

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026047.D
 Acq On : 10 Aug 2018 16:44
 Operator : MD/SY
 Sample : J4401-08DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE8DL

Quant Time: Aug 11 01:36:08 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	277440	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	261660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	114676	50.00	ug/L	0.00

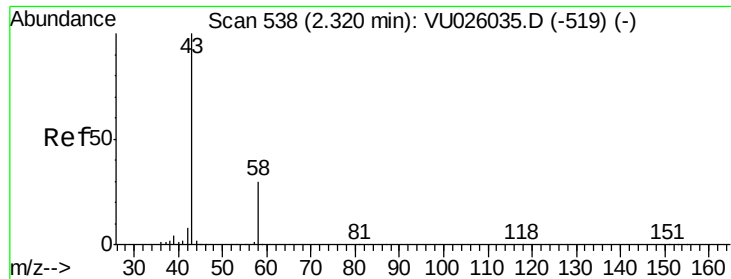
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71278	35.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.30%
7) Chloroethane-d5	1.67	69	54853	34.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.24%#
11) 1,1-Dichloroethene-d2	2.27	63	107771	27.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.94%#
21) 2-Butanone-d5	4.18	46	90561	53.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	53.58%
24) Chloroform-d	4.65	84	136861	31.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.66%#
26) 1,2-Dichloroethane-d4	5.31	65	88527	30.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	60.94%#
32) Benzene-d6	5.34	84	265838	32.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.44%#
36) 1,2-Dichloropropane-d6	6.33	67	83152	31.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	63.26%#
41) Toluene-d8	7.57	98	239008	30.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	61.50%#
43) trans-1,3-Dichloropropene-	7.85	79	37827	28.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.12%#
47) 2-Hexanone-d5	8.31	63	61660	51.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	51.64%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	107308	27.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	55.82%#
64) 1,2-Dichlorobenzene-d4	11.86	152	90053	31.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.72%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.33	43	3179	3.028	ug/L	93
35) Methylcyclohexane	6.33	83	19746	6.642	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	9152	4.488	ug/L #	88
51) Chlorobenzene	9.12	112	78398	14.699	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	12947	3.627	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	59717	15.956	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	65568	17.254	ug/L	97
67) 1,3,5-Trichlorobenzene	13.51	180	65312	24.478	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	65312	28.946	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	14267	5.883	ug/L	98

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



#13

Acetone

Concen: 3.028 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU026047.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

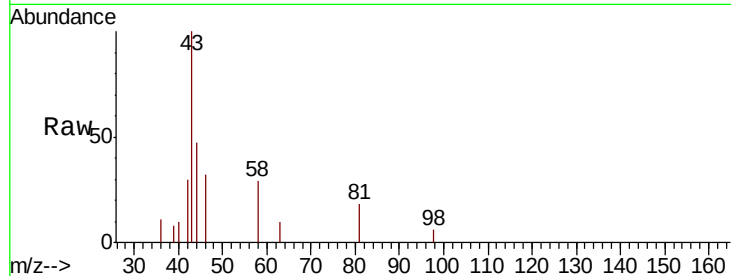
A4ZE8DL

Tot Ion: 43 Resp: 3179

Ion Ratio Lower Upper

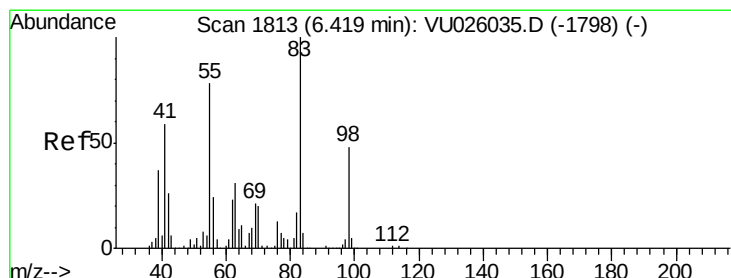
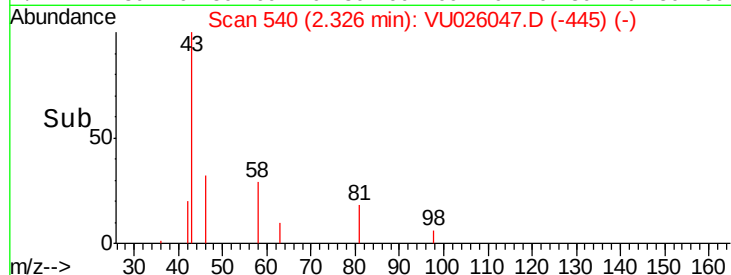
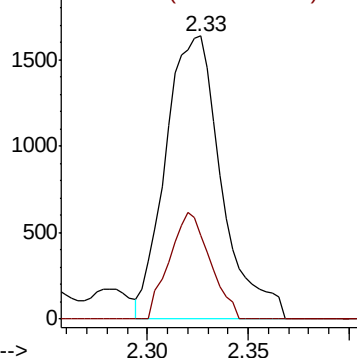
43 100

58 27.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 6.642 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026047.D

Acq: 10 Aug 2018 16:44

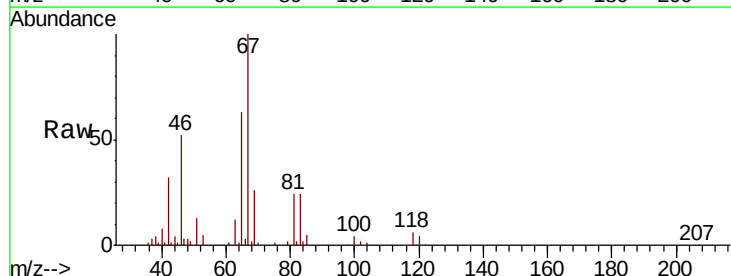
Tgt Ion: 83 Resp: 19746

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

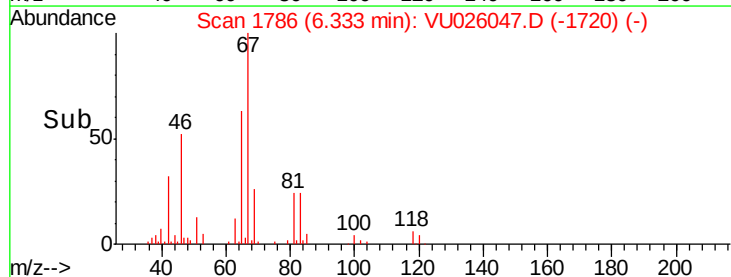
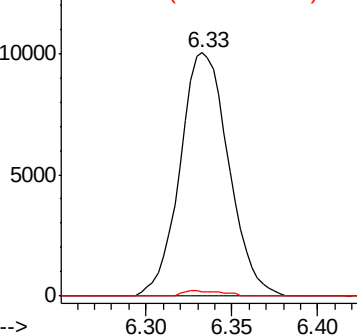
98 1.1 38.1 57.1#

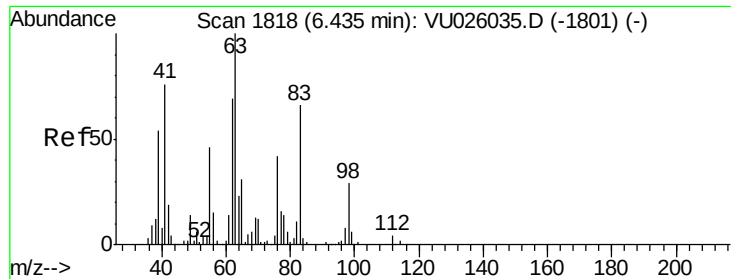


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

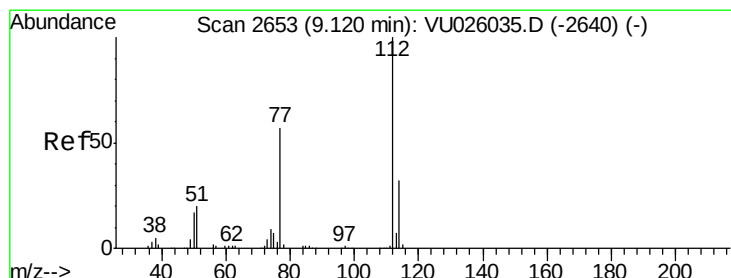
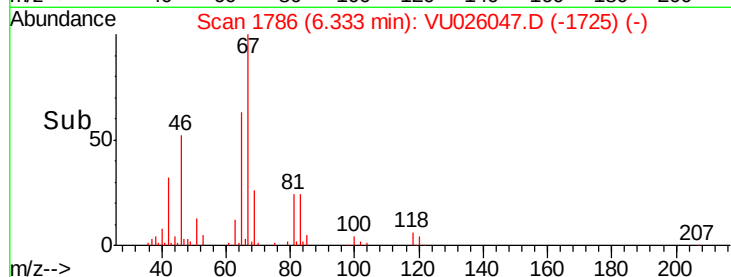
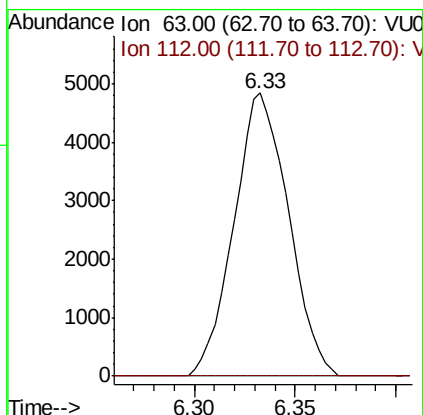
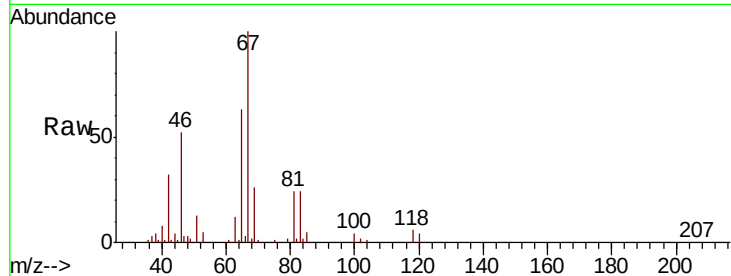




#37
 1,2-Dichloropropane
 Concen: 4.488 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

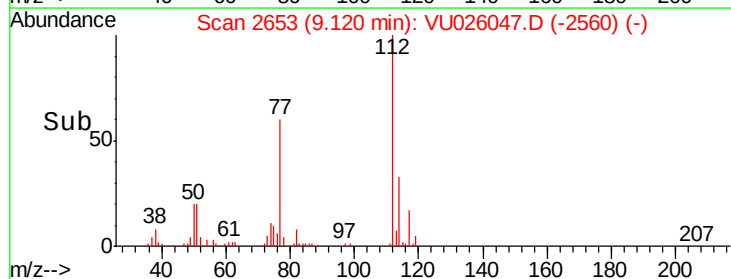
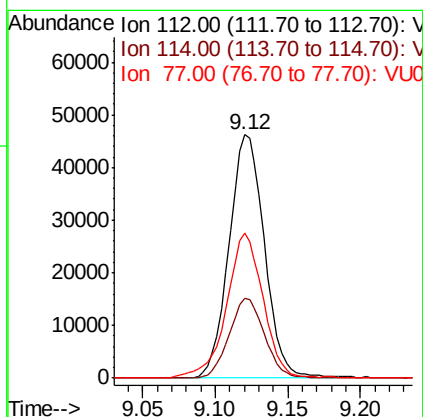
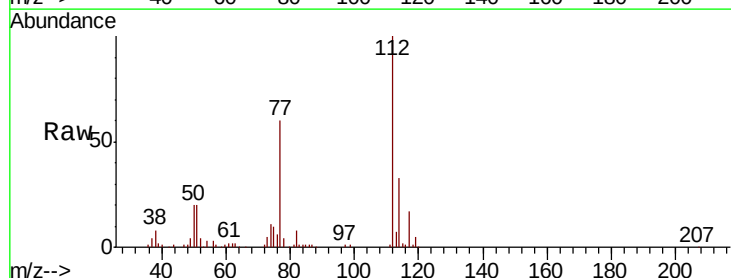
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE8DL

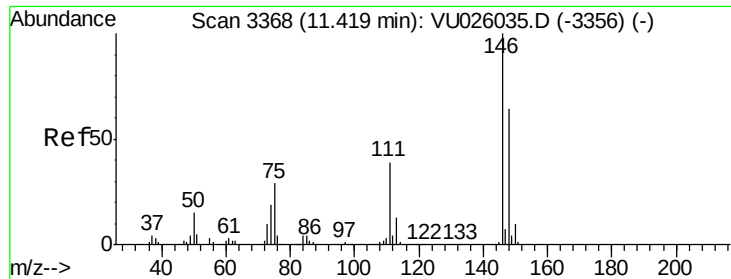
Tot Ion: 63 Resp: 9152
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#51
 Chlorobenzene
 Concen: 14.699 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

Tgt Ion: 112 Resp: 78398
 Ion Ratio Lower Upper
 112 100
 114 32.8 22.7 42.3
 77 59.6 45.2 67.8





#62

1,3-Dichlorobenzene

Concen: 3.627 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026047.D

Acq: 10 Aug 2018 16:44

Instrument :

MSVOA_U

ClientSampled :

A4ZE8DL

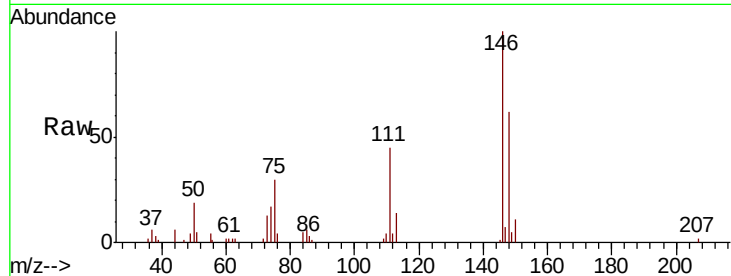
Tot Ion:146 Resp: 12947

Ion Ratio Lower Upper

146 100

111 44.5 27.9 51.9

148 62.3 46.0 85.4

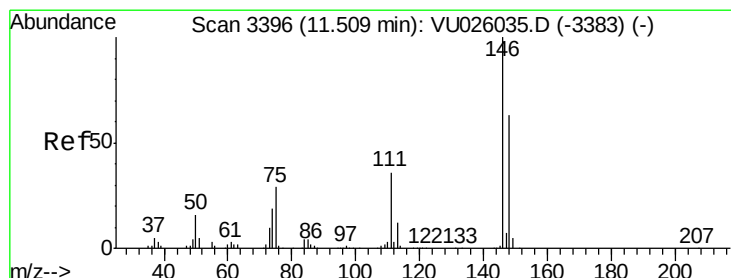
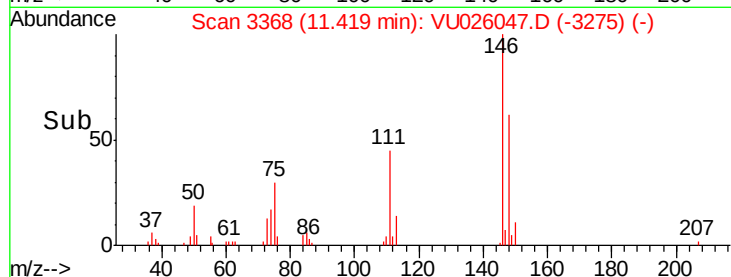
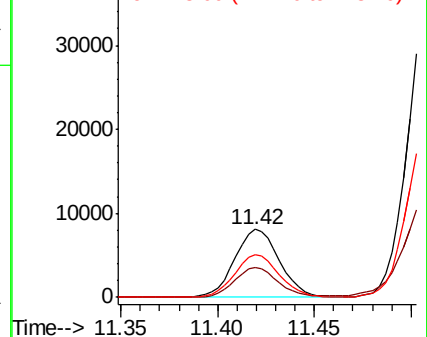


Abundance

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: 15.956 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026047.D

Acq: 10 Aug 2018 16:44

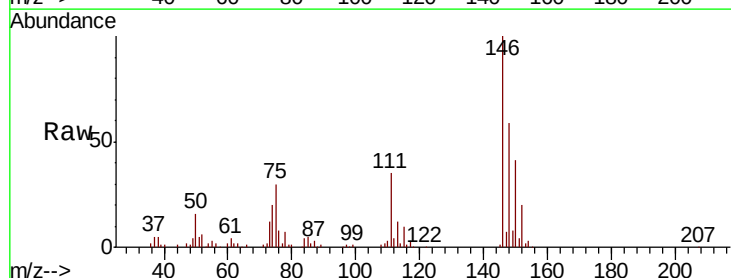
Tgt Ion:146 Resp: 59717

Ion Ratio Lower Upper

146 100

111 35.0 26.4 49.0

148 59.2 43.8 81.4

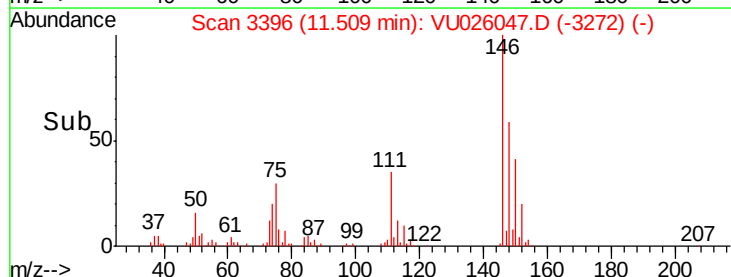
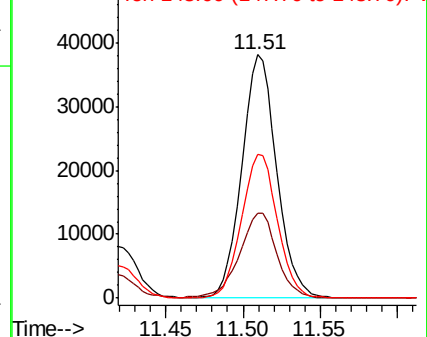


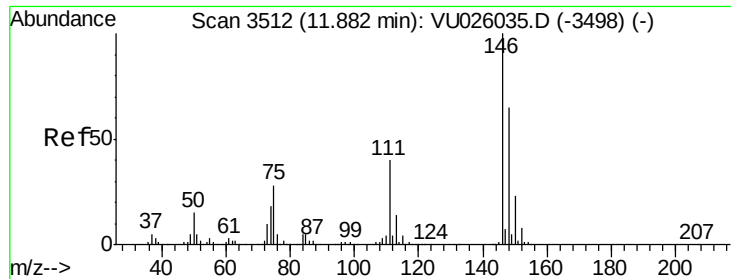
Abundance

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

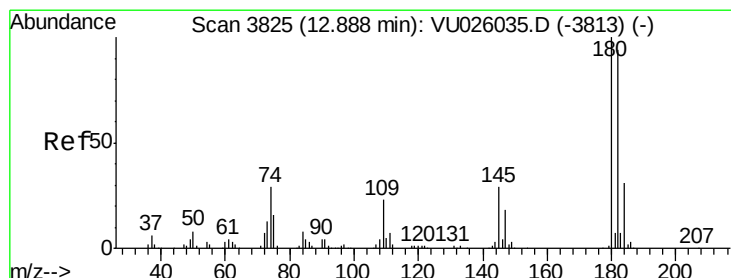
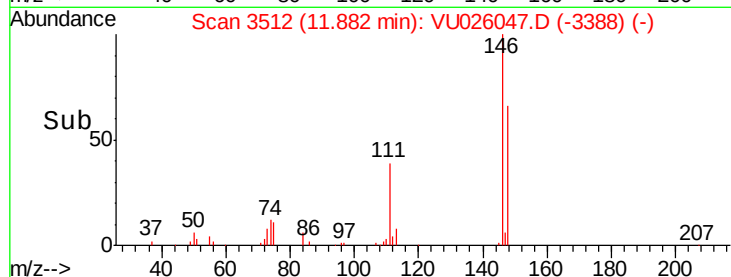
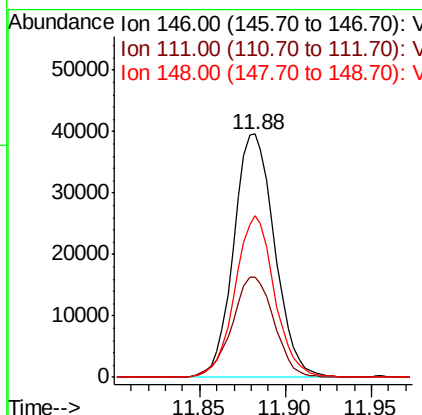
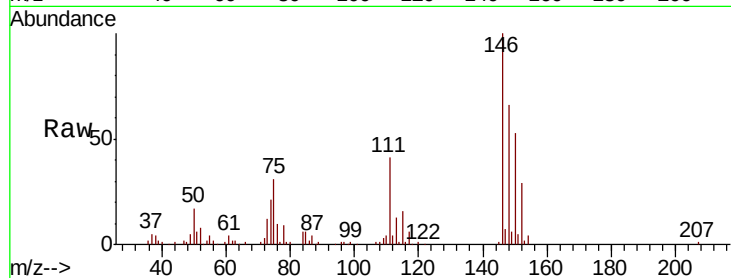




#65
 1,2-Dichlorobenzene
 Concen: 17.254 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

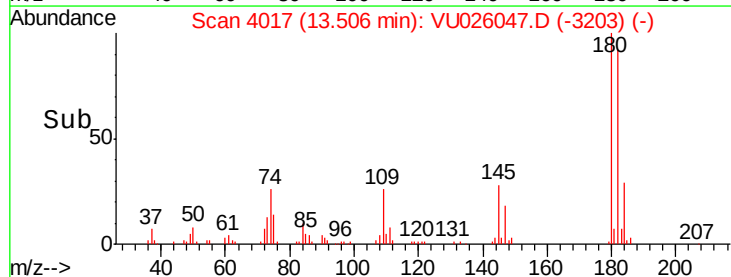
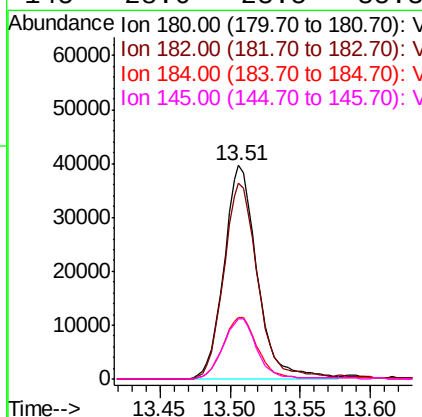
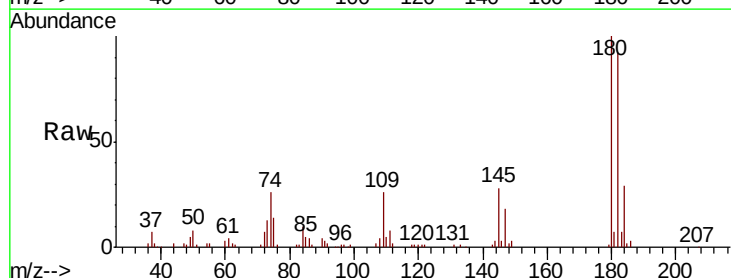
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE8DL

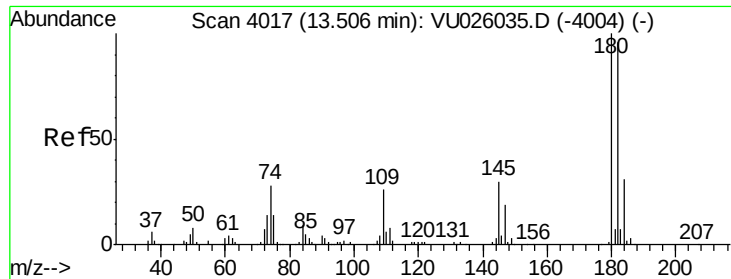
Tot Ion:146 Resp: 65568
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.4 48.6
 148 66.2 50.1 75.1



#67
 1,3,5-Trichlorobenzene
 Concen: 24.478 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

Tgt Ion:180 Resp: 65312
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.5 114.7
 184 29.5 24.3 36.5
 145 28.6 23.5 35.3

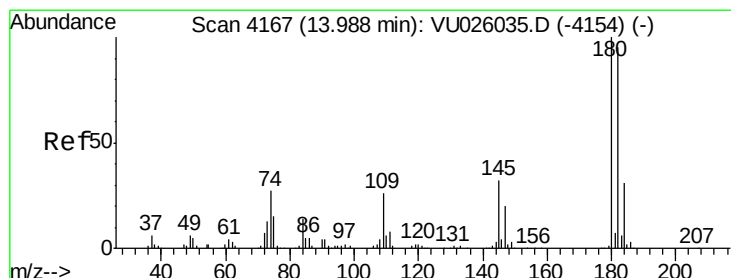
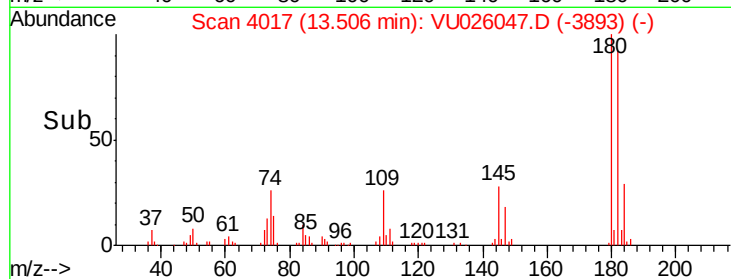
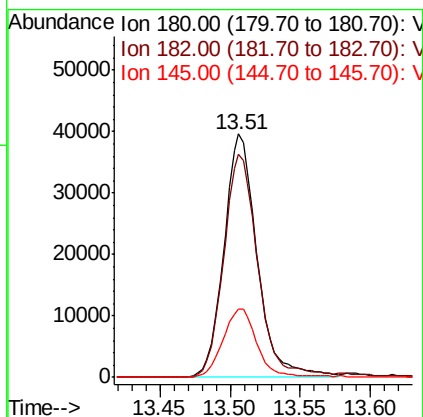
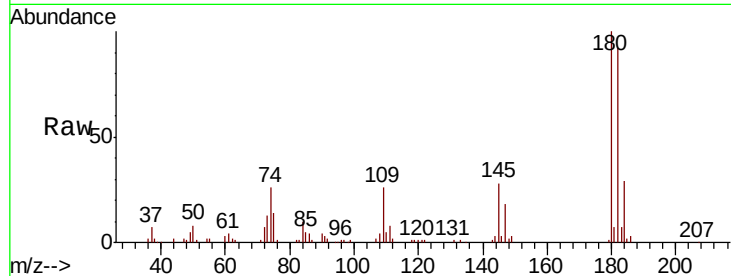




#68
 1,2,4-trichlorobenzene
 Concen: 28.946 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE8DL

Tot Ion:180 Resp: 65312
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.5 114.7
 145 28.6 24.2 36.4



#70
 1,2,3-Trichlorobenzene
 Concen: 5.883 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026047.D
 Acq: 10 Aug 2018 16:44

Tgt Ion:180 Resp: 14267
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.5 114.7
 145 31.5 24.7 37.1

