

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\
 Data File : VU025943.D
 Acq On : 07 Aug 2018 16:35
 Operator : MD/SY
 Sample : J4363-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MSD

Quant Time: Aug 08 05:04:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 01:48:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	377208	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	354258	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	199763	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	109069	52.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.36%
7) Chloroethane-d5	1.68	69	84444	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.74%
11) 1,1-Dichloroethene-d2	2.27	63	200686	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.14%
21) 2-Butanone-d5	4.18	46	162610	113.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.06%
24) Chloroform-d	4.65	84	211760	52.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.66%
26) 1,2-Dichloroethane-d4	5.31	65	142345	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.58%
32) Benzene-d6	5.35	84	428677	54.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.34	67	133827	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.24%
41) Toluene-d8	7.57	98	405208	53.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.96%
43) trans-1,3-Dichloropropene-	7.85	79	69952	54.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.90%
47) 2-Hexanone-d5	8.31	63	115002	113.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.83%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	182360	54.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.44%
64) 1,2-Dichlorobenzene-d4	11.87	152	181363	54.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	85286	44.79	ug/L	94
13) Acetone	2.32	43	111452	65.46	ug/L	98
22) 2-Butanone	4.27	43	139051	65.32	ug/L	99
27) 1,2-Dichloroethane	5.40	62	8851	2.46	ug/L #	90
33) Benzene	5.39	78	441076	47.63	ug/L	100
34) Trichloroethene	6.19	95	116888	45.36	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	10252	3.04	ug/L #	98
42) Toluene	7.64	91	547847	54.21	ug/L	99
51) Chlorobenzene	9.13	112	8952132	1293.71	ug/L	99
52) Ethylbenzene	9.25	91	18405	1.60	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	603754	101.02	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	6404155	1051.77	ug/L	99
65) 1,2-Dichlorobenzene	11.89	146	6527399	1089.23	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4325183	1131.62	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	988139	252.34	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Aug 08 01:48:47 2018
Response via : Initial Calibration

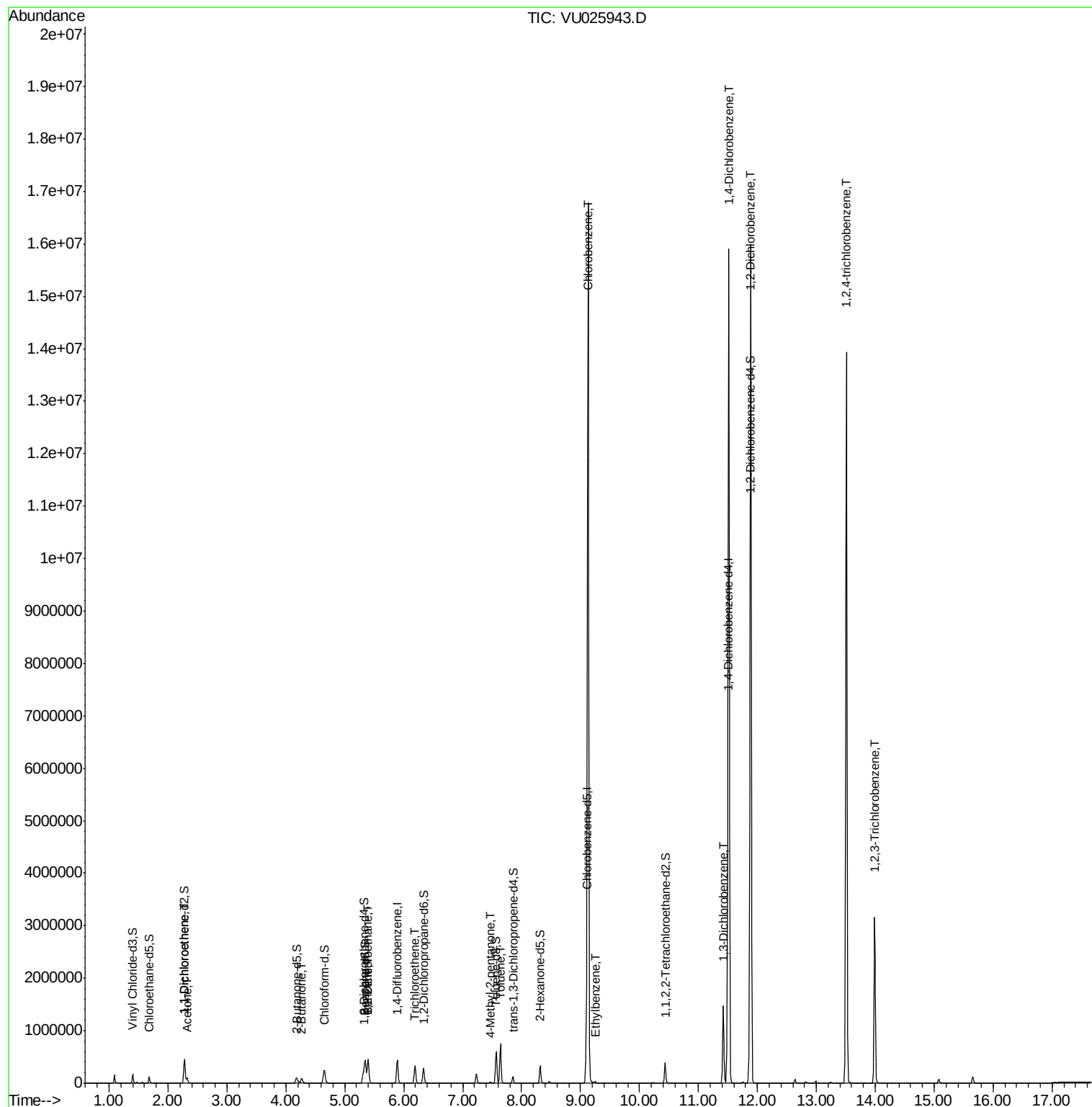
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

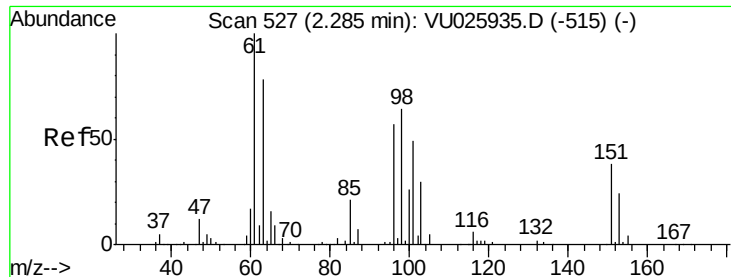
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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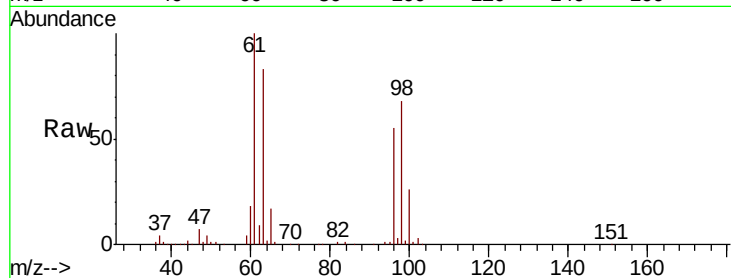




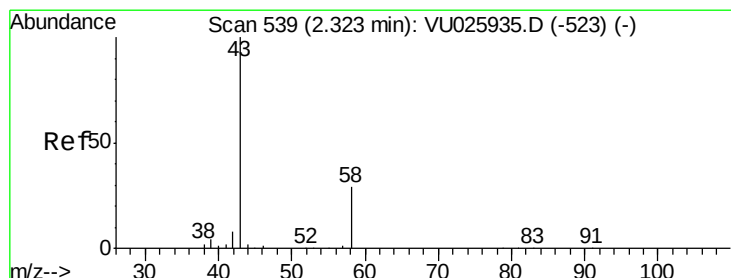
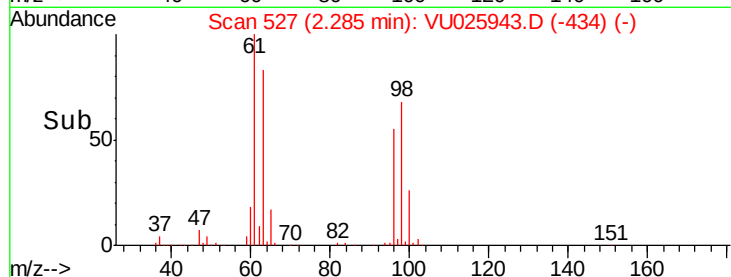
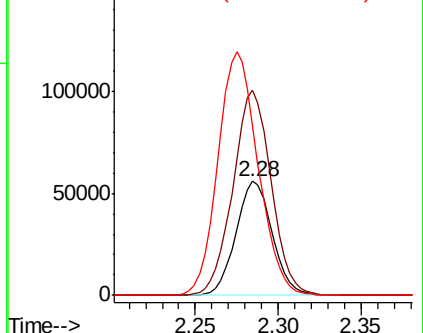
#12
 1,1-Dichloroethene
 Concen: 44.79 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MSD

Tot Ion: 96 Resp: 85286
 Ion Ratio Lower Upper
 96 100
 61 180.4 123.0 228.4
 63 149.3 97.2 180.4

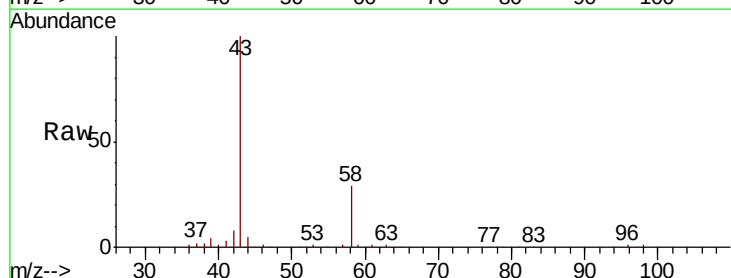


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

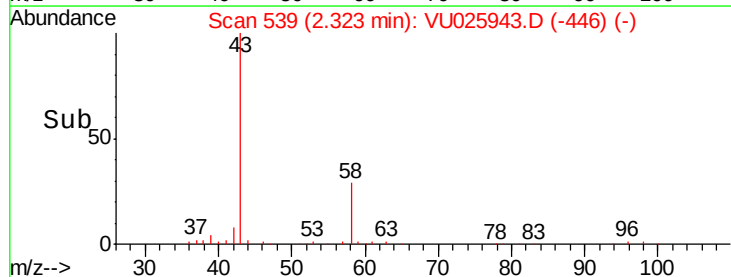
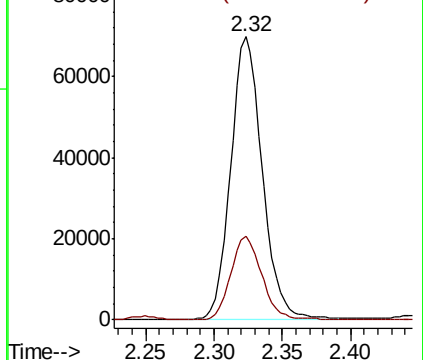


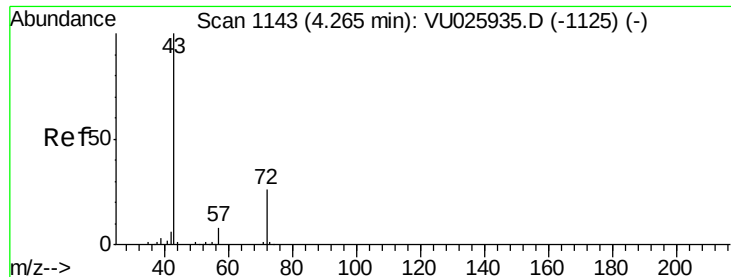
#13
 Acetone
 Concen: 65.46 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

Tgt Ion: 43 Resp: 111452
 Ion Ratio Lower Upper
 43 100
 58 29.0 0.0 60.2



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





#22

2-Butanone

Concen: 65.32 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025943.D

Acq: 07 Aug 2018 16:35

Instrument :

MSVOA_U

ClientSampleId :

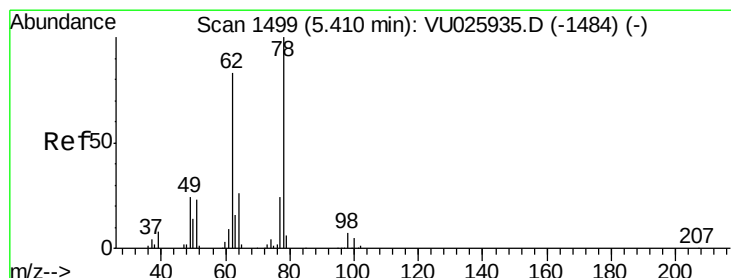
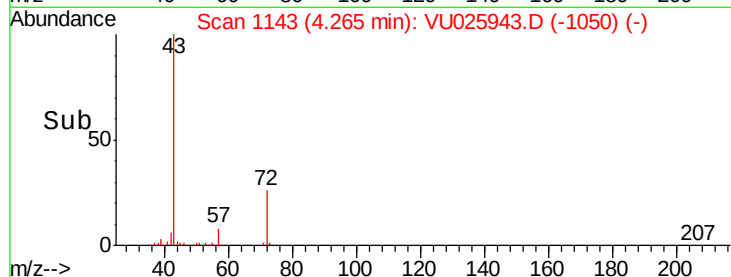
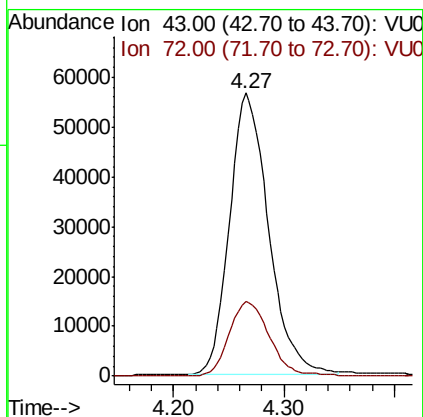
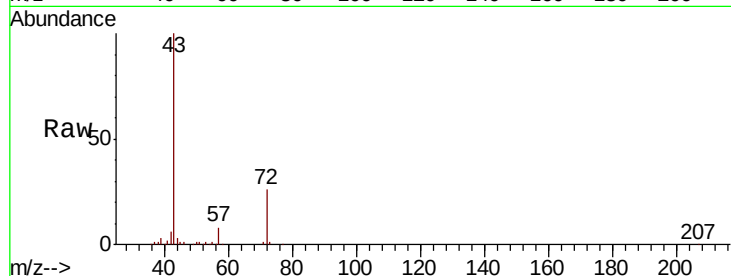
A4ZA4MSD

Tot Ion: 43 Resp: 139051

Ion Ratio Lower Upper

43 100

72 27.3 13.4 40.2



#27

1,2-Dichloroethane

Concen: 2.46 ug/L

RT: 5.40 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VU025943.D

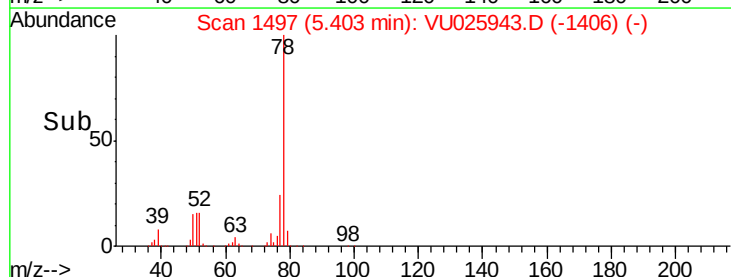
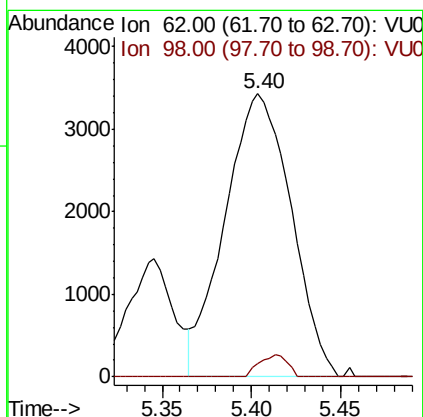
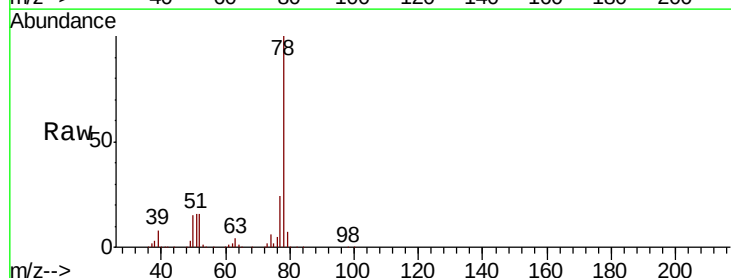
Acq: 07 Aug 2018 16:35

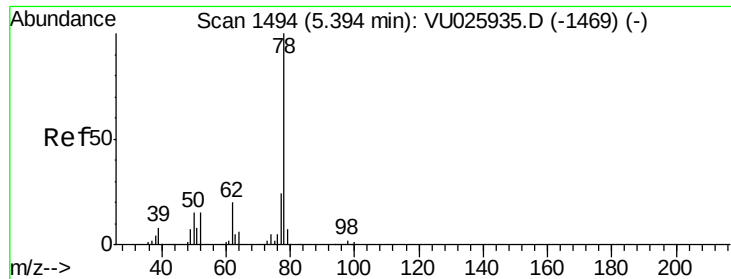
Tgt Ion: 62 Resp: 8851

Ion Ratio Lower Upper

62 100

98 4.8 6.8 10.2#

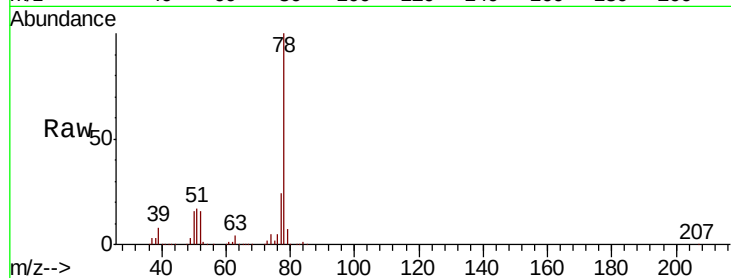




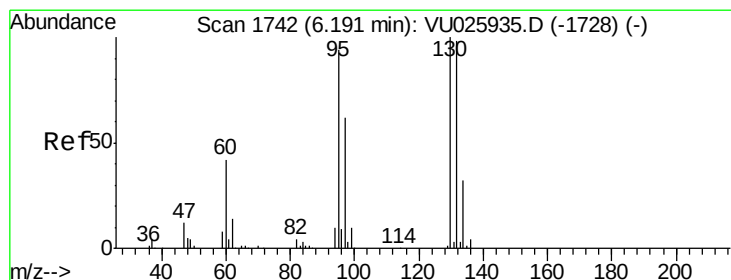
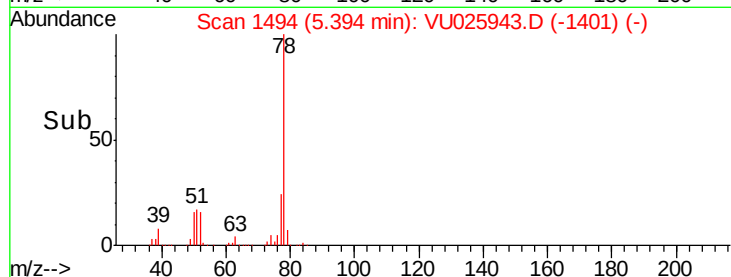
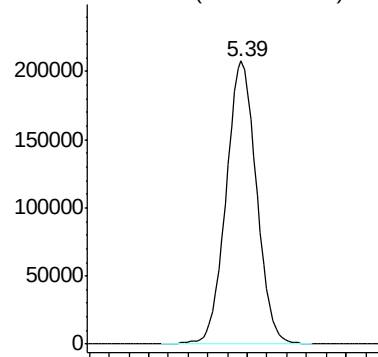
#33
Benzene
Concen: 47.63 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025943.D
Acq: 07 Aug 2018 16:35

Instrument :
MSVOA_U
ClientSampleId :
A4ZA4MSD

Tgt Ion: 78 Resp: 441076



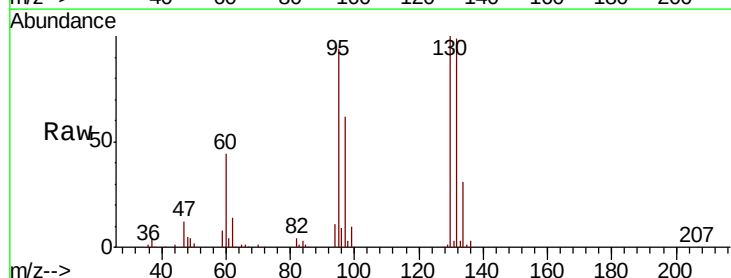
Abundance Ion 78.00 (77.70 to 78.70): VU0



#34
Trichloroethene
Concen: 45.36 ug/L
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025943.D
Acq: 07 Aug 2018 16:35

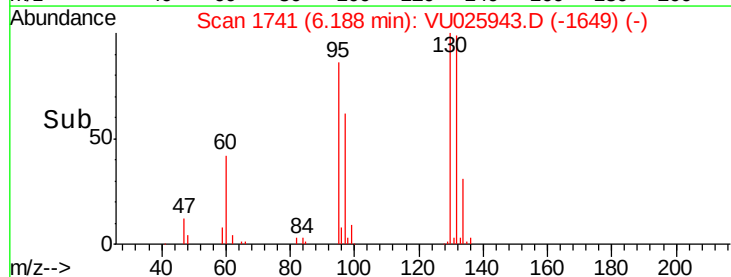
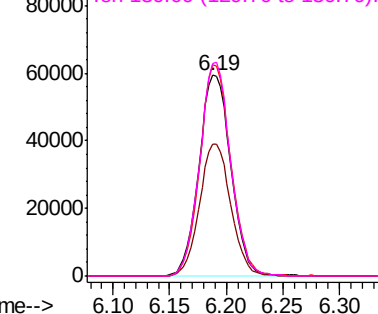
Tgt Ion: 95 Resp: 116888

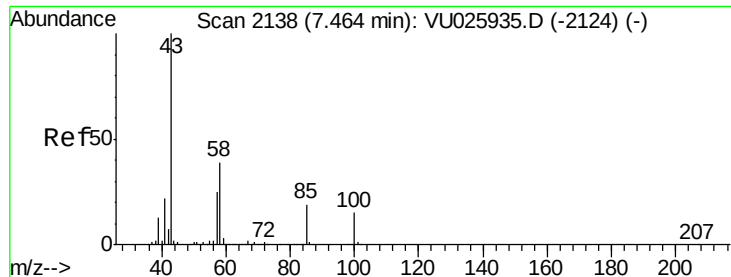
Ion	Ratio	Lower	Upper
95	100		
97	65.7	46.6	86.6
132	105.3	73.3	136.1
130	106.4	74.8	138.8



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

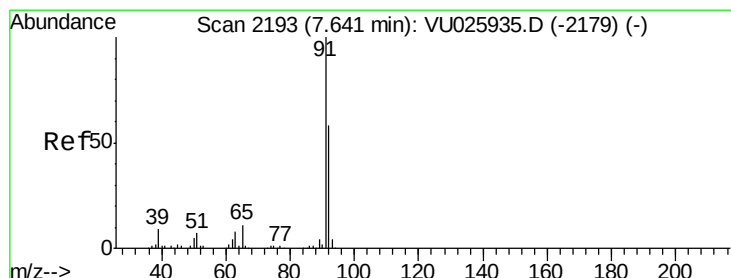
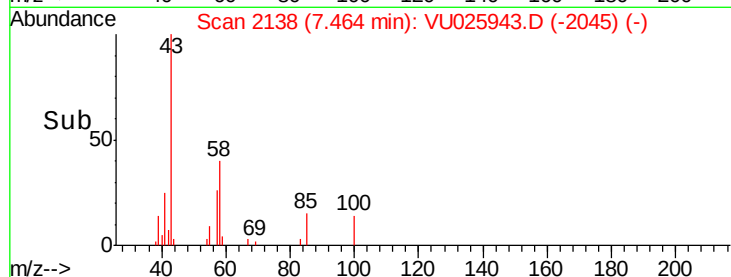
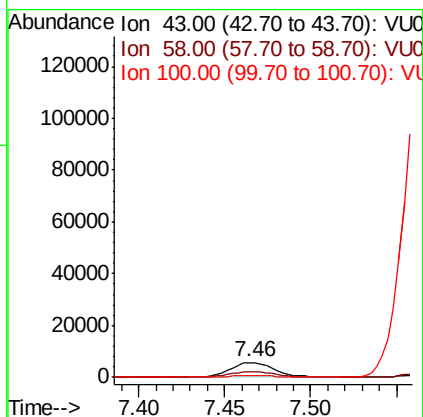
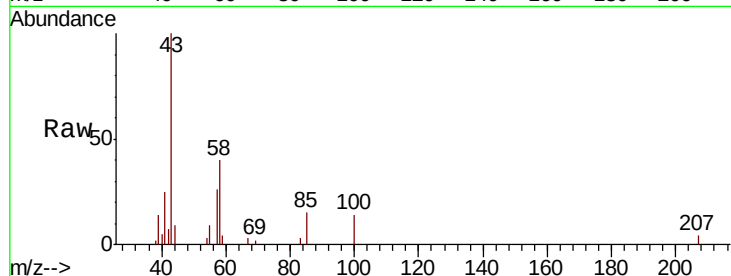




#40
 4-Methyl-2-pentanone
 Concen: 3.04 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

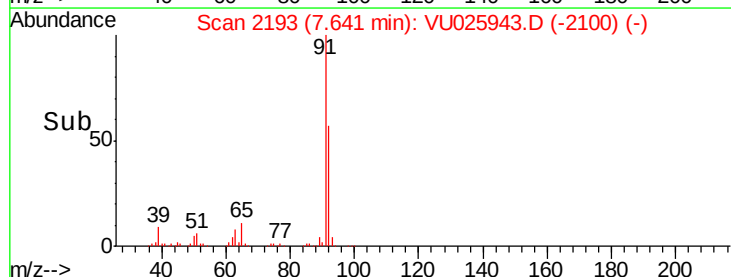
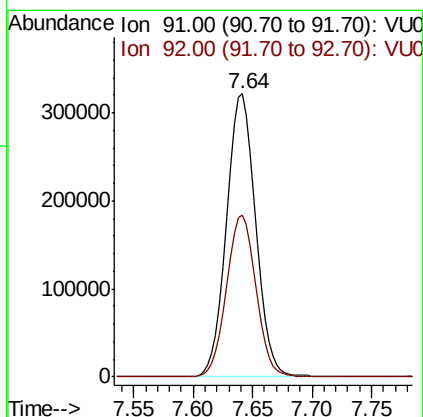
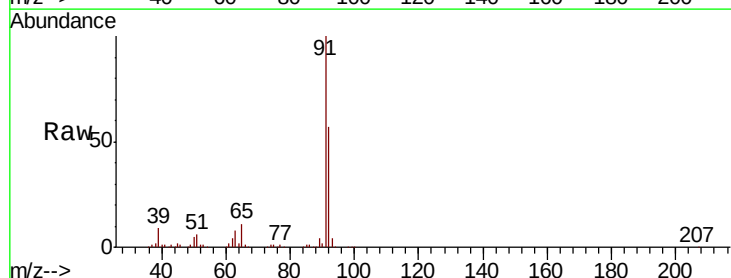
Instrument :
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 ClientSampleId :
 A4ZA4MSD

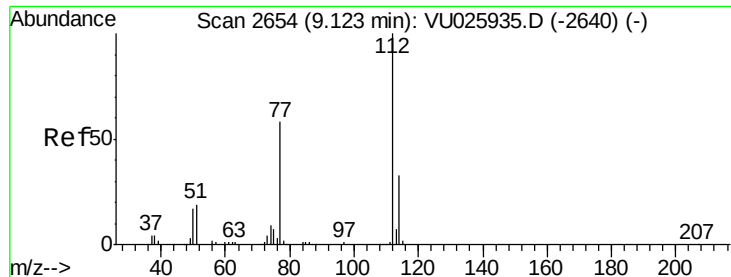
Tot Ion	43	Resp	10252
Ion Ratio	Lower	Upper	
43	100		
58	38.9	31.0	46.4
100	12.3	12.4	18.6



#42
 Toluene
 Concen: 54.21 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

Tgt Ion	91	Resp	547847
Ion Ratio	Lower	Upper	
91	100		
92	57.3	40.9	75.9





#51

Chlorobenzene

Concen: 1293.71 ug/L

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025943.D

Acq: 07 Aug 2018 16:35

Instrument :

MSVOA_U

ClientSampleId :

A4ZA4MSD

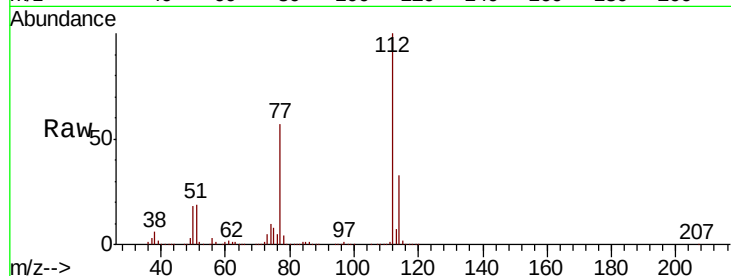
Tot Ion:112 Resp: 8952132

Ion Ratio Lower Upper

112 100

114 32.5 22.9 42.5

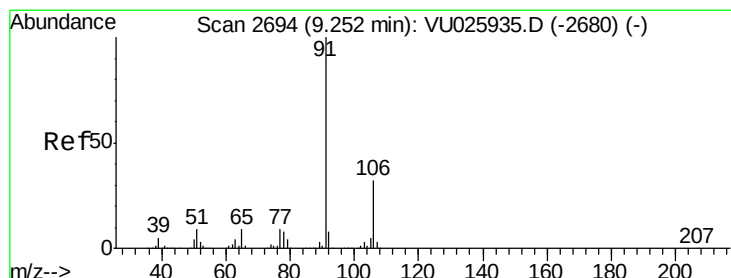
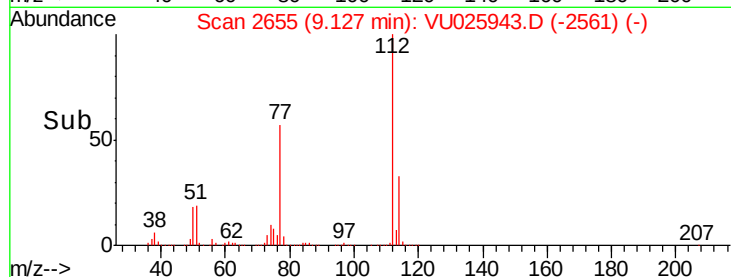
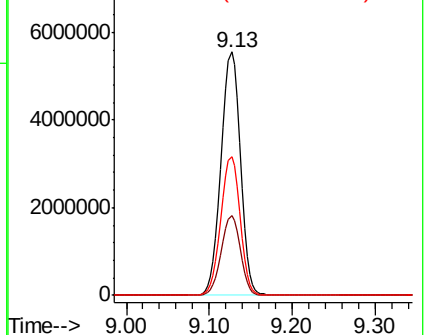
77 56.9 46.6 70.0



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): VU0



#52

Ethylbenzene

Concen: 1.60 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025943.D

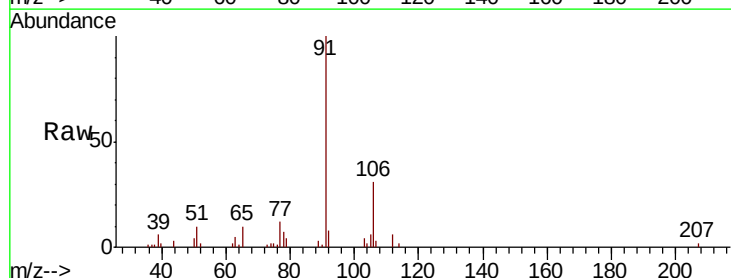
Acq: 07 Aug 2018 16:35

Tgt Ion: 91 Resp: 18405

Ion Ratio Lower Upper

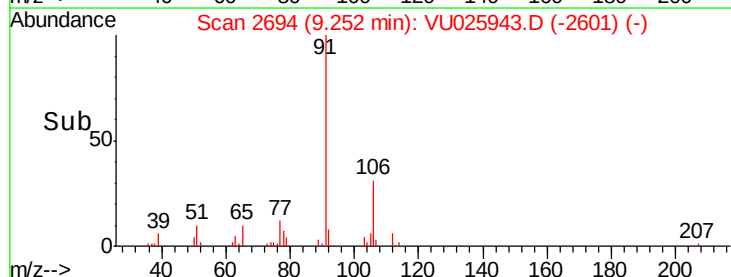
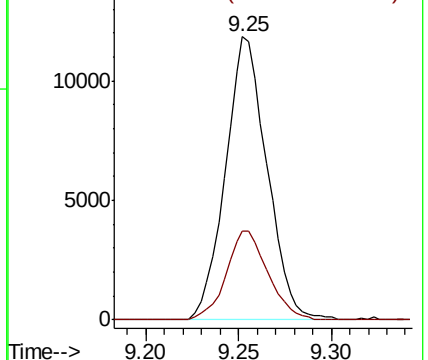
91 100

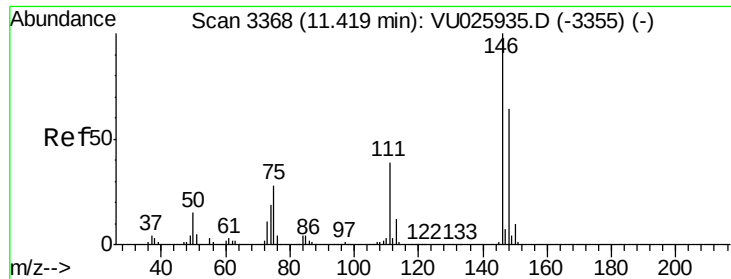
106 31.3 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

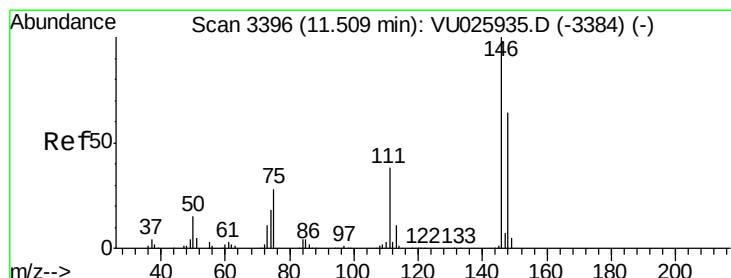
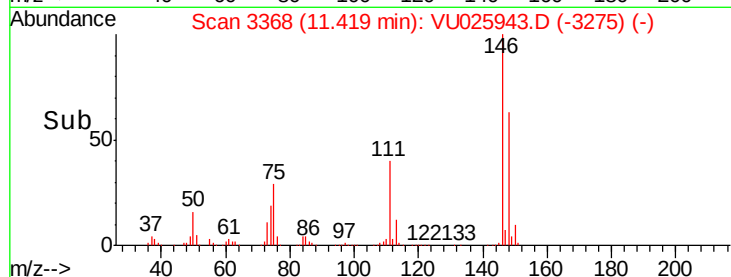
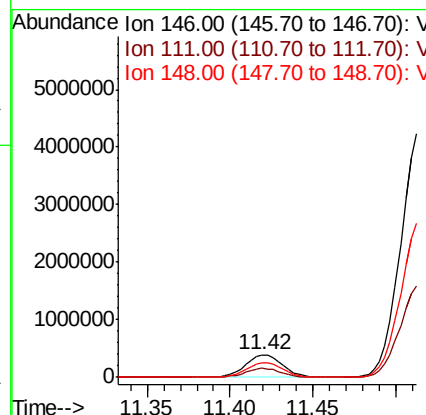
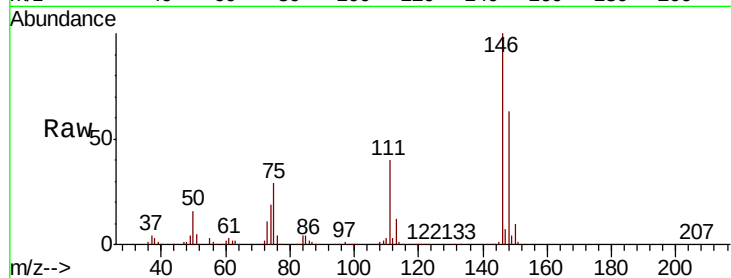




#62
 1,3-Dichlorobenzene
 Concen: 101.02 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

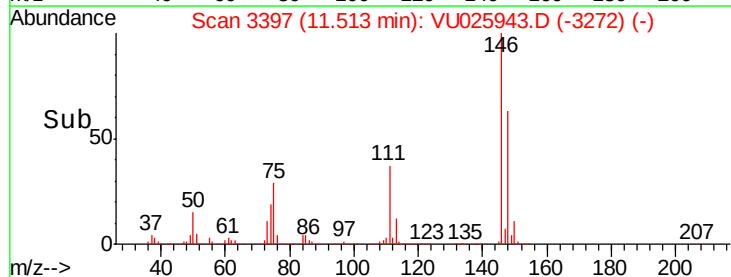
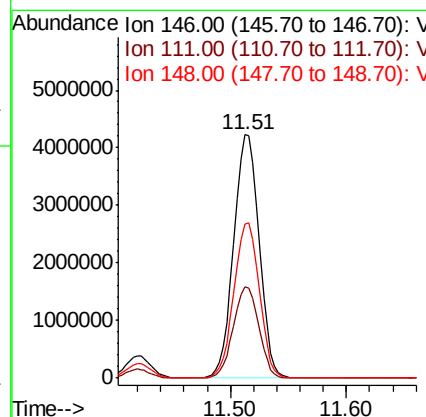
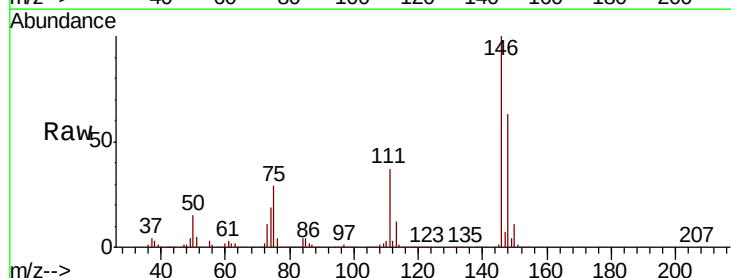
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MSD

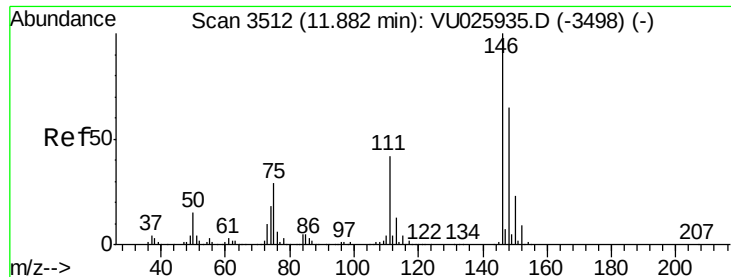
Tot Ion:146 Resp: 603754
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.5 51.1
 148 63.4 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 1051.77 ug/L
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

Tgt Ion:146 Resp: 6404155
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.7 49.7
 148 63.3 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 1089.23 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025943.D

Acq: 07 Aug 2018 16:35

Instrument :

MSVOA_U

ClientSampleId :

A4ZA4MSD

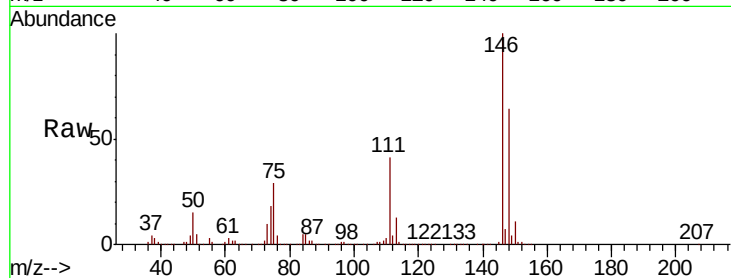
Tot Ion:146 Resp: 6527399

Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.4	50.0
148	64.5	51.8	77.8

146 100

111 40.5 33.4 50.0

148 64.5 51.8 77.8

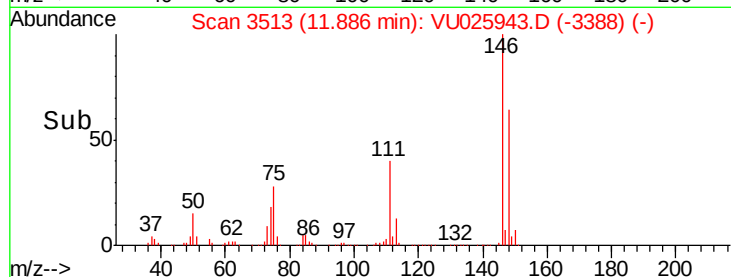


Abundance Ion 146.00 (145.70 to 146.70): V

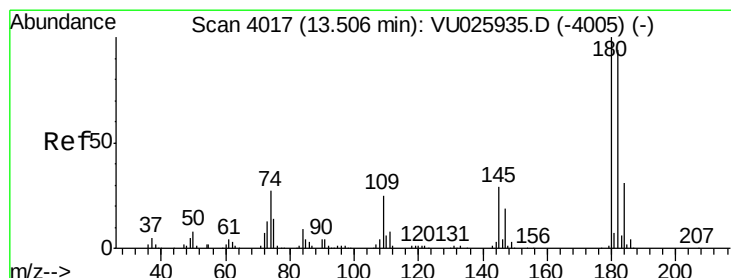
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

Time-->



Time-->



#68

1,2,4-trichlorobenzene

Concen: 1131.62 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025943.D

Acq: 07 Aug 2018 16:35

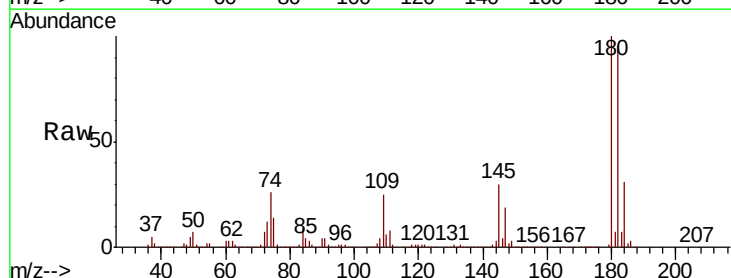
Tgt Ion:180 Resp: 4325183

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.3	112.9
145	29.8	23.1	34.7

180 100

182 95.4 75.3 112.9

145 29.8 23.1 34.7

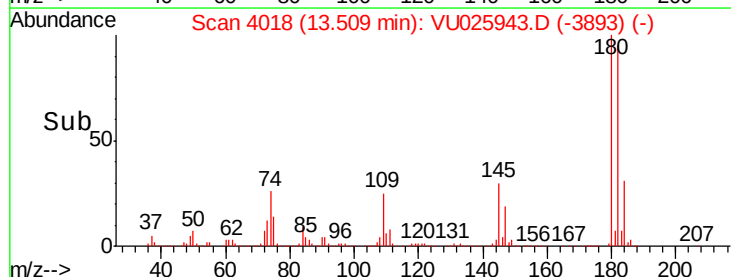


Abundance Ion 180.00 (179.70 to 180.70): V

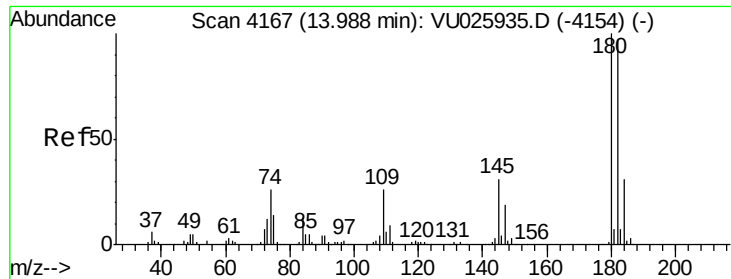
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



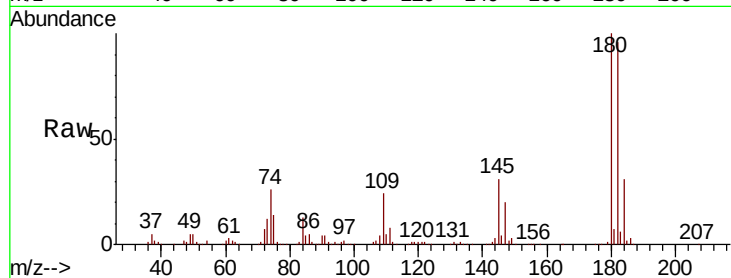
Time-->



#70
 1,2,3-Trichlorobenzene
 Concen: 252.34 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025943.D
 Acq: 07 Aug 2018 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA4MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.6	116.4
145	31.6	25.3	37.9



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

