

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081418\
 Data File : VU026104.D
 Acq On : 14 Aug 2018 16:18
 Operator : MD/SY
 Sample : J4451-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ3

Quant Time: Aug 14 16:36:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	266095	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	262224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	140299	50.00	ug/L	0.00

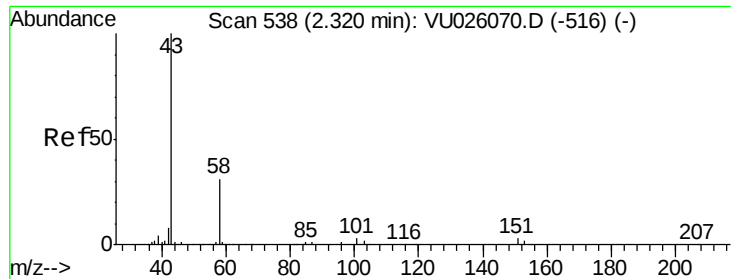
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68599	35.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.54%
7) Chloroethane-d5	1.67	69	63734	41.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.66%
11) 1,1-Dichloroethene-d2	2.27	63	106326	28.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.54%#
21) 2-Butanone-d5	4.18	46	164906	101.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.72%
24) Chloroform-d	4.65	84	53597	12.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	25.98%#
26) 1,2-Dichloroethane-d4	5.31	65	129402	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.35	84	342389	42.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.10%
36) 1,2-Dichloropropane-d6	6.33	67	117774	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.40%
41) Toluene-d8	7.57	98	311565	39.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.98%#
43) trans-1,3-Dichloropropene-	7.85	79	56958	42.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.82%
47) 2-Hexanone-d5	8.31	63	108226	90.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.44%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	7649	1.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	3.98%#
64) 1,2-Dichlorobenzene-d4	11.54	152	91	0.03	ug/L	-0.32
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.06%#

Target Compounds

						Qvalue
13) Acetone	2.32	43	600039	595.839	ug/L	100
22) 2-Butanone	4.26	43	175765	120.624	ug/L	99
25) Chloroform	4.68	83	129660	37.504	ug/L	100
34) Trichloroethene	6.18	95	6484	3.323	ug/L	85
42) Toluene	7.64	91	21251	2.681	ug/L	97
48) 2-Hexanone	8.36	43	6076	2.778	ug/L #	84
51) Chlorobenzene	9.12	112	2056149	384.672	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	212256	48.596	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	1256835	274.494	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1693228	364.201	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	2259	2.768	ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	1071612	328.271	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	1071612	388.190	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	269895	90.965	ug/L	99

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



#13

Acetone

Concen: 595.839 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

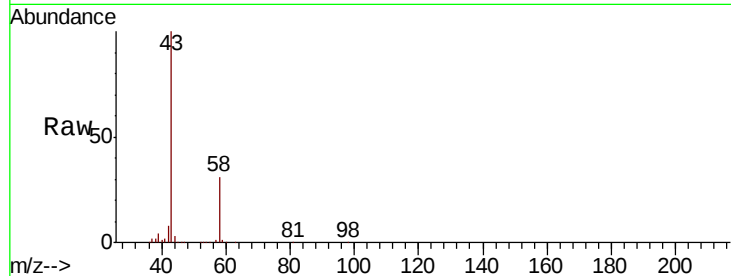
A4ZJ3

Tgt Ion: 43 Resp: 600039

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

400000

300000

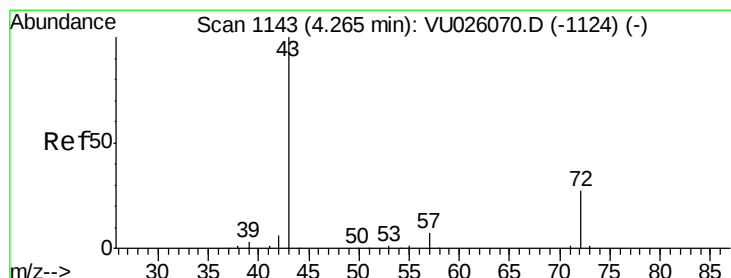
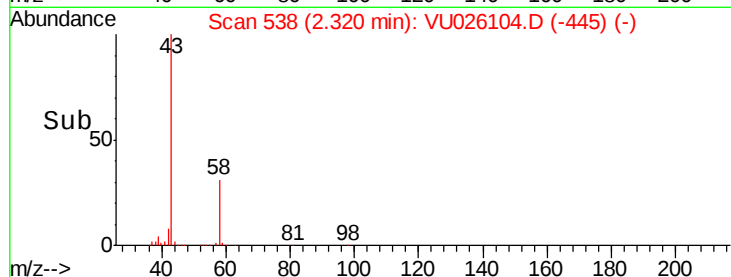
200000

100000

0

2.30 2.40

Time-->



#22

2-Butanone

Concen: 120.624 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026104.D

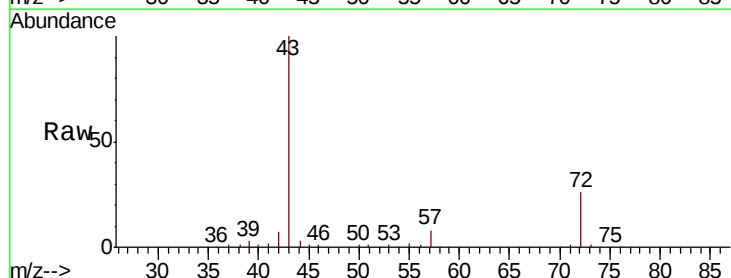
Acq: 14 Aug 2018 16:18

Tgt Ion: 43 Resp: 175765

Ion Ratio Lower Upper

43 100

72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

80000

60000

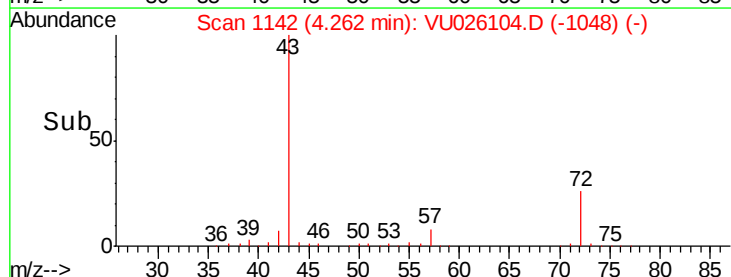
40000

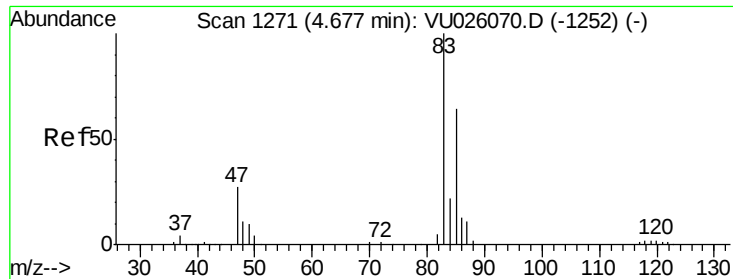
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0

4.15 4.20 4.25 4.30 4.35

Time-->

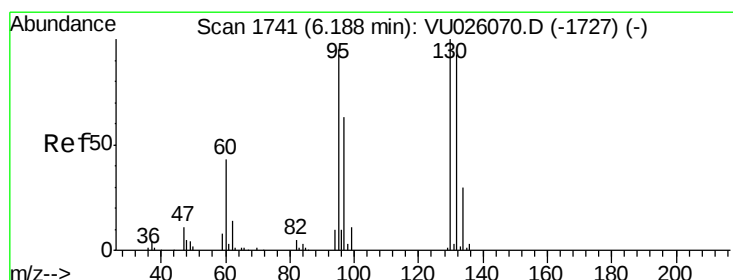
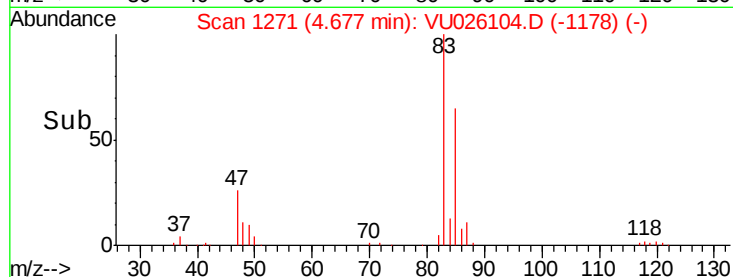
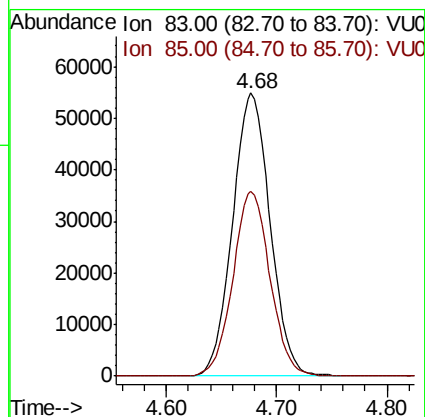
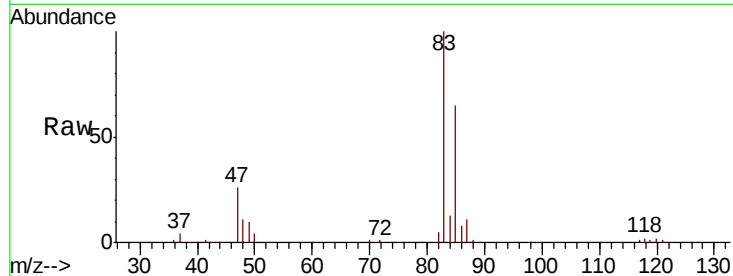




#25
Chloroform
Concen: 37.504 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026104.D
Acq: 14 Aug 2018 16:18

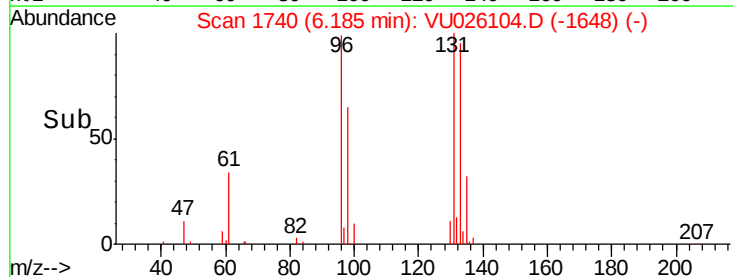
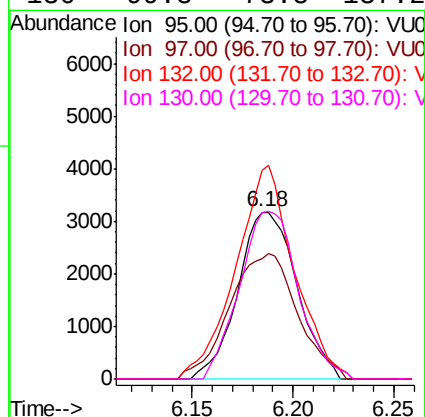
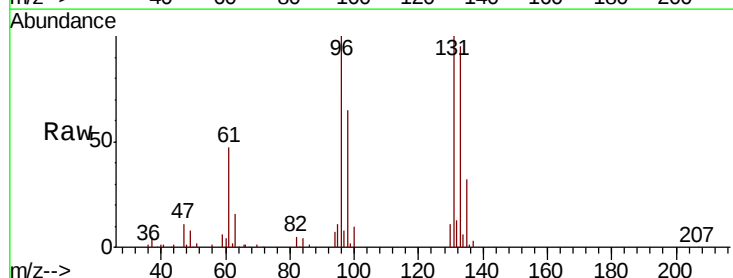
Instrument :
MSVOA_U
ClientSampleId :
A4ZJ3

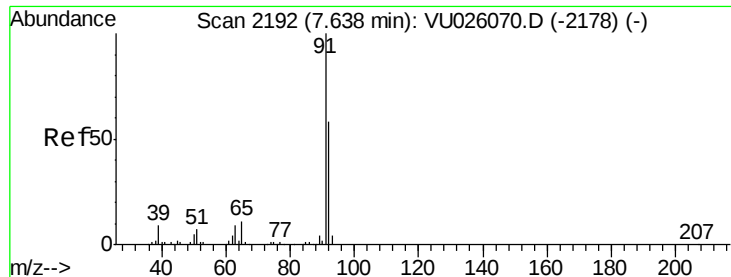
Tgt Ion: 83 Resp: 129660
Ion Ratio Lower Upper
83 100
85 65.3 45.9 85.3



#34
Trichloroethene
Concen: 3.323 ug/L
RT: 6.18 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VU026104.D
Acq: 14 Aug 2018 16:18

Tgt Ion: 95 Resp: 6484
Ion Ratio Lower Upper
95 100
97 72.7 45.2 84.0
132 125.3 68.2 126.6
130 99.8 73.8 137.2





#42

Toluene

Concen: 2.681 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

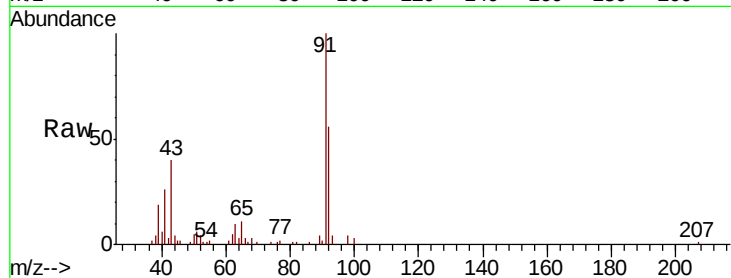
A4ZJ3

Tgt Ion: 91 Resp: 21251

Ion Ratio Lower Upper

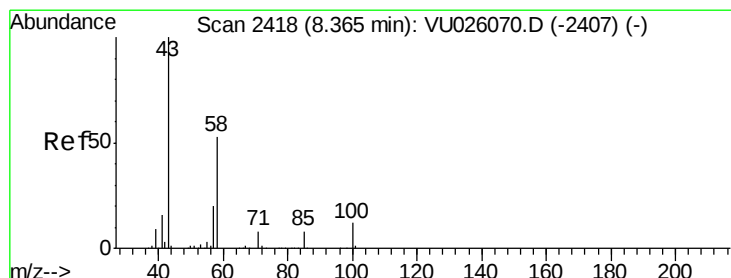
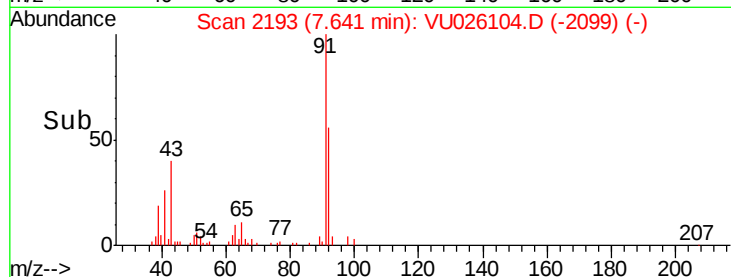
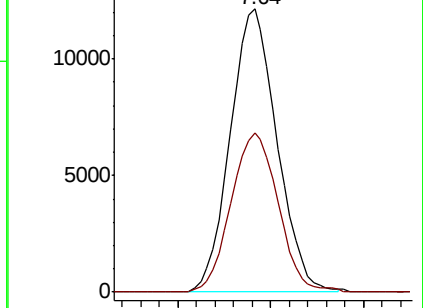
91 100

92 56.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VU026104.D (-2199) (-)

Ion 92.00 (91.70 to 92.70): VU026104.D (-2199) (-)



#48

2-Hexanone

Concen: 2.778 ug/L

RT: 8.36 min Scan# 2418

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

Tgt Ion: 43 Resp: 6076

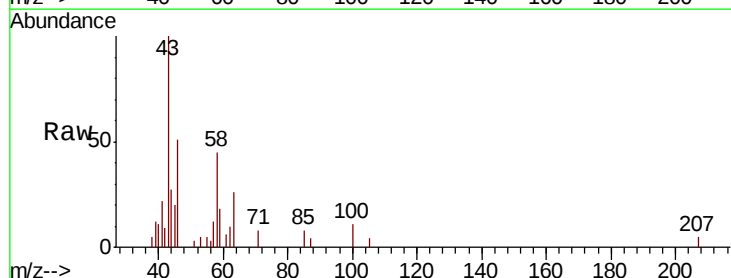
Ion Ratio Lower Upper

43 100

58 44.3 43.6 65.4

57 6.4 15.1 22.7#

100 8.8 9.3 13.9#

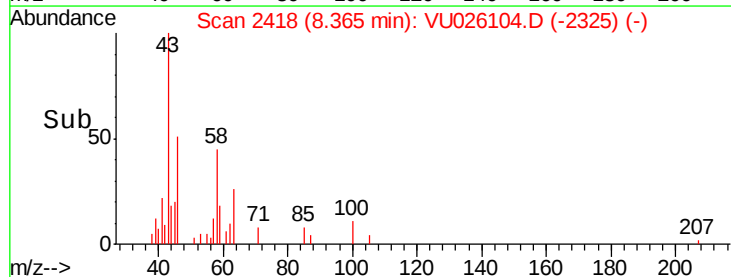
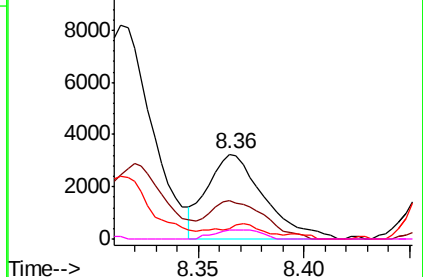


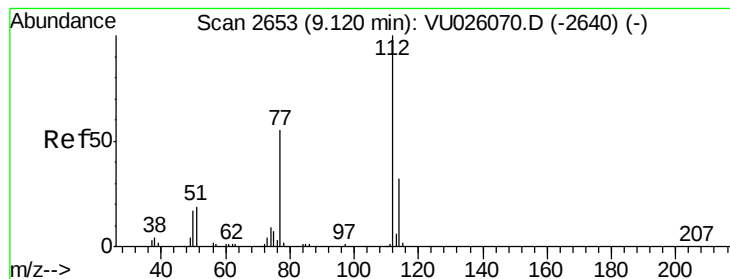
Abundance Ion 43.00 (42.70 to 43.70): VU026104.D (-2325) (-)

Ion 58.00 (57.70 to 58.70): VU026104.D (-2325) (-)

Ion 57.00 (56.70 to 57.70): VU026104.D (-2325) (-)

Ion 100.00 (99.70 to 100.70): VU026104.D (-2325) (-)





#51

Chlorobenzene

Concen: 384.672 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ3

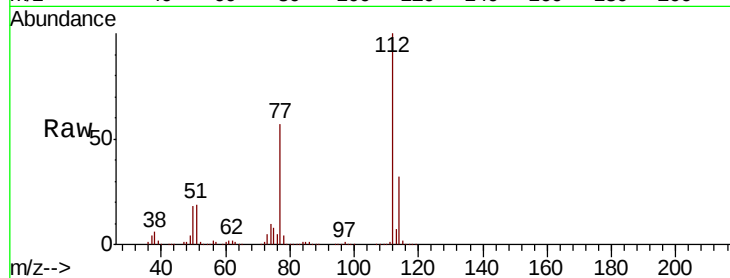
Tgt Ion:112 Resp: 2056149

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.3

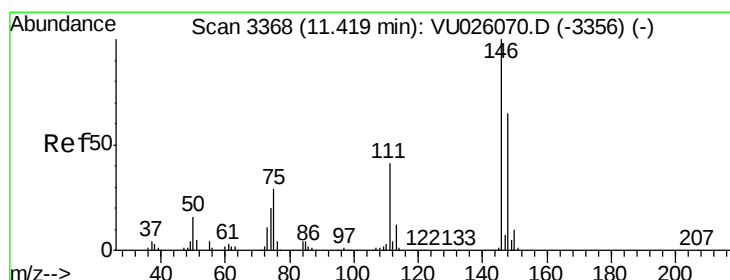
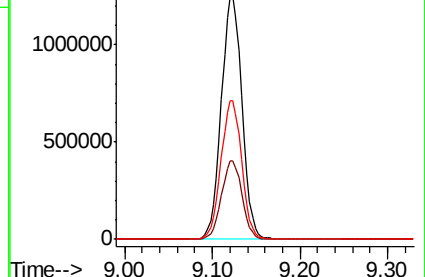
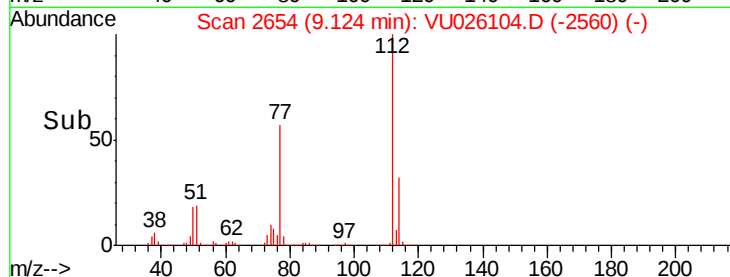
77 56.7 45.2 67.8



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): VU0



#62

1,3-Dichlorobenzene

Concen: 48.596 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

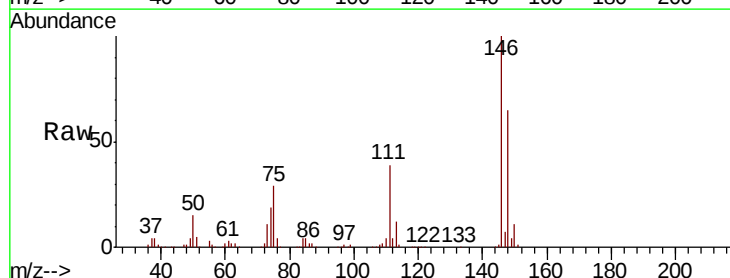
Tgt Ion:146 Resp: 212256

Ion Ratio Lower Upper

146 100

111 38.7 27.9 51.9

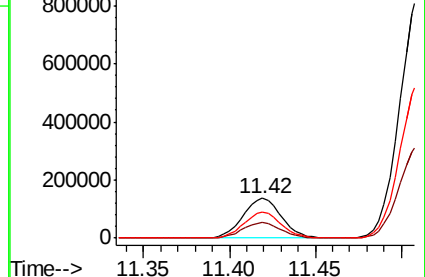
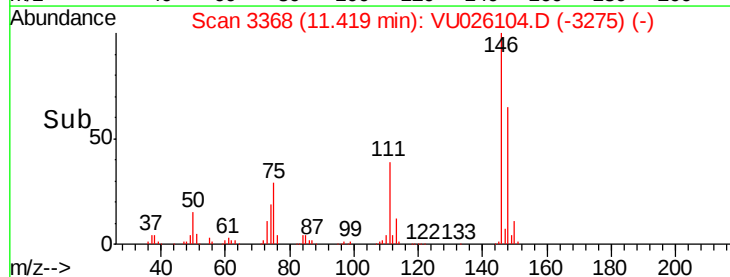
148 65.3 46.0 85.4

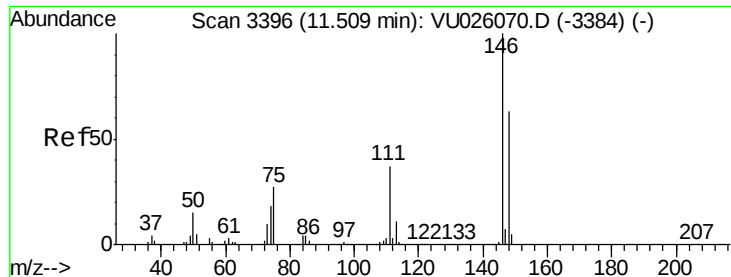


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

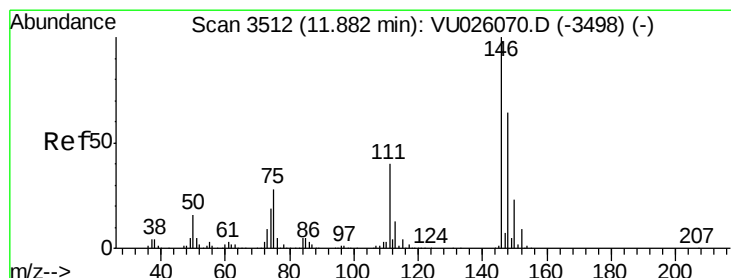
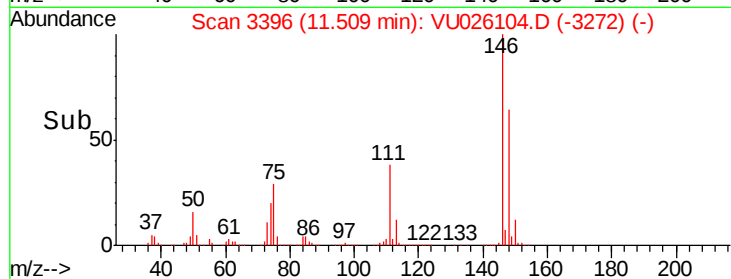
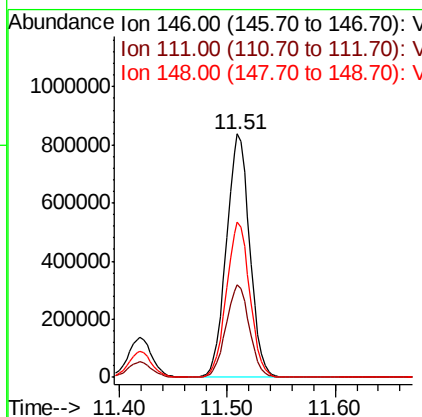
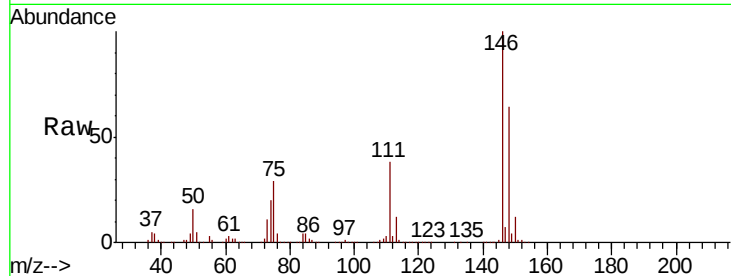




#63
 1,4-Dichlorobenzene
 Concen: 274.494 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026104.D
 Acq: 14 Aug 2018 16:18

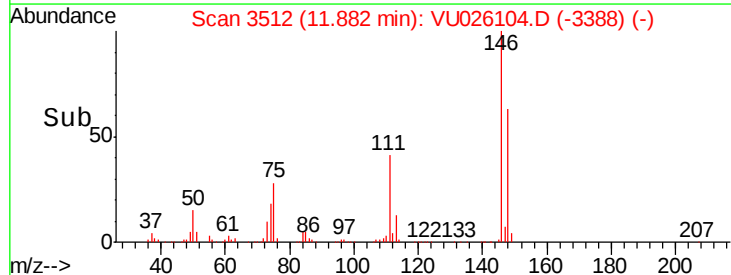
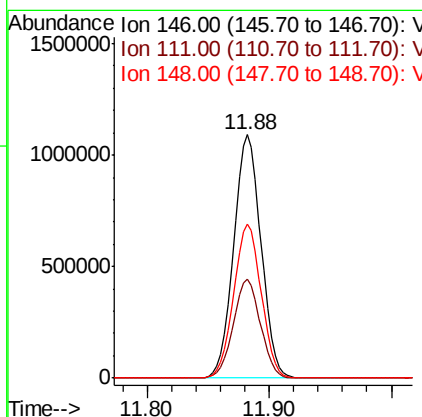
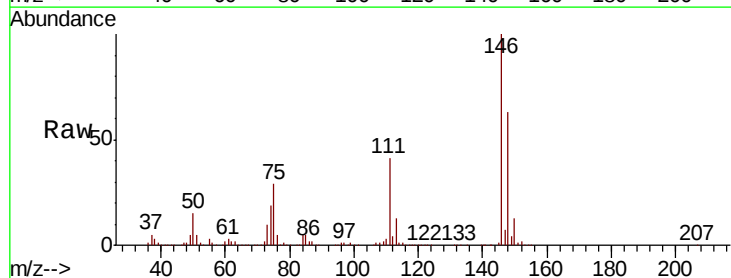
Instrument :
 MSVOA_U
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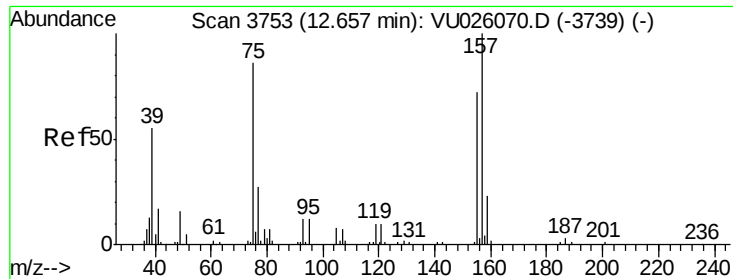
Tgt Ion:146 Resp: 1256835
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.4 49.0
 148 63.8 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 364.201 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026104.D
 Acq: 14 Aug 2018 16:18

Tgt Ion:146 Resp: 1693228
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.4 48.6
 148 63.5 50.1 75.1

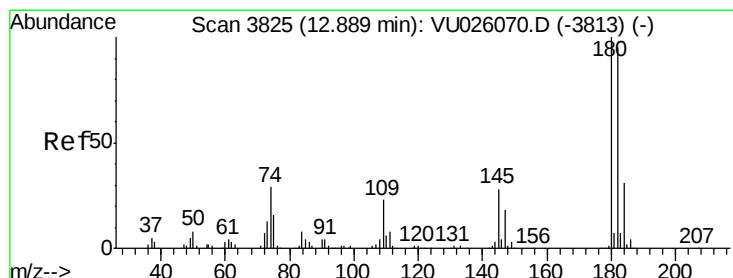
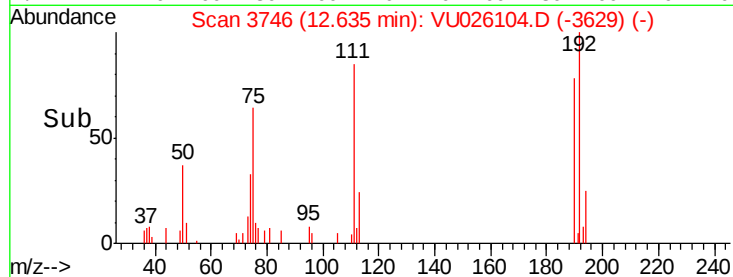
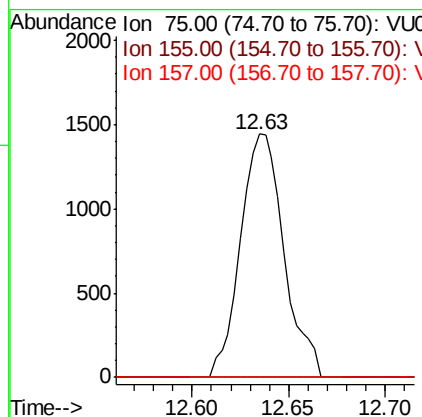
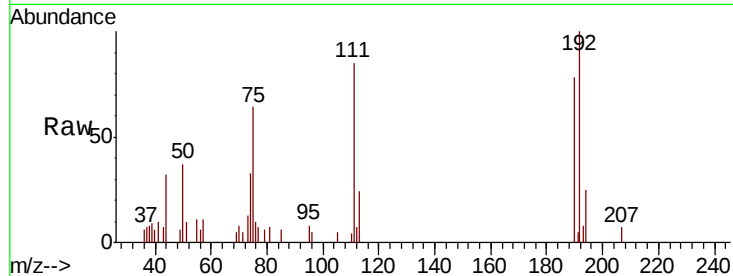




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.768 ug/L
 RT: 12.63 min Scan# 3746
 Delta R.T. -0.02 min
 Lab File: VU026104.D
 Acq: 14 Aug 2018 16:18

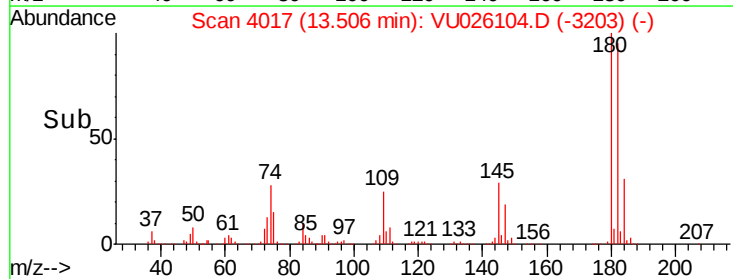
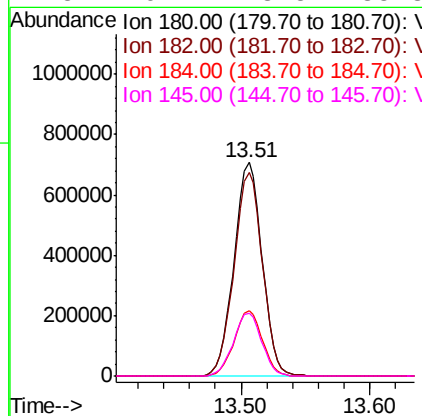
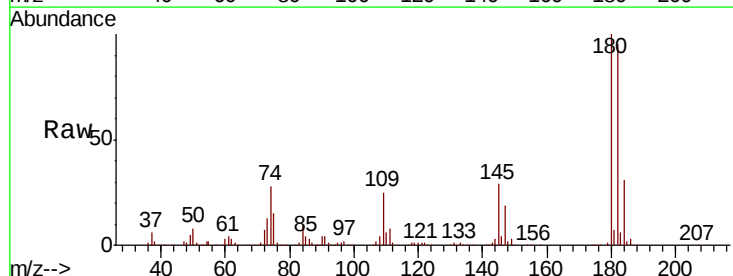
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ3

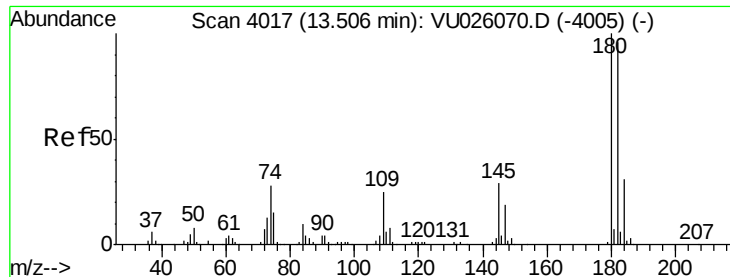
Tgt Ion: 75 Resp: 2259
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.8 107.8#
 157 0.0 93.0 139.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 328.271 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026104.D
 Acq: 14 Aug 2018 16:18

Tgt Ion: 180 Resp: 1071612
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.5 114.7
 184 30.8 24.3 36.5
 145 29.7 23.5 35.3





#68

1,2,4-trichlorobenzene

Concen: 388.190 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ3

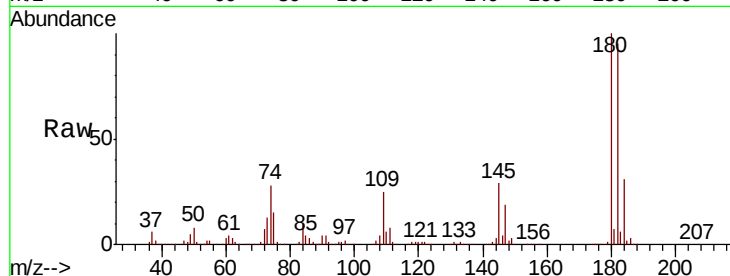
Tgt Ion:180 Resp: 1071612

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

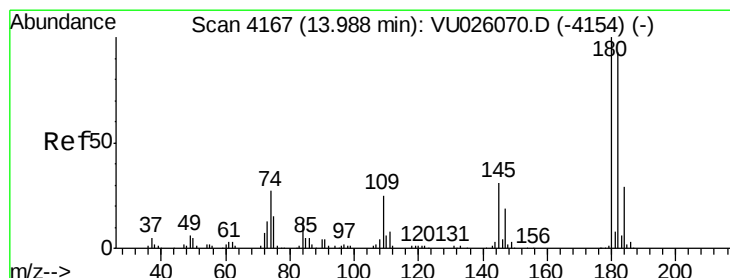
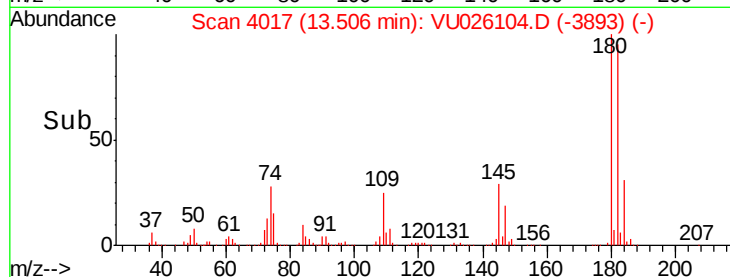
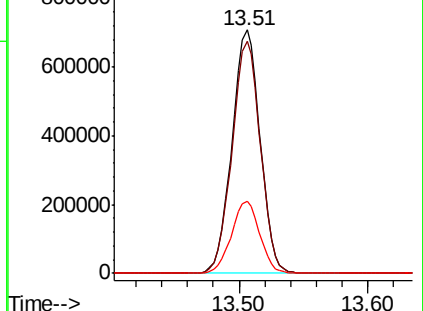
145 29.7 24.2 36.4



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: 90.965 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026104.D

Acq: 14 Aug 2018 16:18

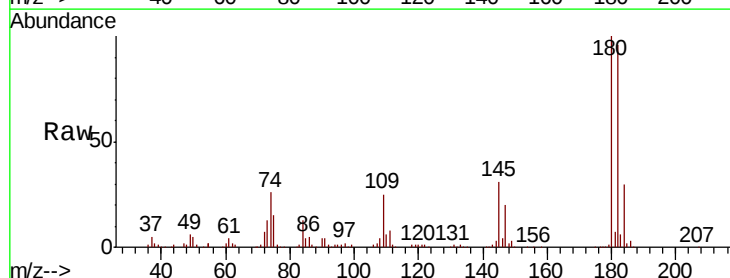
Tgt Ion:180 Resp: 269895

Ion Ratio Lower Upper

180 100

182 96.9 76.5 114.7

145 31.7 24.7 37.1



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

