 07 Aug 2018 16:12
Operator : MD/SY
Sample : J4363-02MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A4ZA4MS

Quant Time: Aug 08 04:50:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 07 12:44:32 2018
Response via : Initial Calibration

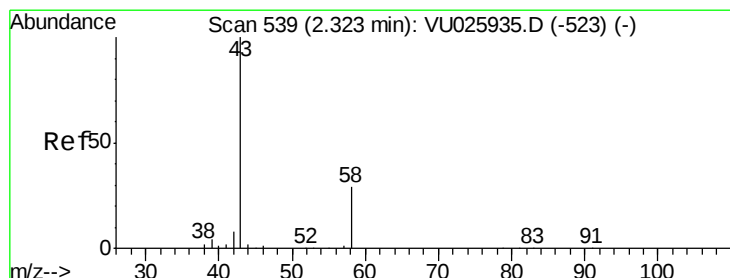
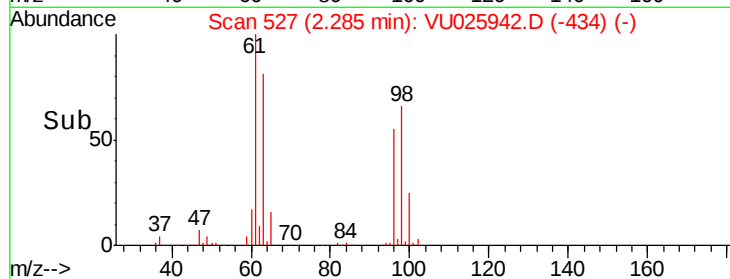
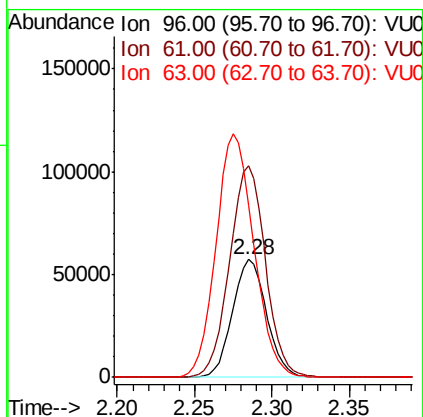
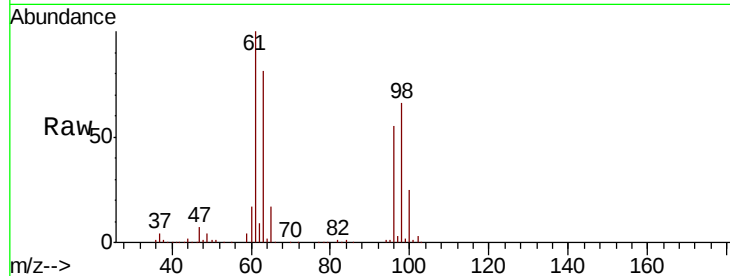




#12
 1,1-Dichloroethene
 Concen: 45.99 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

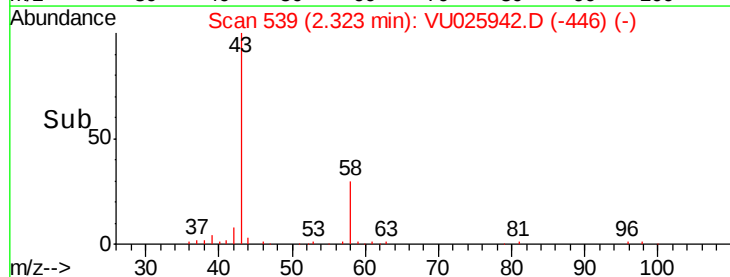
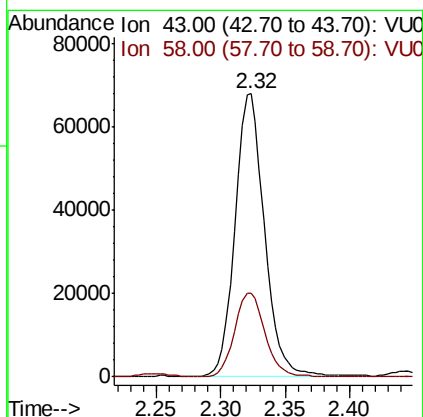
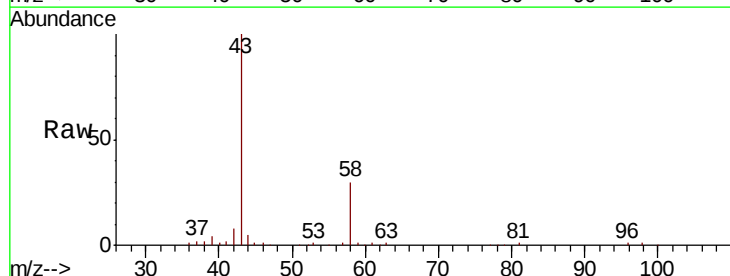
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

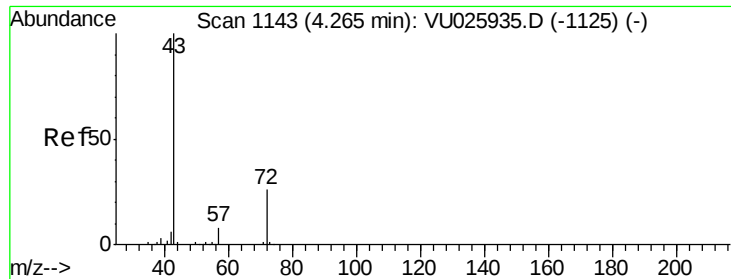
Tot Ion	Resp	Lower	Upper
96	100		
61	180.2	122.5	227.5
63	146.2	90.9	168.9



#13
 Acetone
 Concen: 63.53 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion	Resp	Lower	Upper
43	100		
58	30.5	0.0	61.2





#22

2-Butanone

Concen: 63.68 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

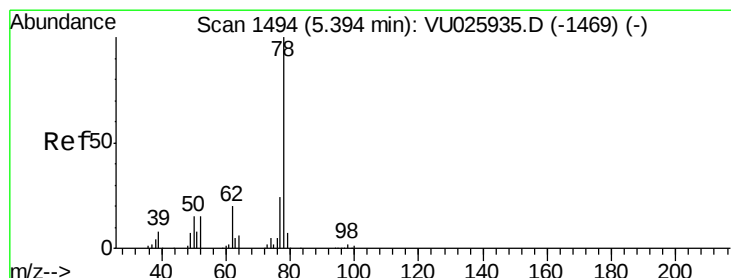
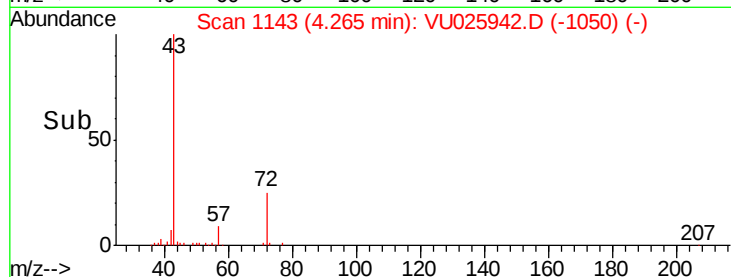
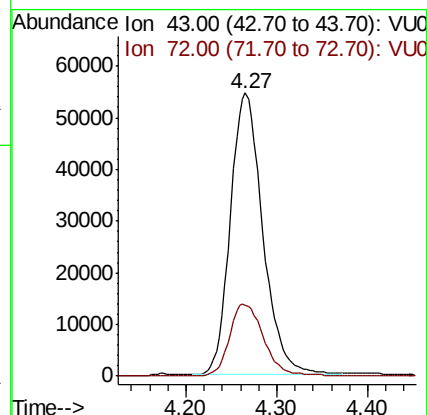
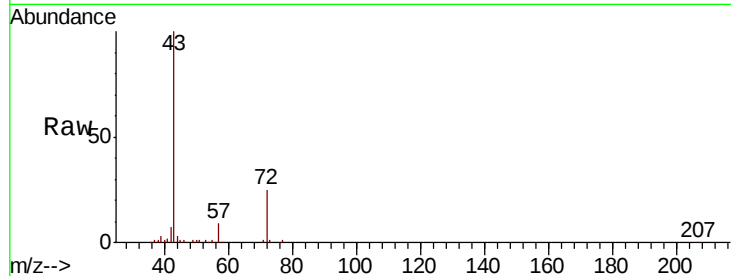
A4ZA4MS

Tot Ion: 43 Resp: 135427

Ion Ratio Lower Upper

43 100

72 26.4 13.6 40.8



#33

Benzene

Concen: 48.06 ug/L

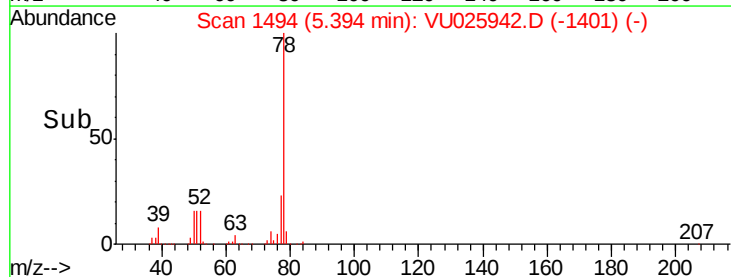
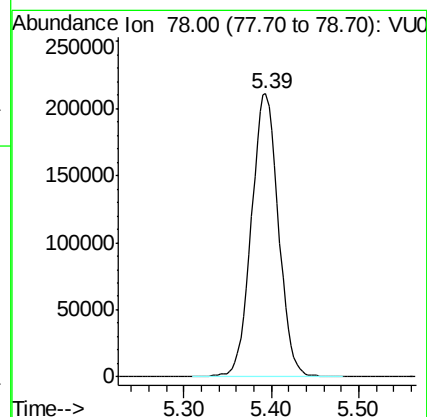
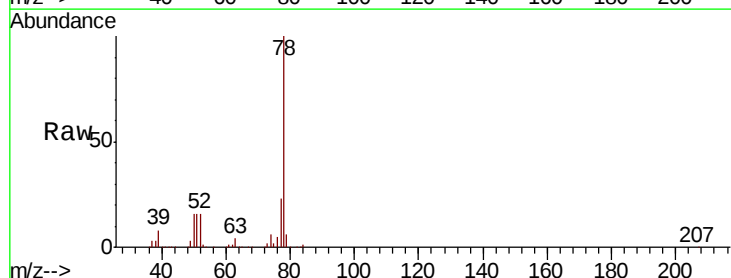
RT: 5.39 min Scan# 1494

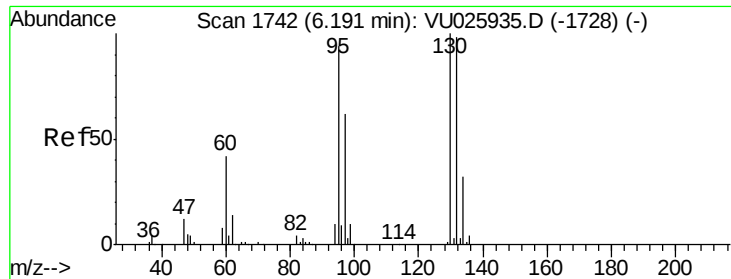
Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

Tgt Ion: 78 Resp: 453084

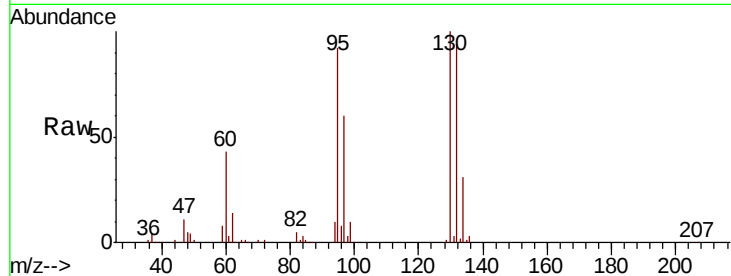




#34
 Trichloroethene
 Concen: 45.09 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
97	65.1	45.9	85.3	
132	102.1	72.2	134.2	
130	108.2	74.9	139.1	



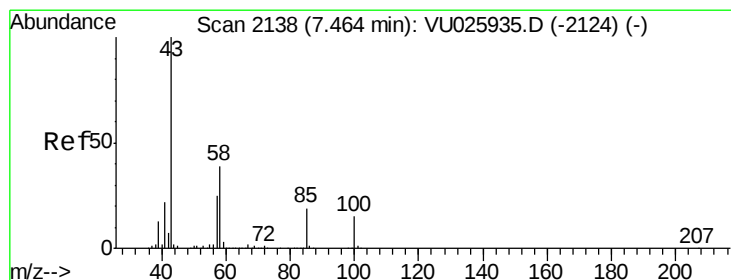
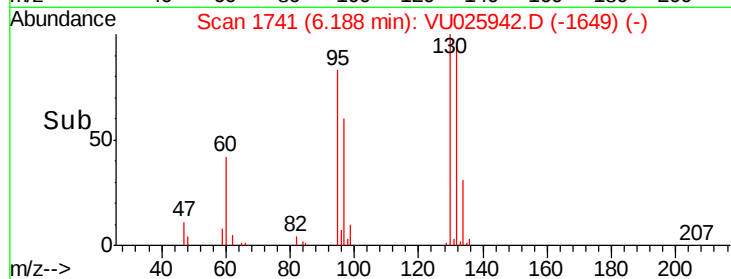
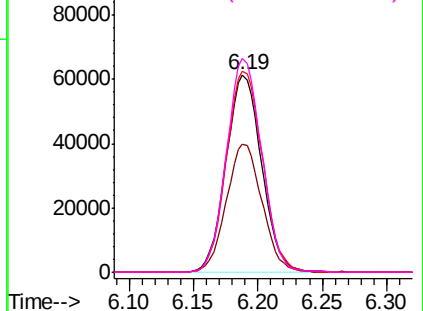
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

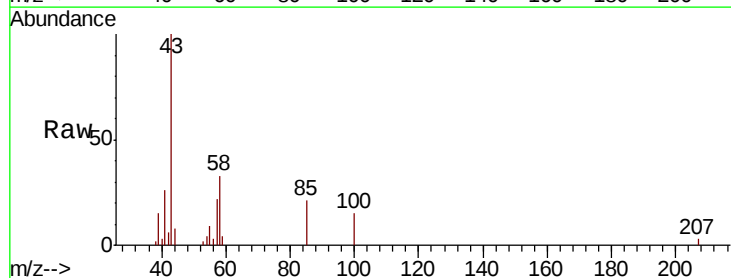
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40
 4-Methyl-2-pentanone
 Concen: 2.90 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	36.1	30.8	46.2	
100	15.4	12.1	18.1	

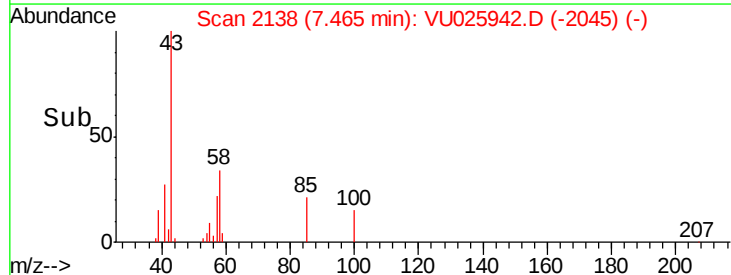
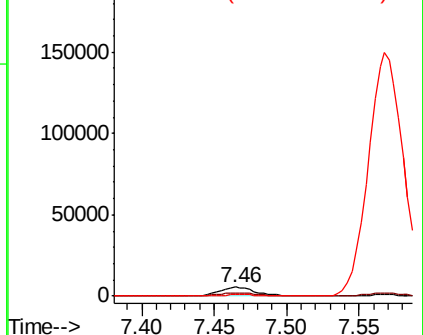


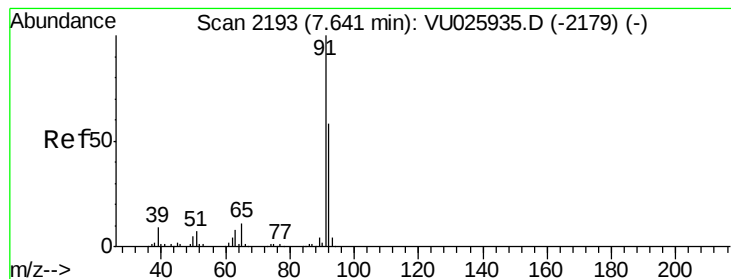
Abundance

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): VU





#42

Toluene

Concen: 54.72 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

Instrument :

MSVOA_U

ClientSampleId :

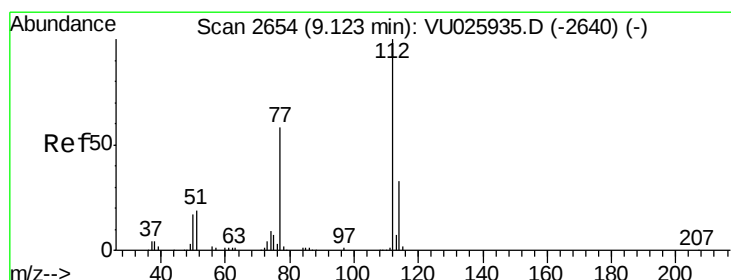
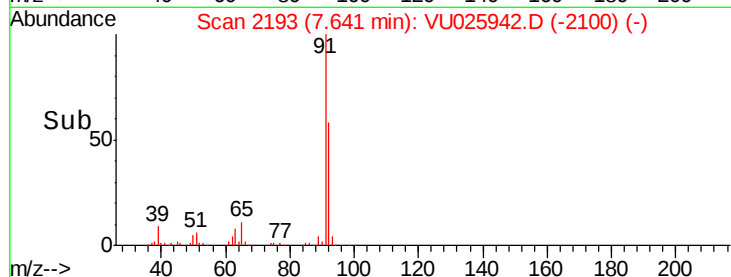
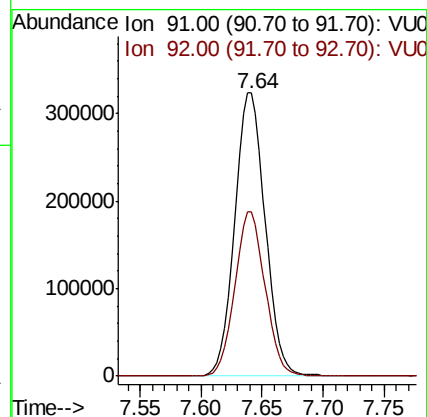
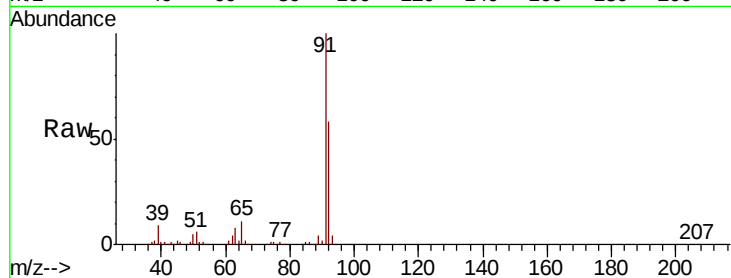
A4ZA4MS

Tot Ion: 91 Resp: 562903

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.2



#51

Chlorobenzene

Concen: 1286.24 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025942.D

Acq: 07 Aug 2018 16:12

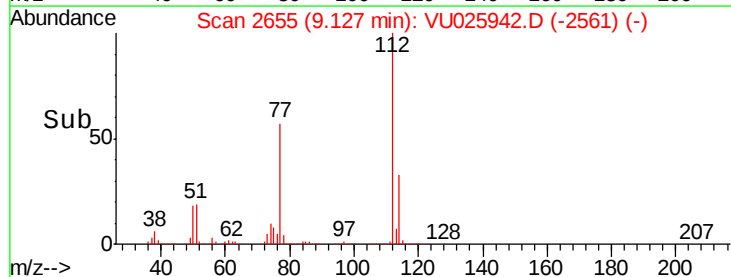
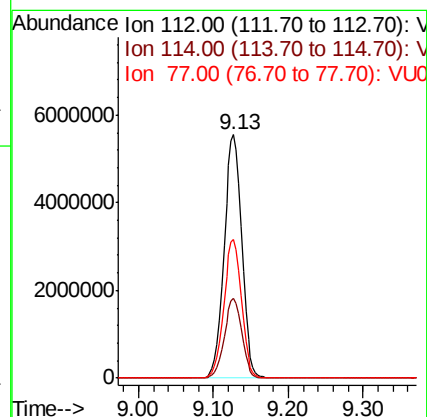
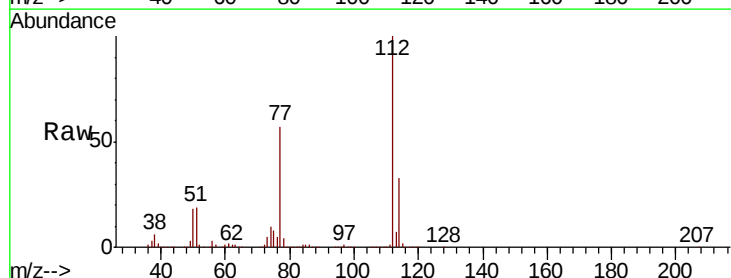
Tgt Ion: 112 Resp: 9060823

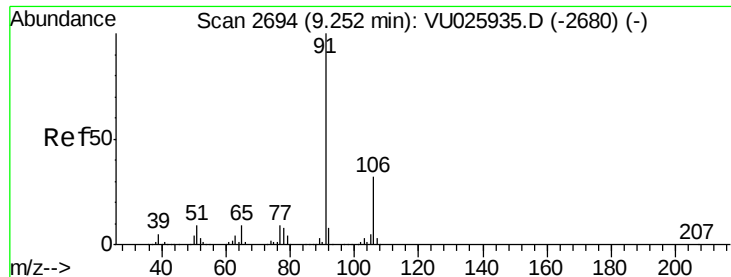
Ion Ratio Lower Upper

112 100

114 32.6 22.5 41.9

77 56.9 45.8 68.8

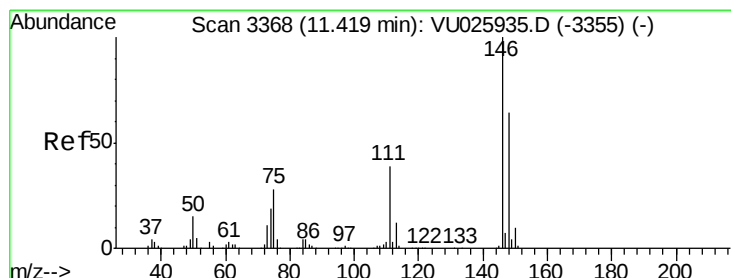
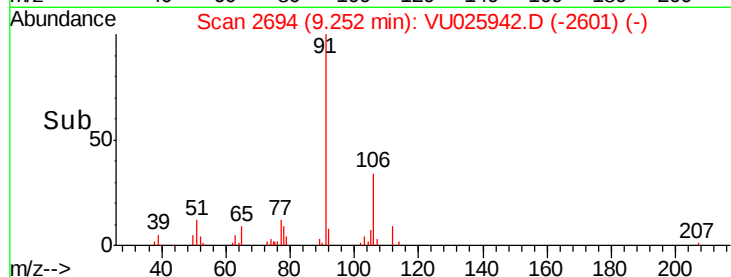
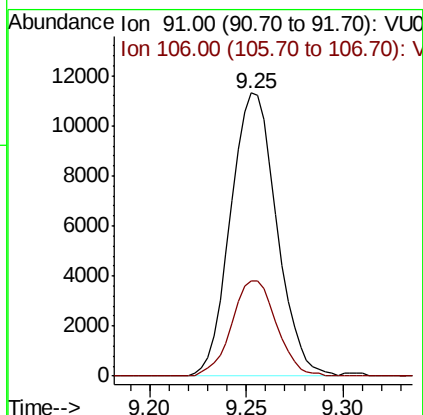
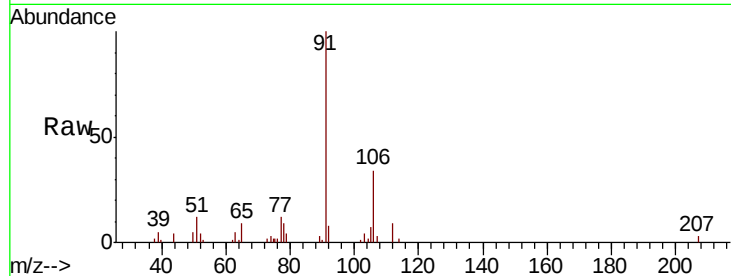




#52
Ethylbenzene
Concen: 1.60 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025942.D
Acq: 07 Aug 2018 16:12

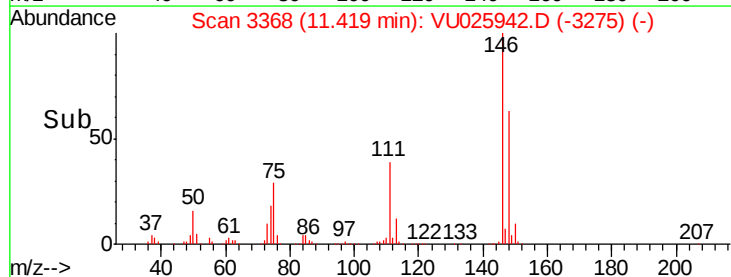
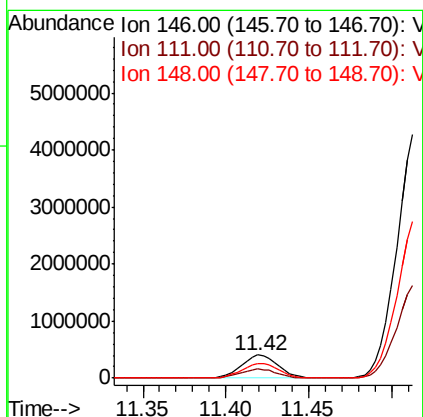
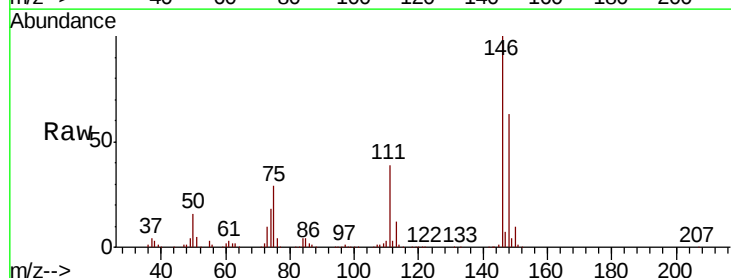
Instrument :
MSVOA_U
ClientSampleId :
A4ZA4MS

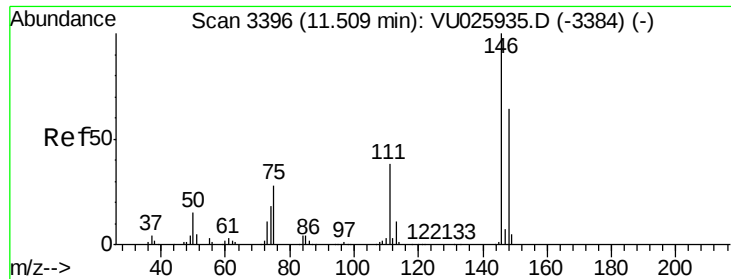
Tot Ion: 91 Resp: 18755
Ion Ratio Lower Upper
91 100
106 33.8 22.3 41.5



#62
1,3-Dichlorobenzene
Concen: 101.08 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU025942.D
Acq: 07 Aug 2018 16:12

Tgt Ion: 146 Resp: 620868
Ion Ratio Lower Upper
146 100
111 39.2 27.7 51.5
148 63.1 45.5 84.5

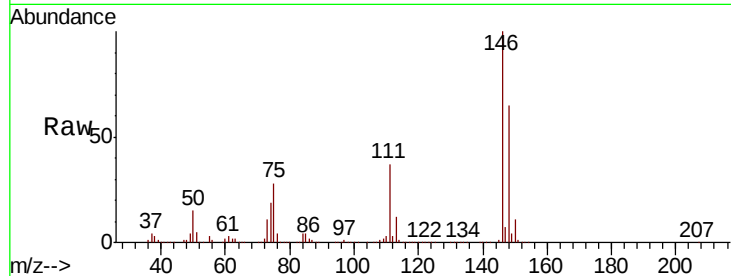




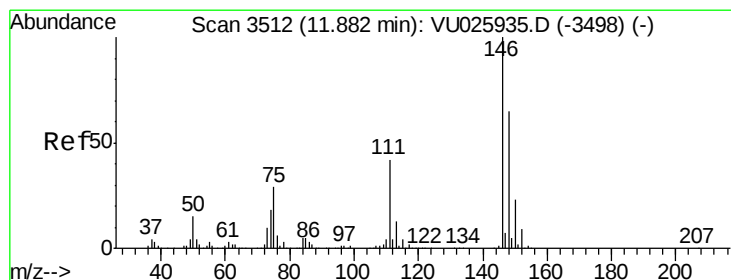
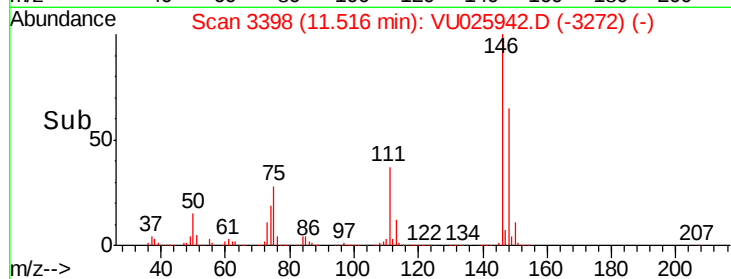
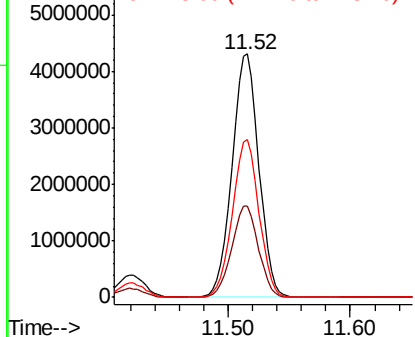
#63
 1,4-Dichlorobenzene
 Concen: 1047.56 ug/L
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tot Ion:146 Resp: 6555724
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.9 49.9
 148 64.7 44.6 82.8

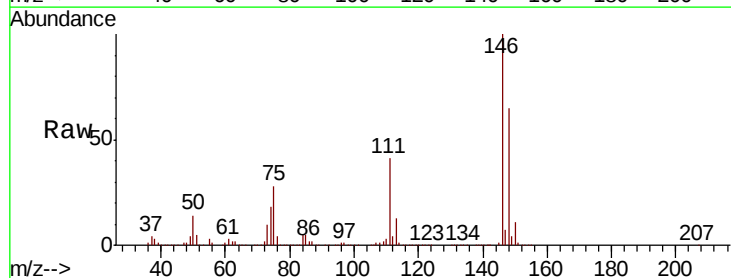


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

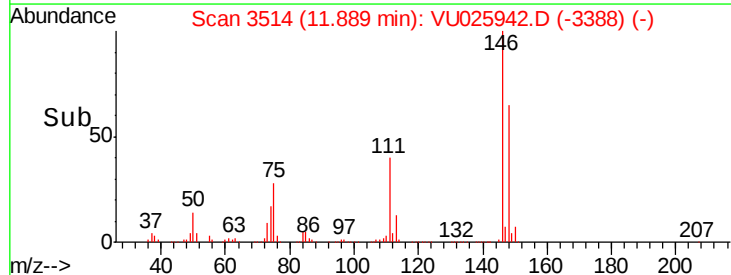
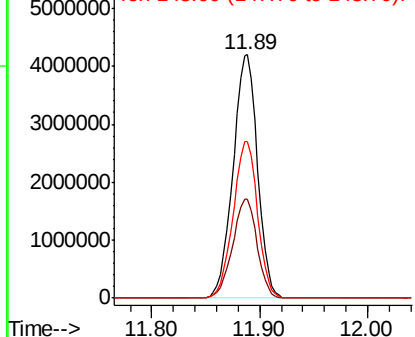


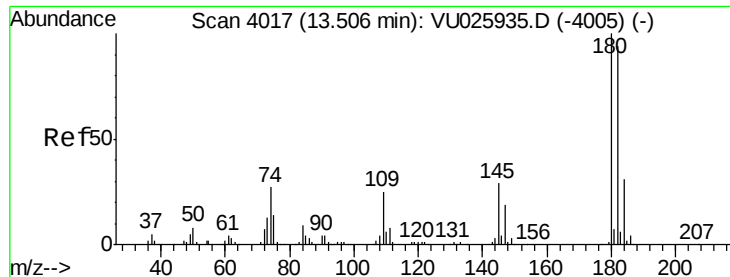
#65
 1,2-Dichlorobenzene
 Concen: 1076.43 ug/L
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion:146 Resp: 6629898
 Ion Ratio Lower Upper
 146 100
 111 40.5 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

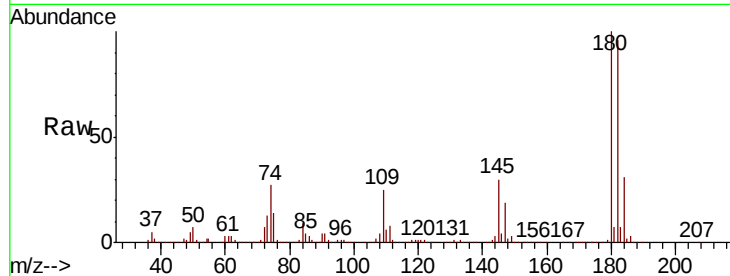




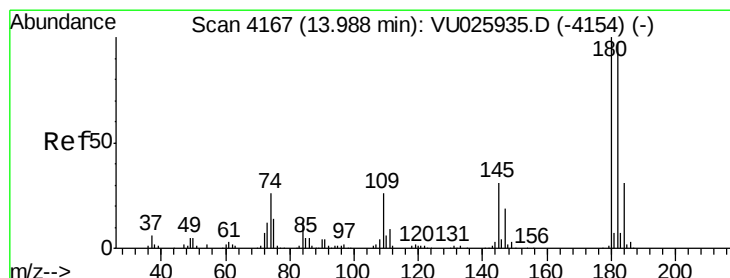
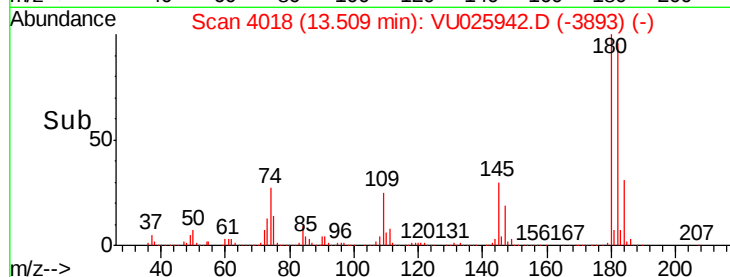
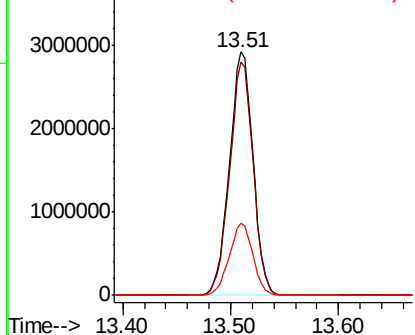
#68
 1,2,4-trichlorobenzene
 Concen: 1134.95 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MS

Tot Ion:180 Resp: 4458452
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.1 117.1
 145 29.8 23.4 35.2

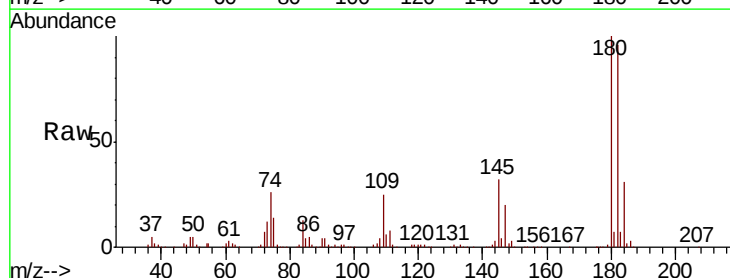


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 250.63 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025942.D
 Acq: 07 Aug 2018 16:12

Tgt Ion:180 Resp: 1008741
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.6 114.8
 145 31.3 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

