

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026049.D
 Acq On : 10 Aug 2018 17:32
 Operator : MD/SY
 Sample : J4401-11DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1DL

Quant Time: Aug 11 01:36:24 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	288117	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	268951	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	126087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77377	36.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.48%
7) Chloroethane-d5	1.67	69	59942	35.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.80%
11) 1,1-Dichloroethene-d2	2.27	63	116291	29.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.12%#
21) 2-Butanone-d5	4.18	46	102253	58.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	58.26%
24) Chloroform-d	4.65	84	145787	32.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.28%#
26) 1,2-Dichloroethane-d4	5.31	65	95747	31.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.48%#
32) Benzene-d6	5.34	84	291831	34.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.88%#
36) 1,2-Dichloropropane-d6	6.33	67	91081	33.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	67.40%#
41) Toluene-d8	7.57	98	260585	32.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.22%#
43) trans-1,3-Dichloropropene-	7.85	79	42955	31.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.10%
47) 2-Hexanone-d5	8.31	63	69974	57.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	57.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120201	30.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	60.84%#
64) 1,2-Dichlorobenzene-d4	11.86	152	102740	33.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	66.10%#

Target Compounds

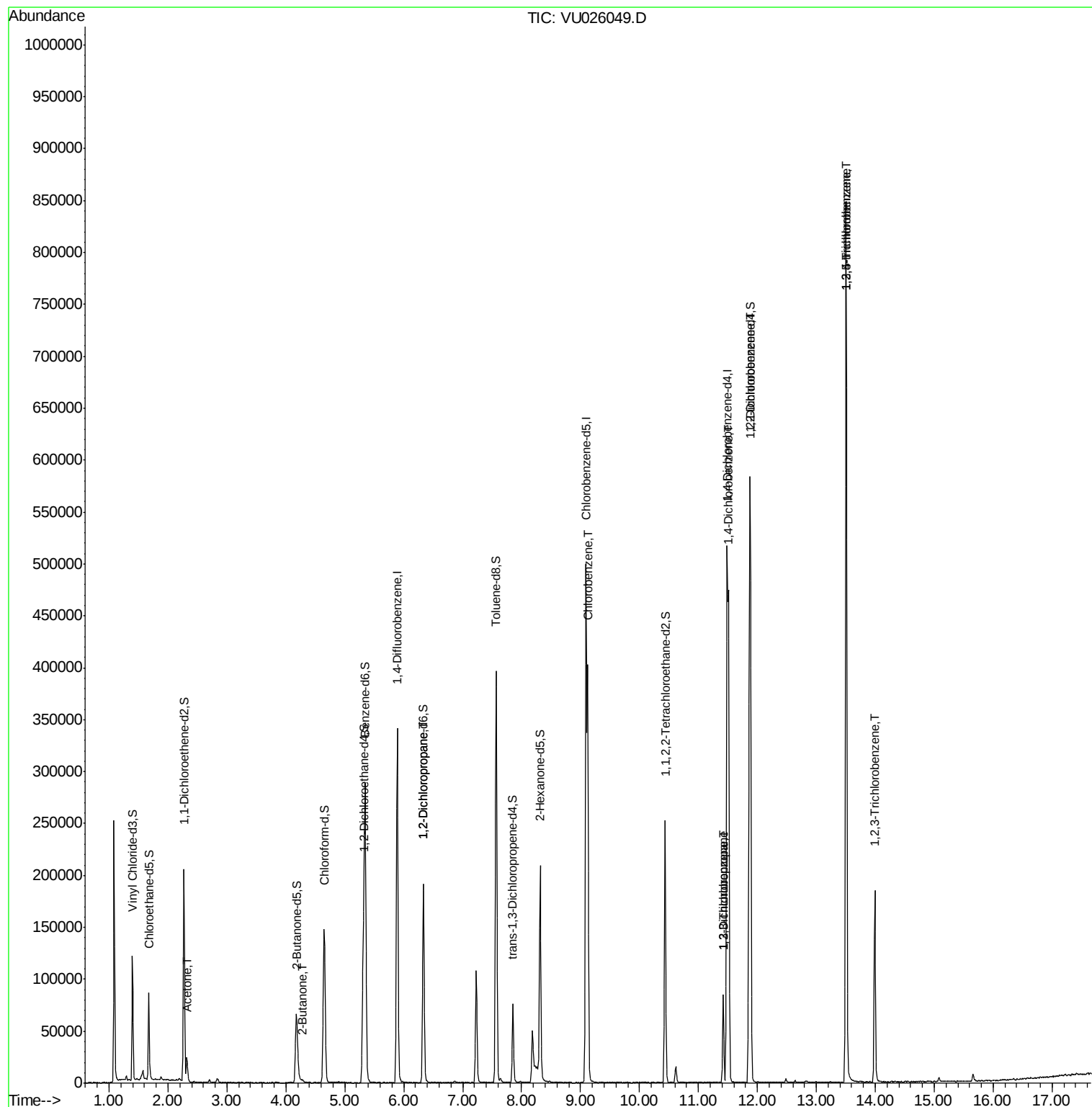
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	23613	21.656	ug/L	96
22) 2-Butanone	4.28	43	3627	2.299	ug/L	79
37) 1,2-Dichloropropane	6.33	63	10207	4.870	ug/L #	88
51) Chlorobenzene	9.12	112	202999	37.028	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	10361	3.833	ug/L #	50
62) 1,3-Dichlorobenzene	11.42	146	35412	9.021	ug/L	89
63) 1,4-Dichlorobenzene	11.51	146	170001	41.313	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	196567	47.046	ug/L	98
67) 1,3,5-Trichlorobenzene	13.51	180	266219	90.744	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	266219	107.308	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	59934	22.477	ug/L	100

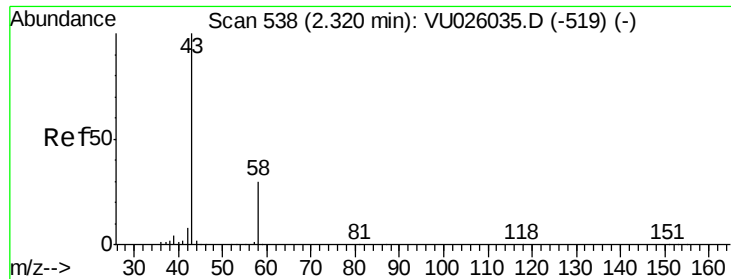
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 21.656 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU026049.D

Acq: 10 Aug 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

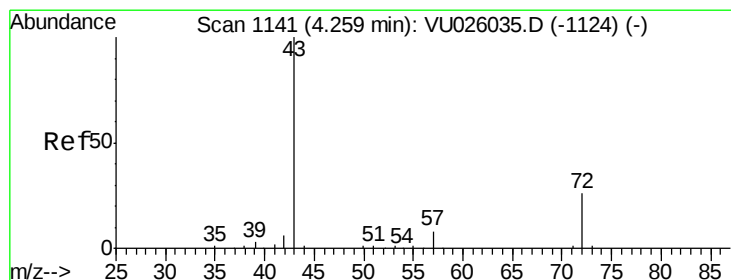
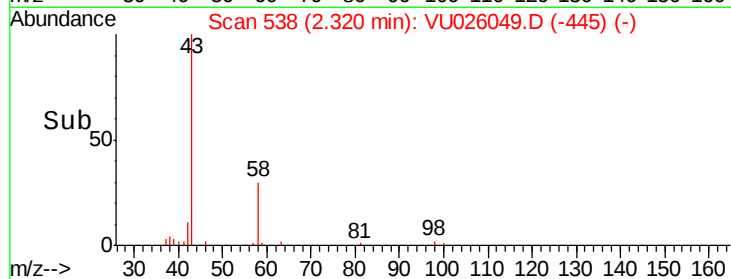
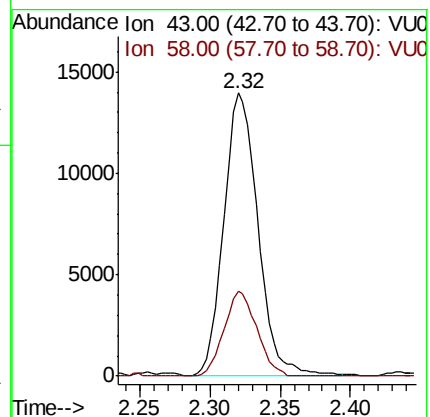
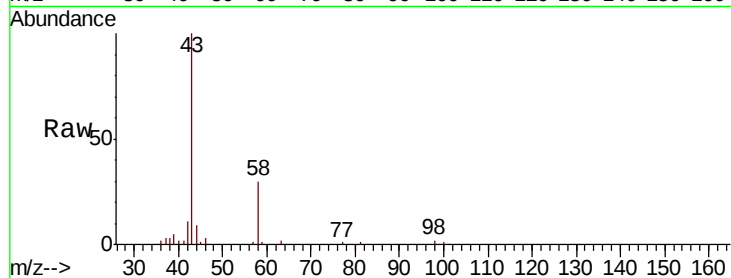
A4ZF1DL

Tot Ion: 43 Resp: 23613

Ion Ratio Lower Upper

43 100

58 28.7 0.0 61.8



#22

2-Butanone

Concen: 2.299 ug/L

RT: 4.28 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VU026049.D

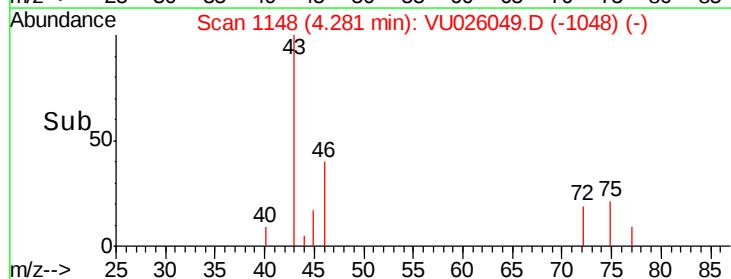
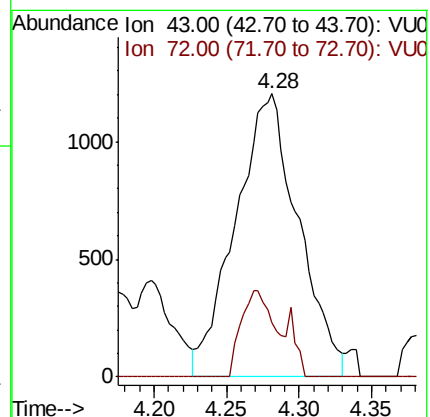
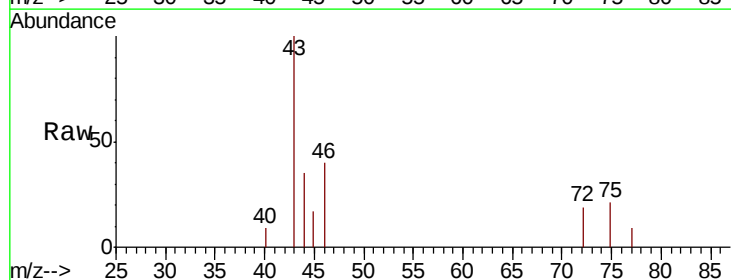
Acq: 10 Aug 2018 17:32

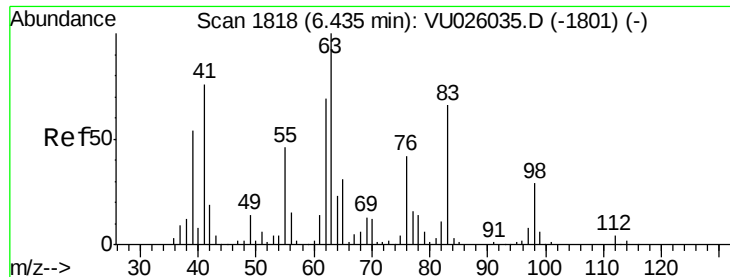
Tgt Ion: 43 Resp: 3627

Ion Ratio Lower Upper

43 100

72 16.2 13.5 40.5

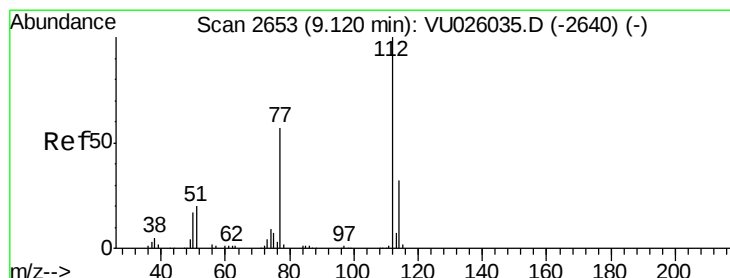
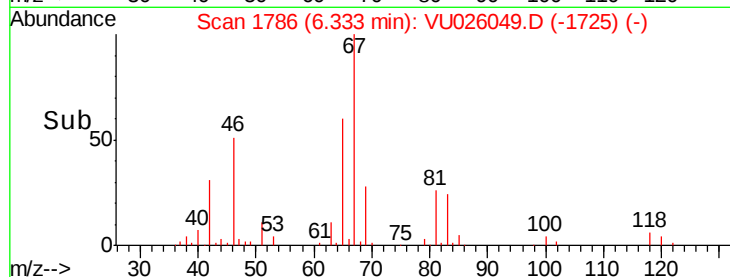
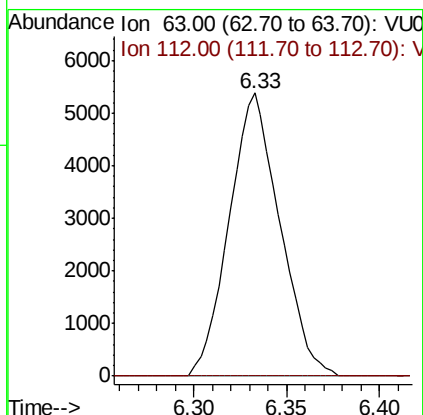
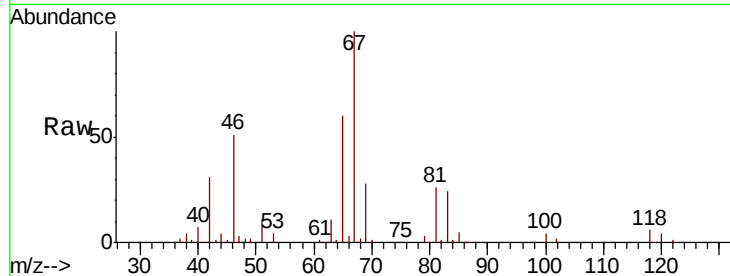




#37
 1,2-Dichloropropane
 Concen: 4.870 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

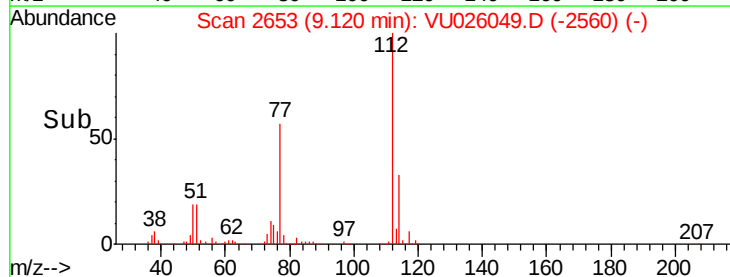
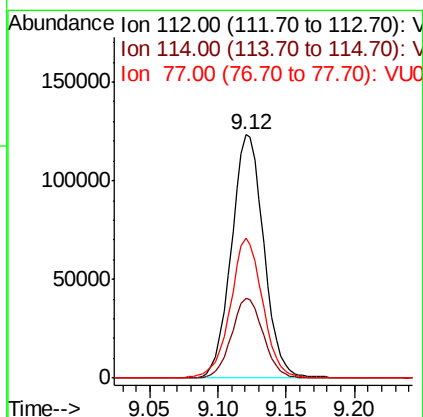
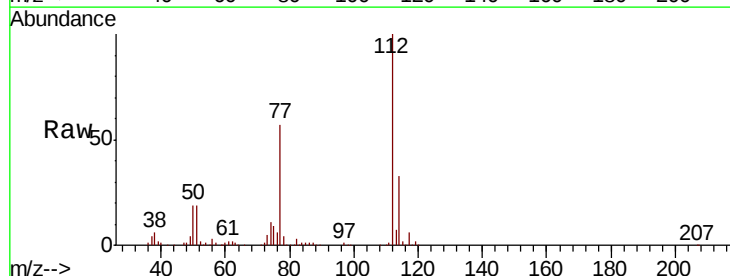
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1DL

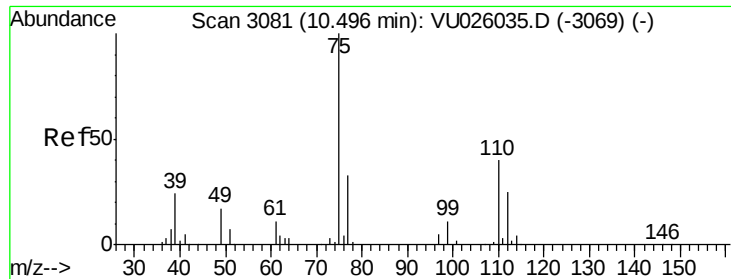
Tot Ion: 63 Resp: 10207
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#51
 Chlorobenzene
 Concen: 37.028 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

Tgt Ion: 112 Resp: 202999
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.7 42.3
 77 57.3 45.2 67.8





#59

1,2,3-Trichloropropane

Concen: 3.833 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.92 min

Lab File: VU026049.D

Acq: 10 Aug 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

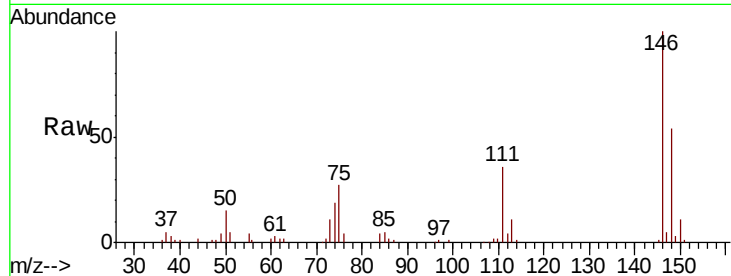
A4ZF1DL

Tot Ion: 75 Resp: 10361

Ion Ratio Lower Upper

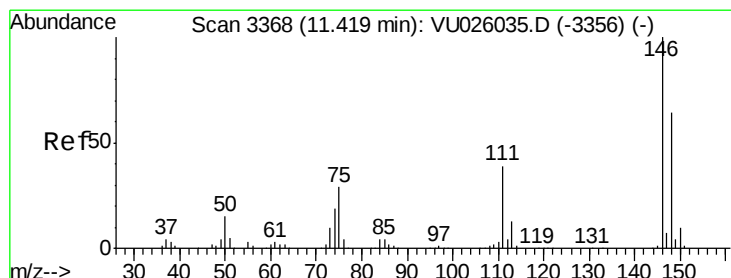
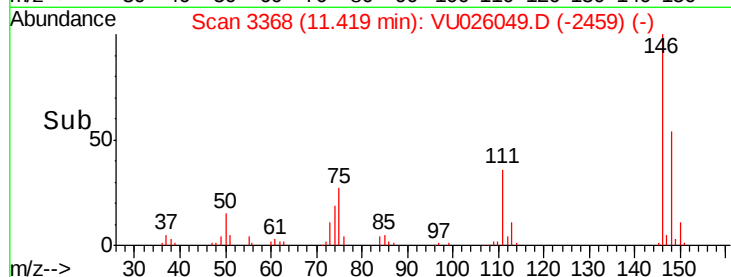
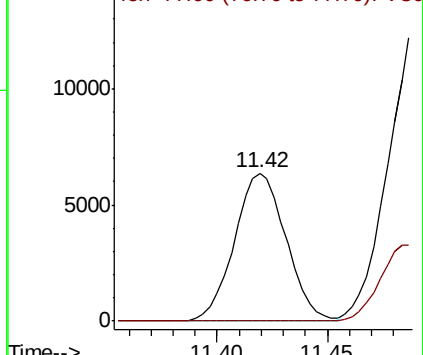
75 100

77 4.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 9.021 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026049.D

Acq: 10 Aug 2018 17:32

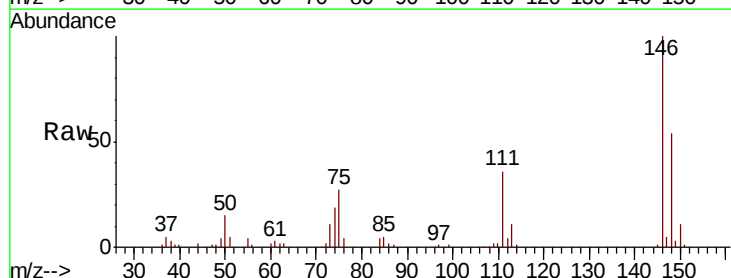
Tgt Ion:146 Resp: 35412

Ion Ratio Lower Upper

146 100

111 35.7 27.9 51.9

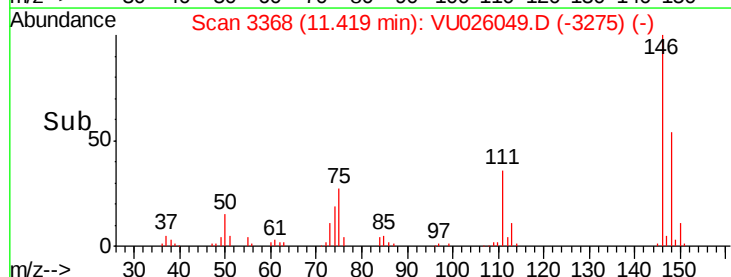
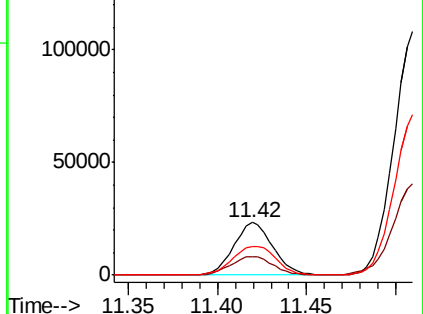
148 54.3 46.0 85.4

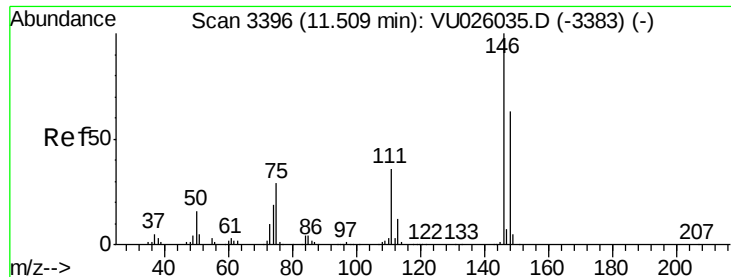


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

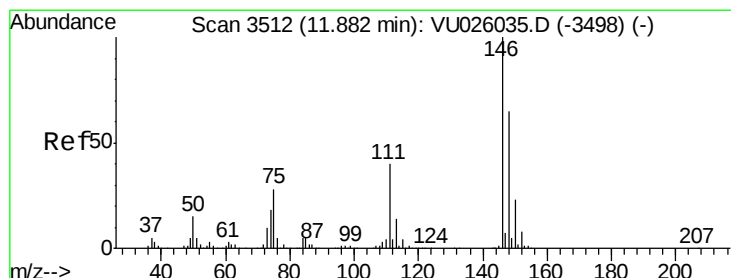
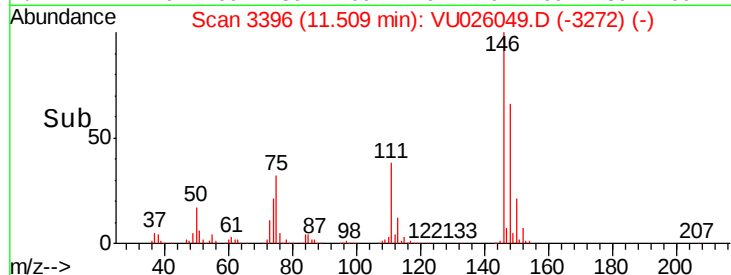
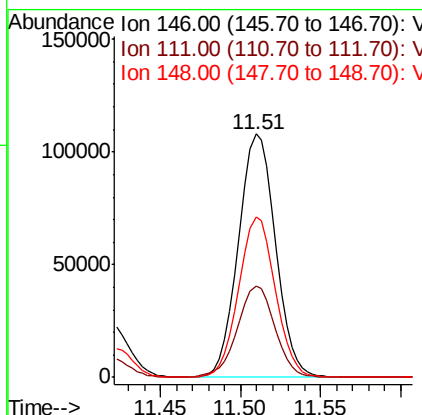
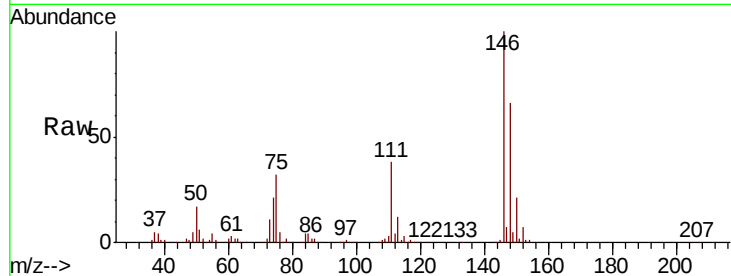




#63
 1,4-Dichlorobenzene
 Concen: 41.313 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

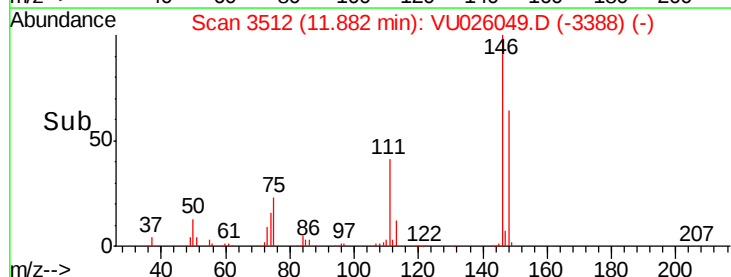
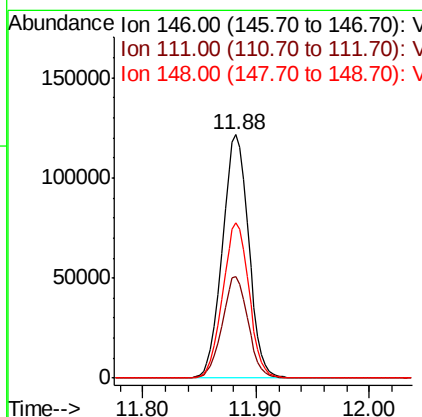
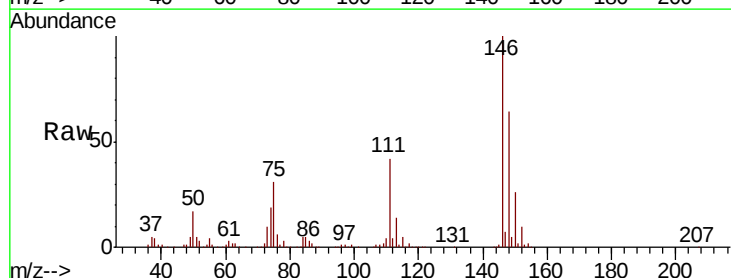
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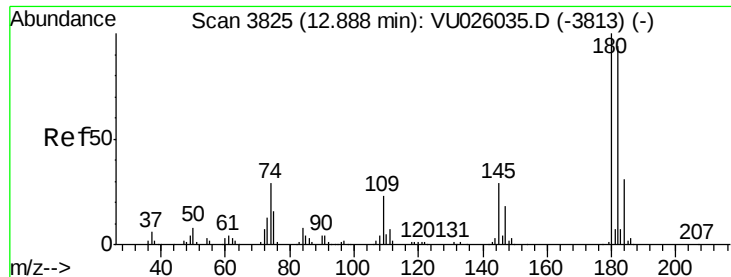
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	66.0	43.8	81.4



#65
 1,2-Dichlorobenzene
 Concen: 47.046 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	32.4	48.6
148	64.0	50.1	75.1

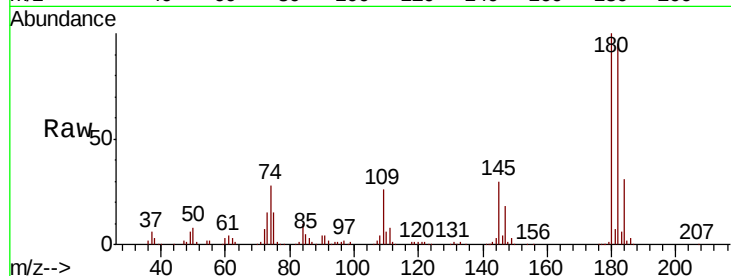




#67
 1,3,5-Trichlorobenzene
 Concen: 90.744 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.62 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1DL

Tot Ion	180	Resp	266219
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.5	114.7
184	31.0	24.3	36.5
145	28.9	23.5	35.3



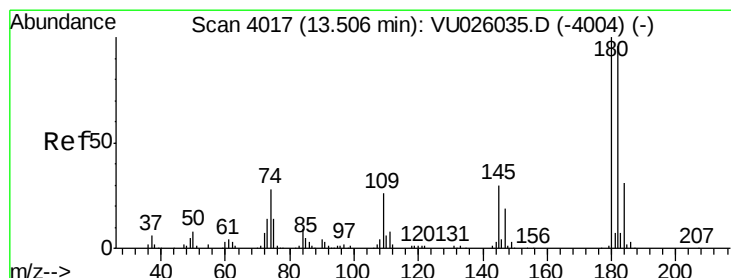
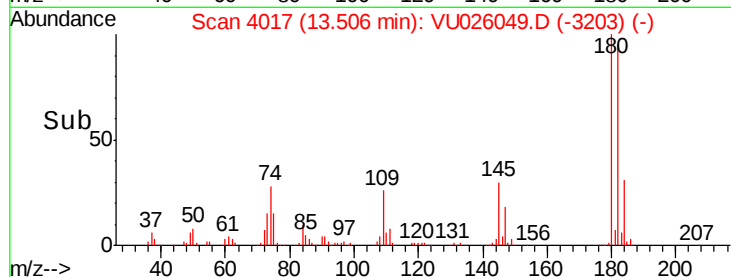
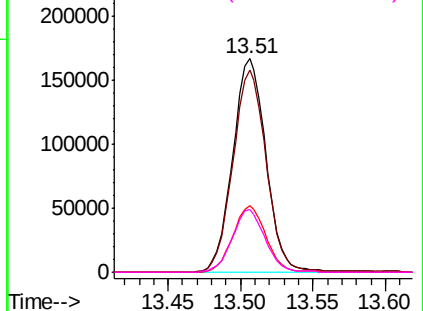
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

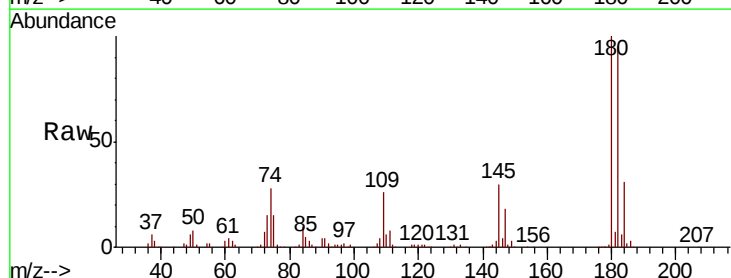
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 107.308 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

Tgt Ion	180	Resp	266219
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
180	100		
182	95.3	76.5	114.7
145	28.9	24.2	36.4

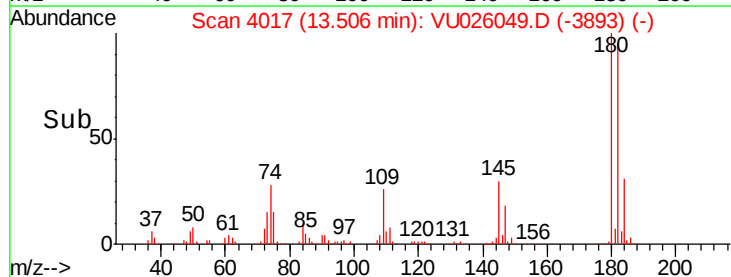
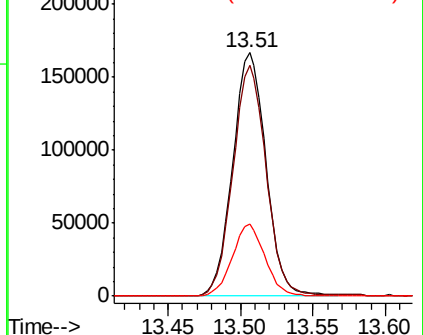


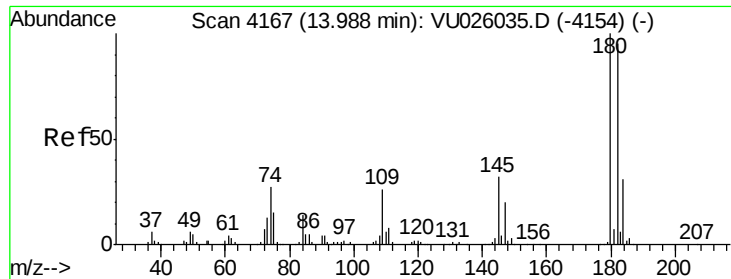
Abundance

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: 22.477 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026049.D
 Acq: 10 Aug 2018 17:32

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZF1DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.9	76.5	114.7	
145	31.0	24.7	37.1	

