

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029335.D
 Acq On : 01 Feb 2019 16:44
 Operator : JC/SP
 Sample : K1287-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEJG7

Quant Time: Feb 01 23:54:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	60680	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	62424	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	29895	5.00	ug/L	0.00

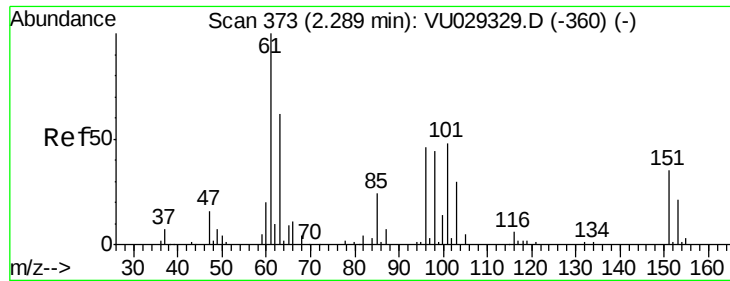
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	24181	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	1.68	69	23732	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.27	63	45715	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.19	46	70582	45.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.88%
24) Chloroform-d	4.65	84	52066	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.31	65	33009	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.34	84	89261	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.33	67	27778	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.56	98	74855	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.85	79	12614	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.31	63	54866	46.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23313	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	31243	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	281	0.051	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	385	0.082	ug/L #	1
13) Acetone	2.32	43	716	0.505	ug/L	63
15) Methyl Acetate	2.45	43	3378	1.012	ug/L #	60
17) Methyl tert-butyl Ether	3.00	73	3854	0.257	ug/L #	84
25) Chloroform	4.67	83	6676	0.622	ug/L	100
27) 1,2-Dichloroethane	5.33	62	661	0.081	ug/L #	82
35) Methylcyclohexane	6.33	83	7226	0.902	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	3592	0.660	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	1000	0.126	ug/L	88
48) 2-Hexanone	8.36	43	1701	0.603	ug/L #	72
62) 1,3-Dichlorobenzene	11.42	146	898	0.088	ug/L	91
69) Naphthalene	13.75	128	3718	0.313	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	4461	0.619	ug/L	95

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



#10

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

Concen: 0.051 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

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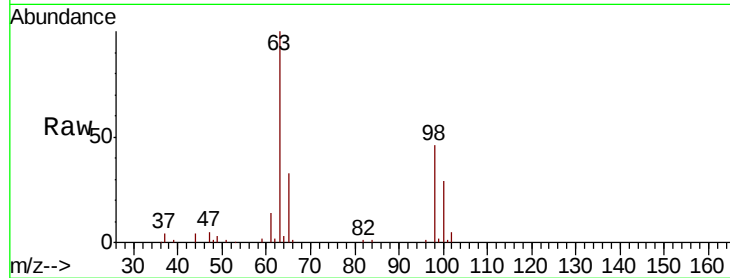
Tgt Ion:101 Resp: 281

Ion Ratio Lower Upper

101 100

85 0.0 39.6 59.4#

151 0.0 57.2 85.8#

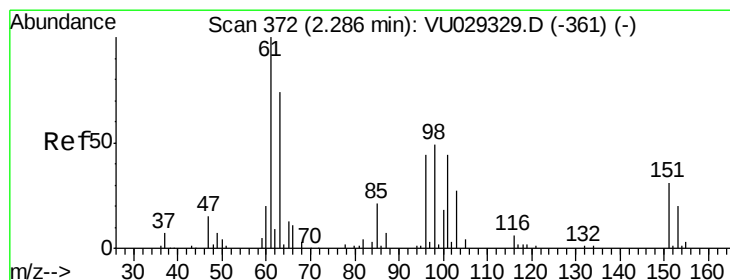
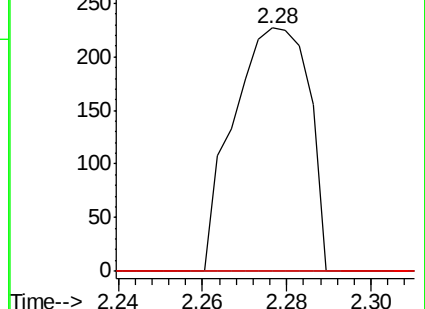
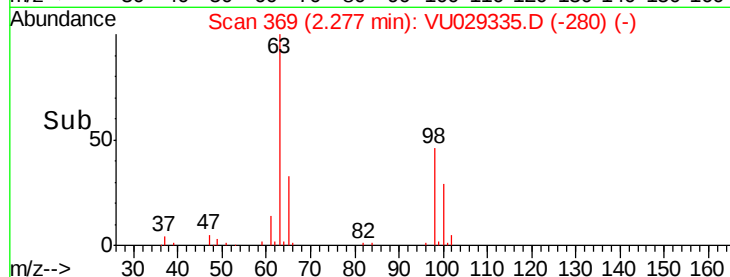


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

Time-->



#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

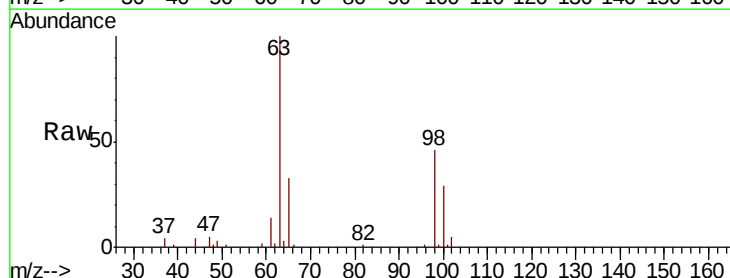
Tgt Ion: 96 Resp: 385

Ion Ratio Lower Upper

96 100

61 1412.8 159.5 296.1#

63 9875.7 124.3 230.8#

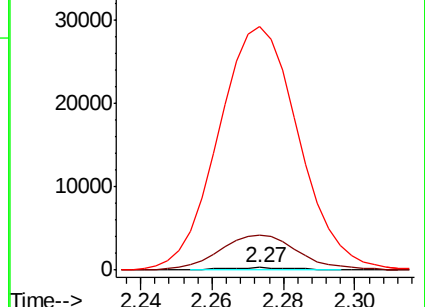
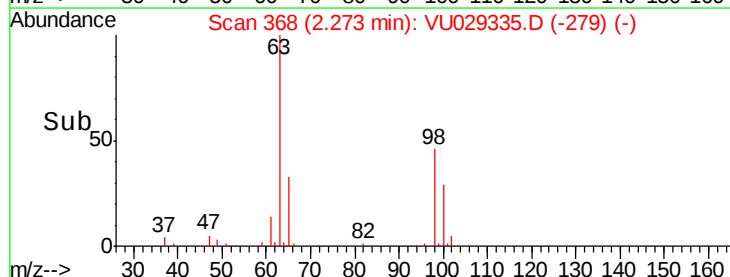


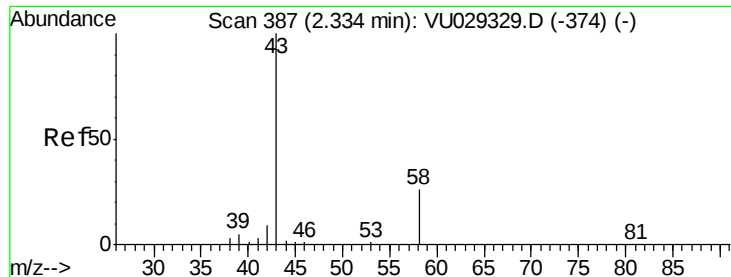
Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

Time-->





#13

Acetone

Concen: 0.505 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

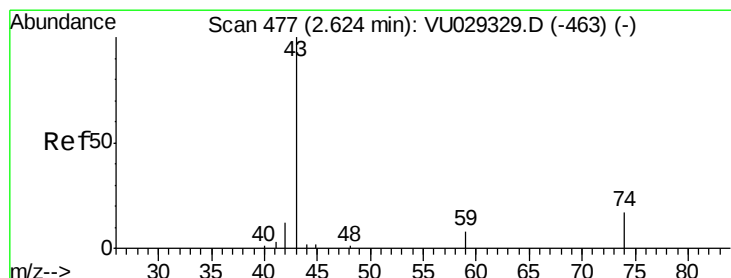
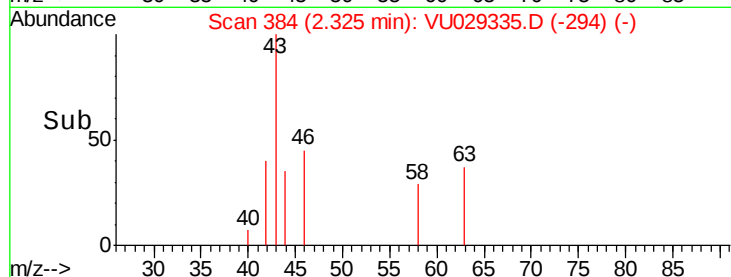
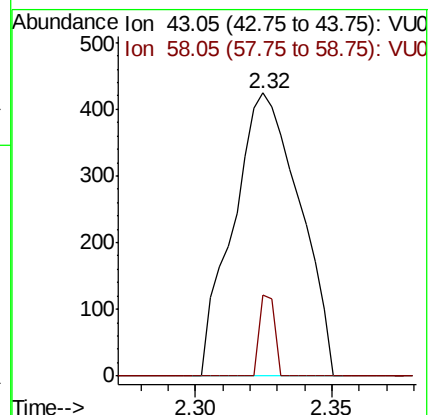
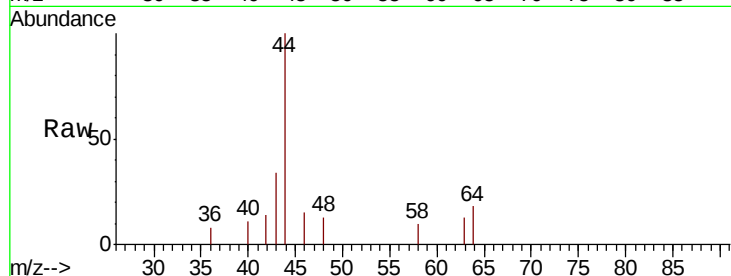
BEJG7

Tgt Ion: 43 Resp: 716

Ion Ratio Lower Upper

43 100

58 6.4 0.0 50.0



#15

Methyl Acetate

Concen: 1.012 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.18 min

Lab File: VU029335.D

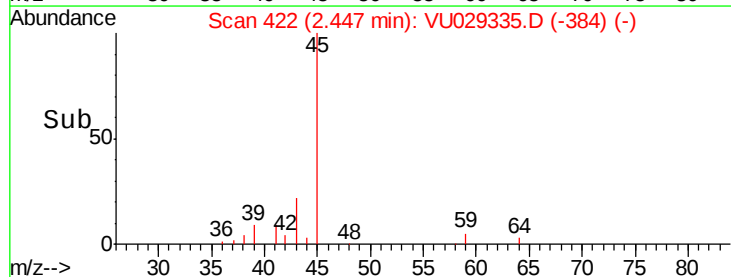
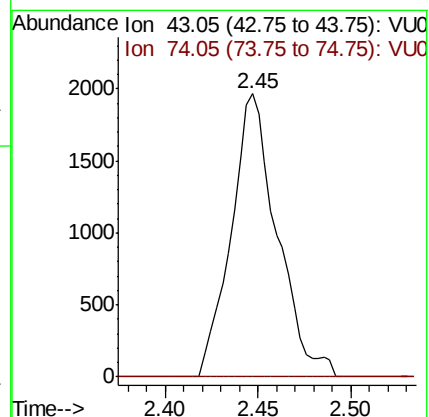
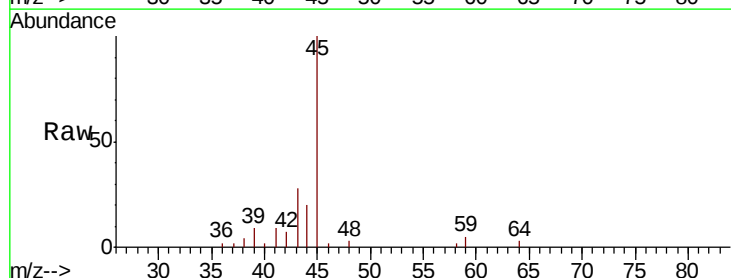
Acq: 01 Feb 2019 16:44

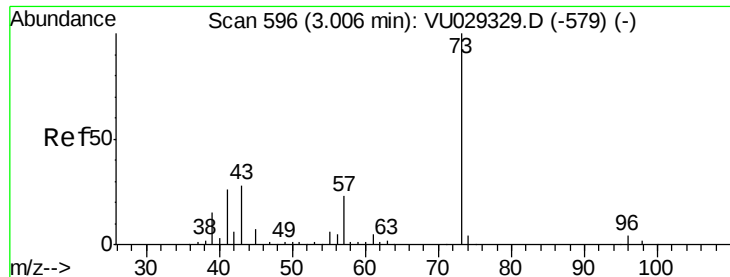
Tgt Ion: 43 Resp: 3378

Ion Ratio Lower Upper

43 100

74 0.0 14.2 21.4#

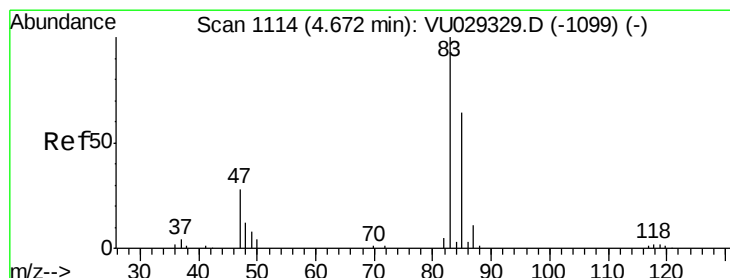
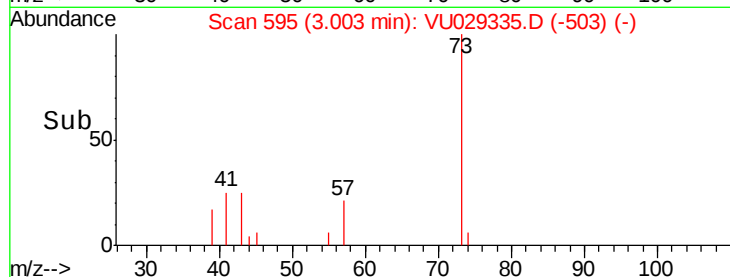
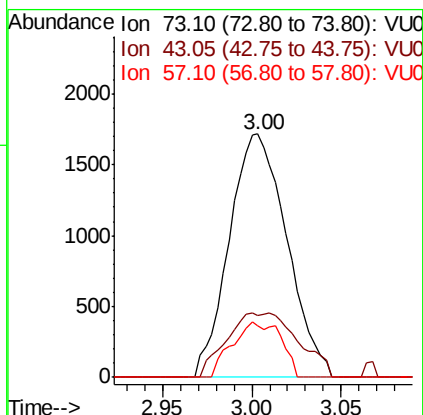
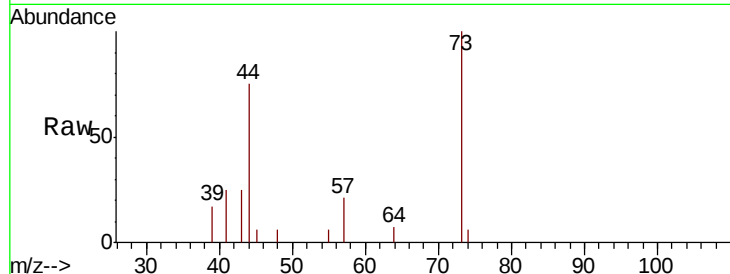




#17
Methyl tert-butyl Ether
Concen: 0.257 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029335.D
Acq: 01 Feb 2019 16:44

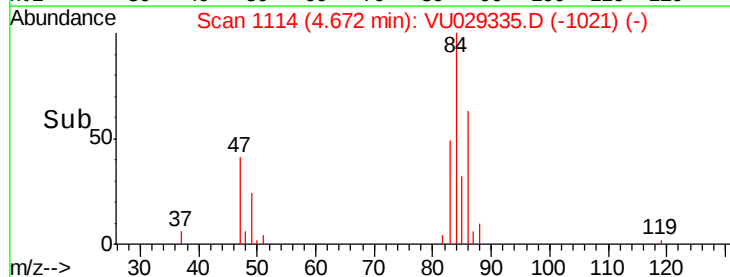
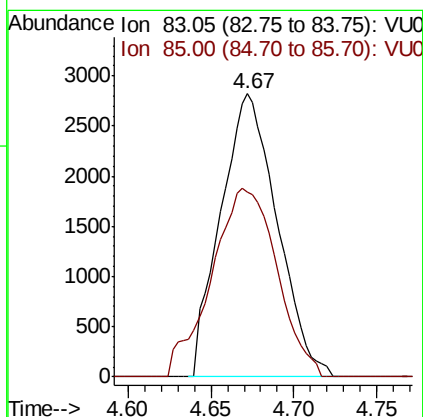
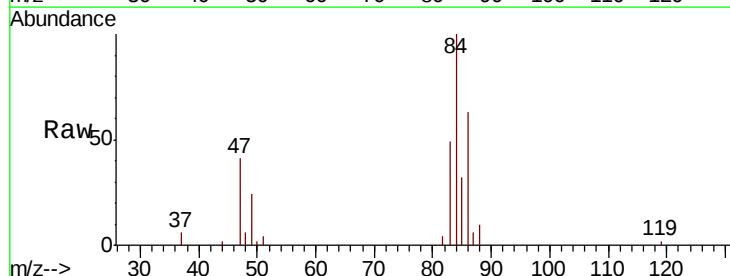
Instrument :
MSVOA_U
ClientSampleId :
BEJG7

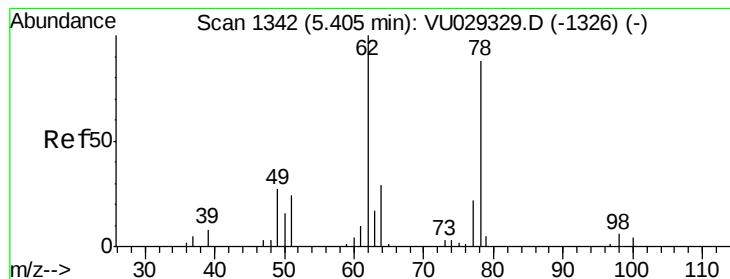
Tgt Ion: 73 Resp: 3854
Ion Ratio Lower Upper
73 100
43 15.3 21.9 32.9#
57 19.3 18.2 27.2



#25
Chloroform
Concen: 0.622 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029335.D
Acq: 01 Feb 2019 16:44

Tgt Ion: 83 Resp: 6676
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6





#27

1,2-Dichloroethane

Concen: 0.081 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.07 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

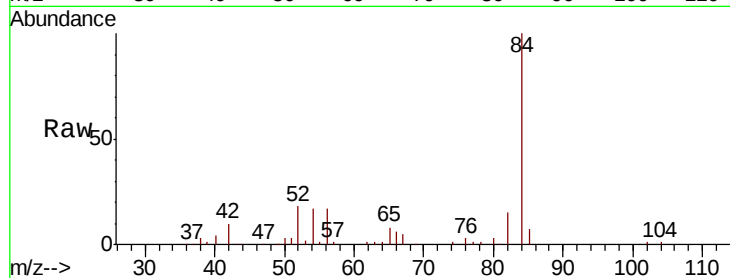
BEJG7

Tgt Ion: 62 Resp: 661

Ion Ratio Lower Upper

62 100

98 0.0 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.33

400

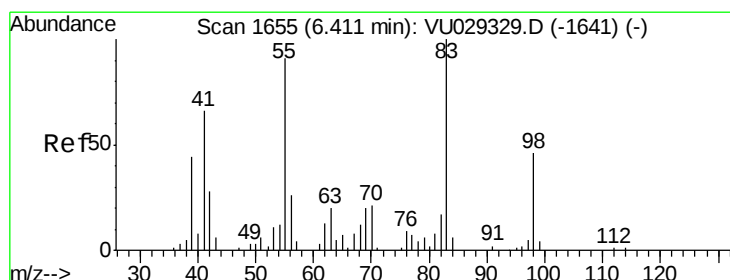
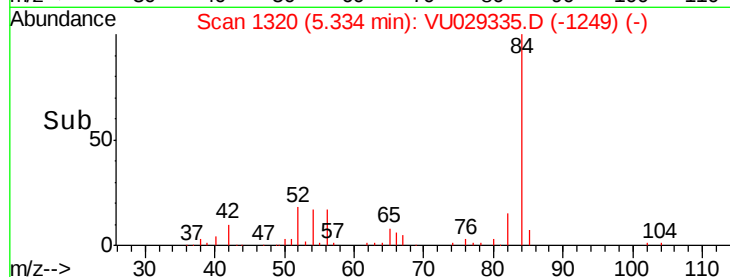
300

200

100

0

Time-->



#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

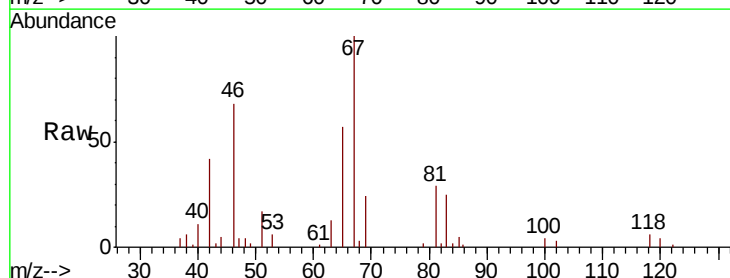
Tgt Ion: 83 Resp: 7226

Ion Ratio Lower Upper

83 100

55 0.0 72.2 108.4#

98 0.0 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

5000

4000

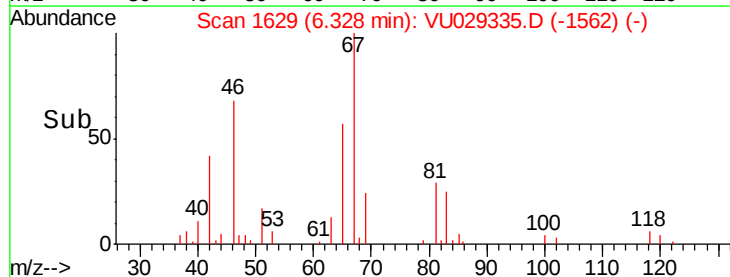
3000

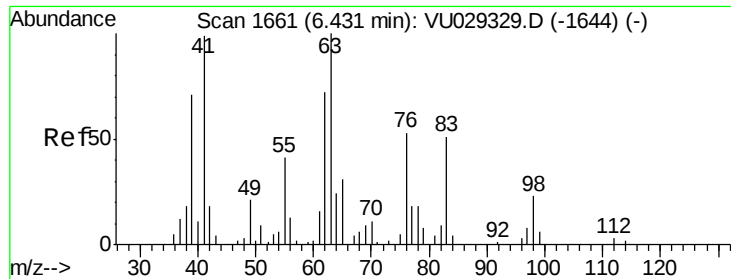
2000

1000

0

Time-->

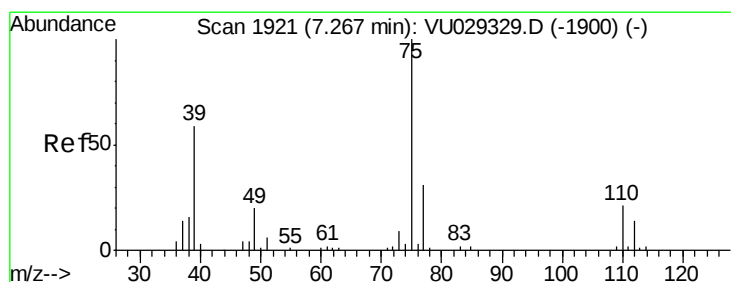
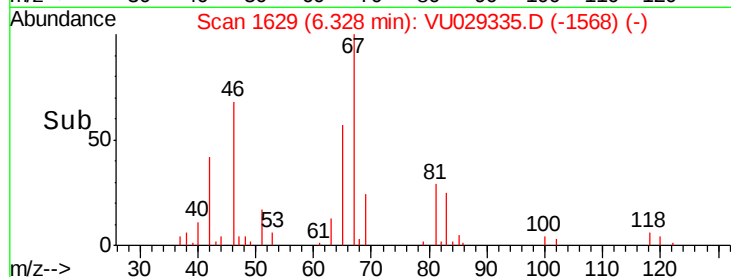
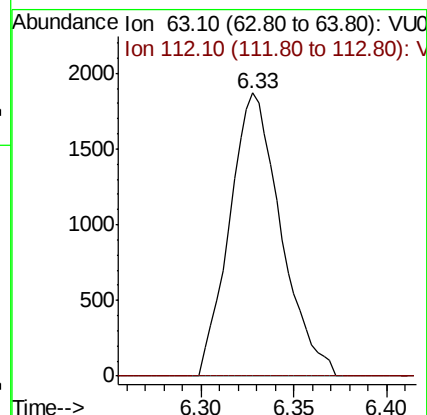
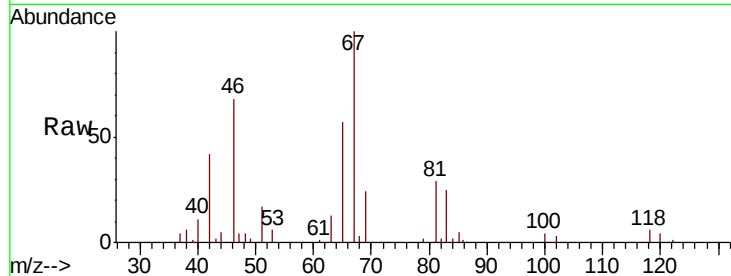




#37
 1,2-Dichloropropane
 Concen: 0.660 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029335.D
 Acq: 01 Feb 2019 16:44

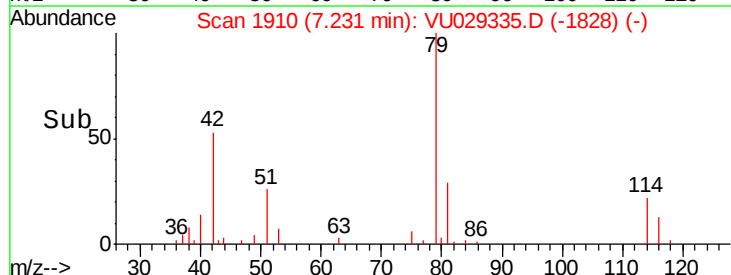
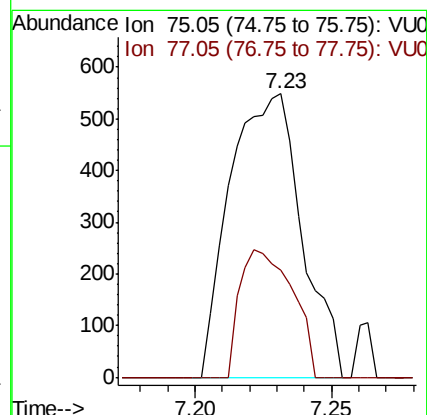
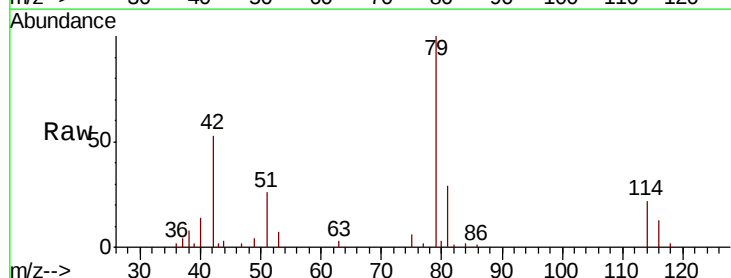
Instrument :
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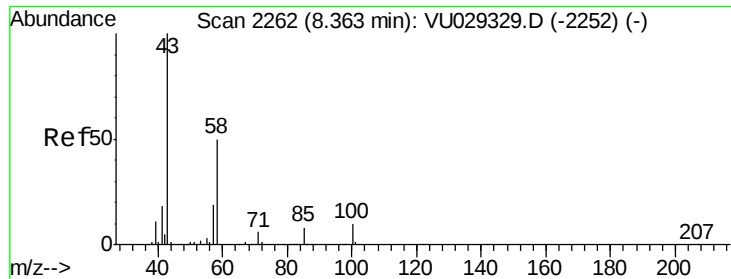
Tgt Ion: 63 Resp: 3592
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.04 min
 Lab File: VU029335.D
 Acq: 01 Feb 2019 16:44

Tgt Ion: 75 Resp: 1000
 Ion Ratio Lower Upper
 75 100
 77 37.8 22.0 40.8

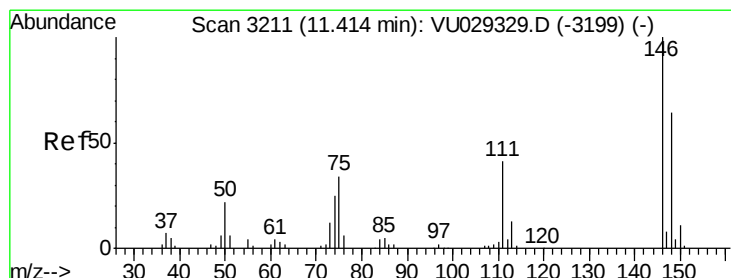
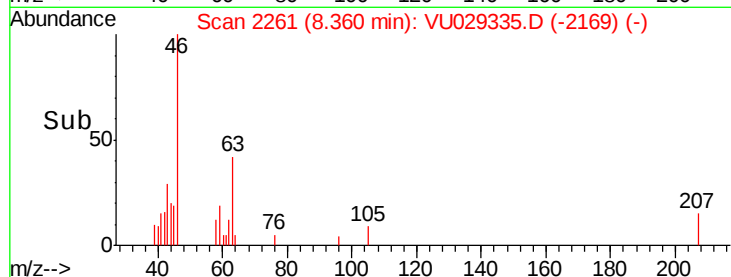
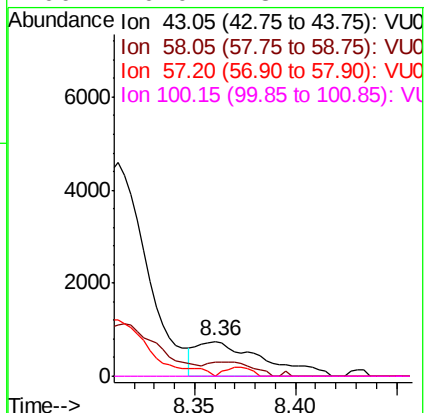
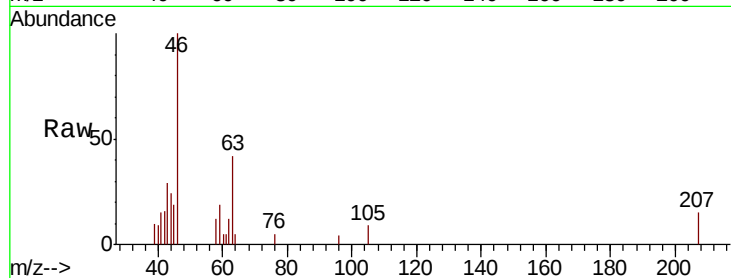




#48
2-Hexanone
Concen: 0.603 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU029335.D
Acq: 01 Feb 2019 16:44

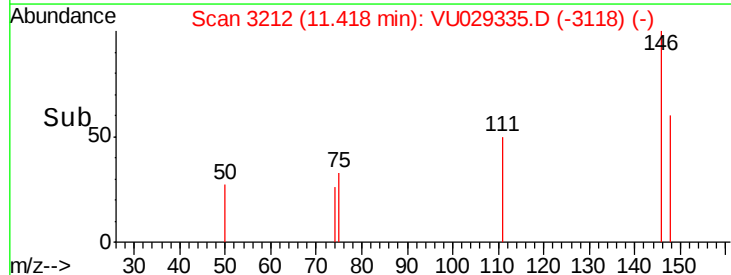
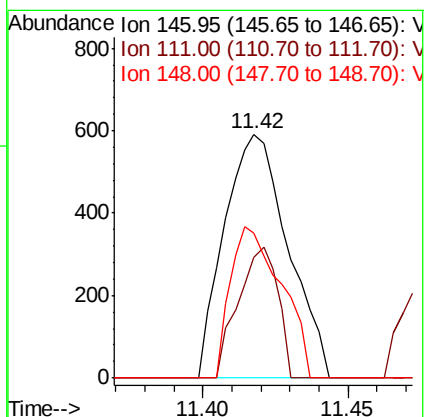
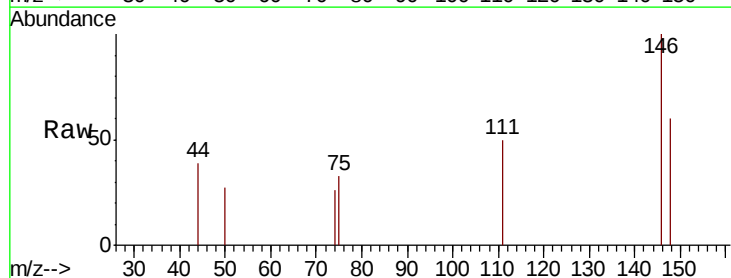
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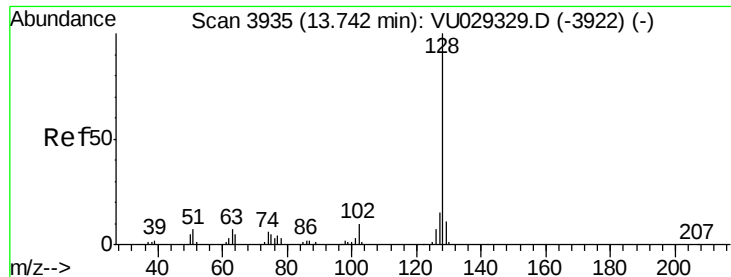
Tgt Ion: 43 Resp: 1701
Ion Ratio Lower Upper
43 100
58 27.5 39.4 59.0#
57 10.5 15.1 22.7#
100 0.0 8.2 12.4#



#62
1,3-Dichlorobenzene
Concen: 0.088 ug/L
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029335.D
Acq: 01 Feb 2019 16:44

Tgt Ion: 146 Resp: 898
Ion Ratio Lower Upper
146 100
111 49.7 28.8 53.6
148 59.6 44.7 83.1





#69

Naphthalene

Concen: 0.313 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

BEJG7

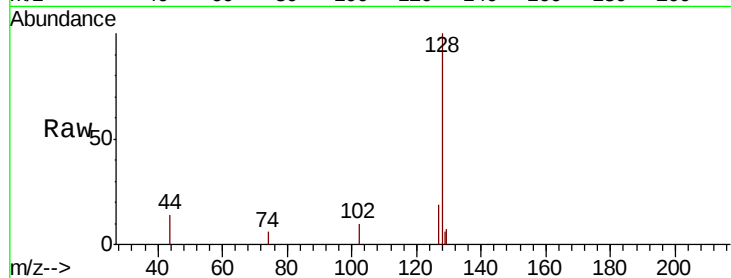
Tgt Ion:128 Resp: 3718

Ion Ratio Lower Upper

128 100

129 8.3 8.9 13.3#

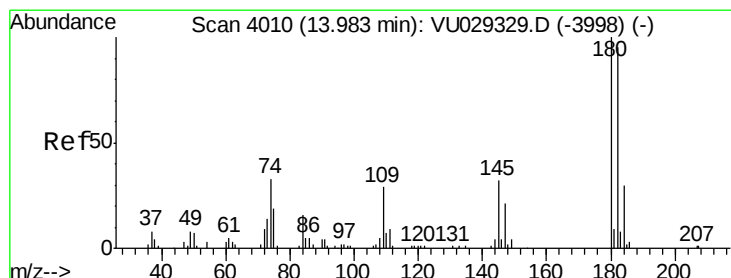
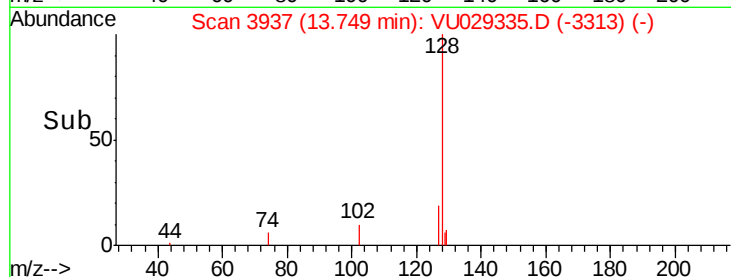
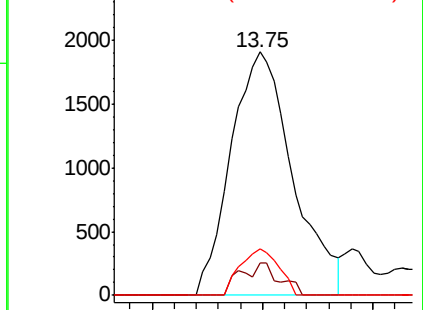
127 11.9 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.619 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU029335.D

Acq: 01 Feb 2019 16:44

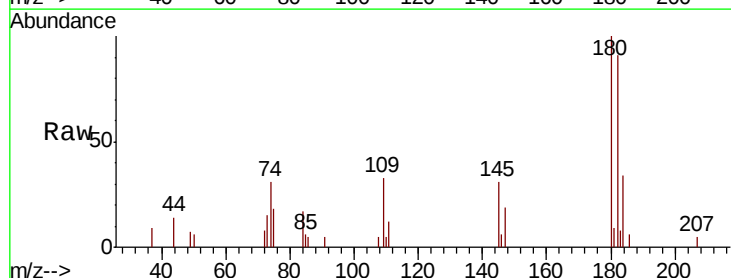
Tgt Ion:180 Resp: 4461

Ion Ratio Lower Upper

180 100

182 91.3 76.1 114.1

145 27.4 25.1 37.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

