

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029040.D
 Acq On : 04 Jan 2019 20:19
 Operator : MD/SY
 Sample : K1053-04 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2-DRUM

Quant Time: Jan 05 03:49:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	193840	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	179506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	75297	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
35) Dibromofluoromethane	4.88	113	65892	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
50) Toluene-d8	7.56	98	242249	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	10.30	95	77060	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	

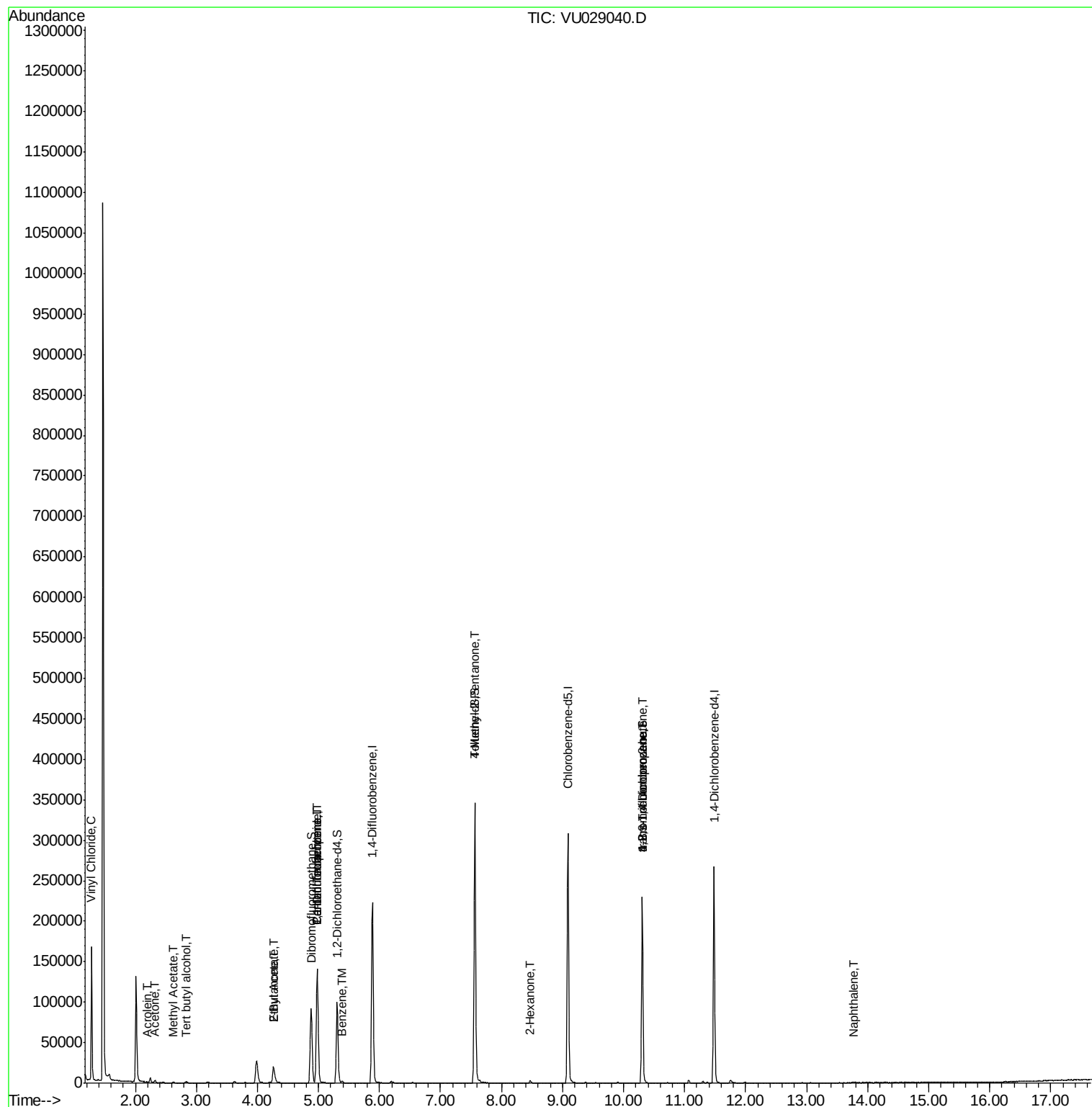
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	918	Below Cal		98
4) Vinyl Chloride	1.28	62	1282	0.766 ug/l #		42
5) Bromomethane	1.62	94	73	Below Cal		98
11) Tert butyl alcohol	2.84	59	1440	4.003 ug/l #		73
13) Acrolein	2.20	56	156	0.578 ug/l		86
16) Acetone	2.32	43	3559	3.992 ug/l		90
18) Methyl Acetate	2.62	43	1779	0.858 ug/l #		83
25) 2-Butanone	4.26	43	34432	28.594 ug/l		94
31) Cyclohexane	4.98	56	2205	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	8549	4.412 ug/l #		46
37) Ethyl Acetate	4.26	43	34432	16.190 ug/l #		66
38) Carbon Tetrachloride	4.98	117	9978	6.175 ug/l #		17
40) Benzene	5.39	78	2584	0.428 ug/l		100
51) 4-Methyl-2-Pentanone	7.56	43	997	0.449 ug/l #		1
59) 2-Hexanone	8.48	43	635	0.364 ug/l #		21
76) 1,2,3-Trichloropropane	10.30	75	37084	20.486 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.30	75	37084	52.834 ug/l #		100
95) Naphthalene	13.76	128	1344	0.235 ug/l #		70

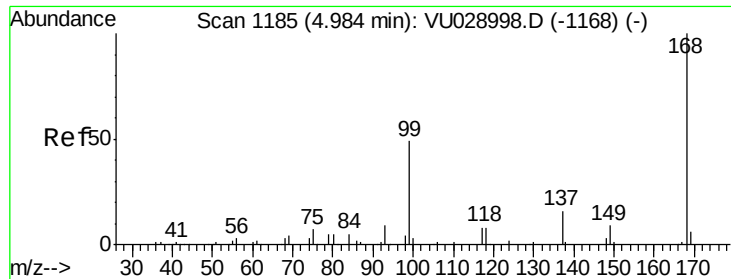
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

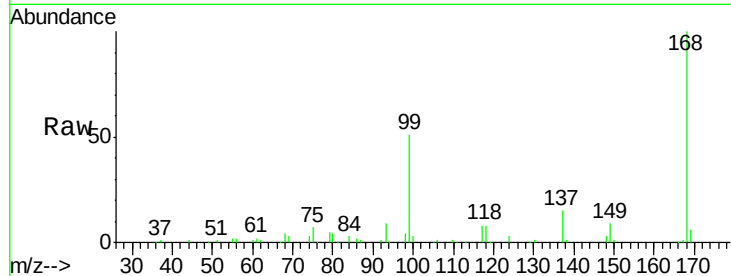
COMP-2-DRUM

Tot Ion:168 Resp: 114484

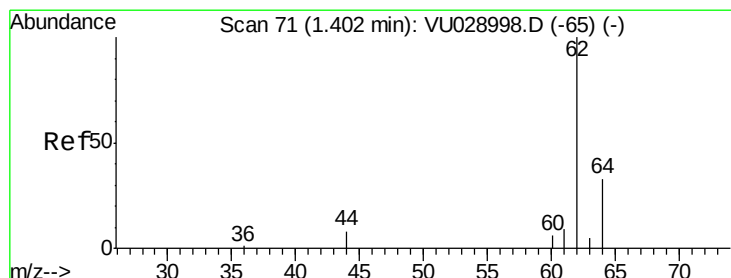
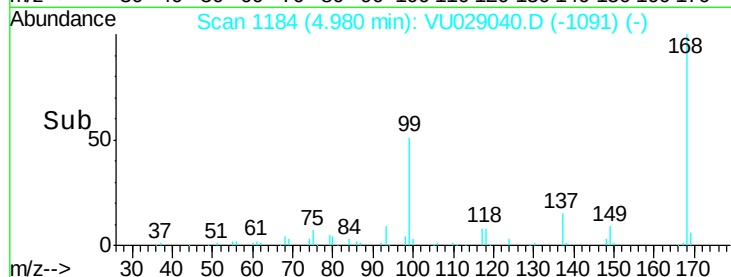
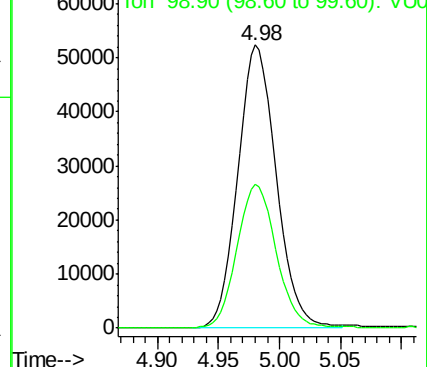
Ion Ratio Lower Upper

168 100

99 50.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)



#4

Vinyl Chloride

Concen: 0.766 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU029040.D

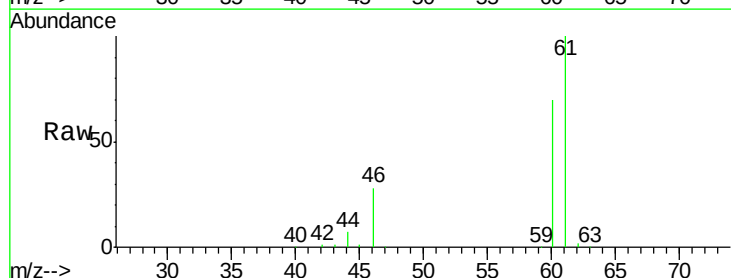
Acq: 04 Jan 2019 20:19

Tgt Ion: 62 Resp: 1282

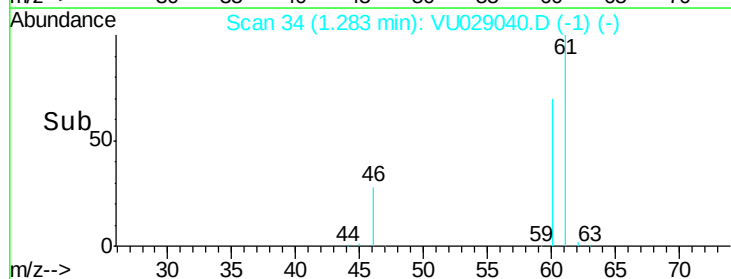
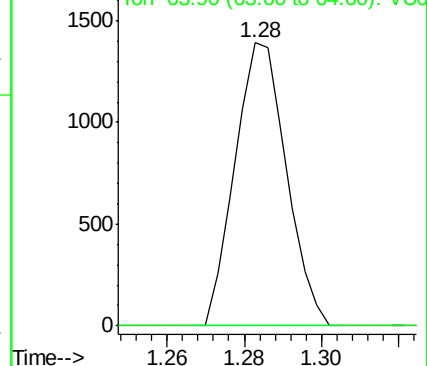
Ion Ratio Lower Upper

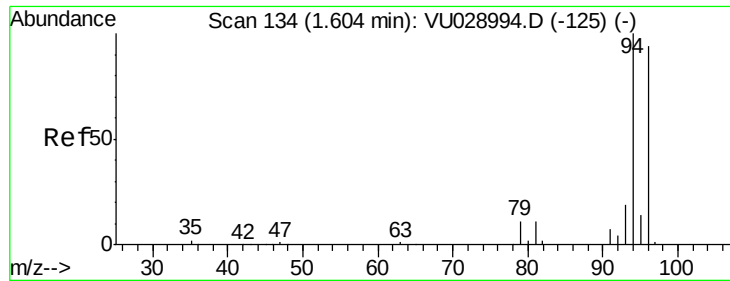
62 100

64 0.0 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VU028998.D (-65) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

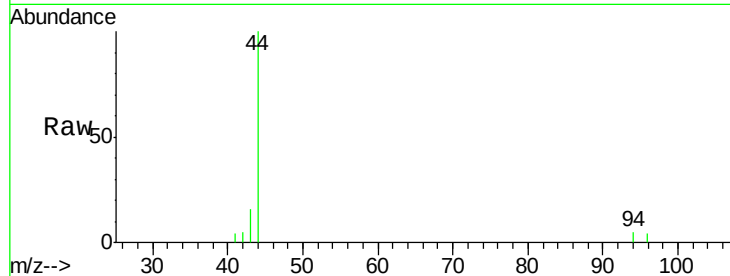
COMP-2-DRUM

Tot Ion: 94 Resp: 73

Ion Ratio Lower Upper

94 100

96 92.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

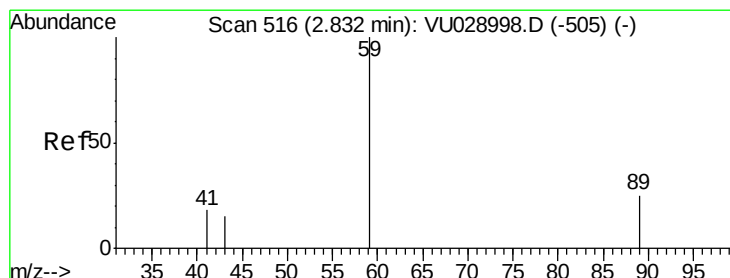
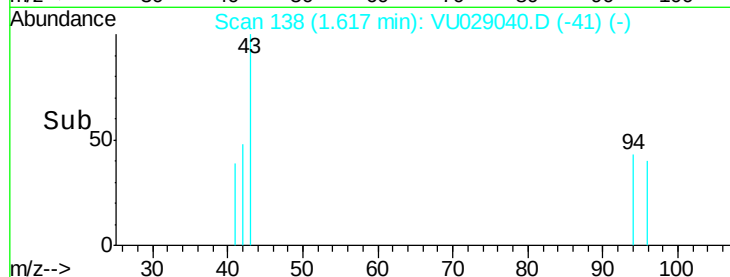
150

100

50

0

Time--> 1.60 1.61 1.62 1.63



#11

Tert butyl alcohol

Concen: 4.003 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.00 min

Lab File: VU029040.D

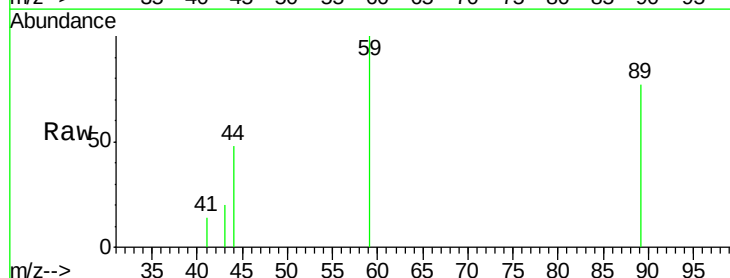
Acq: 04 Jan 2019 20:19

Tgt Ion: 59 Resp: 1440

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

800

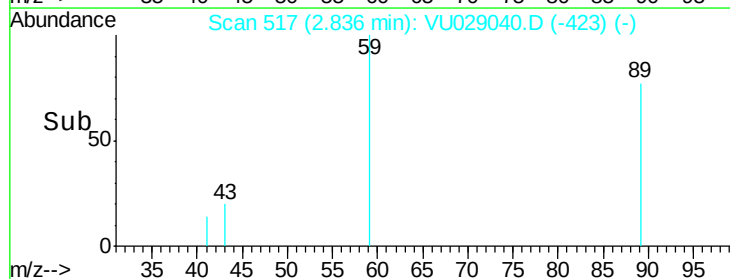
600

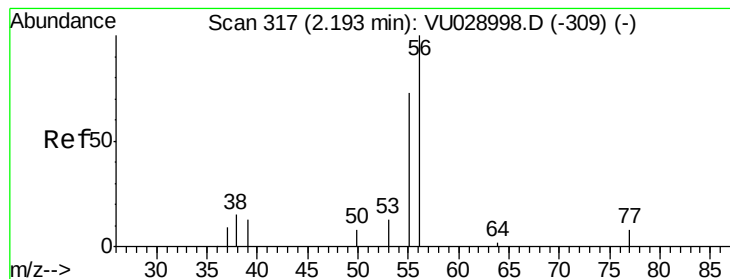
400

200

0

Time--> 2.80 2.85





#13

Acrolein

Concen: 0.578 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.01 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

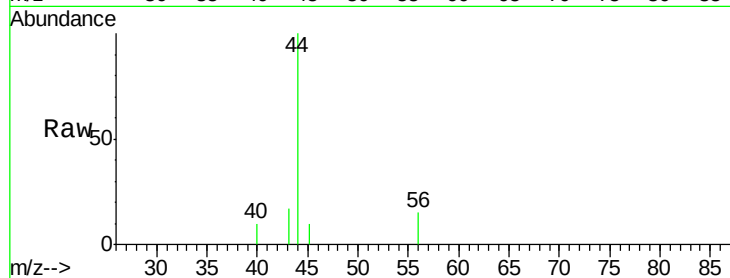
COMP-2-DRUM

Tot Ion: 56 Resp: 156

Ion Ratio Lower Upper

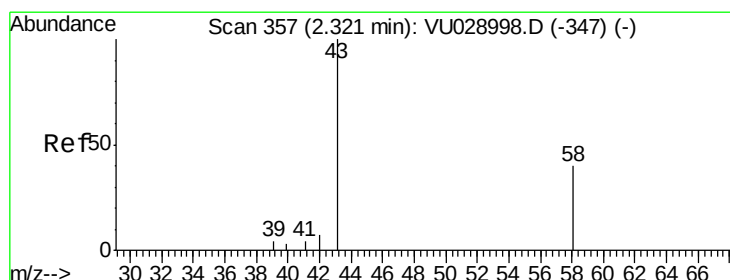
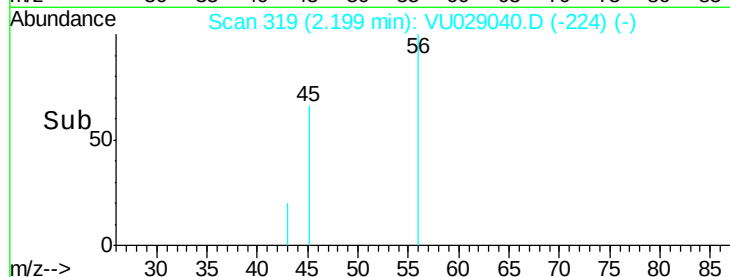
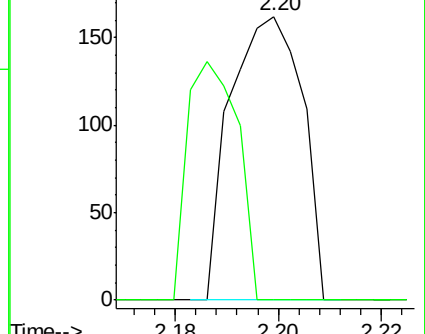
56 100

55 59.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 3.992 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU029040.D

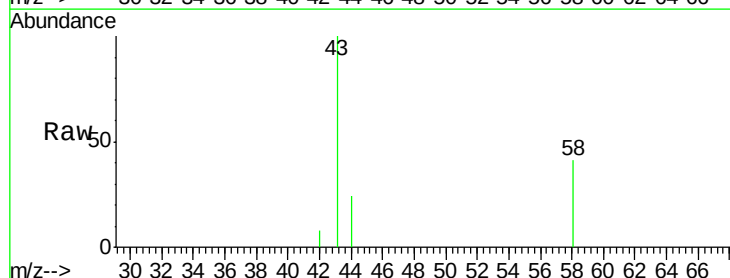
Acq: 04 Jan 2019 20:19

Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

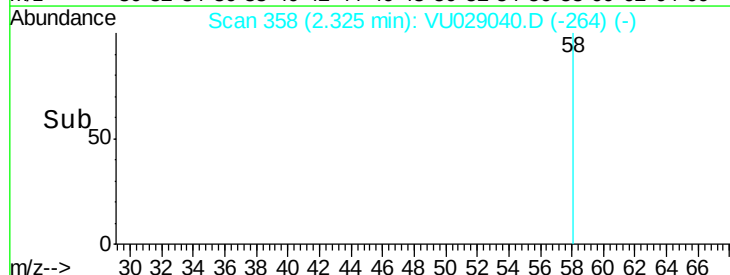
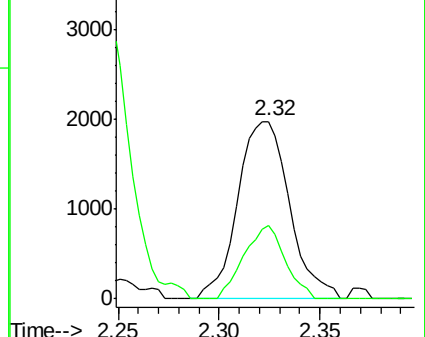
43 100

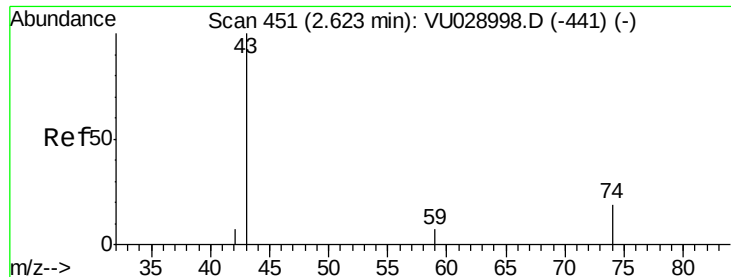
58 41.4 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

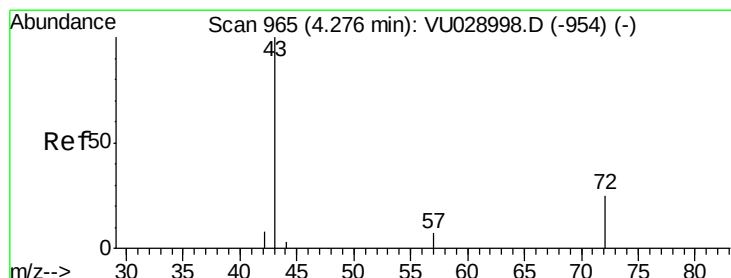
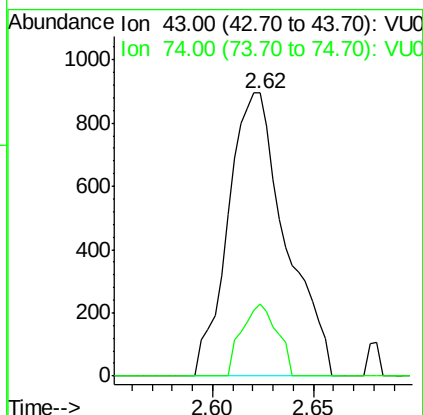
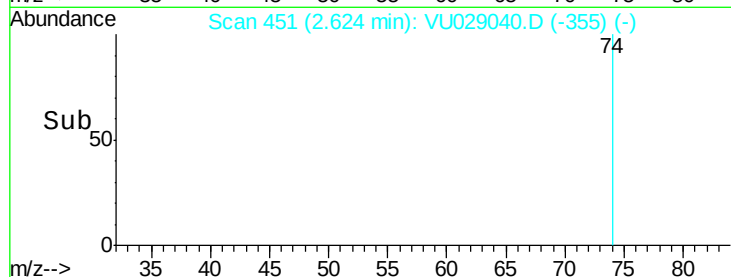
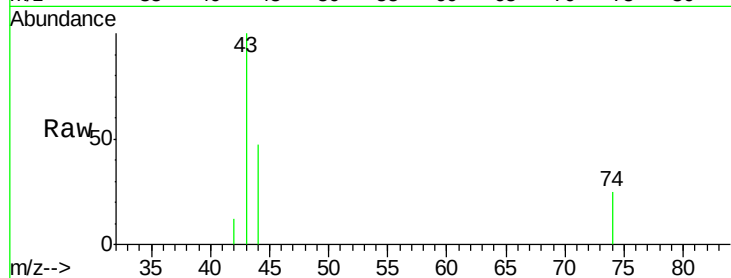




#18
Methvl Acetate
Concen: 0.858 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU029040.D
Acq: 04 Jan 2019 20:19

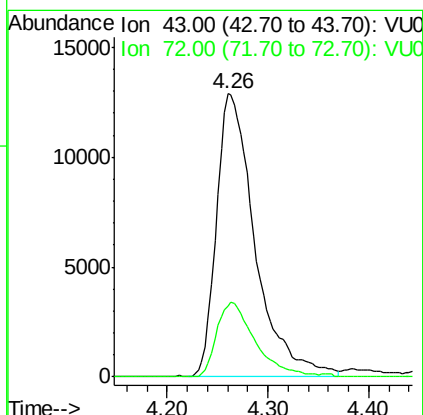
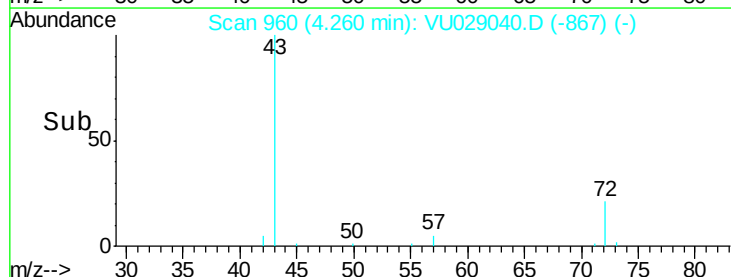
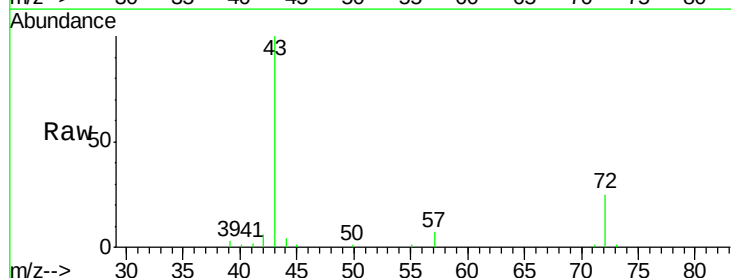
Instrument :
MSVOA_U
ClientSampleId :
COMP-2-DRUM

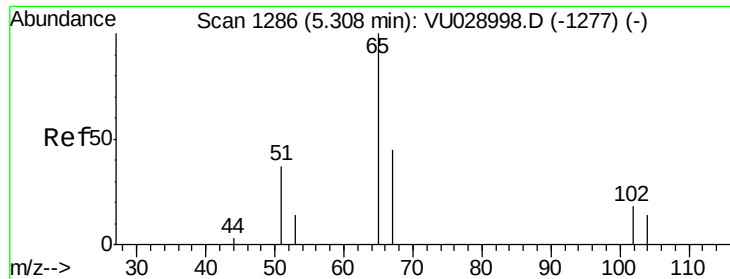
Tot Ion: 43 Resp: 1779
Ion Ratio Lower Upper
43 100
74 15.8 19.5 29.3#



#25
2-Butanone
Concen: 28.594 ug/l
RT: 4.26 min Scan# 960
Delta R.T. 0.00 min
Lab File: VU029040.D
Acq: 04 Jan 2019 20:19

Tgt Ion: 43 Resp: 34432
Ion Ratio Lower Upper
43 100
72 25.2 22.6 33.8

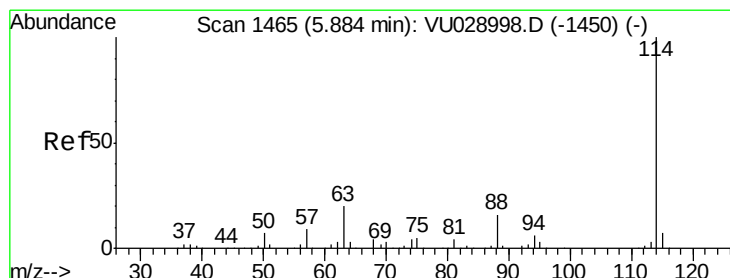
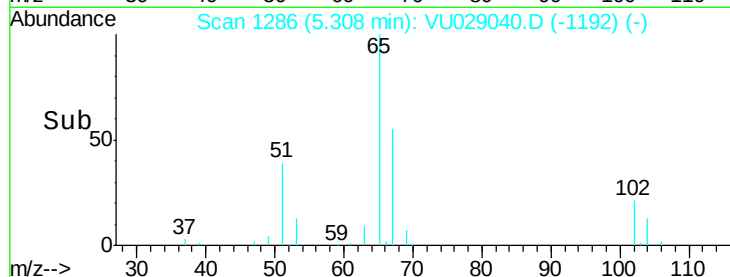
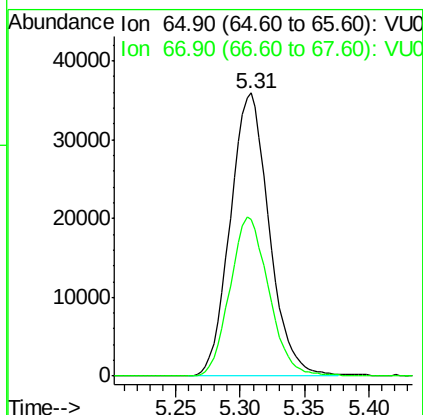
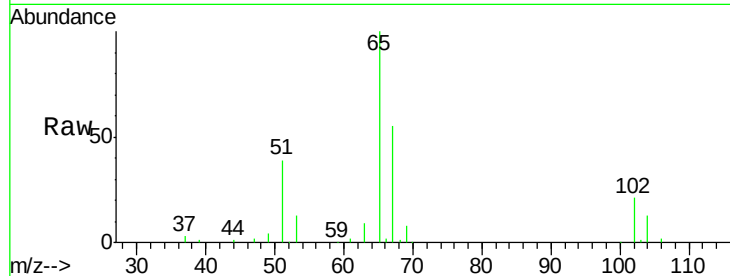




#33
 1,2-Dichloroethane-d4
 Concen: 53.204 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029040.D
 Acq: 04 Jan 2019 20:19

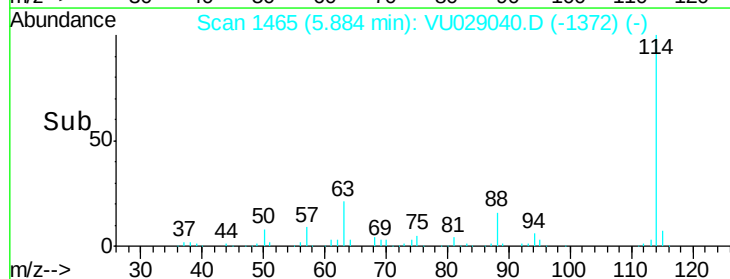
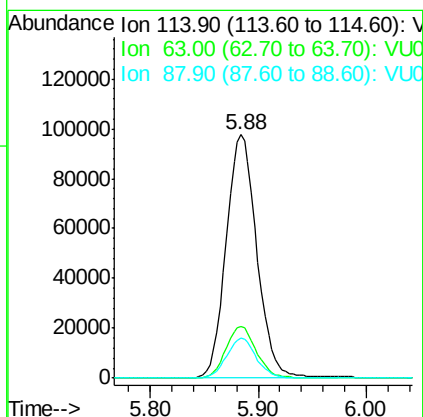
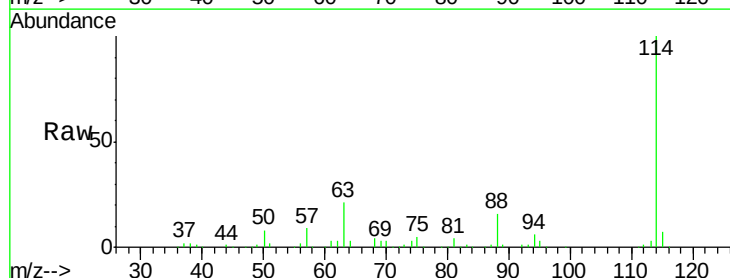
Instrument :
 MSVOA_U
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 COMP-2-DRUM

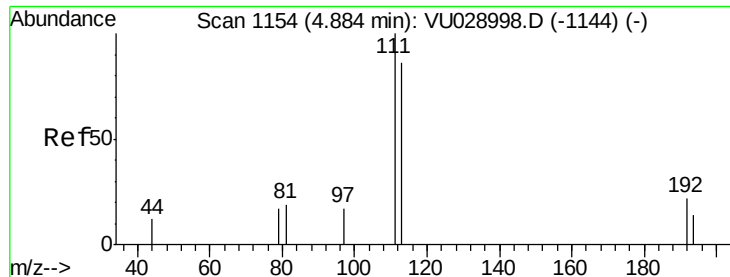
Tot Ion: 65 Resp: 75297
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029040.D
 Acq: 04 Jan 2019 20:19

Tgt Ion: 114 Resp: 193840
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.2
 88 16.2 0.0 30.4

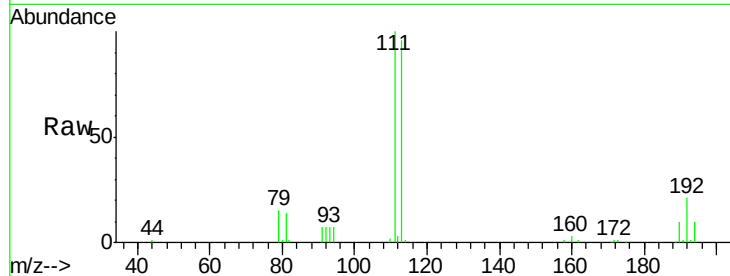




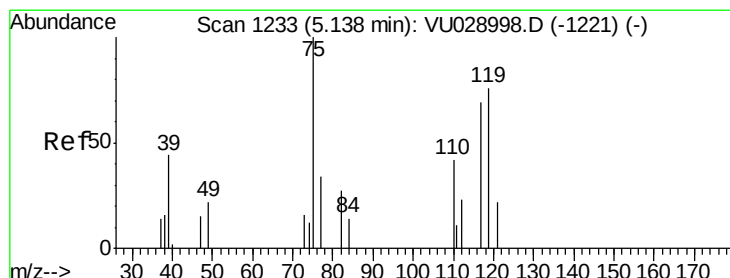
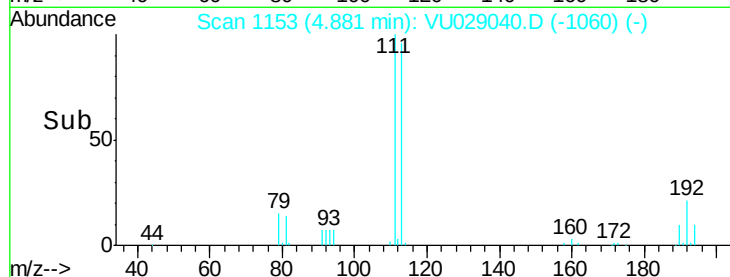
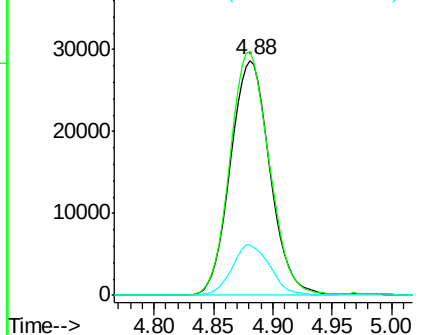
#35
 Dibromofluoromethane
 Concen: 52.440 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029040.D
 Acq: 04 Jan 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-2-DRUM

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	20.8	16.8	25.2

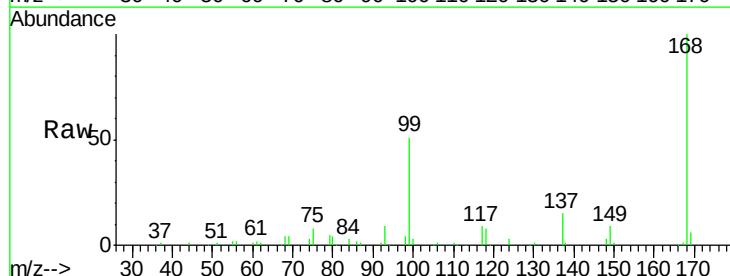


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

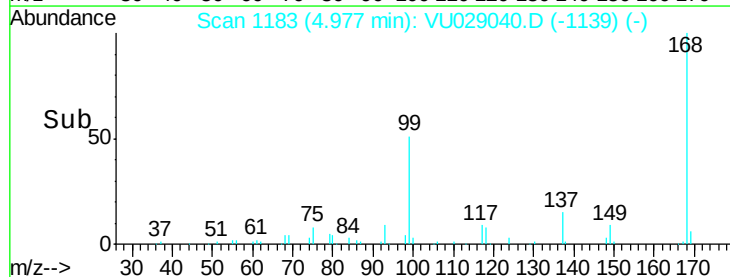
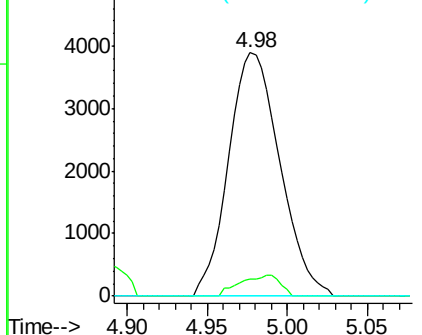


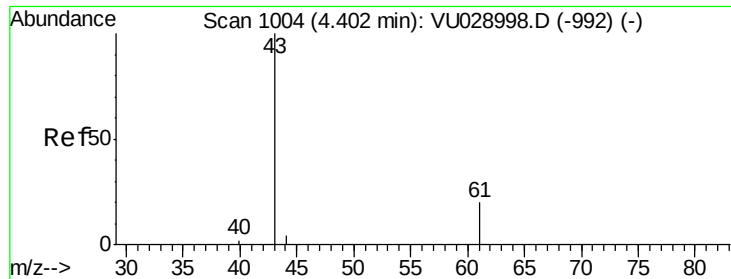
#36
 1,1-Dichloropropene
 Concen: 4.412 ug/l
 RT: 4.98 min Scan# 1183
 Delta R.T. -0.16 min
 Lab File: VU029040.D
 Acq: 04 Jan 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	18.4	55.4#
77	0.0	25.1	37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

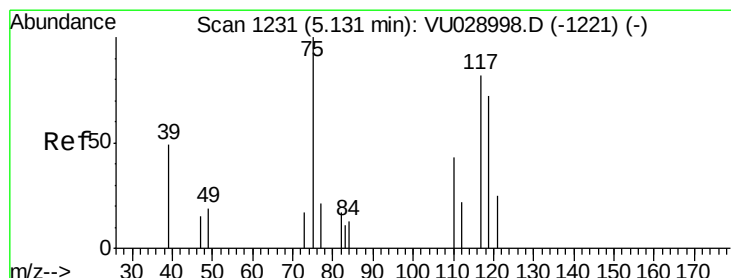
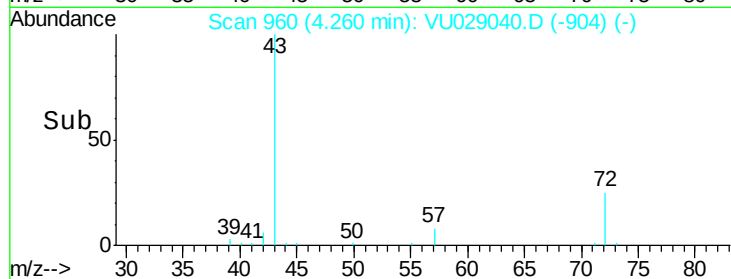
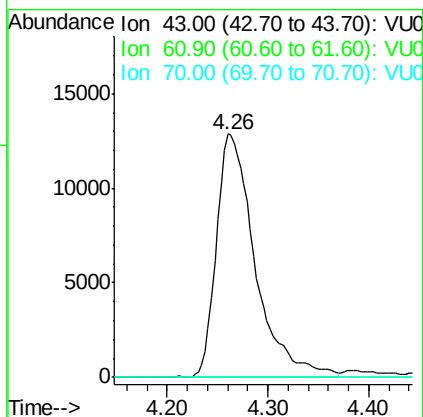
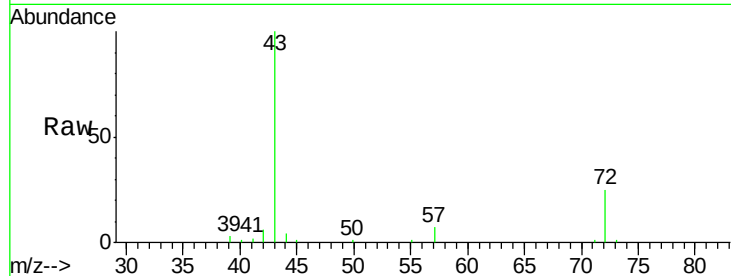




#37
Ethyl Acetate
Concen: 16.190 ug/l
RT: 4.26 min Scan# 960
Delta R.T. -0.12 min
Lab File: VU029040.D
Acq: 04 Jan 2019 20:19

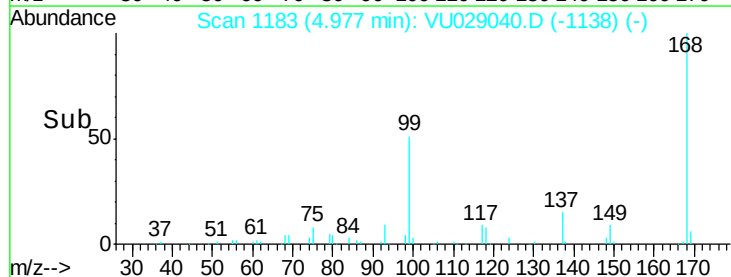
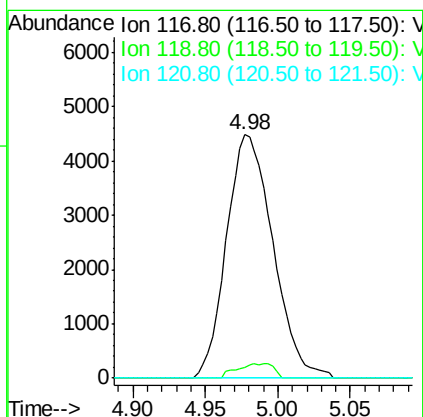
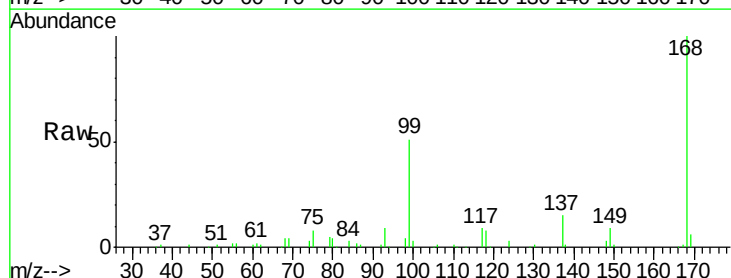
Instrument :
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COMP-2-DRUM

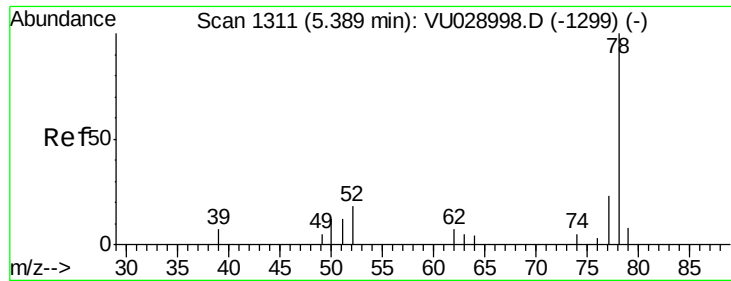
Tot Ion: 43 Resp: 34432
Ion Ratio Lower Upper
43 100
61 0.0 12.6 18.8#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 4.98 min Scan# 1183
Delta R.T. -0.15 min
Lab File: VU029040.D
Acq: 04 Jan 2019 20:19

Tgt Ion: 117 Resp: 9978
Ion Ratio Lower Upper
117 100
119 4.6 74.6 111.8#
121 0.0 25.0 37.6#





#40

Benzene

Concen: 0.428 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

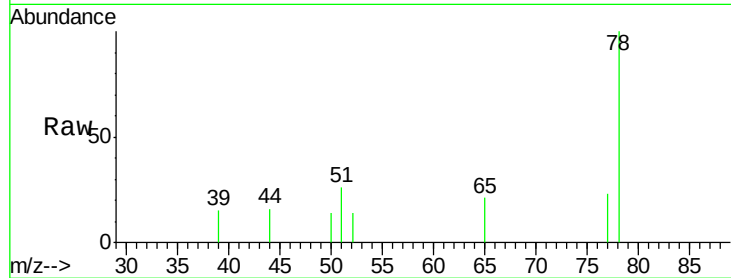
COMP-2-DRUM

Tot Ion: 78 Resp: 2584

Ion Ratio Lower Upper

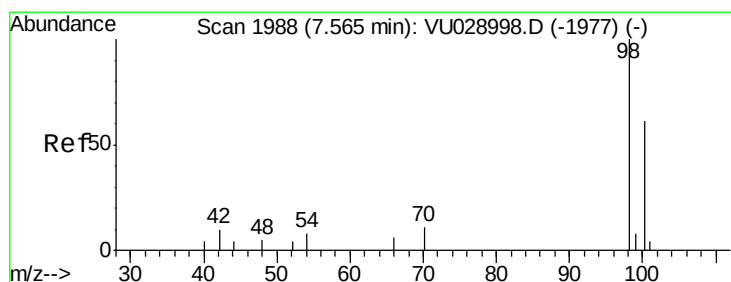
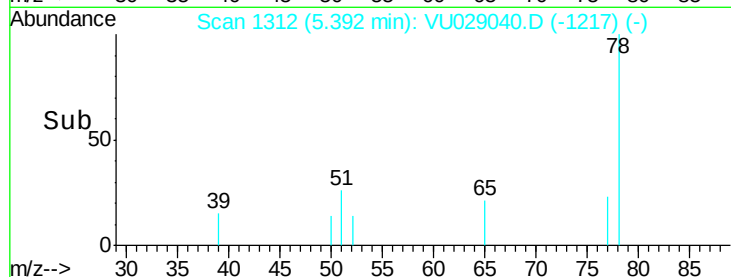
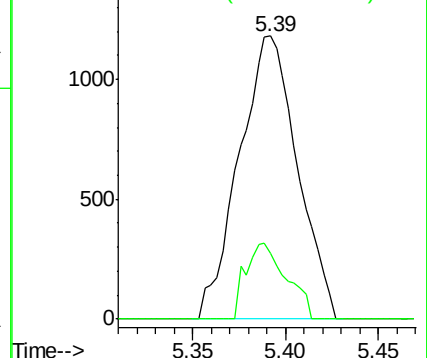
78 100

77 23.5 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 48.834 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029040.D

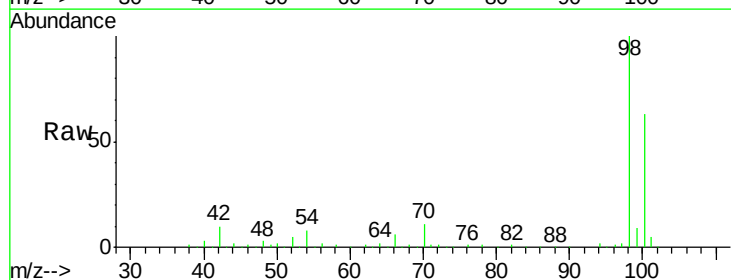
Acq: 04 Jan 2019 20:19

Tgt Ion: 98 Resp: 242249

Ion Ratio Lower Upper

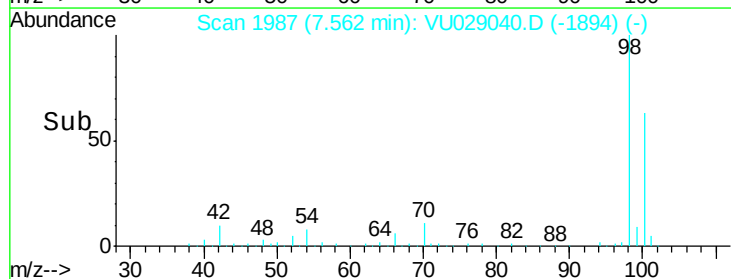
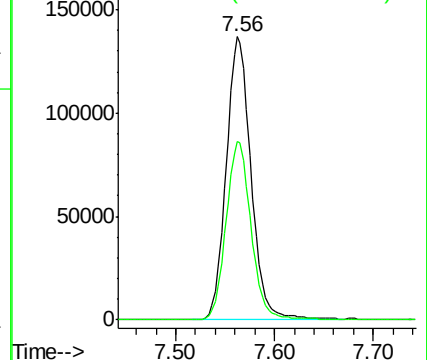
98 100

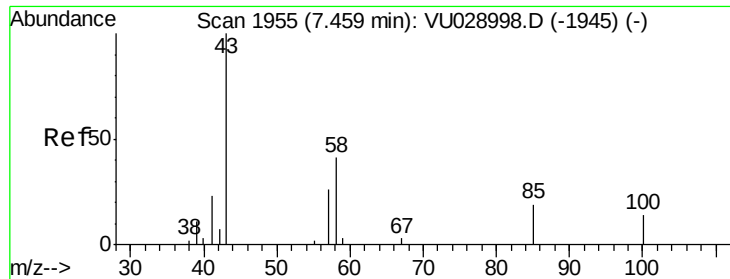
100 63.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.449 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

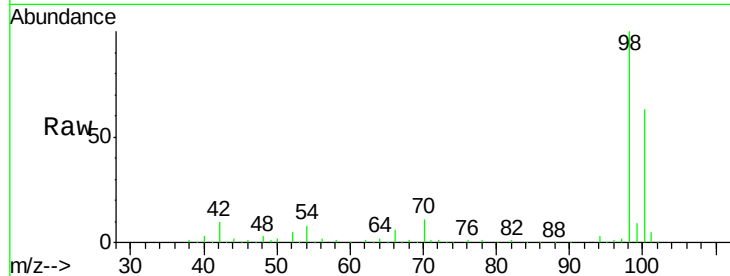
COMP-2-DRUM

Tot Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 197.6 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

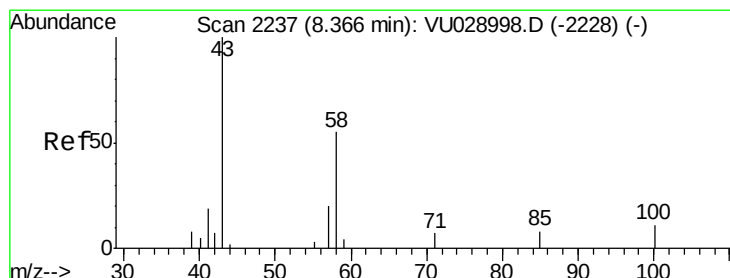
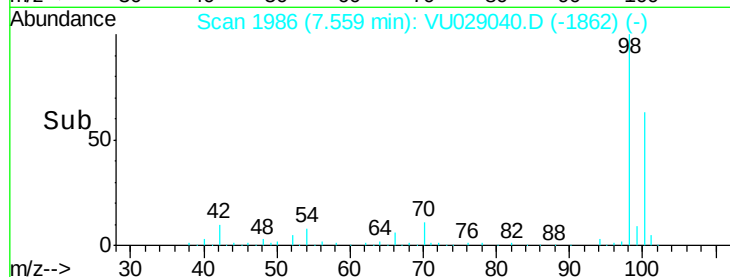
Ion 58.00 (57.70 to 58.70): VU0

1000

500

7.56

Time-->



#59

2-Hexanone

Concen: 0.364 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. 0.12 min

Lab File: VU029040.D

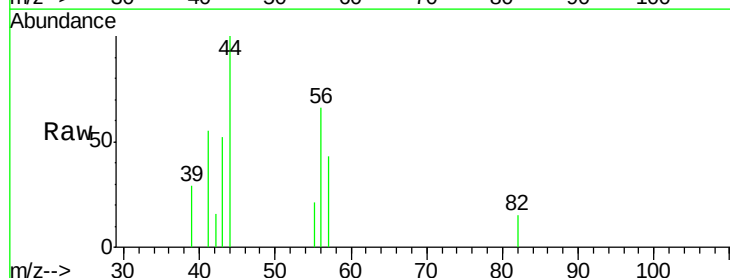
Acq: 04 Jan 2019 20:19

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

43 100

58 0.0 29.8 89.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

400

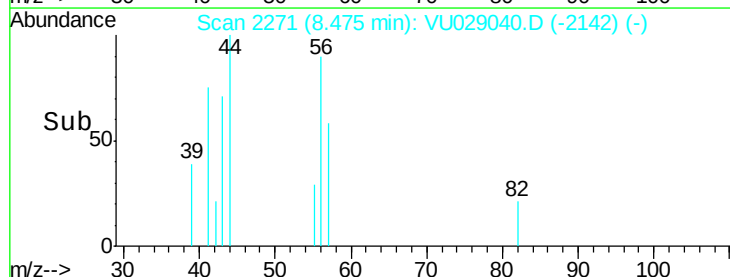
300

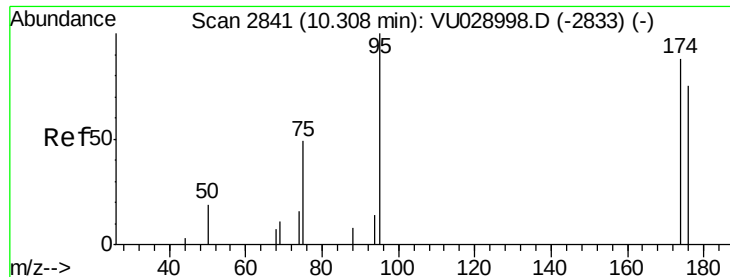
200

100

8.48

Time-->





#62

4-Bromofluorobenzene

Concen: 43.225 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

COMP-2-DRUM

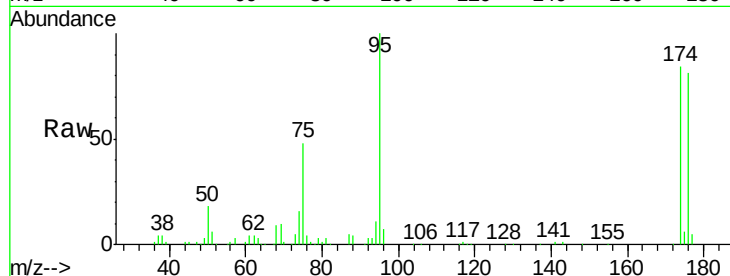
Tot Ion: 95 Resp: 77060

Ion Ratio Lower Upper

95 100

174 86.6 0.0 170.6

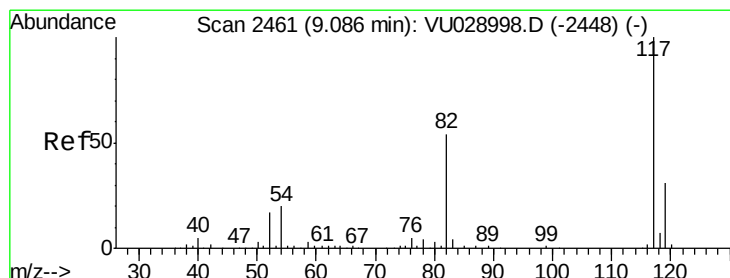
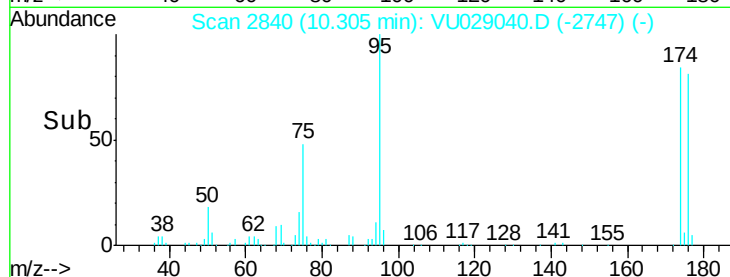
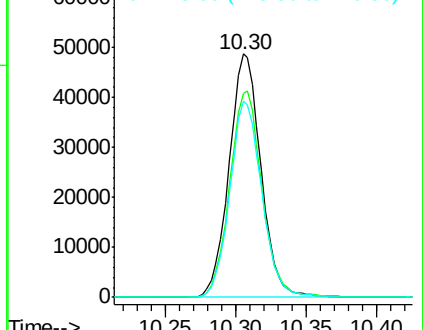
176 81.3 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

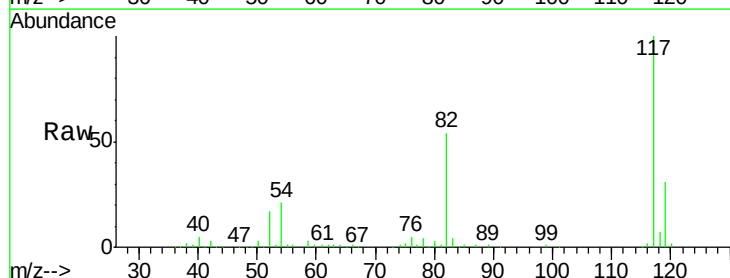
Tgt Ion: 117 Resp: 179506

Ion Ratio Lower Upper

117 100

82 53.6 43.9 65.9

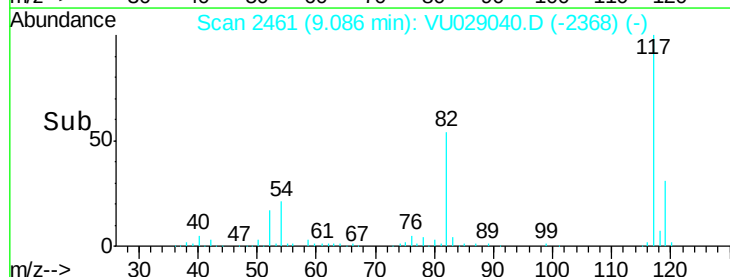
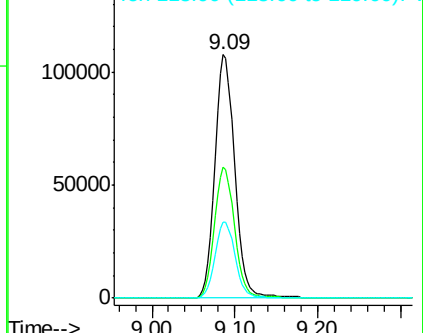
119 31.4 26.0 39.0

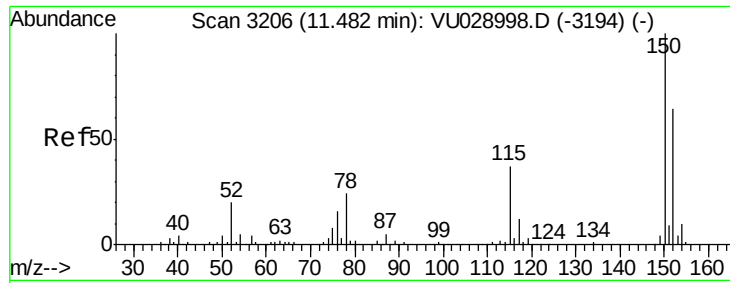


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

COMP-2-DRUM

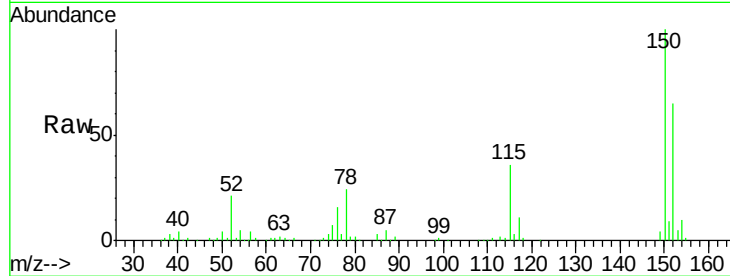
Tot Ion:152 Resp: 73882

Ion Ratio Lower Upper

152 100

115 56.6 40.1 120.3

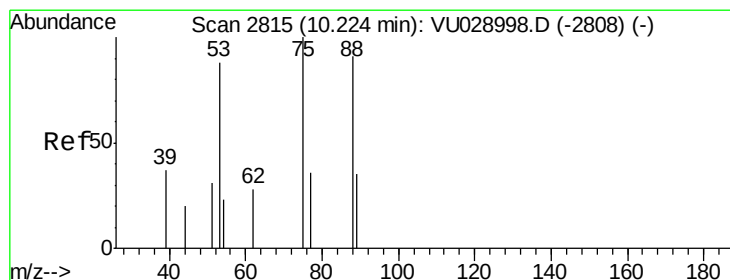
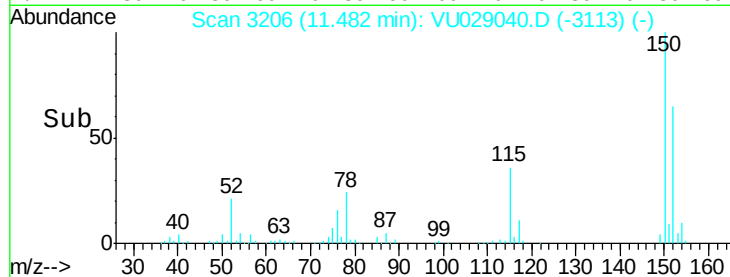
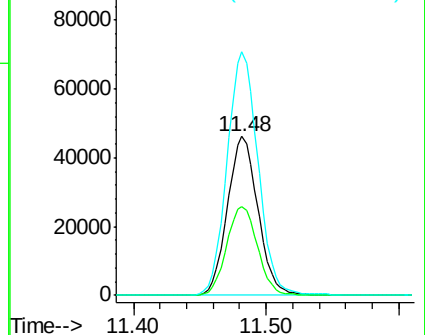
150 155.4 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.486 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029040.D

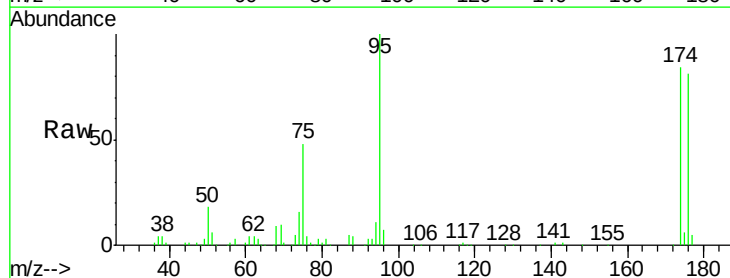
Acq: 04 Jan 2019 20:19

Tgt Ion: 75 Resp: 37084

Ion Ratio Lower Upper

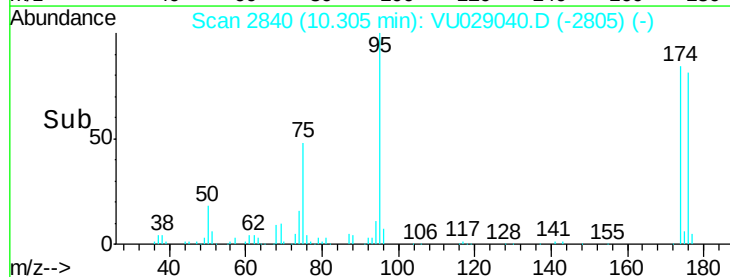
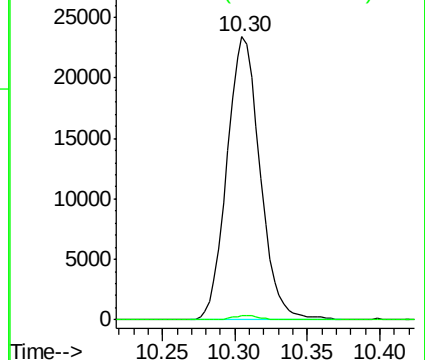
75 100

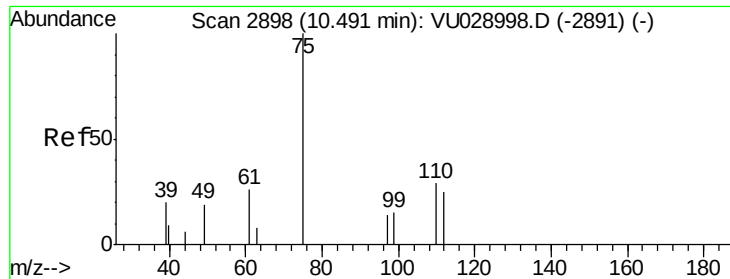
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.834 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

COMP-2-DRUM

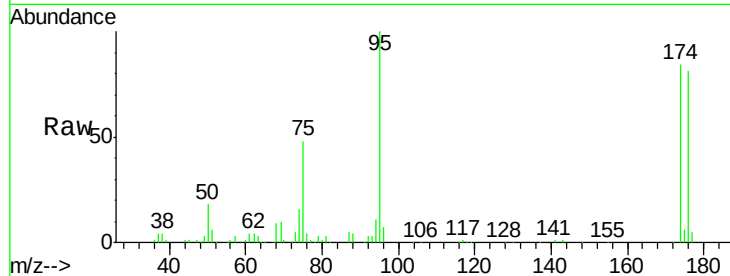
Tot Ion: 75 Resp: 37084

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

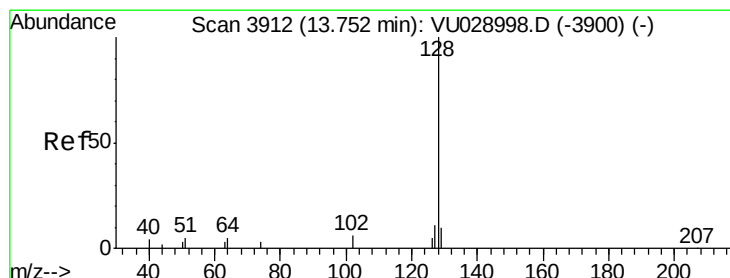
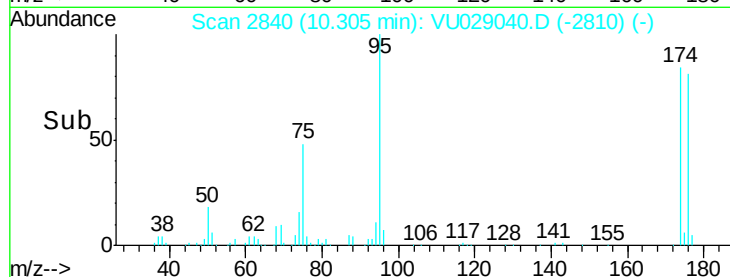
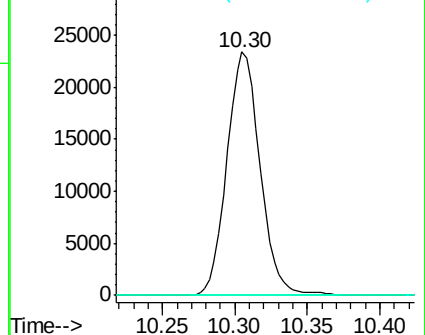
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2891) (-)

Ion 53.00 (52.70 to 53.70): VU028998.D (-2891) (-)

Ion 88.90 (88.60 to 89.60): VU028998.D (-2891) (-)



#95

Naphthalene

Concen: 0.235 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU029040.D

Acq: 04 Jan 2019 20:19

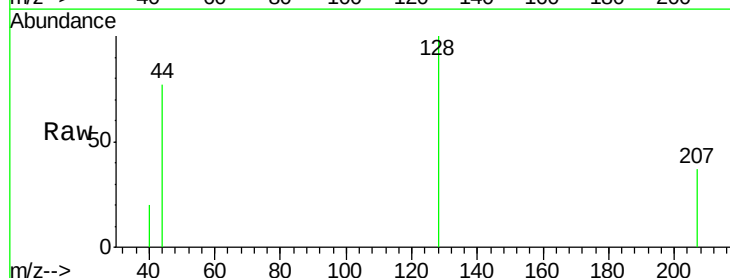
Tgt Ion: 128 Resp: 1344

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VU028998.D (-3900) (-)

Ion 127.00 (126.70 to 127.70): VU028998.D (-3900) (-)

Ion 129.00 (128.70 to 129.70): VU028998.D (-3900) (-)

