

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080918\
 Data File : VU026031.D
 Acq On : 10 Aug 2018 05:44
 Operator : MD/SY
 Sample : J4401-19 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 08:32:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 10 07:39:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	293328	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	270792	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	123117	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75230	35.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.18%
7) Chloroethane-d5	1.67	69	67487	39.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.27	63	114351	28.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.14%#
21) 2-Butanone-d5	4.18	46	148957	83.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.36%
24) Chloroform-d	4.65	84	188166	41.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.78%
26) 1,2-Dichloroethane-d4	5.31	65	133488	43.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.92%
32) Benzene-d6	5.35	84	358658	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.30%
36) 1,2-Dichloropropane-d6	6.33	67	120587	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.64%
41) Toluene-d8	7.57	98	320164	39.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.60%#
43) trans-1,3-Dichloropropene-	7.85	79	53467	39.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.00%
47) 2-Hexanone-d5	8.31	63	104870	84.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.86%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	171547	43.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	132046	43.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.02%

Target Compounds

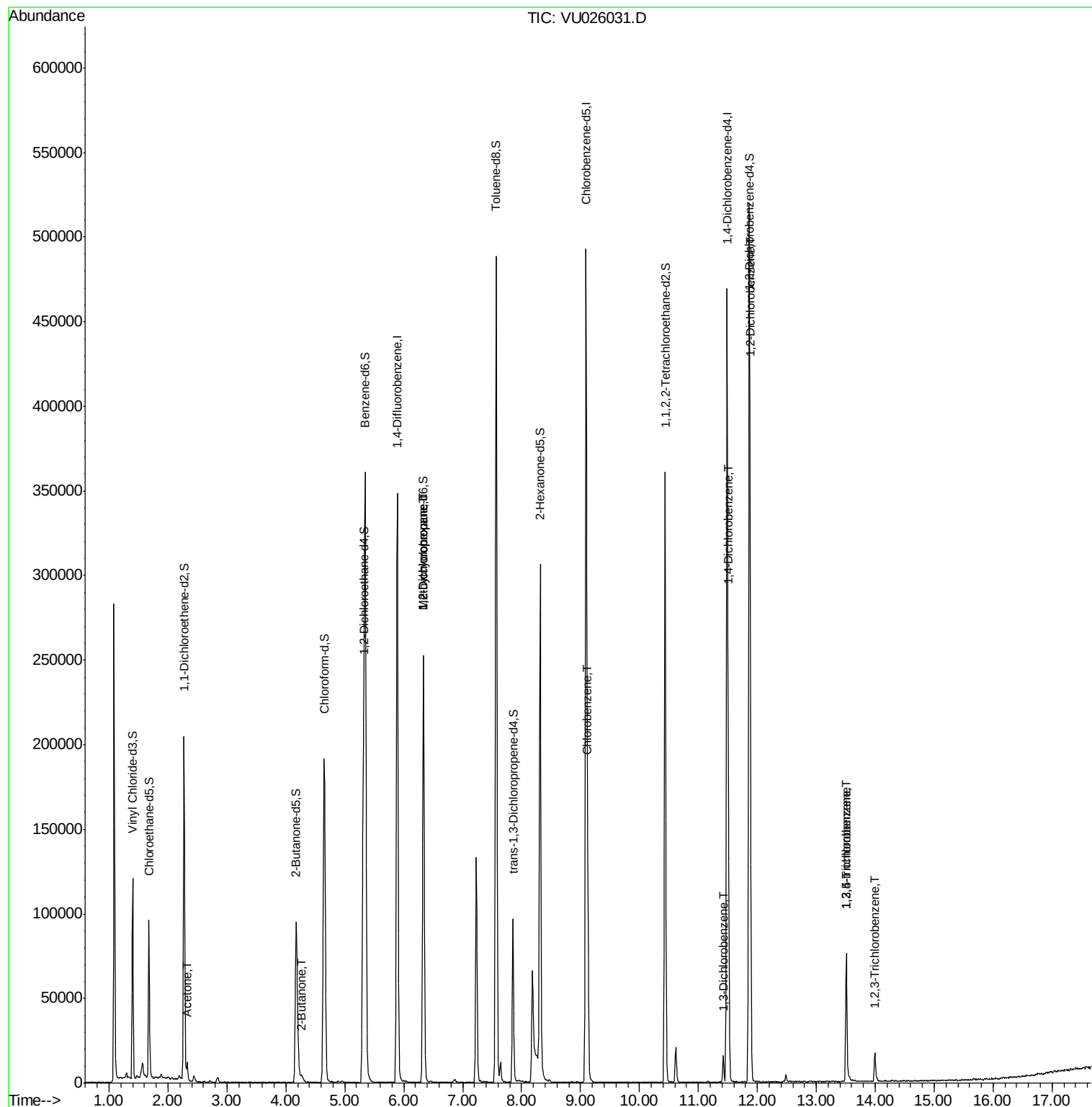
					Ovalue
13) Acetone	2.32	43	9982	8.992	ug/L 99
22) 2-Butanone	4.27	43	4215	2.624	ug/L 87
35) Methylcyclohexane	6.34	83	29187	9.487	ug/L # 19
37) 1,2-Dichloropropane	6.33	63	14302	6.777	ug/L # 88
51) Chlorobenzene	9.12	112	63973	11.590	ug/L 99
62) 1,3-Dichlorobenzene	11.42	146	6828	1.781	ug/L 96
63) 1,4-Dichlorobenzene	11.51	146	42708	10.629	ug/L 98
65) 1,2-Dichlorobenzene	11.88	146	51382	12.594	ug/L 96
67) 1,3,5-Trichlorobenzene	13.51	180	25839	9.020	ug/L 99
68) 1,2,4-trichlorobenzene	13.51	180	25839	10.666	ug/L 100
70) 1,2,3-Trichlorobenzene	13.99	180	6962	2.674	ug/L 96

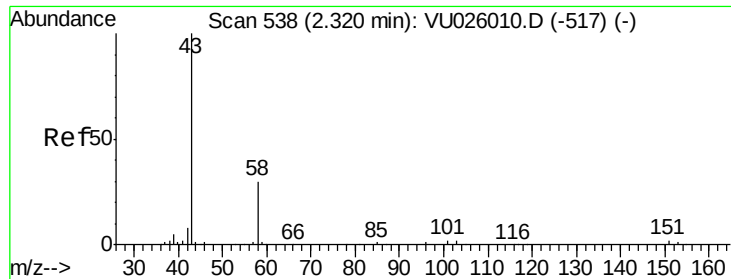
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 10 07:39:13 2018
Response via : Initial Calibration





#13

Acetone

Concen: 8.992 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026031.D

Acq: 10 Aug 2018 05:44

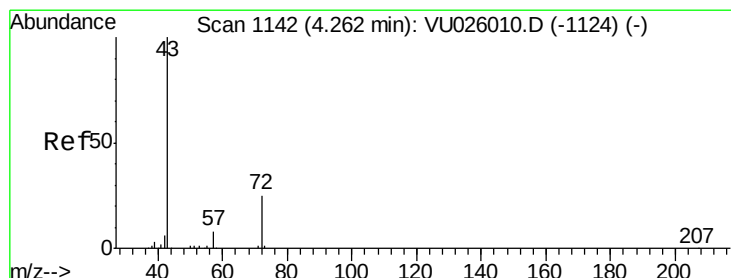
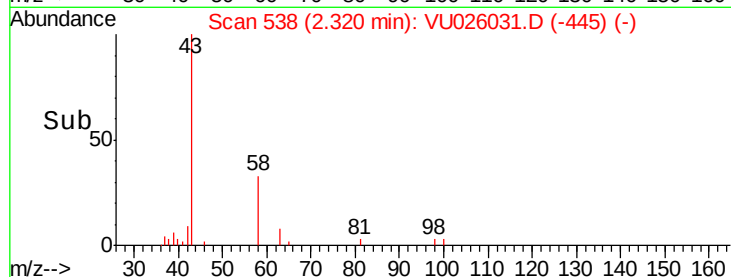
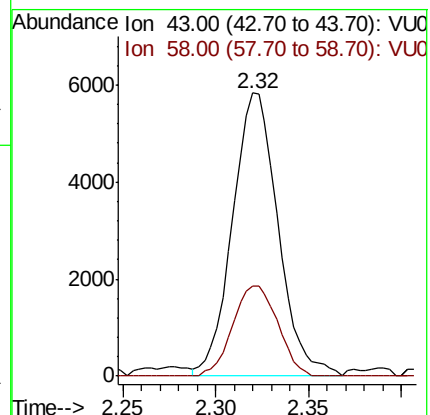
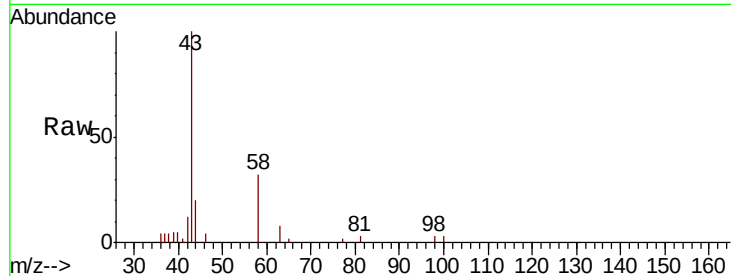
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9982

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.8



#22

2-Butanone

Concen: 2.624 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU026031.D

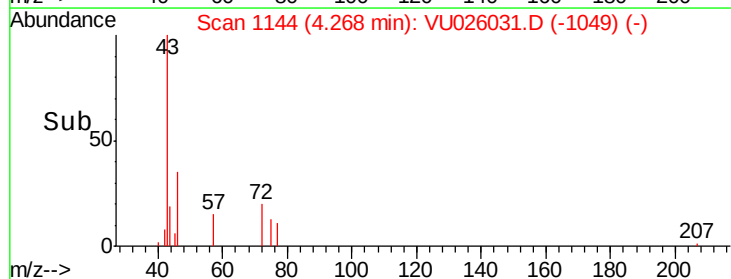
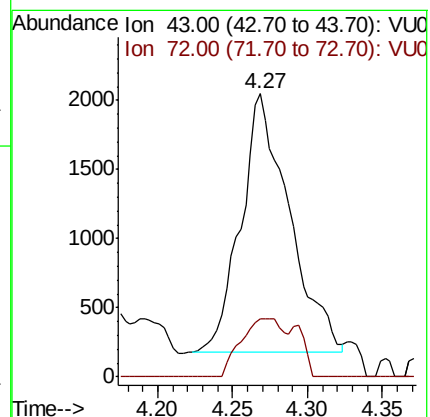
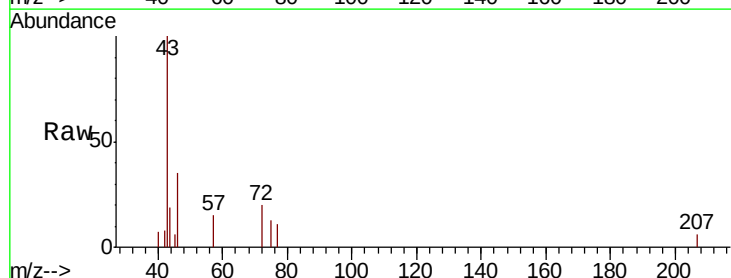
Acq: 10 Aug 2018 05:44

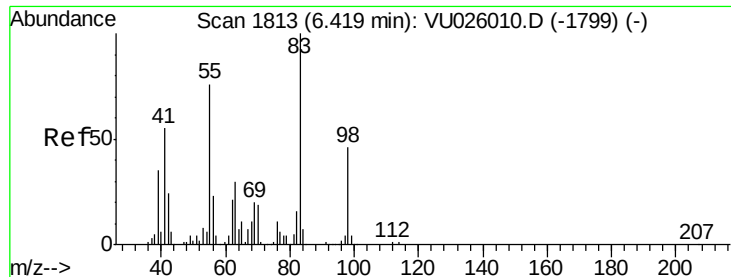
Tgt Ion: 43 Resp: 4215

Ion Ratio Lower Upper

43 100

72 20.5 13.5 40.5

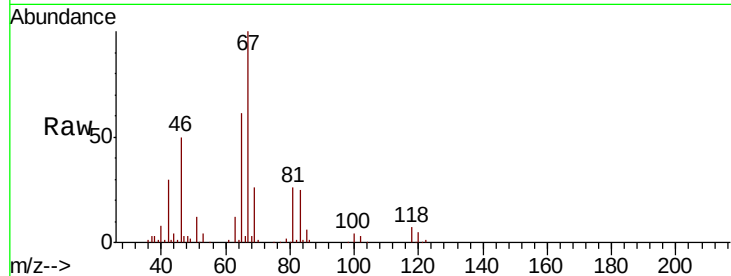




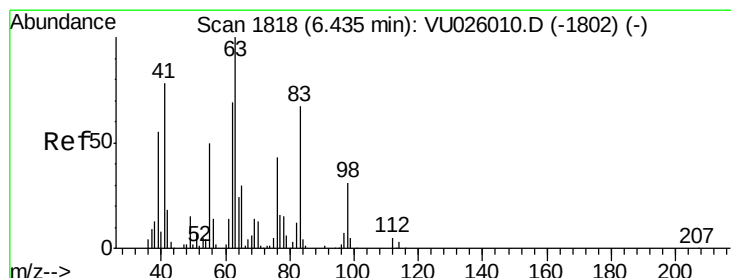
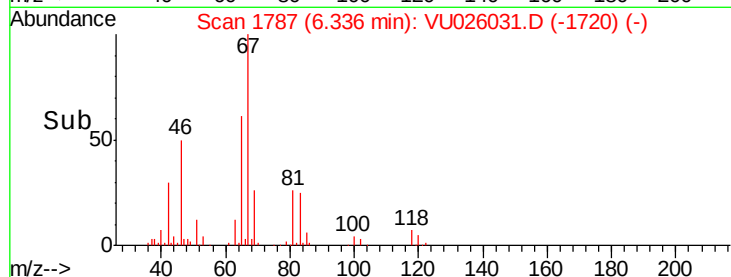
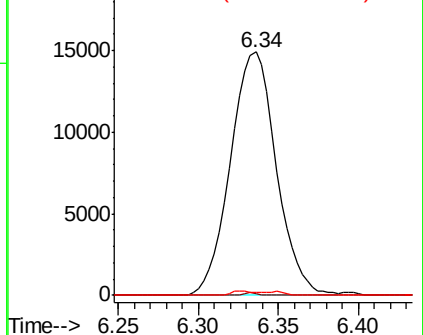
#35
Methylvlcyclohexane
Concen: 9.487 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.08 min
Lab File: VU026031.D
Acq: 10 Aug 2018 05:44

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	0.3	61.0	91.6#
98	0.9	38.1	57.1#

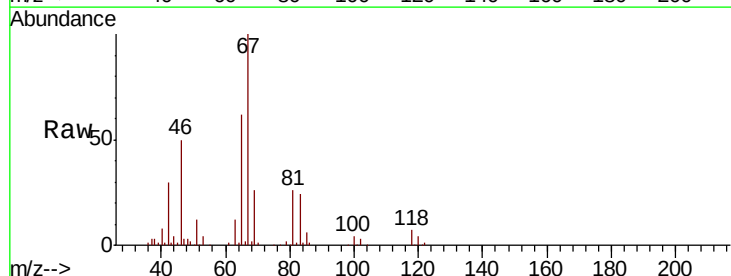


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

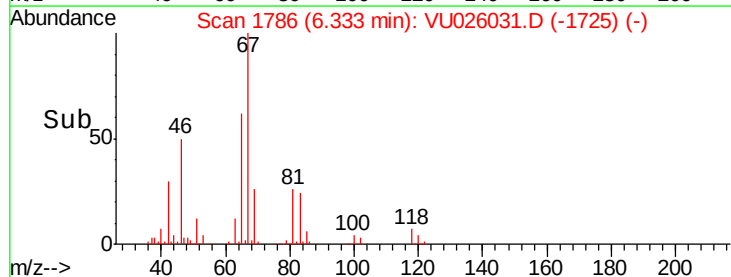
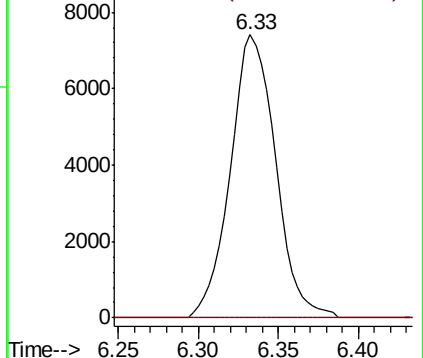


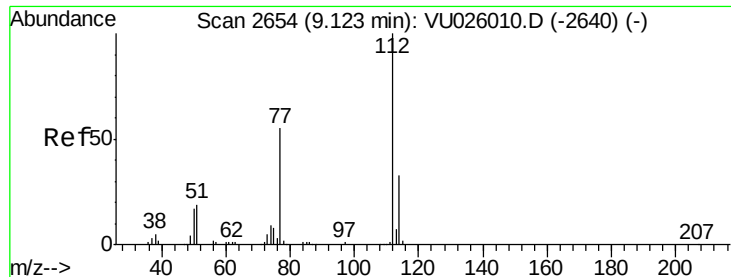
#37
1,2-Dichloropropane
Concen: 6.777 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.10 min
Lab File: VU026031.D
Acq: 10 Aug 2018 05:44

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.2	4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#51

Chlorobenzene

Concen: 11.590 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026031.D

Acq: 10 Aug 2018 05:44

Instrument :
MSVOA_U
ClientSampled :

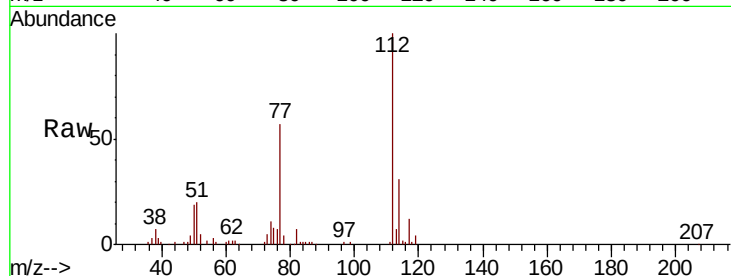
Tot Ion:112 Resp: 63973

Ion Ratio Lower Upper

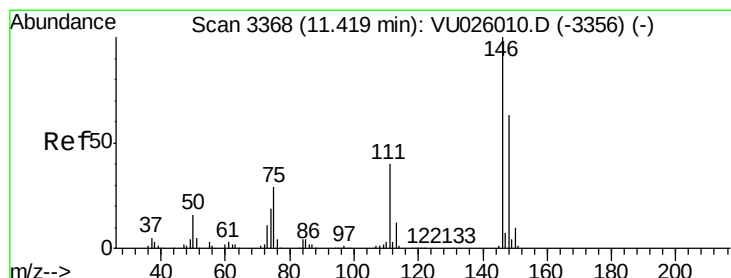
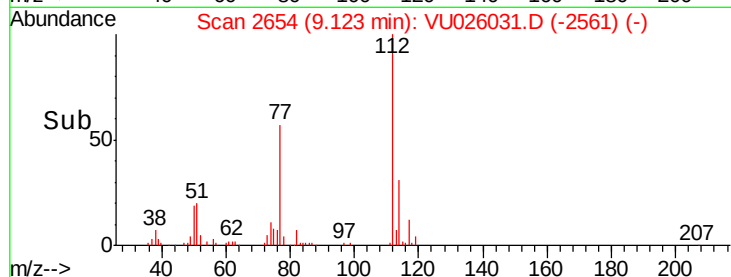
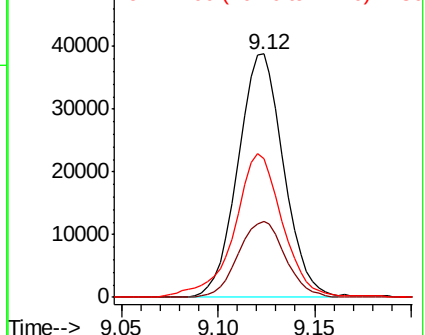
112 100

114 31.0 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): V



#62

1,3-Dichlorobenzene

Concen: 1.781 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026031.D

Acq: 10 Aug 2018 05:44

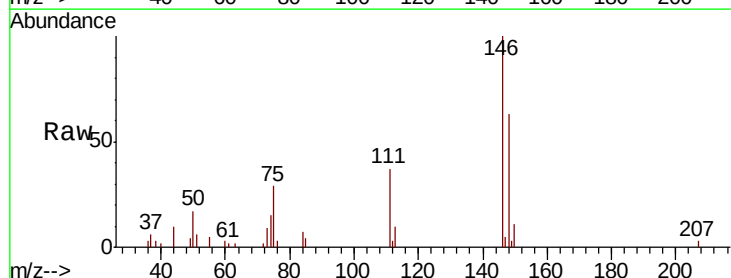
Tgt Ion:146 Resp: 6828

Ion Ratio Lower Upper

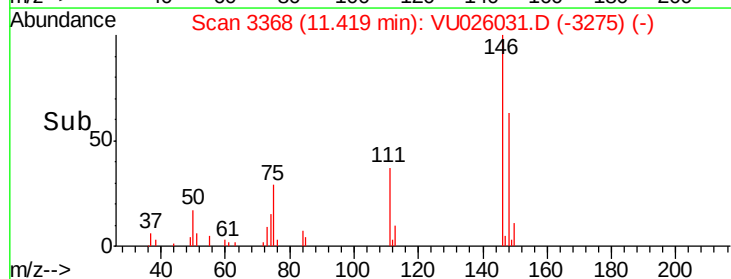
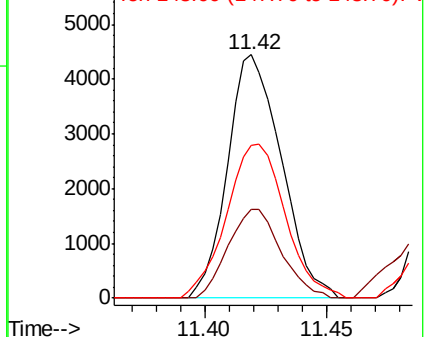
146 100

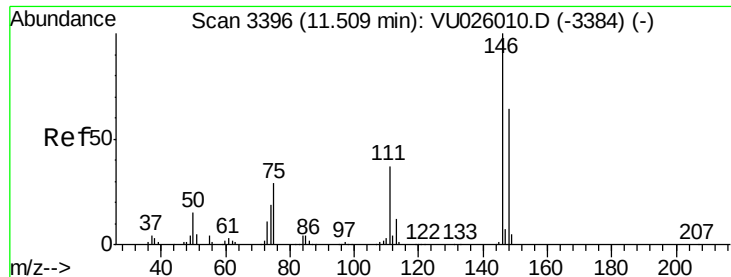
111 36.5 27.9 51.9

148 62.8 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

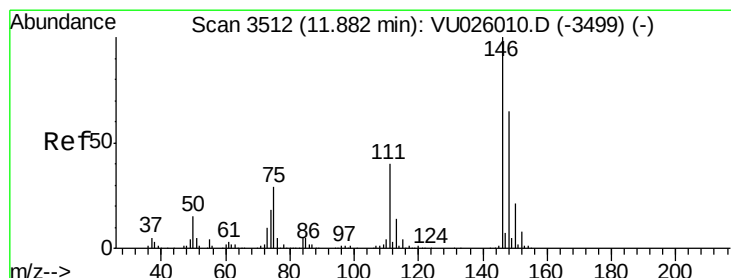
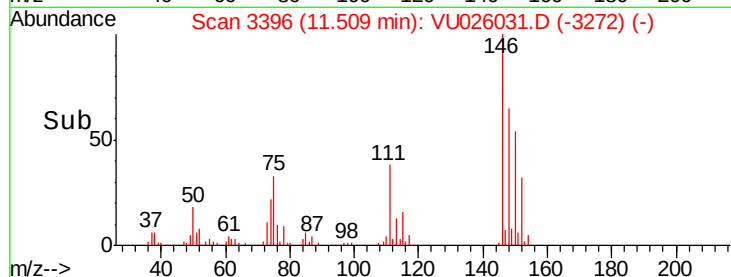
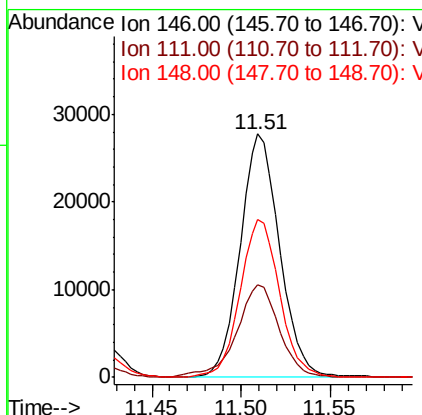
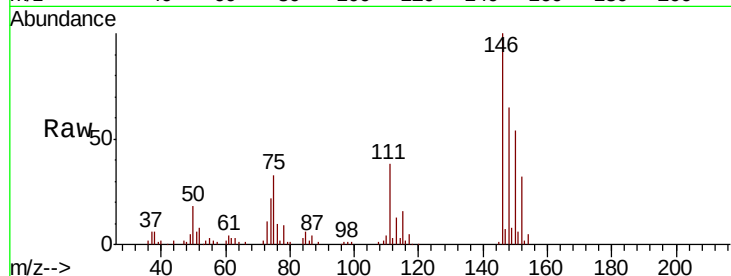




#63
 1,4-Dichlorobenzene
 Concen: 10.629 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026031.D
 Acq: 10 Aug 2018 05:44

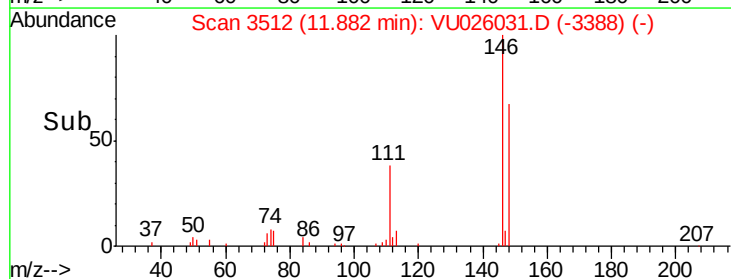
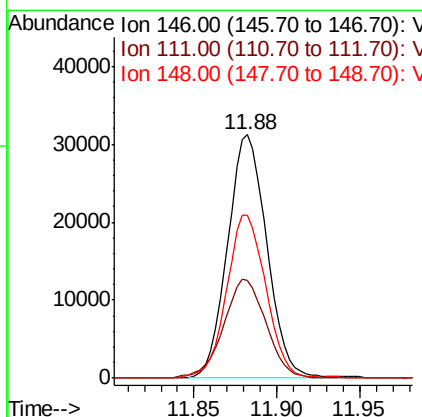
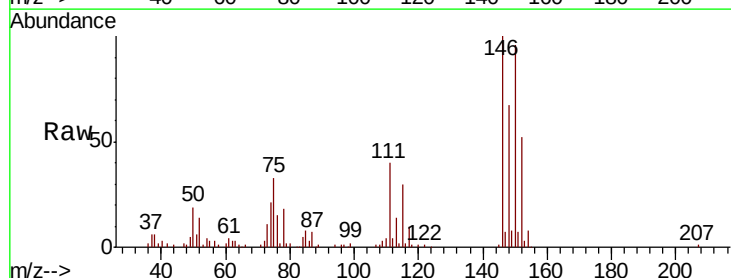
Instrument :
 MSVOA_U
 ClientSampleId :

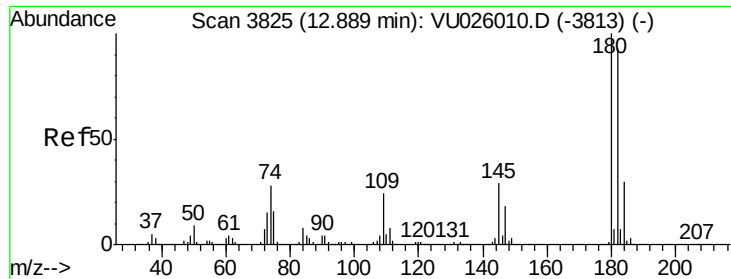
Tot Ion:146 Resp: 42708
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.4 49.0
 148 64.8 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 12.594 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026031.D
 Acq: 10 Aug 2018 05:44

Tgt Ion:146 Resp: 51382
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.4 48.6
 148 66.8 50.1 75.1

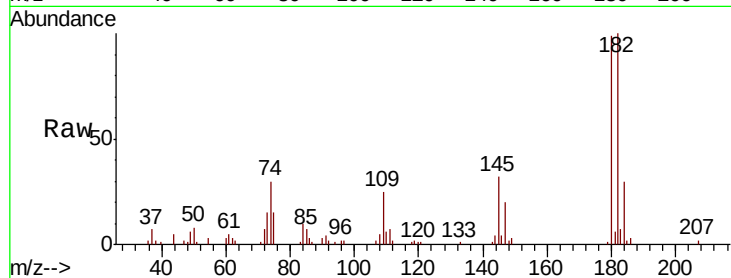




#67
 1,3,5-Trichlorobenzene
 Concen: 9.020 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026031.D
 Acq: 10 Aug 2018 05:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
184	31.0	24.3	36.5
145	30.4	23.5	35.3



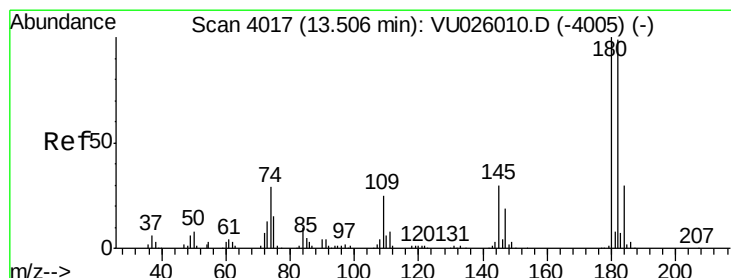
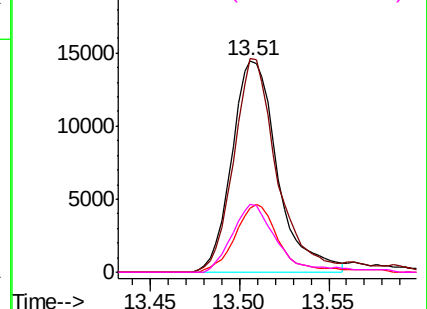
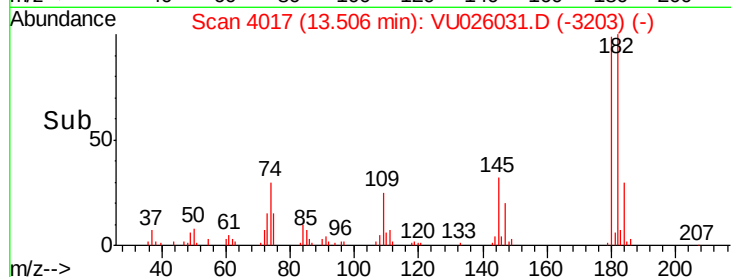
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

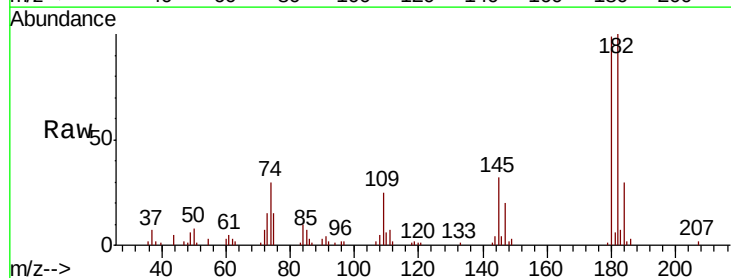
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.666 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026031.D
 Acq: 10 Aug 2018 05:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
145	30.4	24.2	36.4

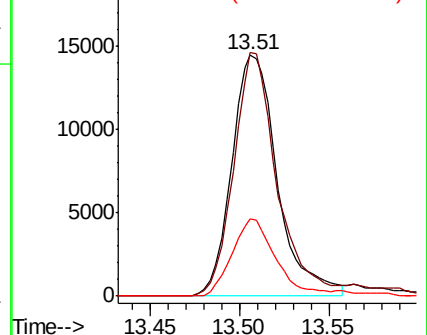
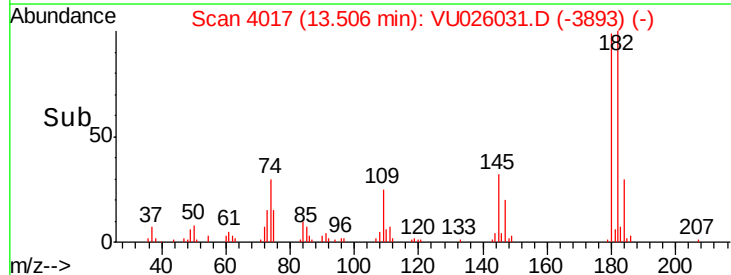


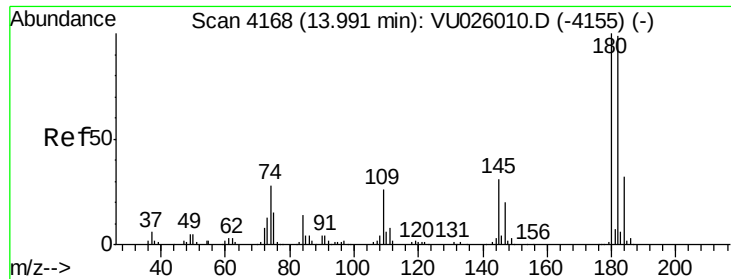
Abundance

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

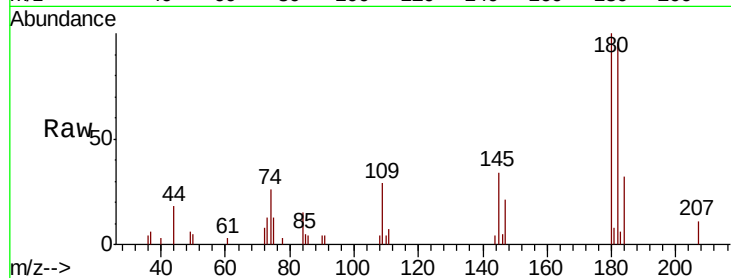




#70
 1,2,3-Trichlorobenzene
 Concen: 2.674 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026031.D
 Acq: 10 Aug 2018 05:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.5	114.7
145	29.1	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

