

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026048.D
 Acq On : 10 Aug 2018 17:08
 Operator : MD/SY
 Sample : J4401-09DL 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Quant Time: Aug 11 01:36:16 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	291522	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	275353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	129570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80501	37.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.56%
7) Chloroethane-d5	1.67	69	63722	37.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.44%
11) 1,1-Dichloroethene-d2	2.27	63	122965	30.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.74%
21) 2-Butanone-d5	4.18	46	106730	60.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	60.10%
24) Chloroform-d	4.65	84	154266	34.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.28%#
26) 1,2-Dichloroethane-d4	5.31	65	100364	32.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.76%#
32) Benzene-d6	5.35	84	305430	35.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.44%
36) 1,2-Dichloropropane-d6	6.33	67	97194	35.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.26%
41) Toluene-d8	7.57	98	281647	34.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.86%#
43) trans-1,3-Dichloropropene-	7.85	79	44436	31.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.76%
47) 2-Hexanone-d5	8.31	63	73266	58.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	58.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	126976	31.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	62.76%#
64) 1,2-Dichlorobenzene-d4	11.86	152	111628	34.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.90%#

Target Compounds

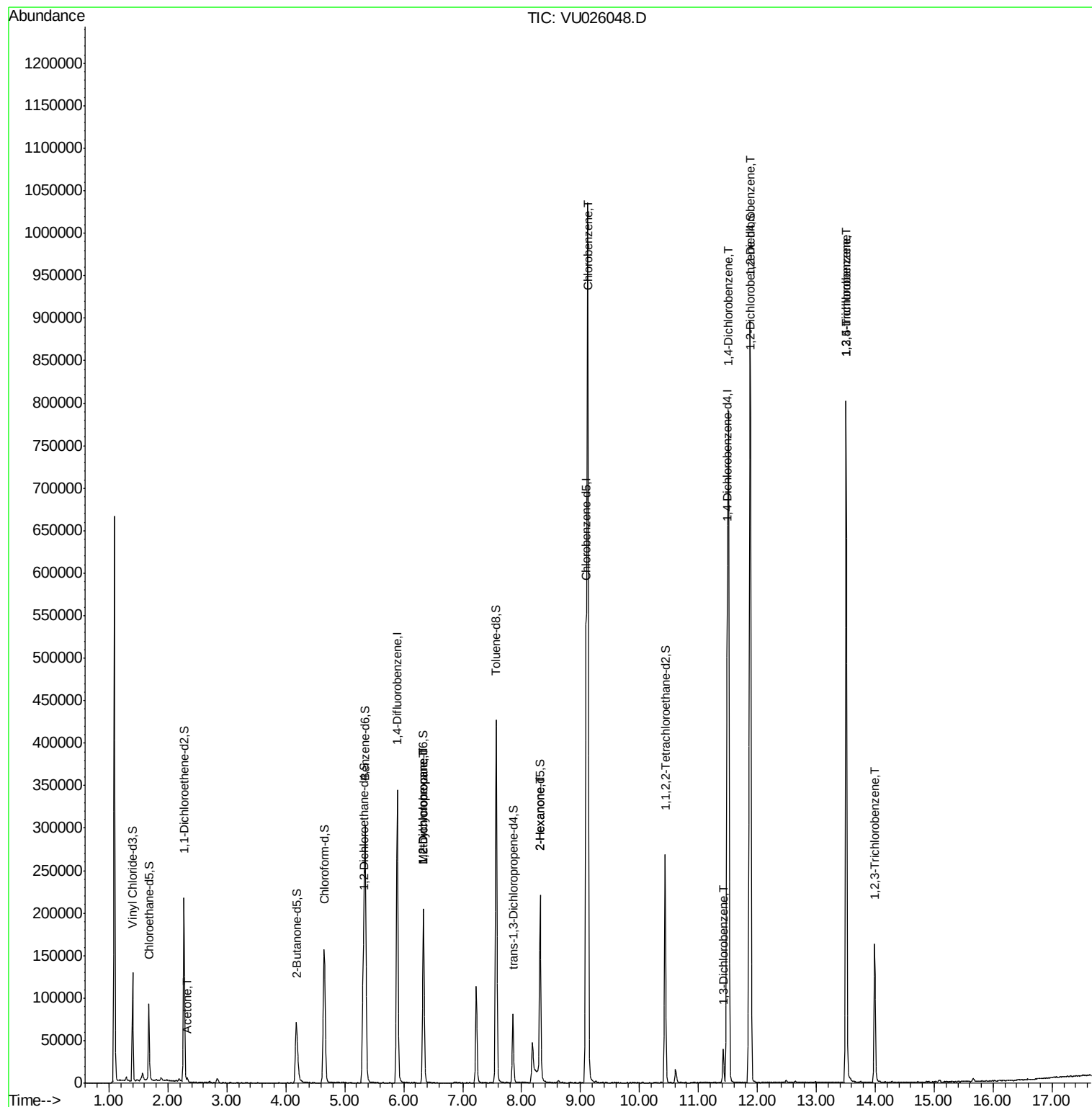
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	2560	2.320	ug/L	83
35) Methylcyclohexane	6.33	83	22873	7.311	ug/L #	19
37) 1,2-Dichloropropane	6.33	63	10837	5.050	ug/L #	88
48) 2-Hexanone	8.31	43	8821	3.840	ug/L #	65
51) Chlorobenzene	9.12	112	545513	97.190	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	16904	4.191	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	296631	70.149	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	319908	74.508	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	246274	81.689	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	246274	96.600	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	54564	19.913	ug/L	99

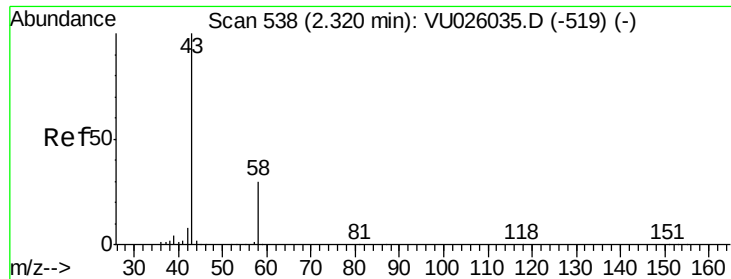
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.320 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

Instrument :

MSVOA_U

ClientSampleId :

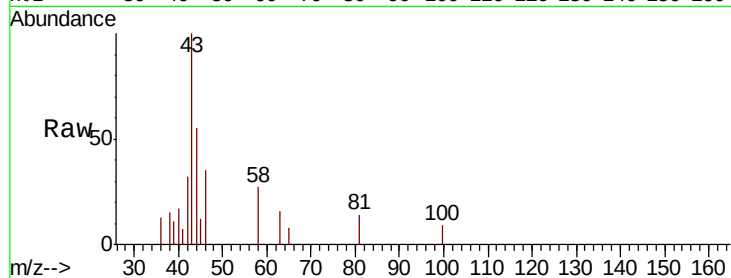
A4ZE9DL

Tot Ion: 43 Resp: 2560

Ion Ratio Lower Upper

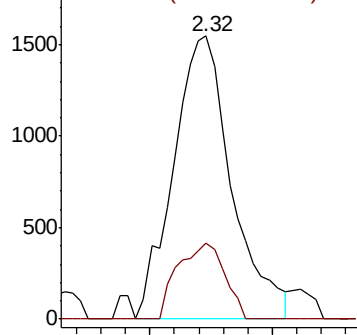
43 100

58 21.5 0.0 61.8

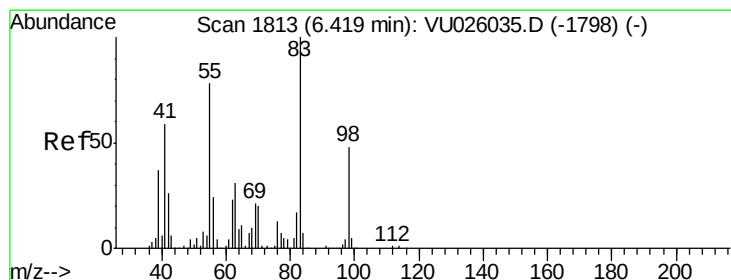
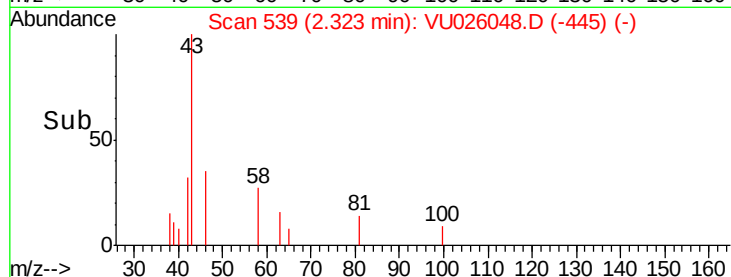


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#35

Methylcyclohexane

Concen: 7.311 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.09 min

Lab File: VU026048.D

Acq: 10 Aug 2018 17:08

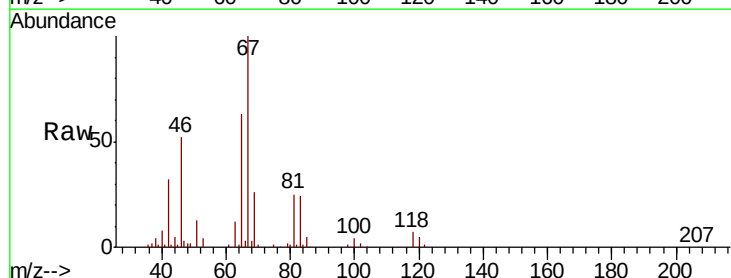
Tgt Ion: 83 Resp: 22873

Ion Ratio Lower Upper

83 100

55 0.2 61.0 91.6#

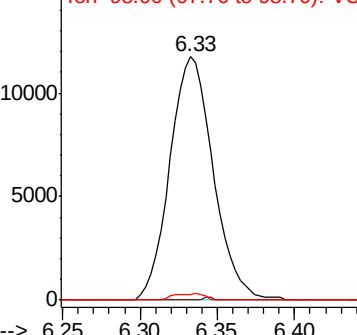
98 0.9 38.1 57.1#



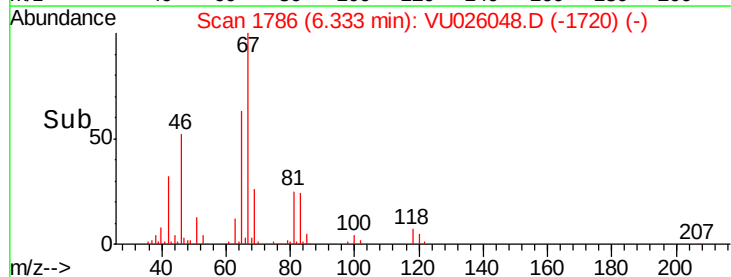
Abundance Ion 83.00 (82.70 to 83.70): VU0

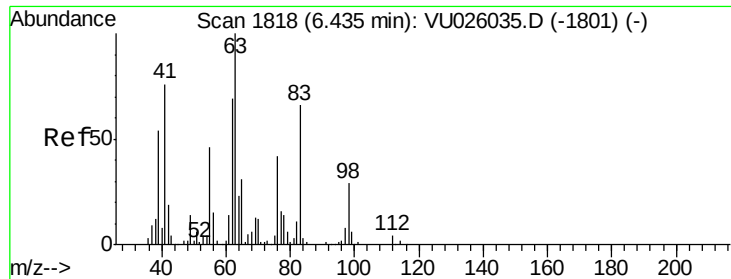
Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->

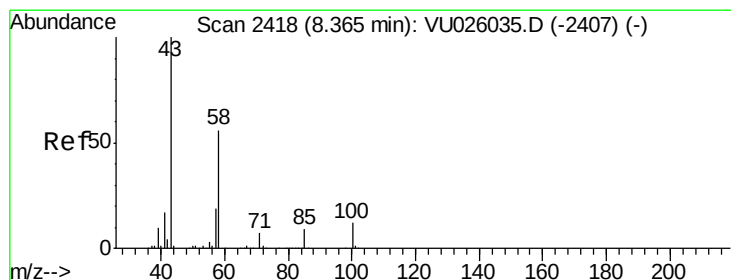
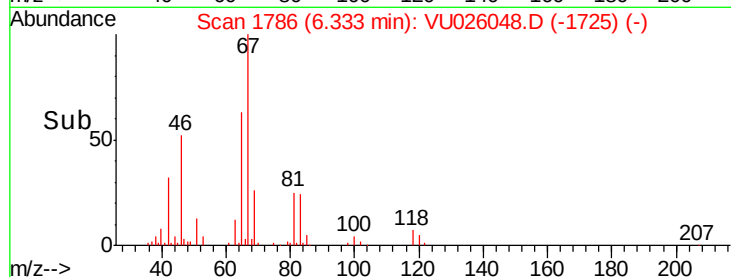
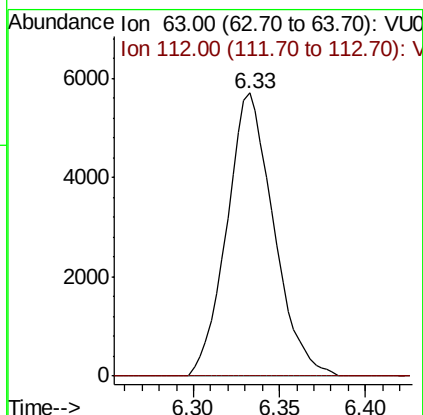
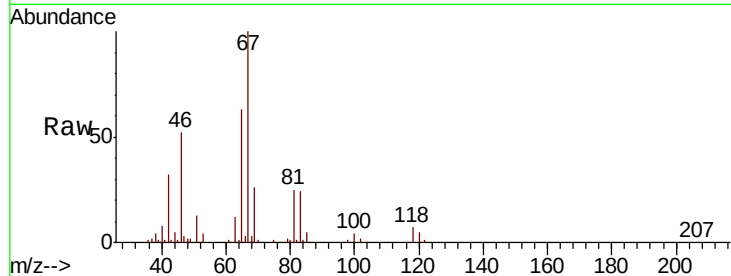




#37
 1,2-Dichloropropane
 Concen: 5.050 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

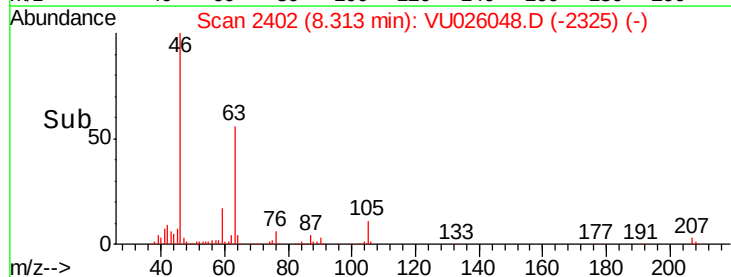
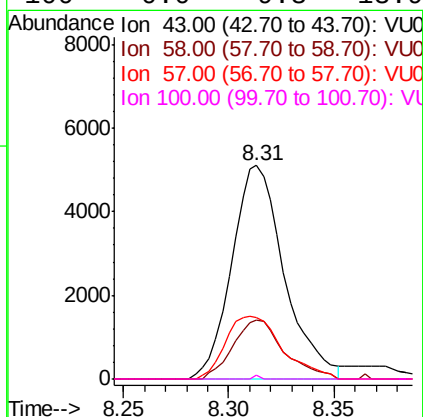
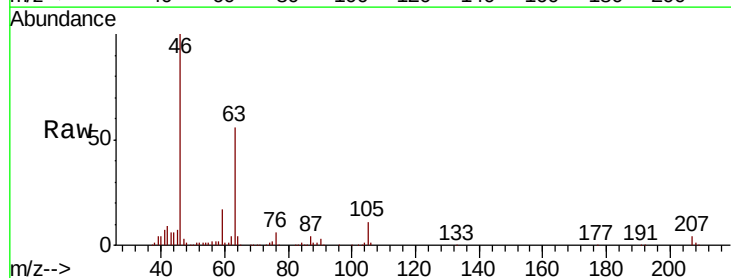
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

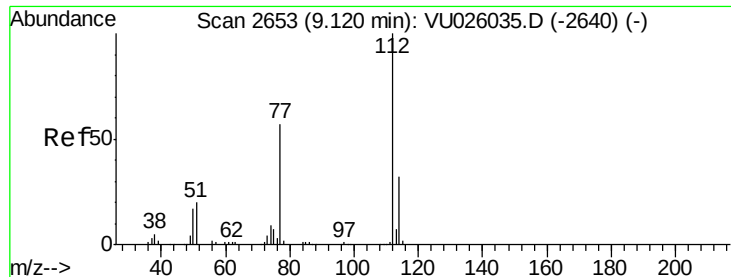
Tot Ion: 63 Resp: 10837
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#48
 2-Hexanone
 Concen: 3.840 ug/L
 RT: 8.31 min Scan# 2402
 Delta R.T. -0.05 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Tgt Ion: 43 Resp: 8821
 Ion Ratio Lower Upper
 43 100
 58 27.0 43.6 65.4#
 57 31.7 15.1 22.7#
 100 0.0 9.3 13.9#

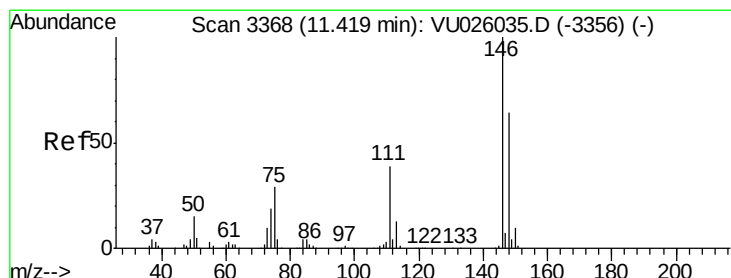
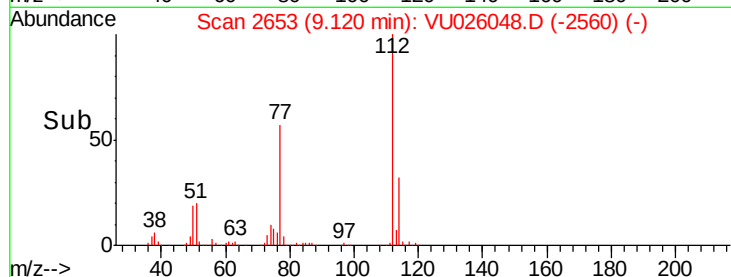
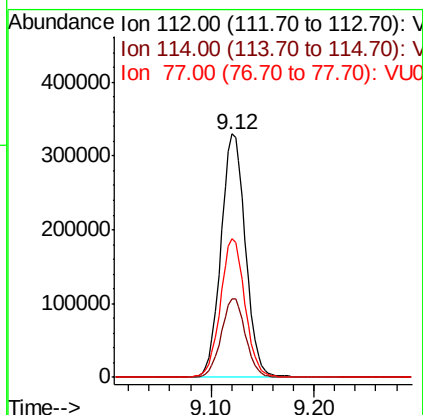
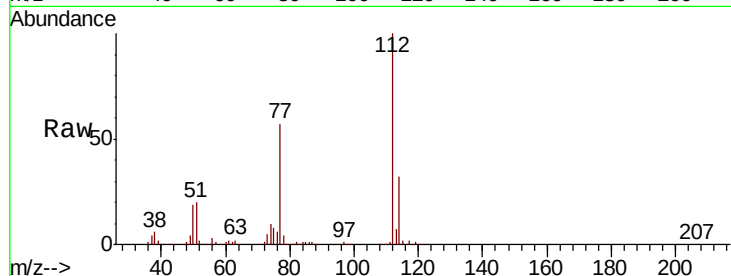




#51
Chlorobenzene
Concen: 97.190 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026048.D
Acq: 10 Aug 2018 17:08

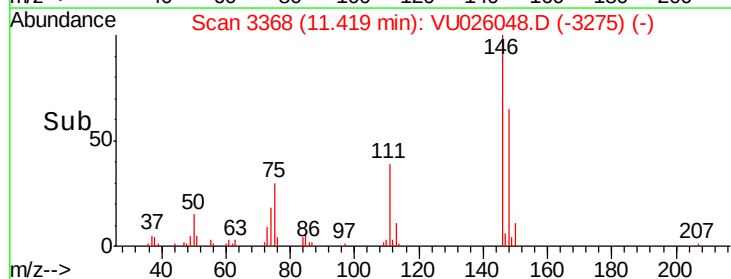
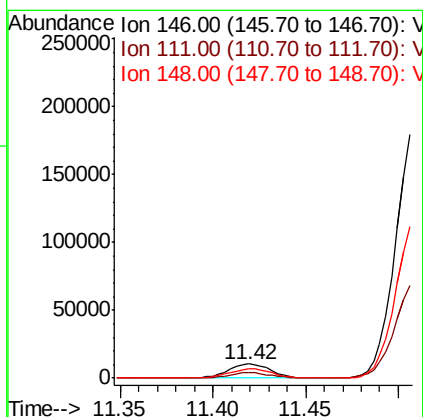
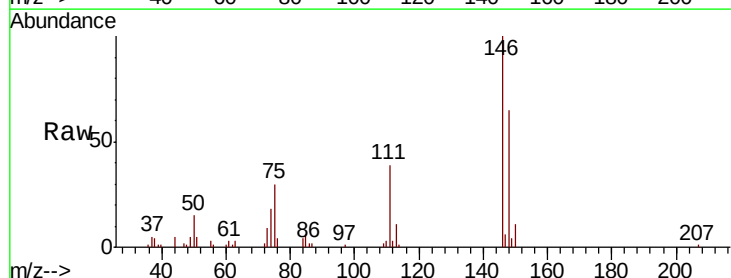
Instrument :
MSVOA_U
ClientSampleId :
A4ZE9DL

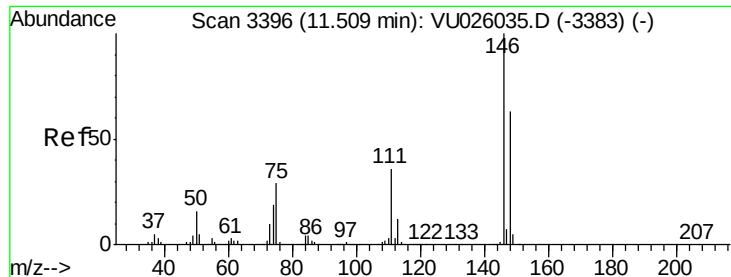
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.3
77	57.1	45.2	67.8



#62
1,3-Dichlorobenzene
Concen: 4.191 ug/L
RT: 11.42 min Scan# 3368
Delta R.T. 0.00 min
Lab File: VU026048.D
Acq: 10 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.9	51.9
148	65.1	46.0	85.4

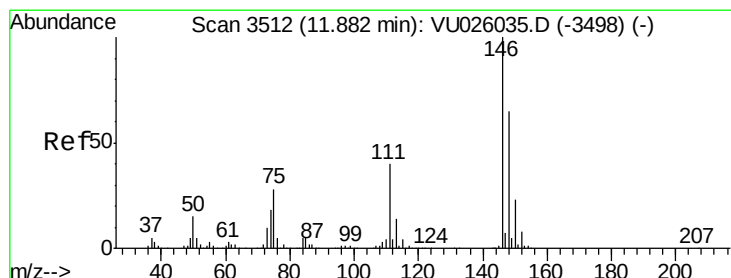
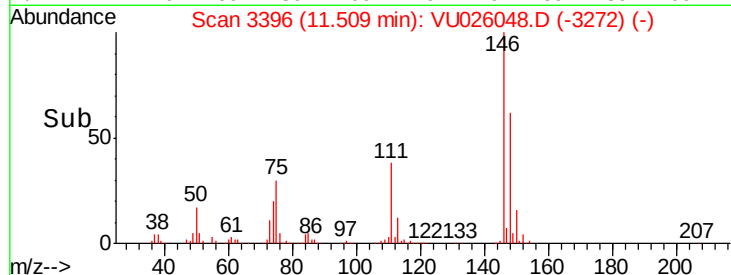
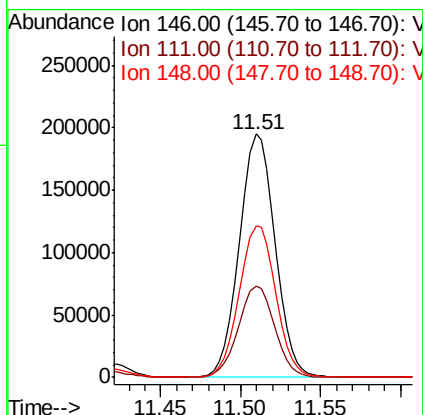
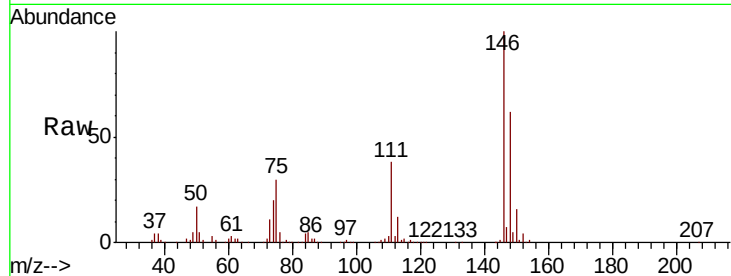




#63
 1,4-Dichlorobenzene
 Concen: 70.149 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

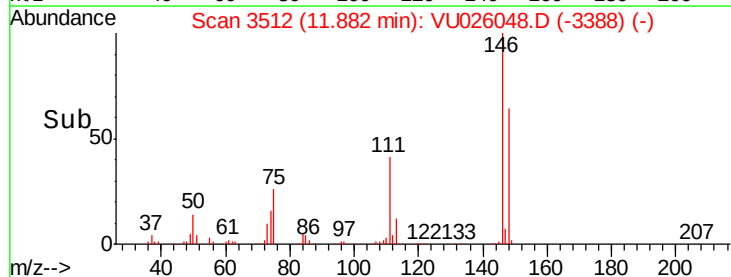
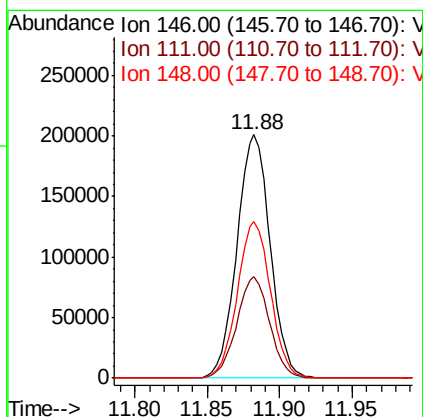
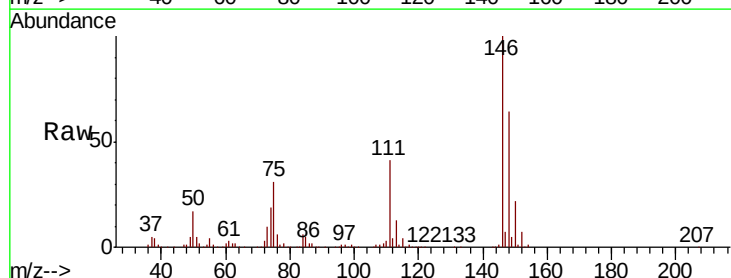
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

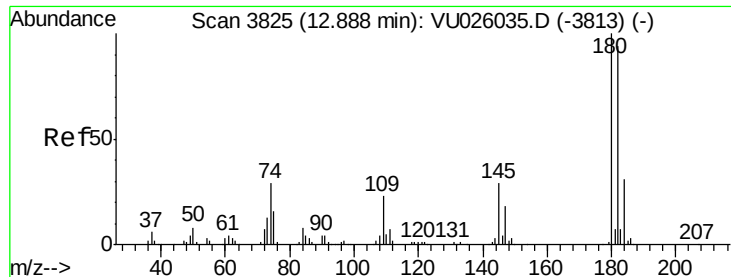
Tot Ion:146 Resp: 296631
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.4 49.0
 148 62.4 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 74.508 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Tgt Ion:146 Resp: 319908
 Ion Ratio Lower Upper
 146 100
 111 41.5 32.4 48.6
 148 64.5 50.1 75.1

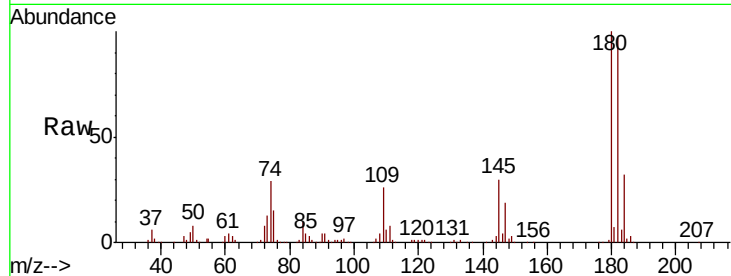




#67
 1,3,5-Trichlorobenzene
 Concen: 81.689 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.5	114.7
184	30.9	24.3	36.5
145	29.9	23.5	35.3



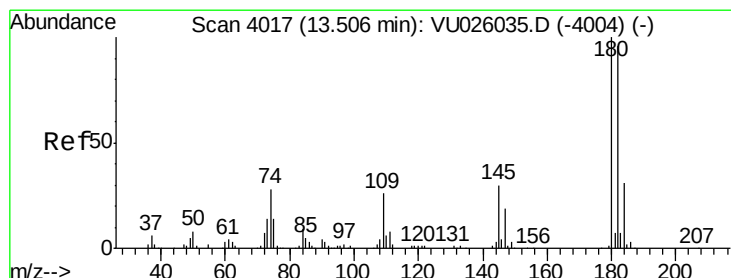
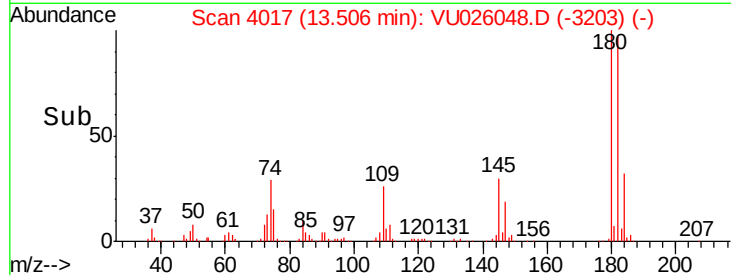
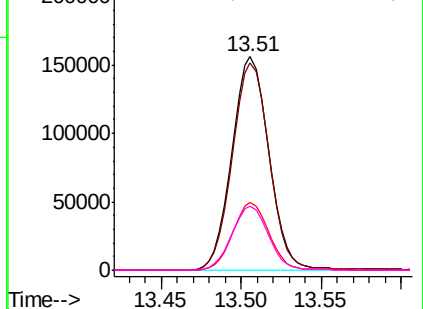
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

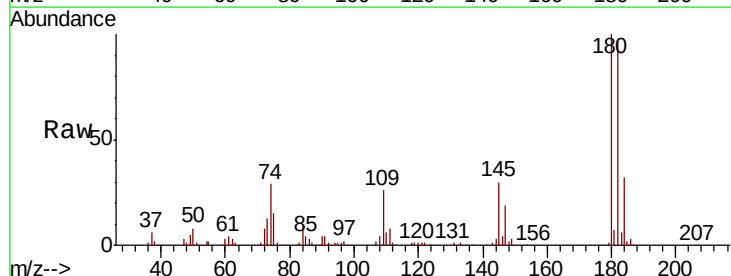
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 96.600 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.5	114.7
145	29.9	24.2	36.4

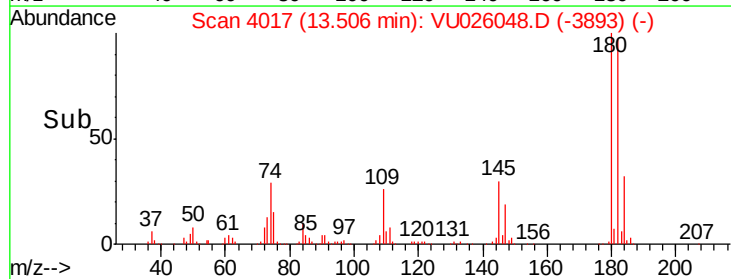
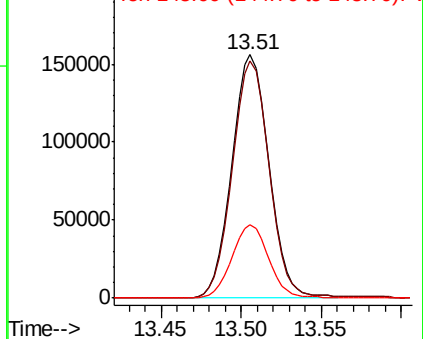


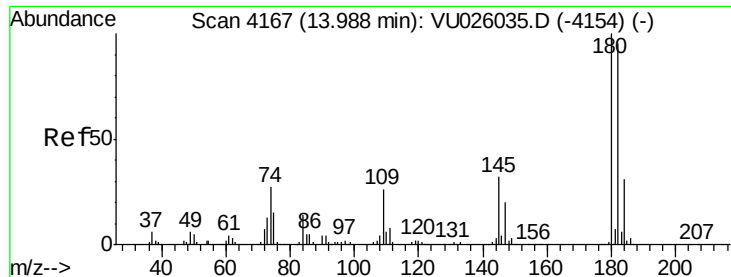
Abundance

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

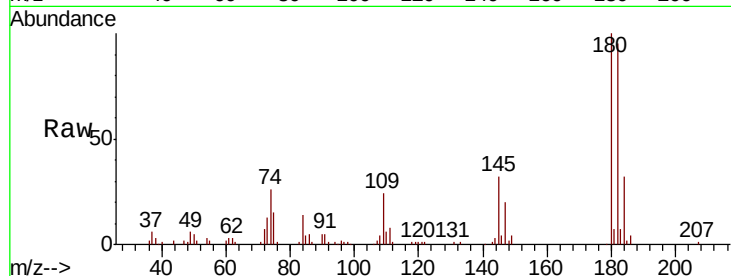




#70
 1,2,3-Trichlorobenzene
 Concen: 19.913 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026048.D
 Acq: 10 Aug 2018 17:08

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE9DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.5	114.7
145	30.6	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

