

Data File : VU029712.D
Acq On : 27 Feb 2019 18:26
Operator : JC/SP
Sample : K1623-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Feb 28 00:55:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 00:50:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	446660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	430336	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208382	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149246	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	128930	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.62%
11) 1,1-Dichloroethene-d2	2.27	63	217337	33.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.94%
21) 2-Butanone-d5	4.17	46	220035	110.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.47%
24) Chloroform-d	4.65	84	271246	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.31	65	169074	50.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.60%
32) Benzene-d6	5.34	84	591397	54.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.22%
36) 1,2-Dichloropropane-d6	6.32	67	178611	54.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.64%
41) Toluene-d8	7.56	98	547964	49.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.18%
43) trans-1,3-Dichloropropene-	7.85	79	82956	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
47) 2-Hexanone-d5	8.31	63	186594	102.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	266494	48.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	226312	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%

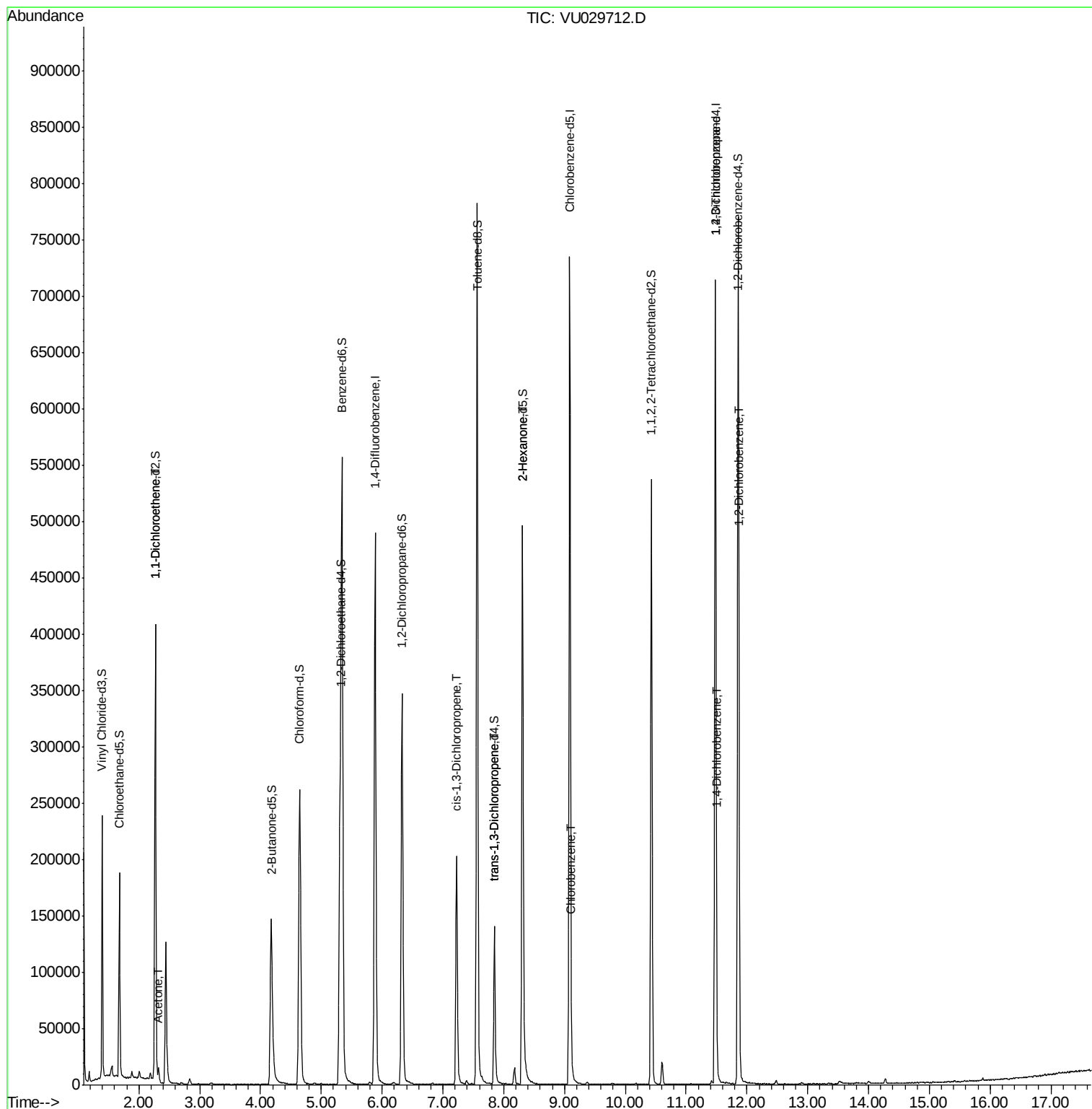
Target Compounds

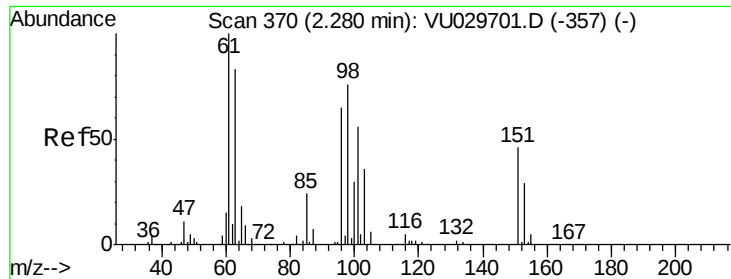
					Qvalue
12) 1,1-Dichloroethene	2.27	96	2027	0.685 ug/L #	1
13) Acetone	2.32	43	9654	4.536 ug/L	97
39) cis-1,3-Dichloropropene	7.22	75	5027	1.076 ug/L #	78
44) trans-1,3-Dichloropropene	7.85	75	3869	0.879 ug/L	94
48) 2-Hexanone	8.31	43	18906	5.314 ug/L #	69
51) Chlorobenzene	9.12	112	4833	0.540 ug/L	92
59) 1,2,3-Trichloropropane	11.48	75	23077	5.588 ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	6294	0.941 ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	7018	1.012 ug/L	96

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

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#12

1,1-Dichloroethene

Concen: 0.685 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

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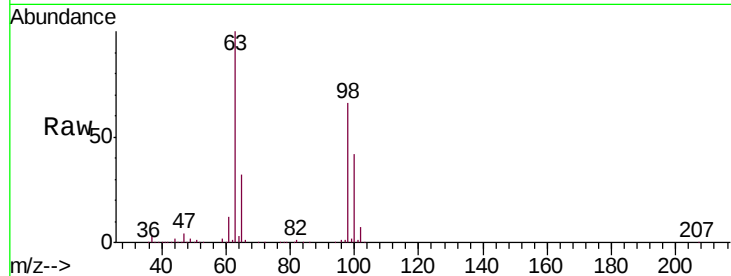
Tgt Ion: 96 Resp: 2027

Ion Ratio Lower Upper

96 100

61 1293.2 114.0 211.8#

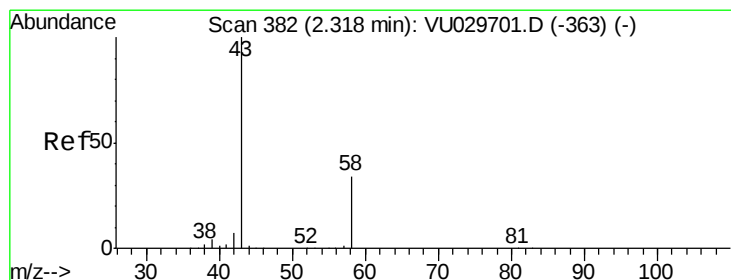
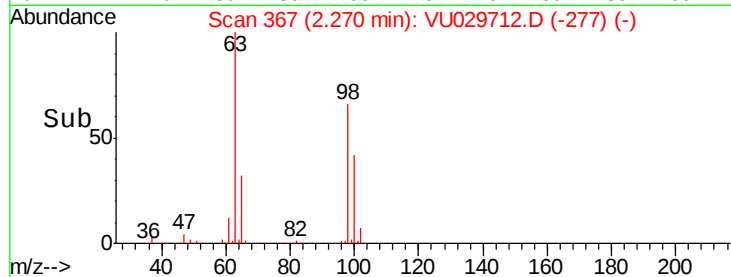
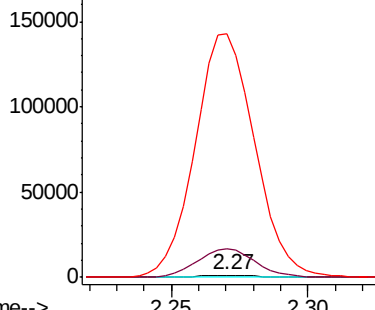
63 10866.4 98.7 183.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 4.536 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029712.D

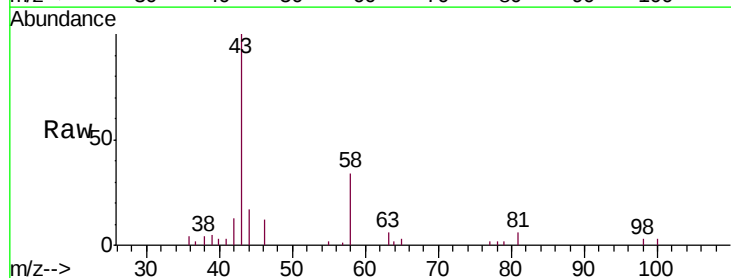
Acq: 27 Feb 2019 18:26

Tgt Ion: 43 Resp: 9654

Ion Ratio Lower Upper

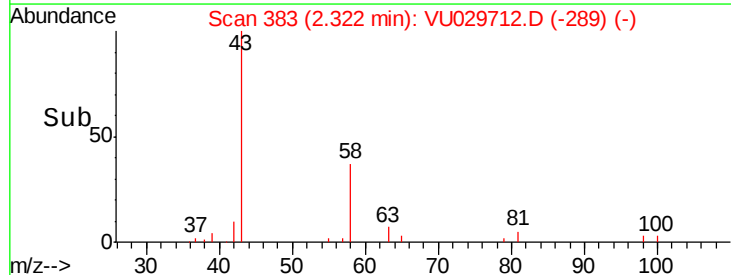
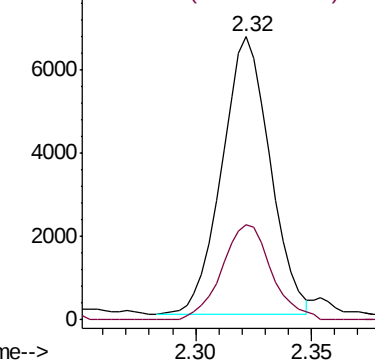
43 100

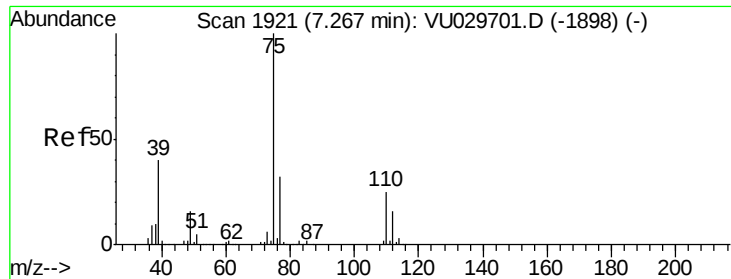
58 35.2 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#39

cis-1,3-Dichloropropene

Concen: 1.076 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU029712.D

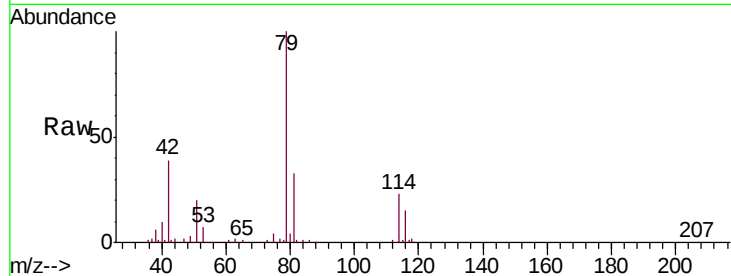
Acq: 27 Feb 2019 18:26

Tgt Ion: 75 Resp: 5027

Ion Ratio Lower Upper

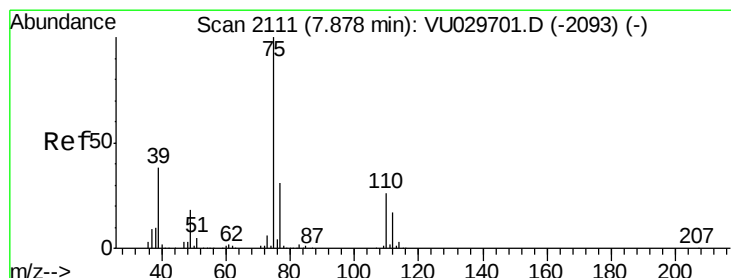
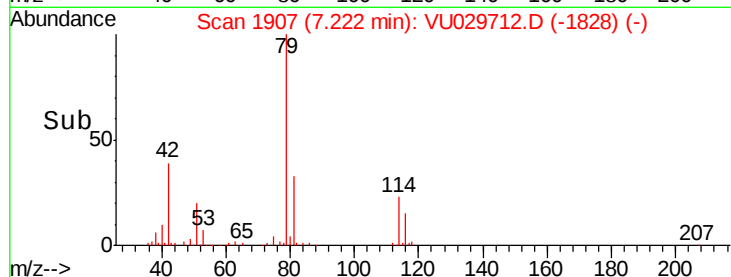
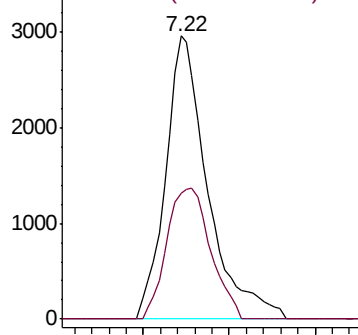
75 100

77 44.3 22.3 41.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.879 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029712.D

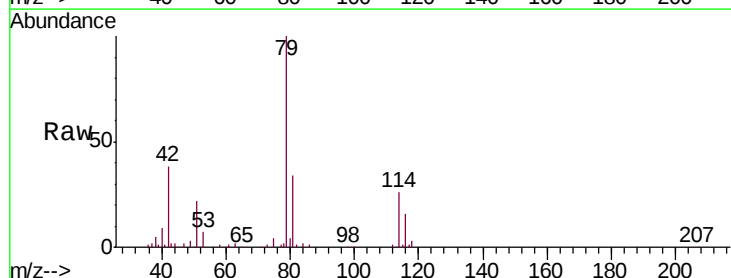
Acq: 27 Feb 2019 18:26

Tgt Ion: 75 Resp: 3869

Ion Ratio Lower Upper

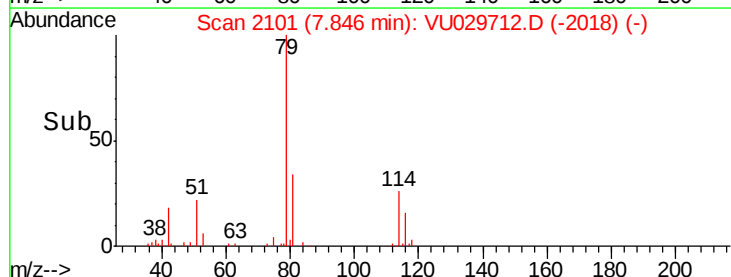
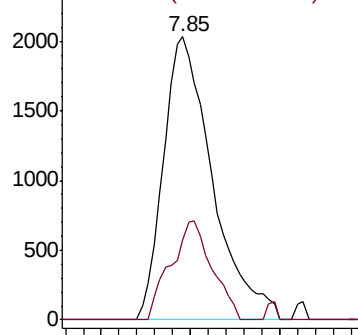
75 100

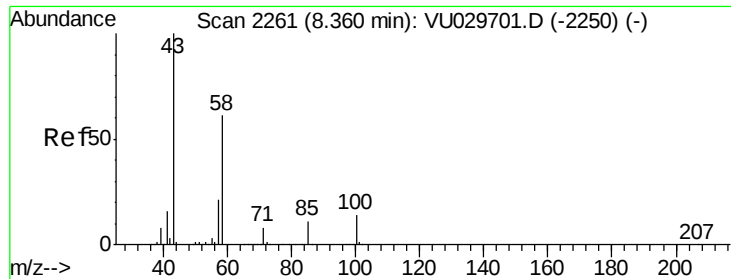
77 28.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

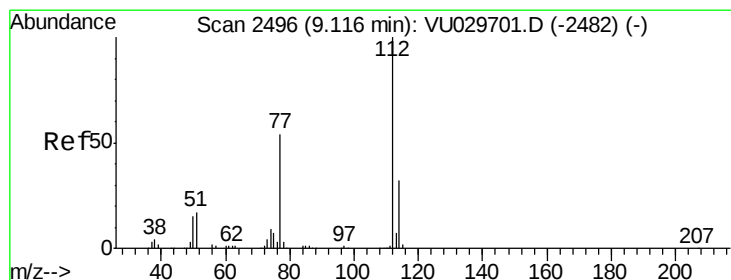
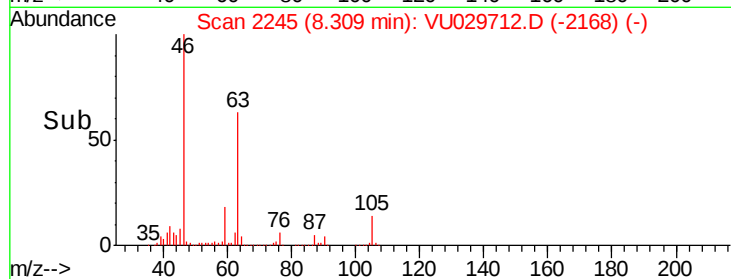
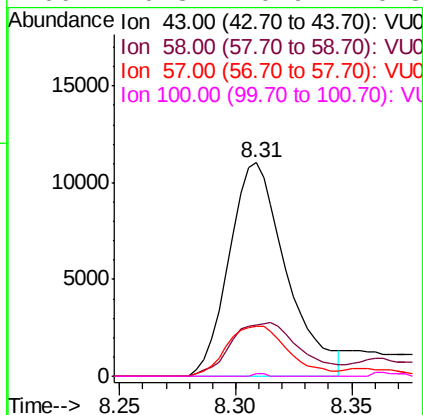
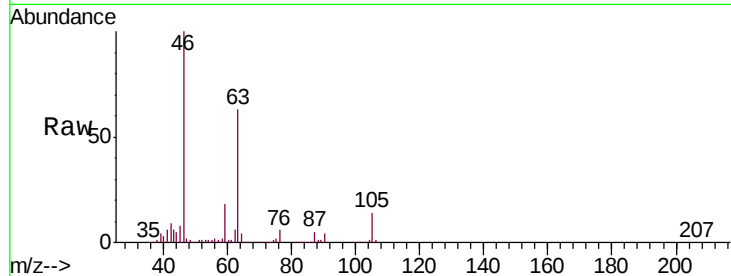
Ion 77.00 (76.70 to 77.70): VU0





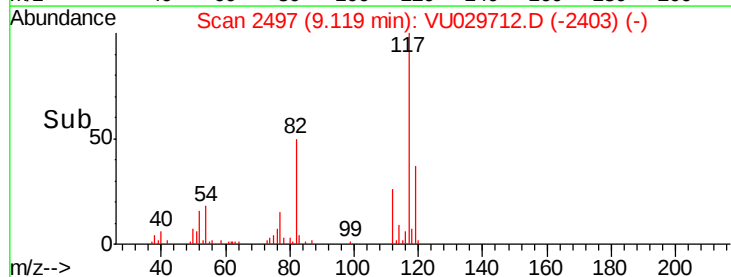
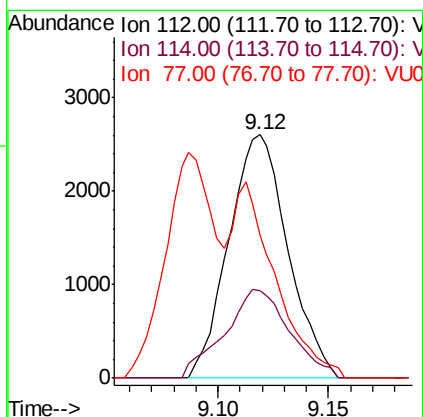
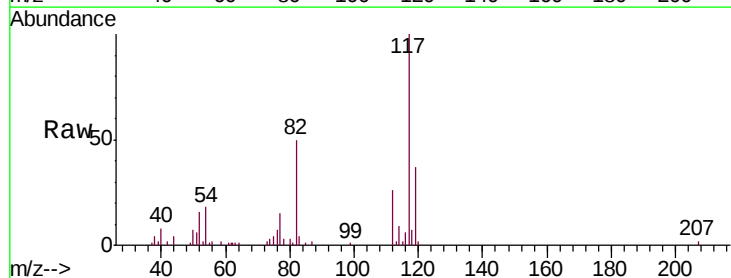
#48
2-Hexanone
Concen: 5.314 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU029712.D
Acq: 27 Feb 2019 18:26

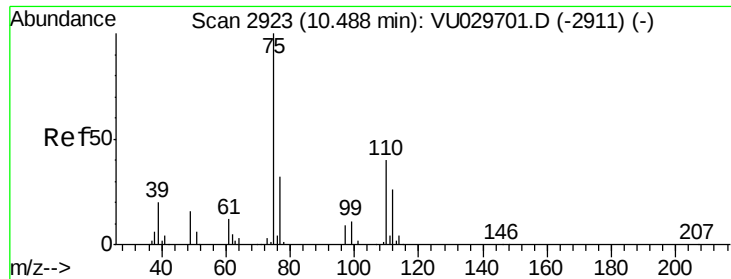
Tgt Ion:	43	Resp:	18906
Ion	Ratio	Lower	Upper
43	100		
58	30.7	46.4	69.6#
57	25.4	15.7	23.5#
100	0.3	10.9	16.3#



#51
Chlorobenzene
Concen: 0.540 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029712.D
Acq: 27 Feb 2019 18:26

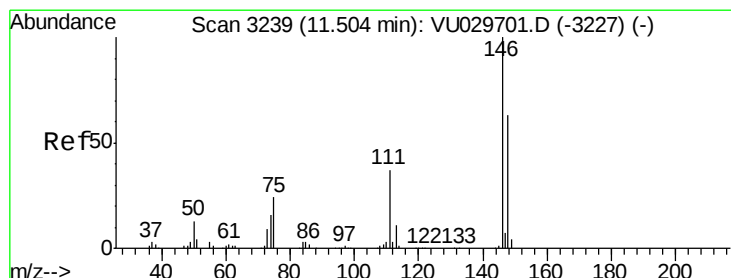
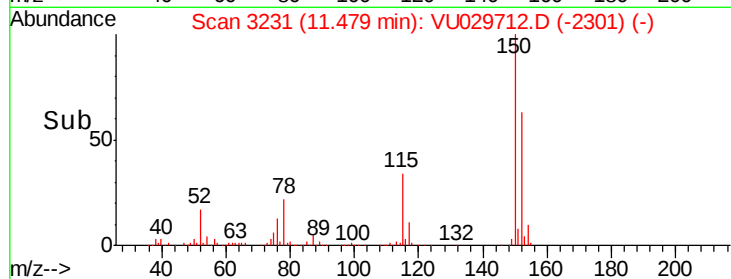
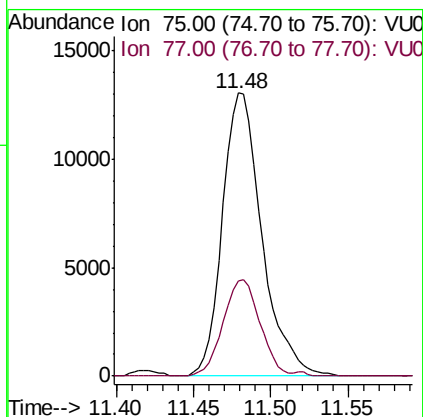
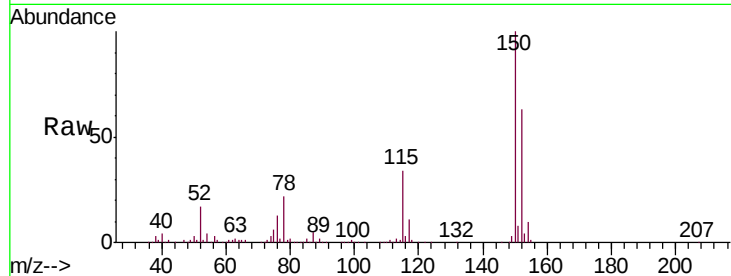
Tgt Ion:	112	Resp:	4833
Ion	Ratio	Lower	Upper
112	100		
114	36.1	22.7	42.1
77	58.7	42.1	63.1





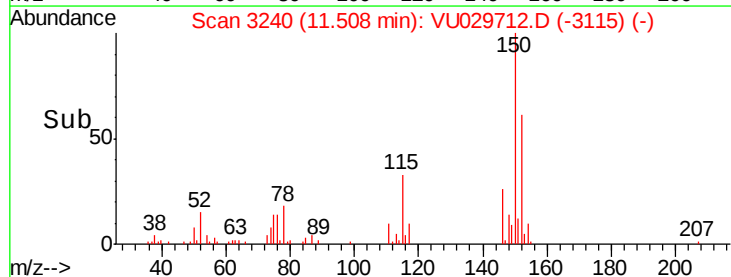
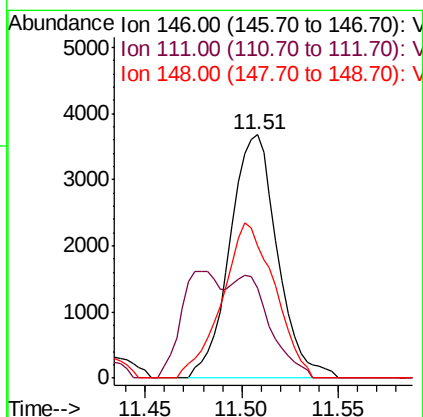
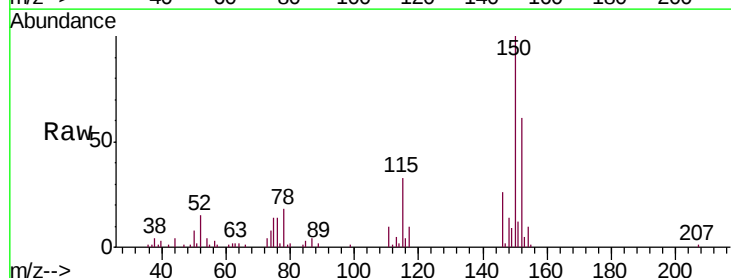
#59
 1,2,3-Trichloropropane
 Concen: 5.588 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029712.D
 Acq: 27 Feb 2019 18:26

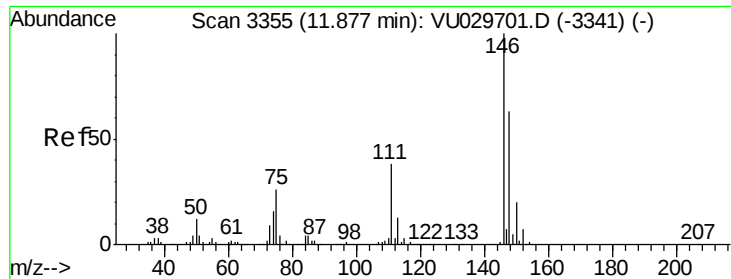
Tgt Ion: 75 Resp: 23077
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5



#63
 1,4-Dichlorobenzene
 Concen: 0.941 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029712.D
 Acq: 27 Feb 2019 18:26

Tgt Ion: 146 Resp: 6294
 Ion Ratio Lower Upper
 146 100
 111 37.1 25.1 46.5
 148 54.1 45.0 83.6





#65
 1,2-Dichlorobenzene
 Concen: 1.012 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029712.D
 Acq: 27 Feb 2019 18:26

Tgt Ion:	146	Resp:	7018
Ion	Ratio	Lower	Upper
146	100		
111	45.6	31.2	46.8
148	64.0	51.6	77.4

