

Data File : VU029719.D
Acq On : 27 Feb 2019 21:09
Operator : JC/SP
Sample : K1623-01DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Feb 28 00:56:21 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	435471	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	418440	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	210856	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	148074	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.80%
7) Chloroethane-d5	1.68	69	126395	44.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.12%
11) 1,1-Dichloroethene-d2	2.27	63	216412	34.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.40%
21) 2-Butanone-d5	4.17	46	222650	114.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	4.65	84	274065	52.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.90%
26) 1,2-Dichloroethane-d4	5.31	65	172418	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
32) Benzene-d6	5.34	84	586788	55.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.46%
36) 1,2-Dichloropropane-d6	6.33	67	179064	56.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.06%
41) Toluene-d8	7.56	98	556644	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.85	79	83184	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.31	63	180385	102.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	272224	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	238764	52.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.08%

Target Compounds

					Qvalue
6) Bromomethane	1.63	94	931	0.573 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2618	0.863 ug/L #	31
12) 1,1-Dichloroethene	2.27	96	2242	0.777 ug/L #	1
13) Acetone	2.32	43	7909	3.811 ug/L	99
16) Methylene chloride	2.70	84	6235	2.234 ug/L	96
33) Benzene	5.39	78	5478	0.511 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3513	0.820 ug/L	84
48) 2-Hexanone	8.36	43	4432	1.281 ug/L #	78
51) Chlorobenzene	9.12	112	66498	7.637 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	21234	5.288 ug/L	90
62) 1,3-Dichlorobenzene	11.42	146	10297	1.532 ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	80921	11.961 ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	379395	54.062 ug/L	100
67) 1,3,5-Trichlorobenzene	13.50	180	61300	11.949 ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	61300	13.815 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	43131	9.153 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022719\
Quantitation Report (Not Reviewed)

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ALS Vial : 43 Sample Multiplier: 1

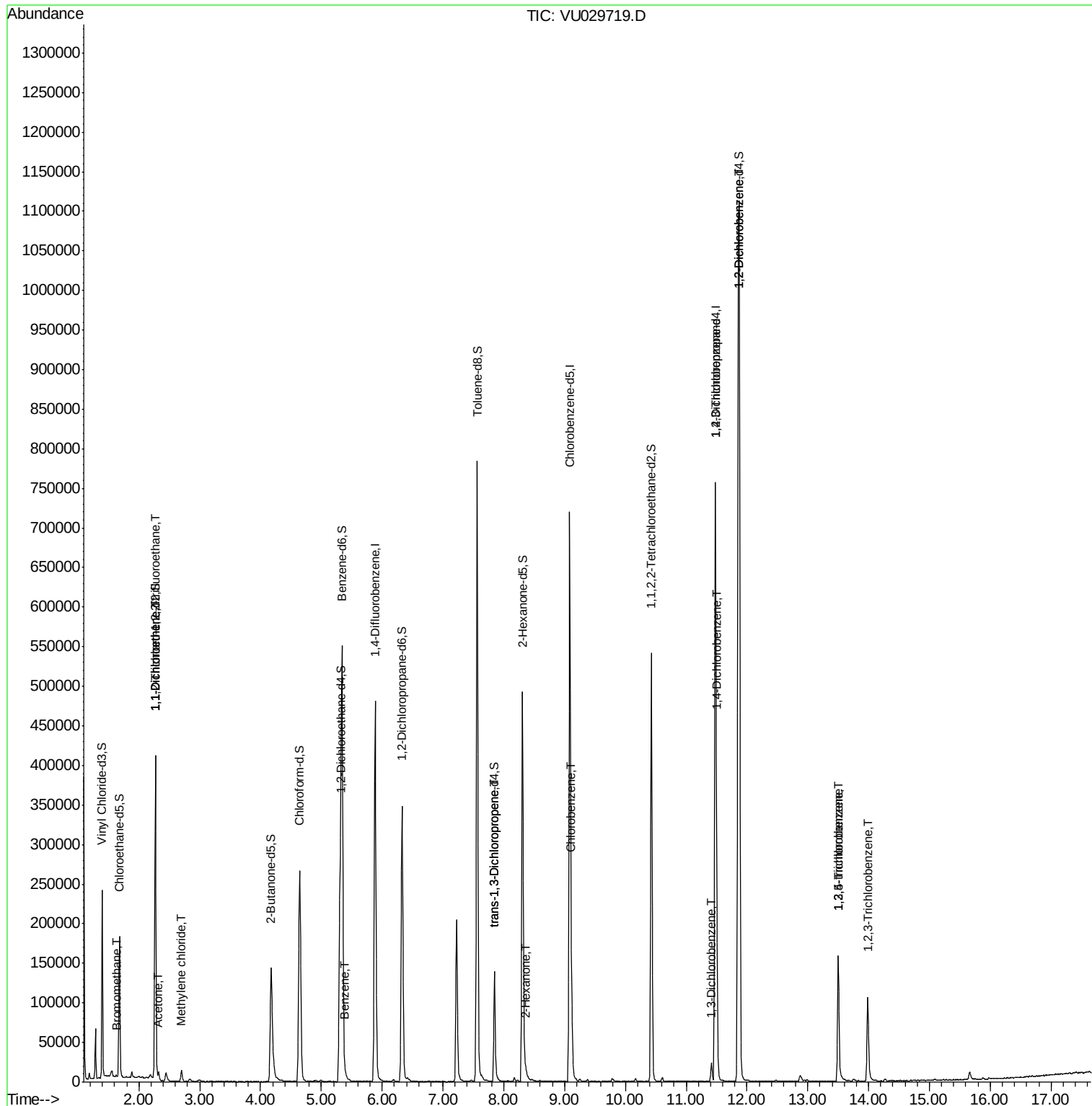
Quant Time: Feb 28 00:56:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 28 00:50:18 2019
Response via : Initial Calibration

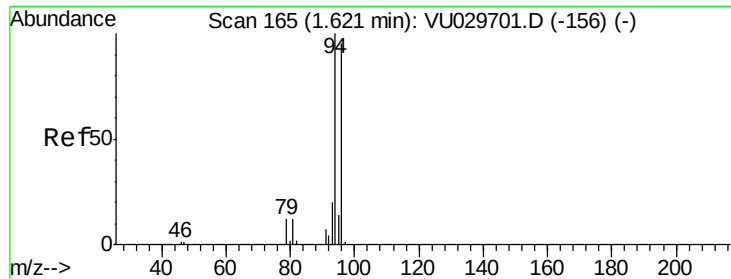
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.573 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029719.D

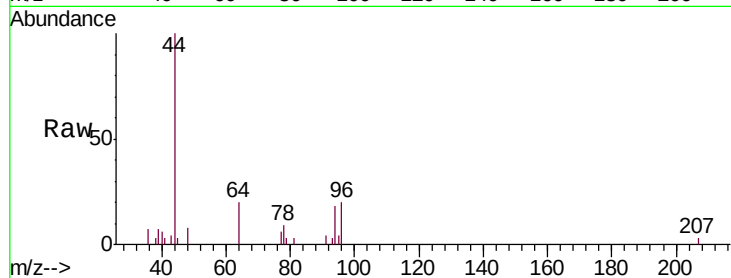
Acq: 27 Feb 2019 21:09

Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

94 100

96 107.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU029719.D (-163) (-)

Ion 96.00 (95.70 to 96.70): VU029719.D (-163) (-)

1.63

600

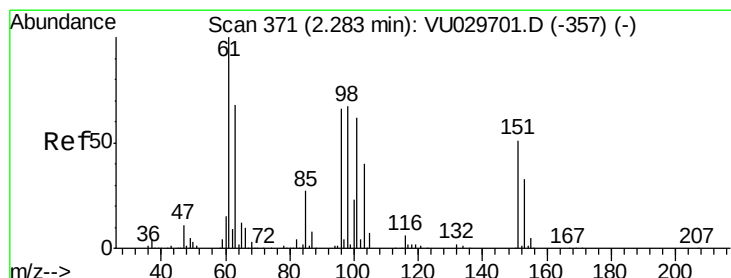
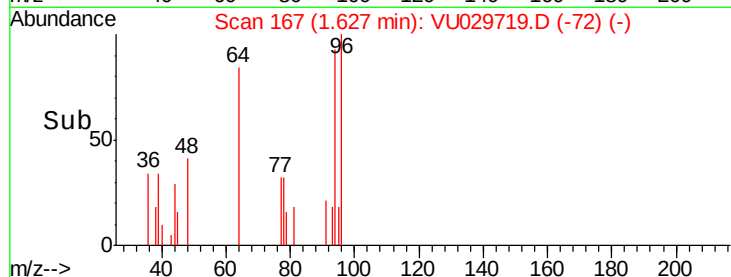
400

200

0

1.62 1.64 1.66

Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.863 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029719.D

Acq: 27 Feb 2019 21:09

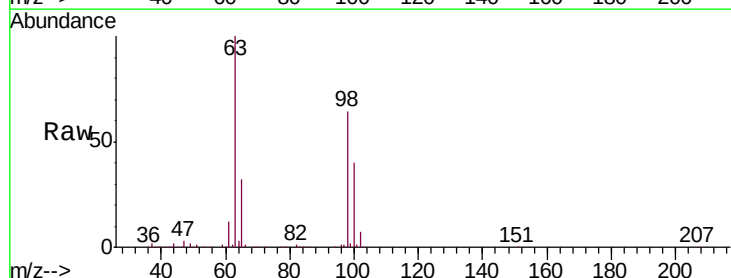
Tgt Ion: 101 Resp: 2618

Ion Ratio Lower Upper

101 100

85 8.0 33.0 49.6#

151 13.8 65.7 98.5#



Abundance Ion 101.00 (100.70 to 101.70): VU029719.D (-278) (-)

Ion 85.00 (84.70 to 85.70): VU029719.D (-278) (-)

Ion 151.00 (150.70 to 151.70): VU029719.D (-278) (-)

2000

1500

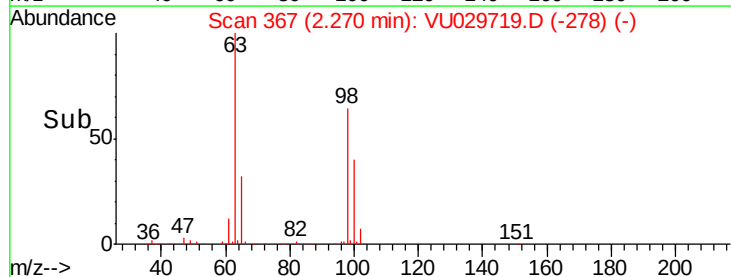
1000

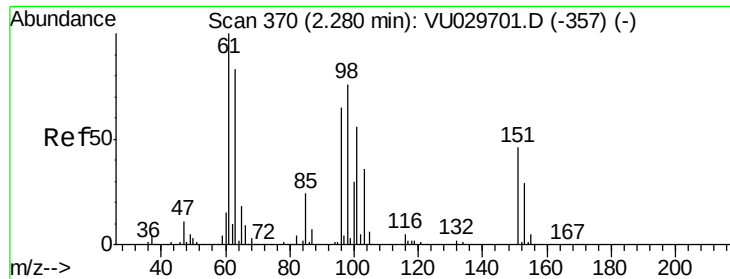
500

0

2.25 2.27 2.29

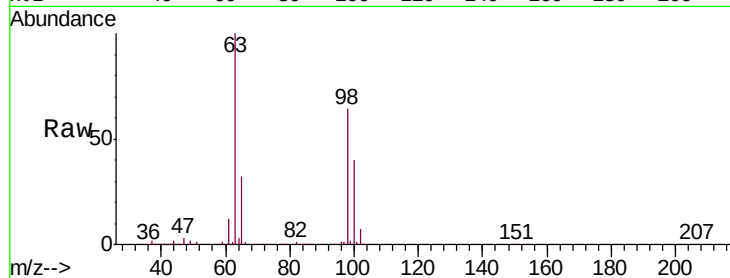
Time-->



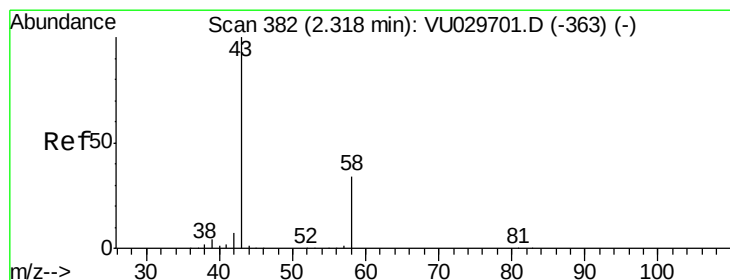
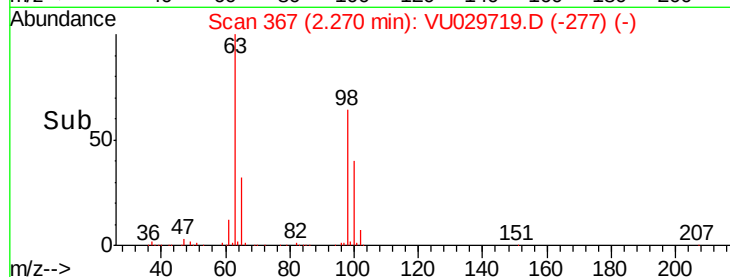
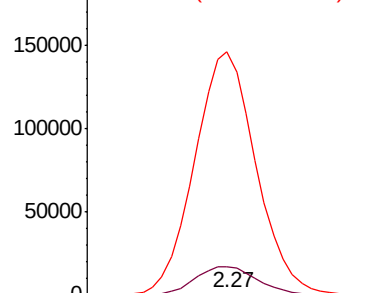


#12
 1,1-Dichloroethene
 Concen: 0.777 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion: 96 Resp: 2242
 Ion Ratio Lower Upper
 96 100
 61 1384.3 114.0 211.8#
 63 11571.8 98.7 183.3#

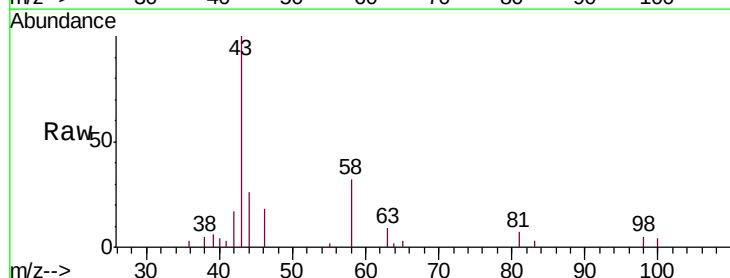


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

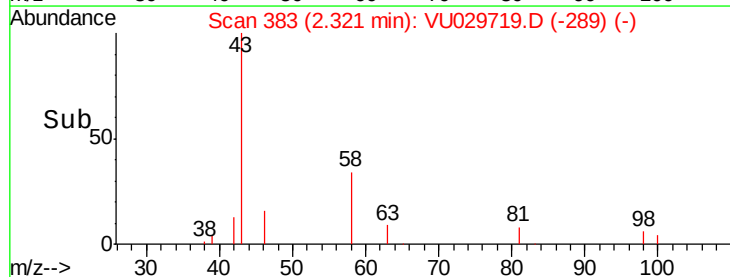
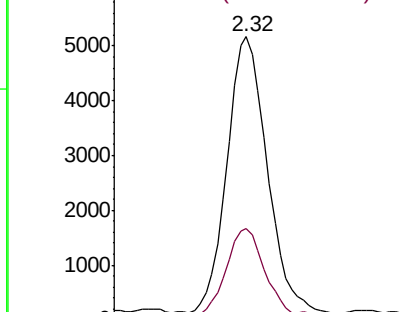


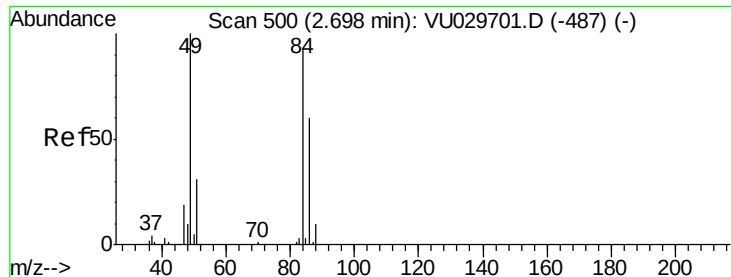
#13
 Acetone
 Concen: 3.811 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion: 43 Resp: 7909
 Ion Ratio Lower Upper
 43 100
 58 32.9 0.0 66.8



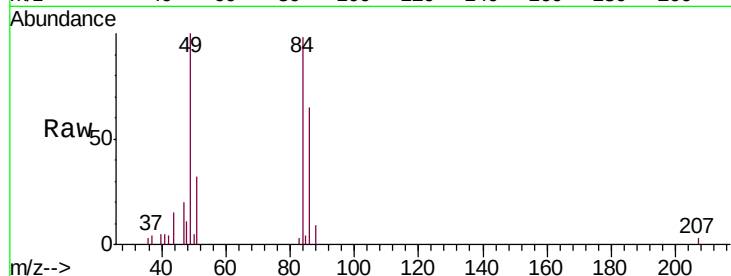
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0



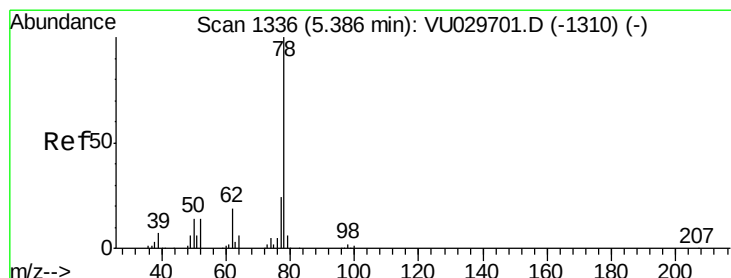
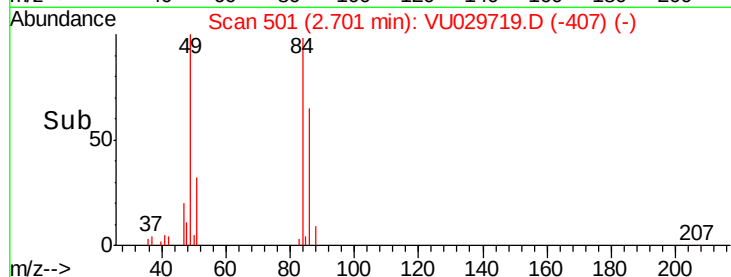
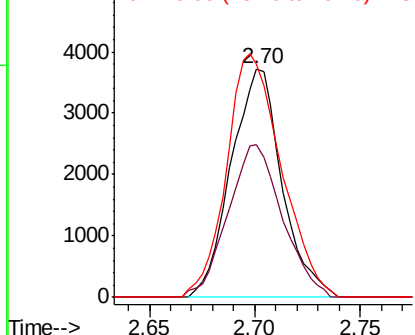


#16
Methylene chloride
Concen: 2.234 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029719.D
Acq: 27 Feb 2019 21:09

Tgt Ion: 84 Resp: 6235
Ion Ratio Lower Upper
84 100
86 66.7 45.8 85.0
49 102.1 75.1 139.5

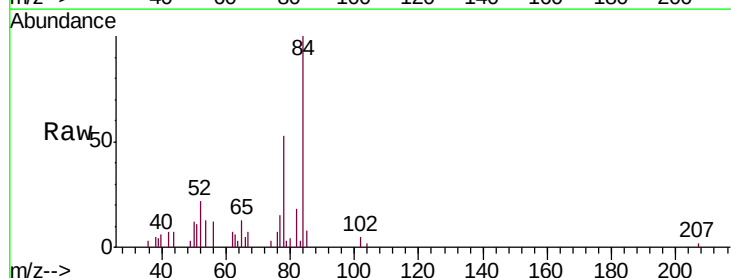


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

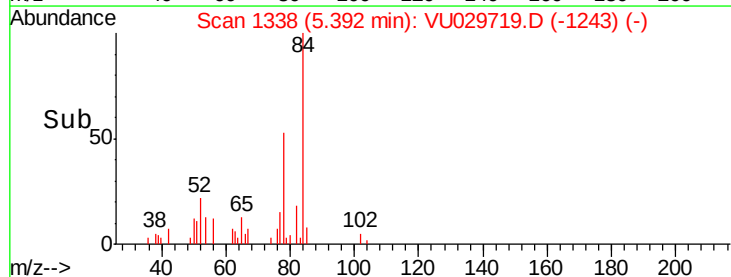
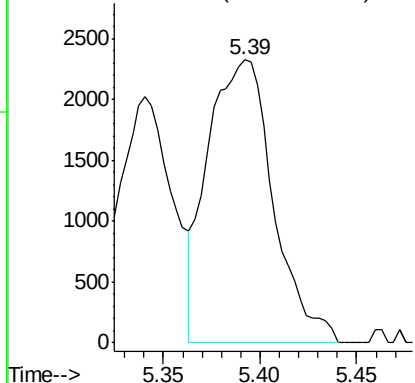


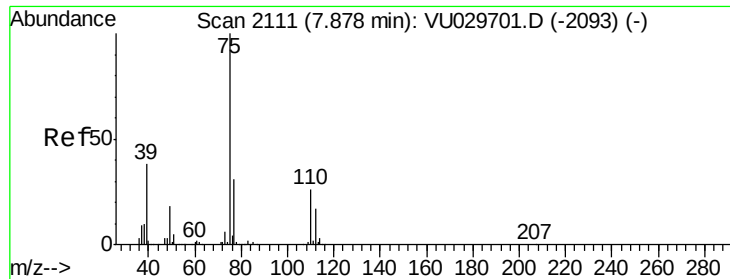
#33
Benzene
Concen: 0.511 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU029719.D
Acq: 27 Feb 2019 21:09

Tgt Ion: 78 Resp: 5478



Abundance Ion 78.00 (77.70 to 78.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.820 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU029719.D

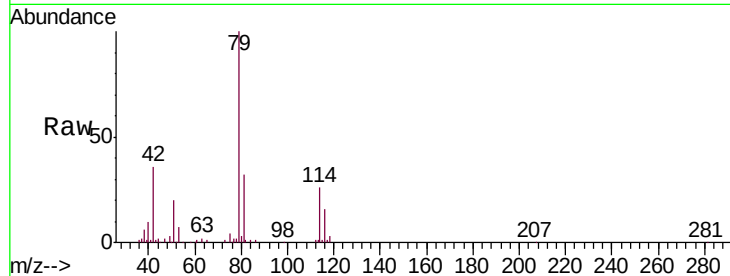
Acq: 27 Feb 2019 21:09

Tgt Ion: 75 Resp: 3513

Ion Ratio Lower Upper

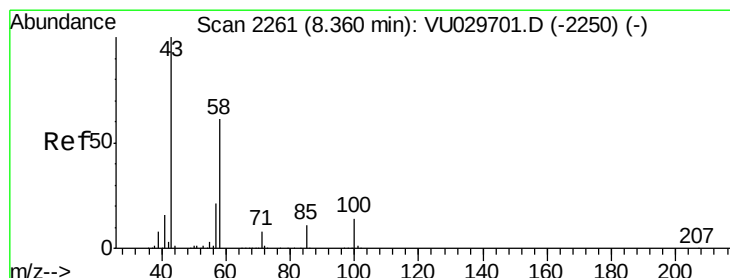
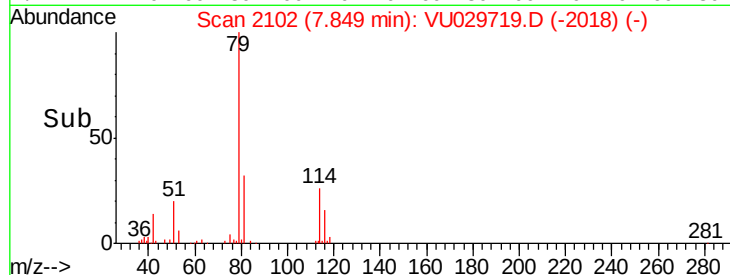
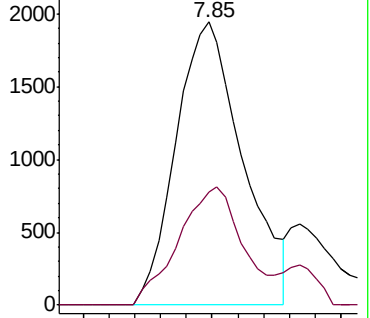
75 100

77 40.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029719.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU029719.D (-2102) (-)



#48

2-Hexanone

Concen: 1.281 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU029719.D

Acq: 27 Feb 2019 21:09

Tgt Ion: 43 Resp: 4432

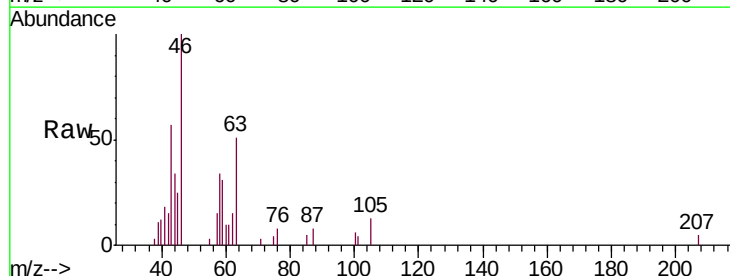
Ion Ratio Lower Upper

43 100

58 42.4 46.4 69.6#

57 8.1 15.7 23.5#

100 4.3 10.9 16.3#

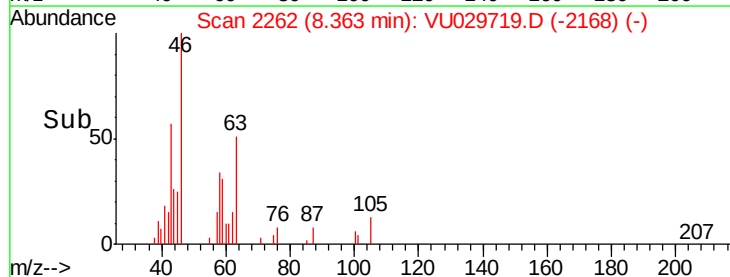
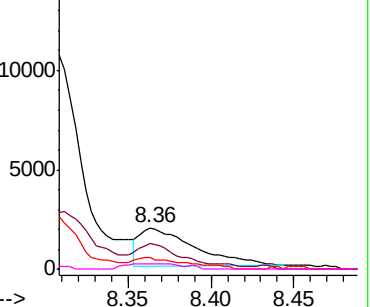


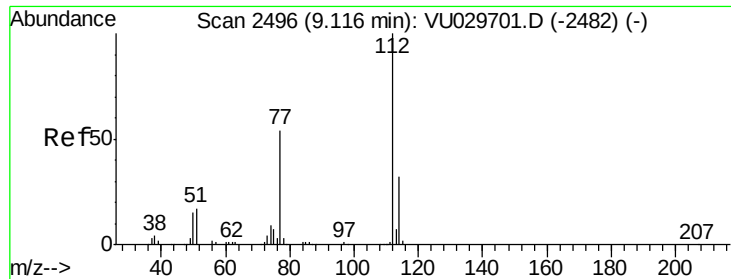
Abundance Ion 43.00 (42.70 to 43.70): VU029719.D (-2262) (-)

Ion 58.00 (57.70 to 58.70): VU029719.D (-2262) (-)

Ion 57.00 (56.70 to 57.70): VU029719.D (-2262) (-)

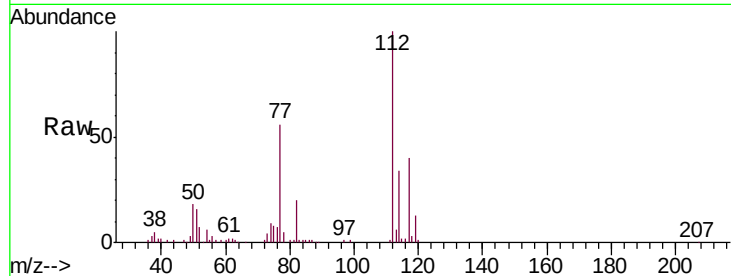
Ion 100.00 (99.70 to 100.70): VU029719.D (-2262) (-)



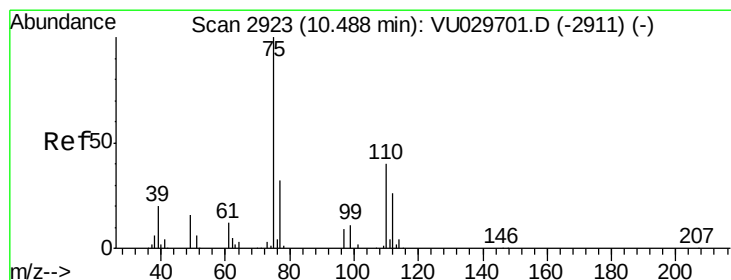
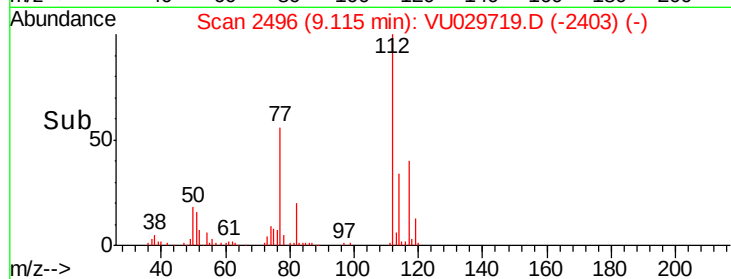
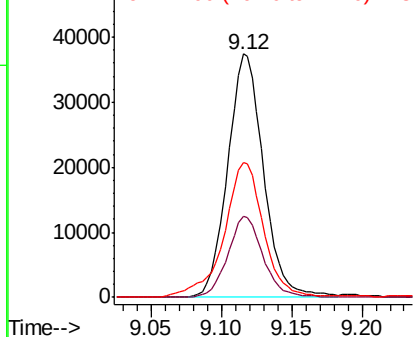


#51
Chlorobenzene
Concen: 7.637 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029719.D
Acq: 27 Feb 2019 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.5	22.7	42.1
77	55.5	42.1	63.1

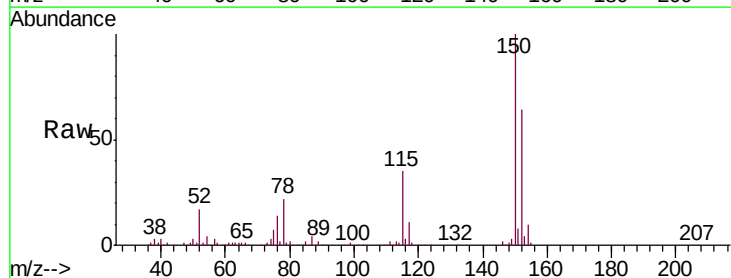


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

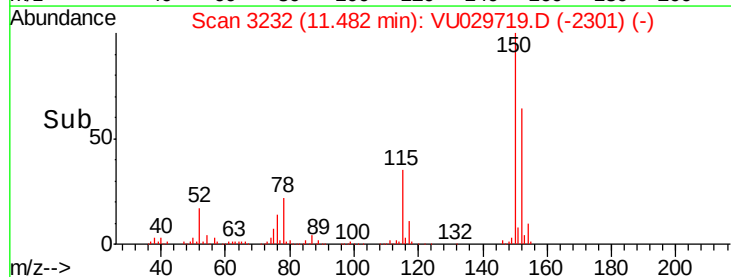
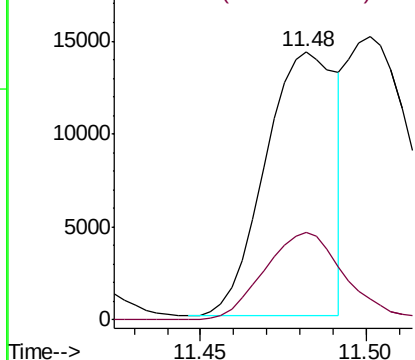


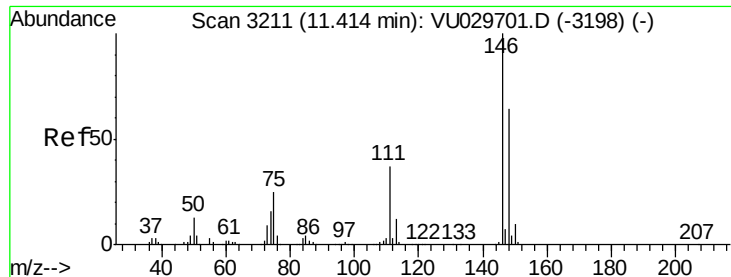
#59
1,2,3-Trichloropropane
Concen: 5.288 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029719.D
Acq: 27 Feb 2019 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.6	25.7	38.5



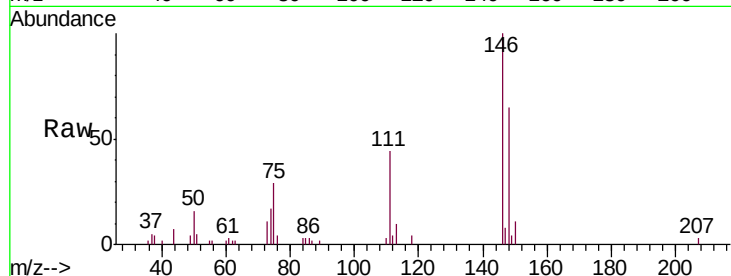
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#62
 1,3-Dichlorobenzene
 Concen: 1.532 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	26.7	49.5
148	65.0	45.9	85.3

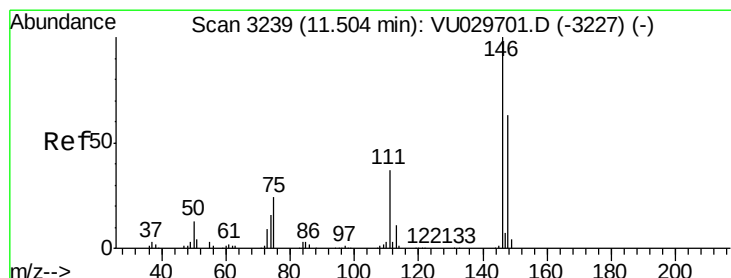
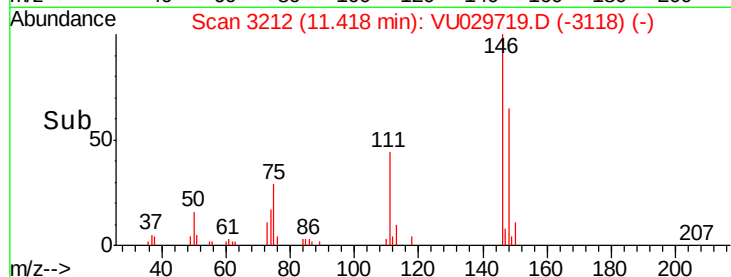
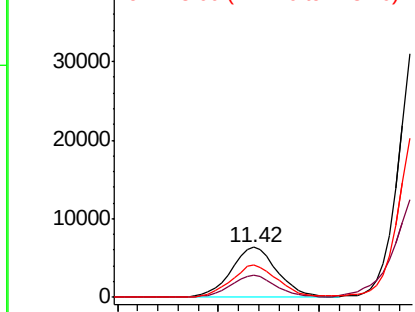


Abundance

Ion 146.00 (145.70 to 146.70): V

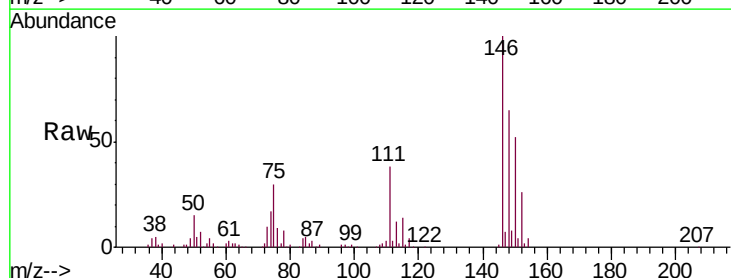
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 11.961 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	25.1	46.5
148	64.6	45.0	83.6

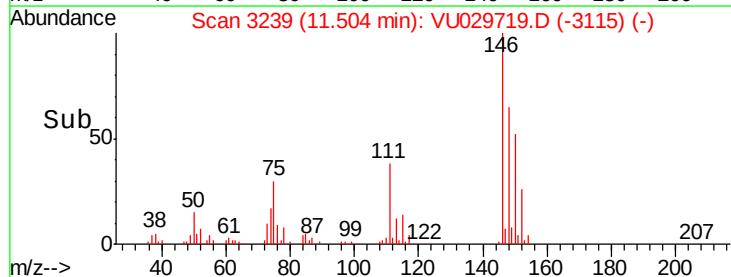
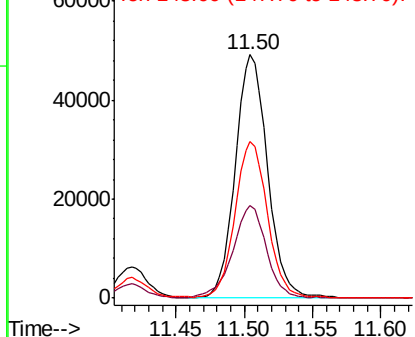


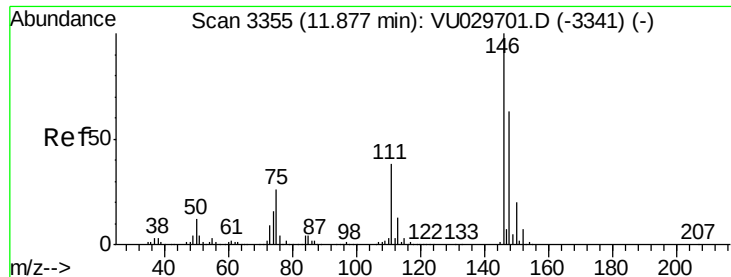
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

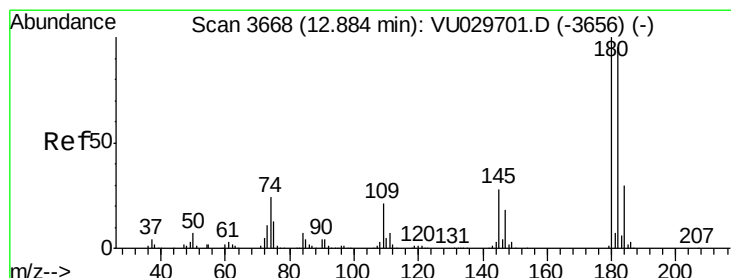
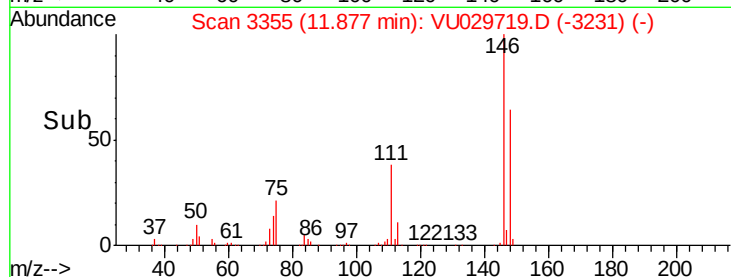
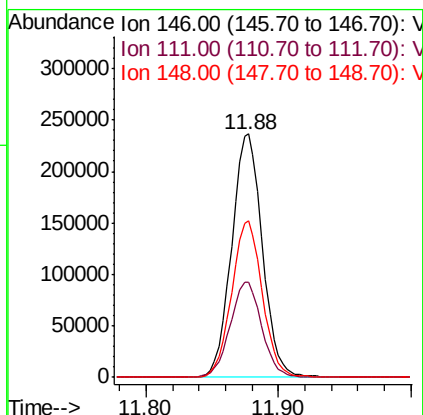
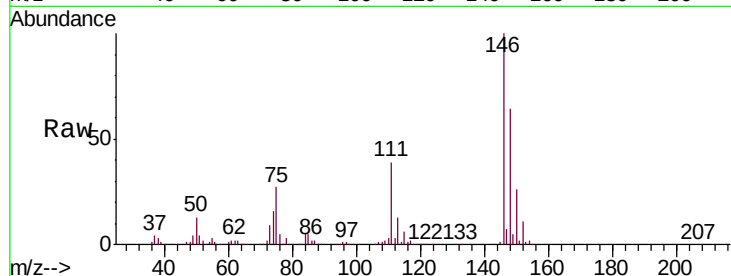
Ion 148.00 (147.70 to 148.70): V





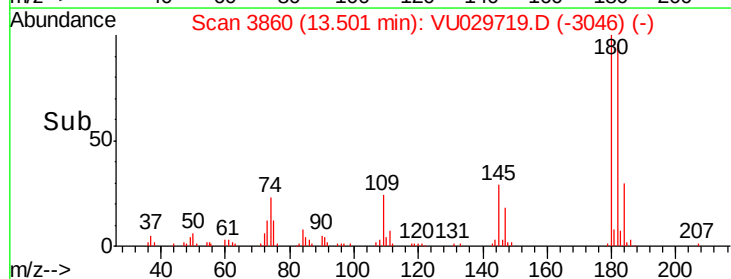
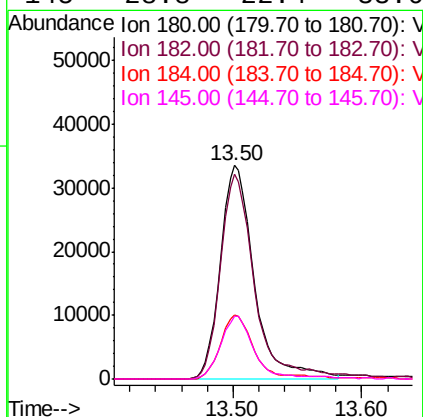
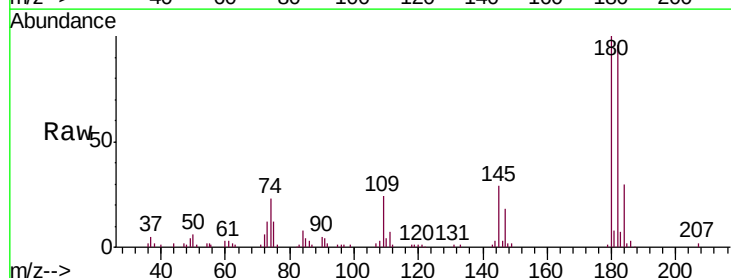
#65
 1,2-Dichlorobenzene
 Concen: 54.062 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

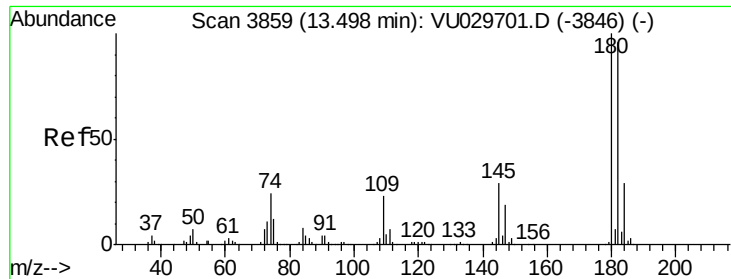
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	31.2	46.8
148	64.2	51.6	77.4



#67
 1,3,5-Trichlorobenzene
 Concen: 11.949 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

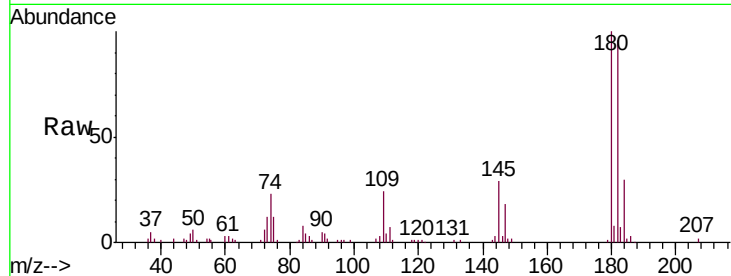
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	77.9	116.9
184	28.3	24.5	36.7
145	28.8	22.4	33.6



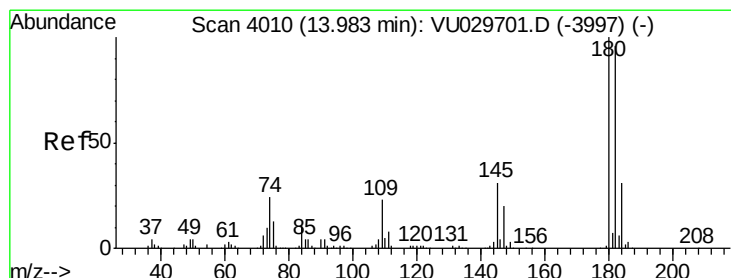
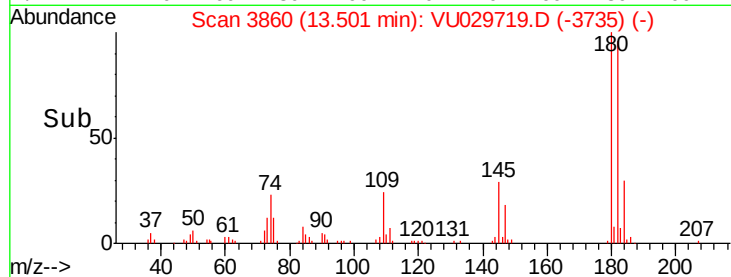
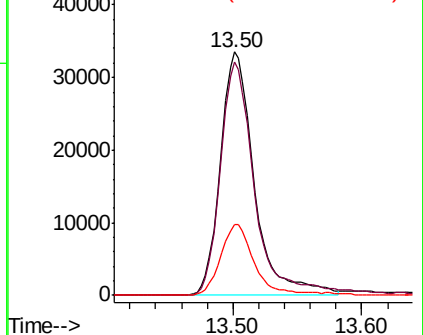


#68
 1,2,4-trichlorobenzene
 Concen: 13.815 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion:180 Resp: 61300
 Ion Ratio Lower Upper
 180 100
 182 92.9 76.2 114.2
 145 28.8 22.7 34.1

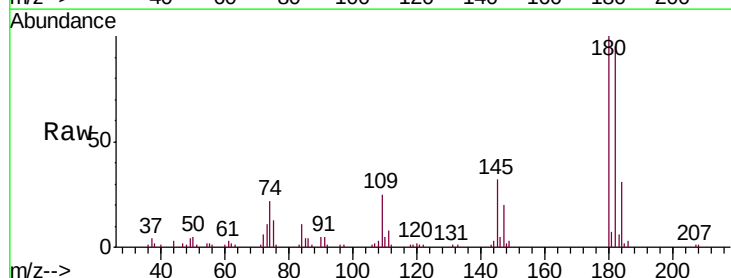


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 9.153 ug/L
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029719.D
 Acq: 27 Feb 2019 21:09

Tgt Ion:180 Resp: 43131
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.8 115.2
 145 30.2 24.4 36.6



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

