

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029041.D
 Acq On : 04 Jan 2019 20:43
 Operator : MD/SY
 Sample : K1053-07 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3-DRUM

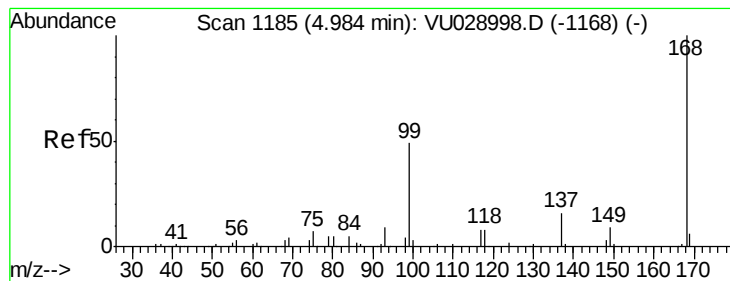
Quant Time: Jan 05 03:49:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	192419	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	173947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68889	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	74292	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
35) Dibromofluoromethane	4.88	113	65303	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	7.56	98	238758	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
62) 4-Bromofluorobenzene	10.30	95	74396	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	843	Below Cal		92
4) Vinyl Chloride	1.28	62	1785	1.099 ug/l #		42
5) Bromomethane	1.61	94	62	Below Cal		95
11) Tert butyl alcohol	2.84	59	1068	3.060 ug/l #		73
13) Acrolein	2.20	56	65	0.248 ug/l #		14
16) Acetone	2.32	43	2593	2.997 ug/l		94
18) Methyl Acetate	2.63	43	746	0.371 ug/l #		51
25) 2-Butanone	4.27	43	23472	20.088 ug/l		93
31) Cyclohexane	4.98	56	1973	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	8232	4.280 ug/l #		47
37) Ethyl Acetate	4.27	43	23472	11.118 ug/l #		66
38) Carbon Tetrachloride	4.98	117	9553	5.955 ug/l #		17
41) Methacrylonitrile	4.26	41	247	0.219 ug/l #		24
51) 4-Methyl-2-Pentanone	7.56	43	836	0.379 ug/l #		1
76) 1,2,3-Trichloropropane	10.30	75	35397	20.971 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.30	75	35397	54.086 ug/l #		100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

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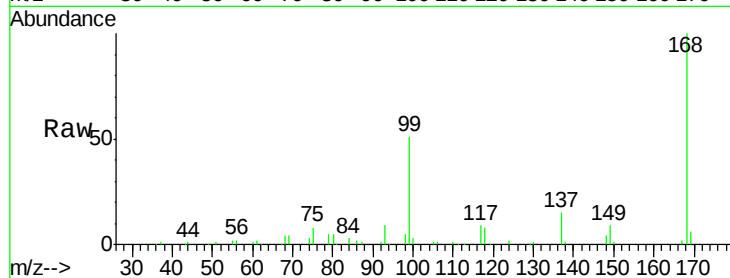
COMP-3-DRUM

Tot Ion:168 Resp: 111091

Ion Ratio Lower Upper

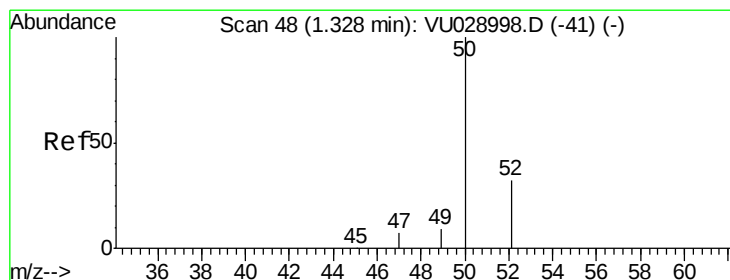
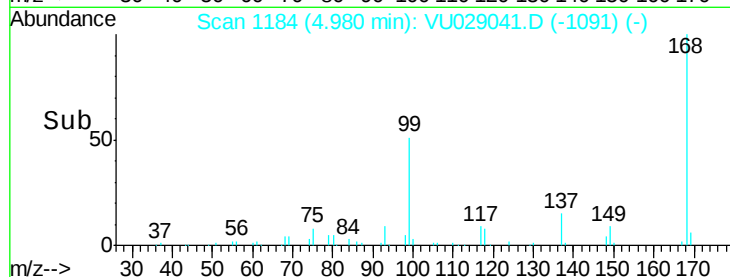
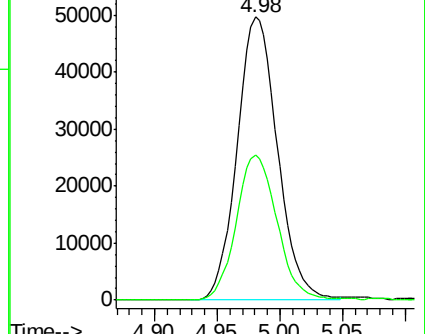
168 100

99 51.1 42.0 63.0



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

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029041.D

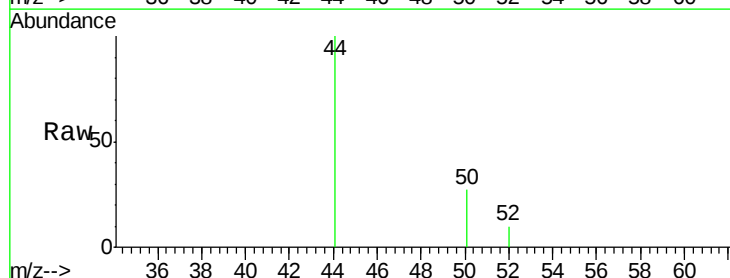
Acq: 04 Jan 2019 20:43

Tgt Ion: 50 Resp: 843

Ion Ratio Lower Upper

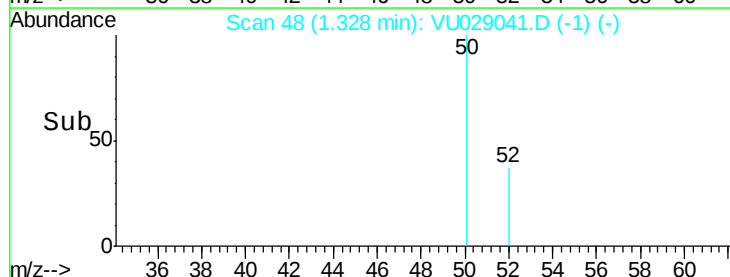
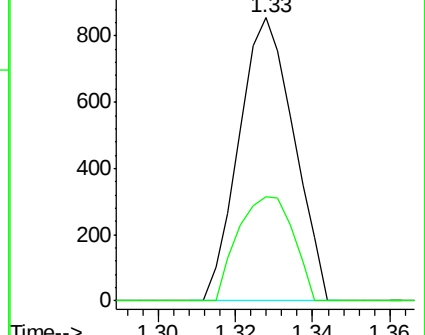
50 100

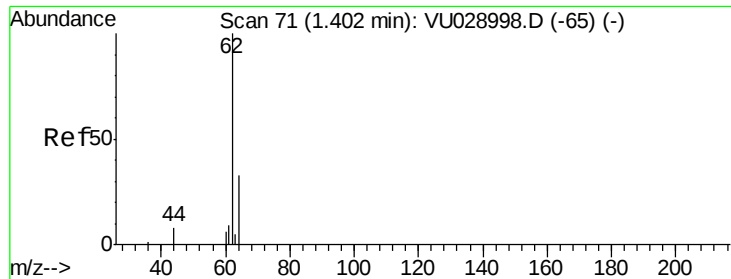
52 36.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)





#4

Vinyl Chloride

Concen: 1.099 ug/l

RT: 1.28 min Scan# 34

Delta R.T. -0.12 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

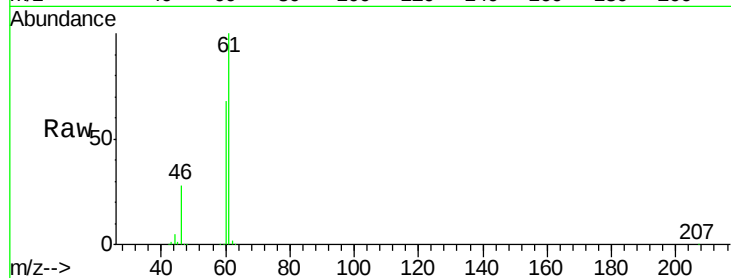
COMP-3-DRUM

Tot Ion: 62 Resp: 1785

Ion Ratio Lower Upper

62 100

64 0.0 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.28

2000

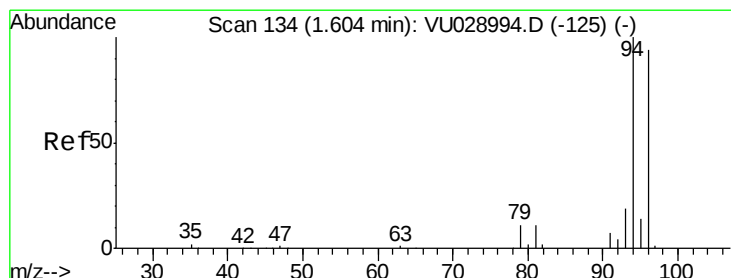
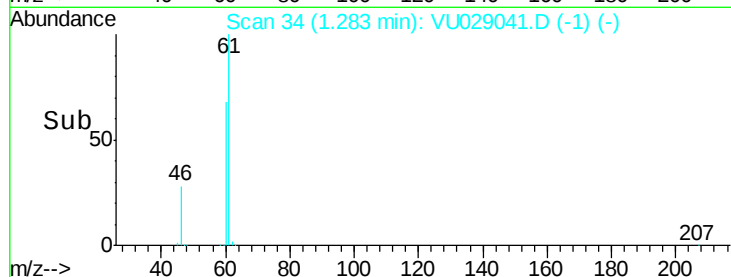
1500

1000

500

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU029041.D

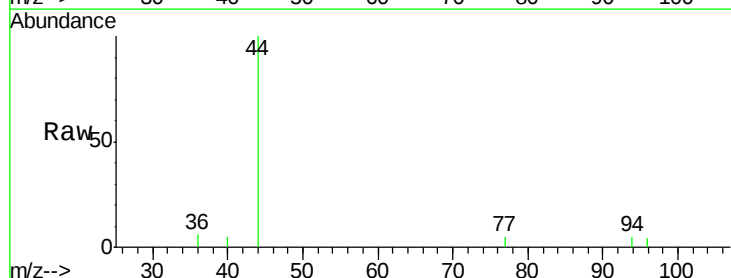
Acq: 04 Jan 2019 20:43

Tgt Ion: 94 Resp: 62

Ion Ratio Lower Upper

94 100

96 89.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

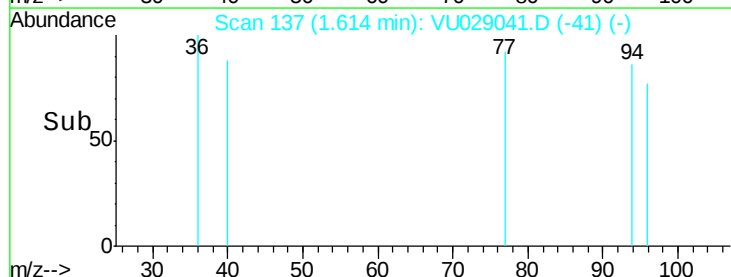
150

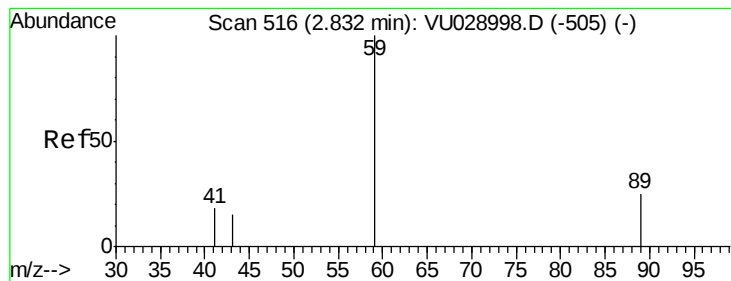
100

50

0

Time-->



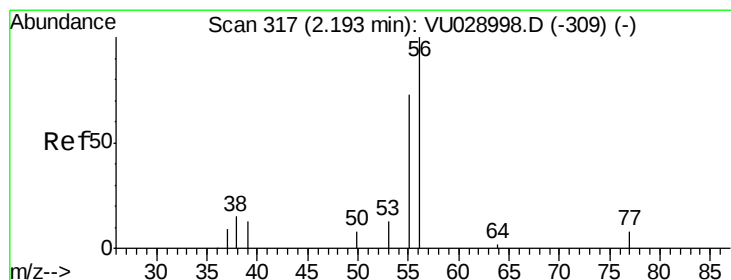
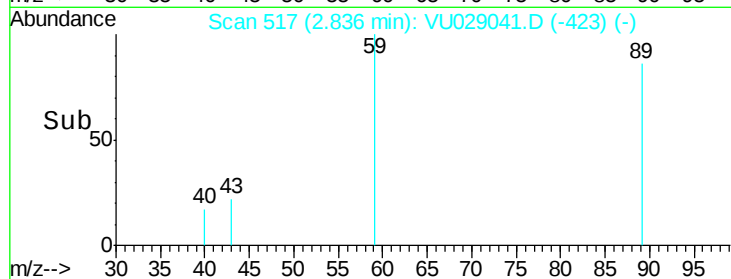
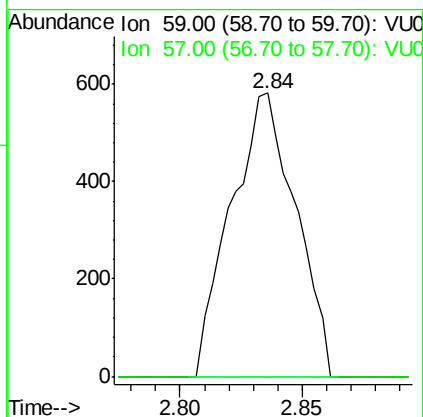
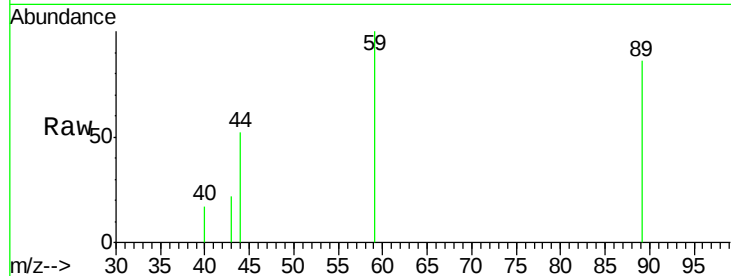


#11

Tert butyl alcohol
 Concen: 3.060 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3-DRUM

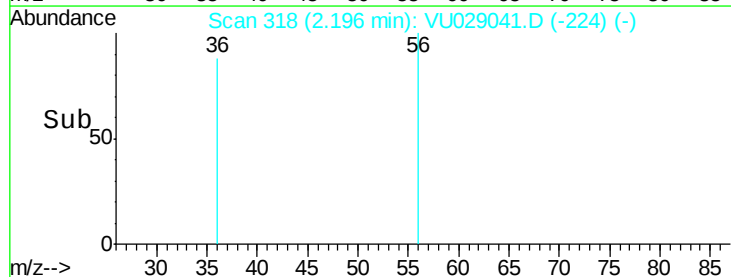
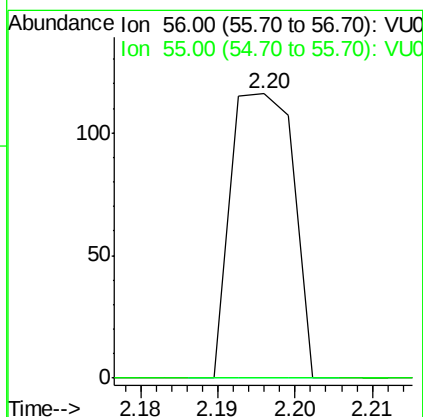
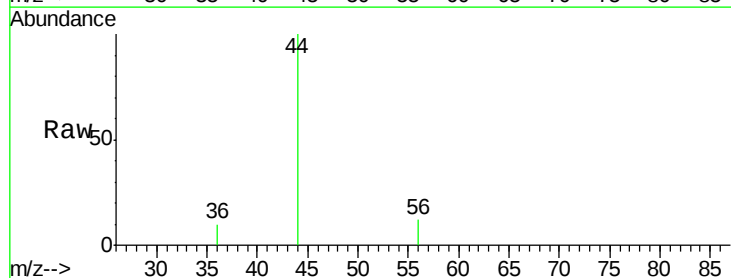
Tot Ion: 59 Resp: 1068
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

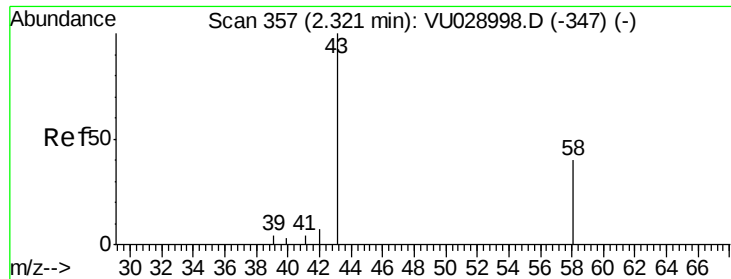


#13

Acrolein
 Concen: 0.248 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Tgt Ion: 56 Resp: 65
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.5 84.7#





#16

Acetone

Concen: 2.997 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

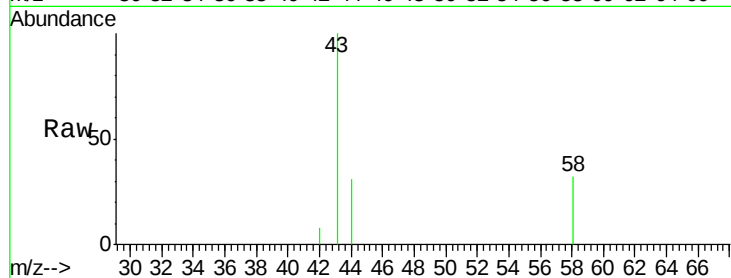
COMP-3-DRUM

Tot Ion: 43 Resp: 2593

Ion Ratio Lower Upper

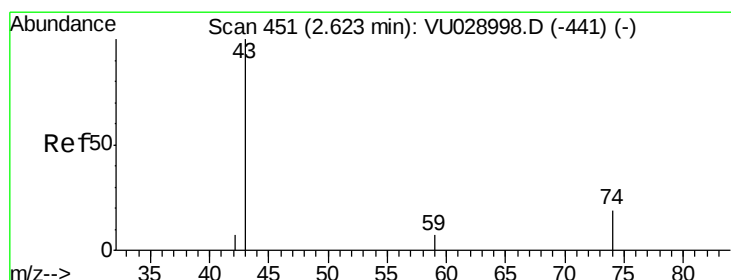
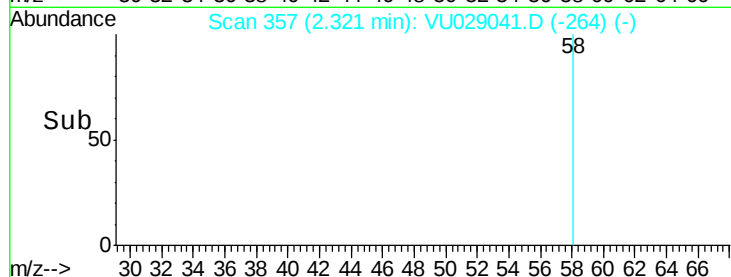
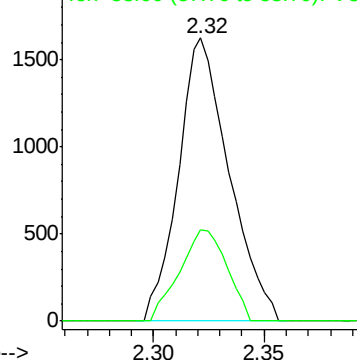
43 100

58 32.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.371 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU029041.D

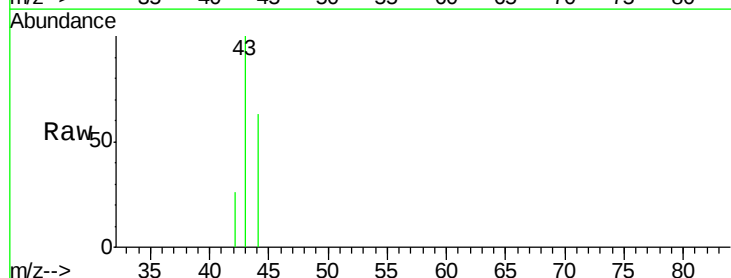
Acq: 04 Jan 2019 20:43

Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

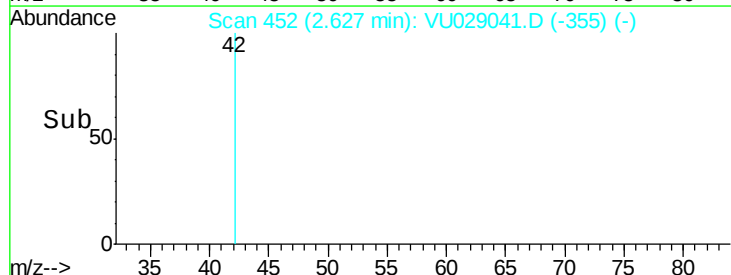
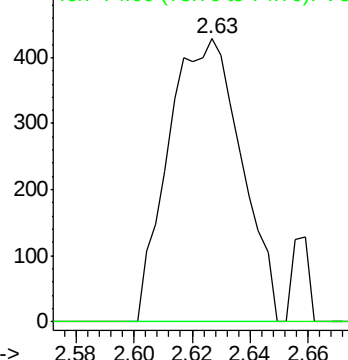
43 100

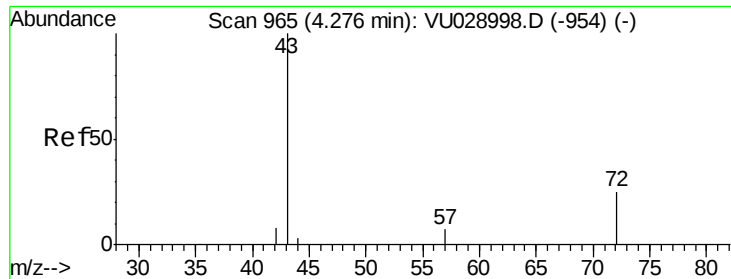
74 0.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#25

2-Butanone

Concen: 20.088 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.01 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

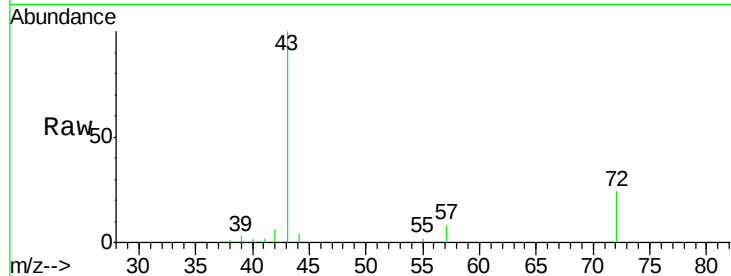
COMP-3-DRUM

Tot Ion: 43 Resp: 23472

Ion Ratio Lower Upper

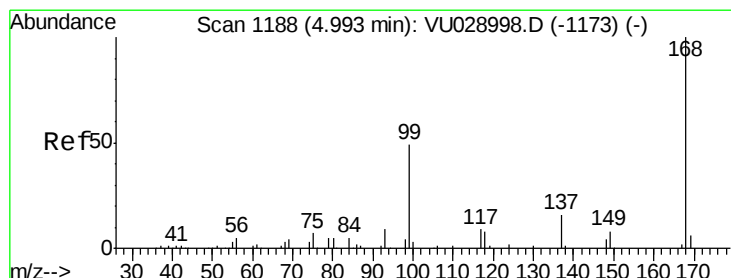
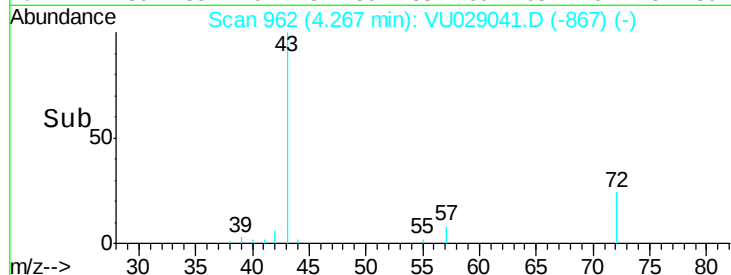
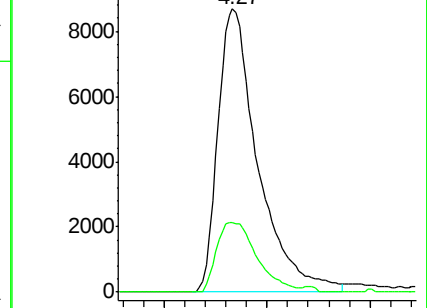
43 100

72 24.4 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

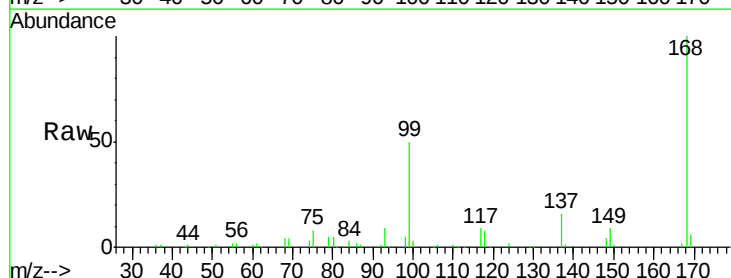
Tgt Ion: 56 Resp: 1973

Ion Ratio Lower Upper

56 100

69 200.5 26.7 40.1#

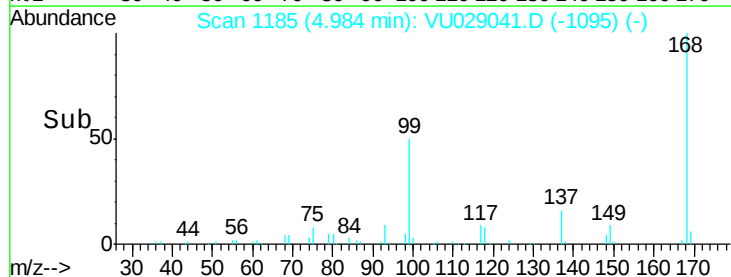
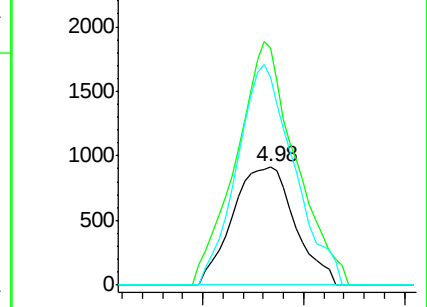
84 175.6 65.7 98.5#

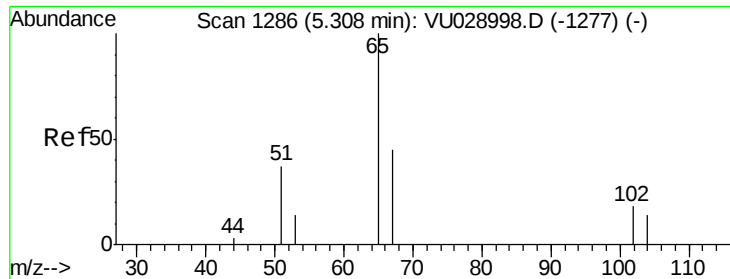


Abundance Ion 56.00 (55.70 to 56.70): VU028998.D (-1173) (-)

Ion 69.00 (68.70 to 69.70): VU028998.D (-1173) (-)

Ion 84.00 (83.70 to 84.70): VU028998.D (-1173) (-)

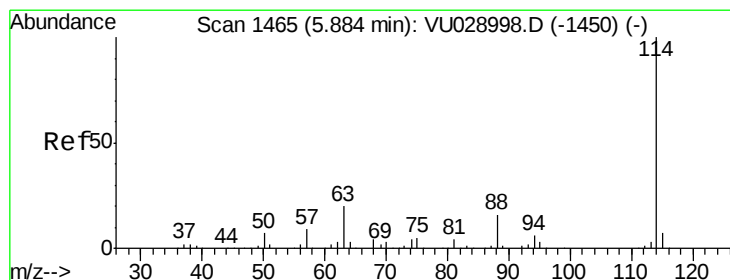
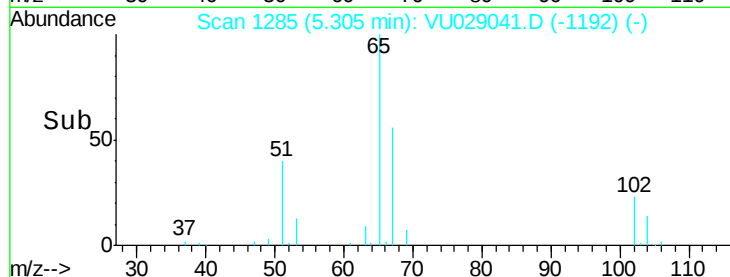
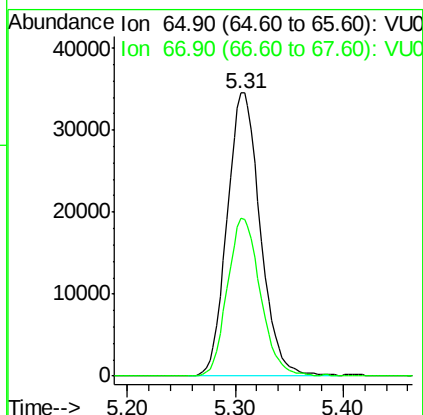
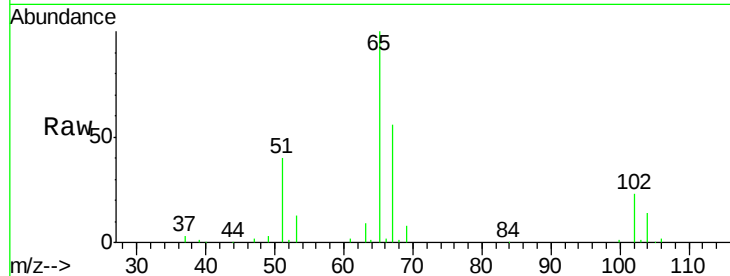




#33
 1,2-Dichloroethane-d4
 Concen: 54.097 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

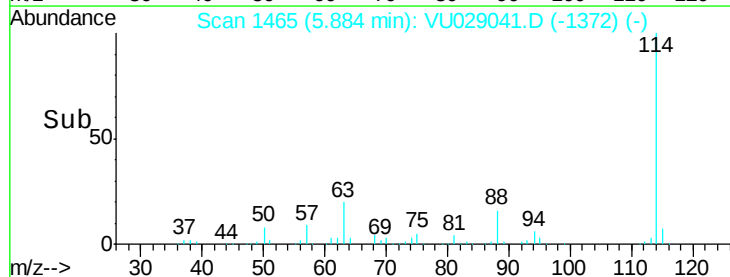
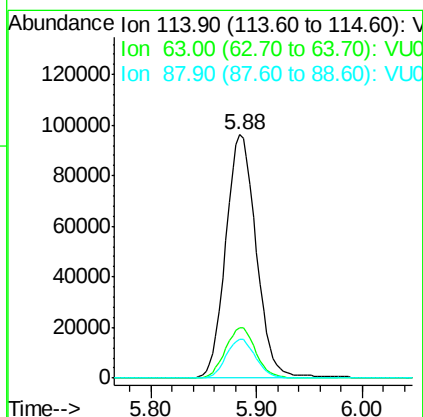
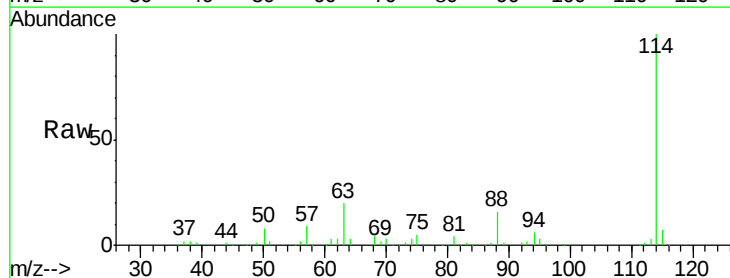
Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3-DRUM

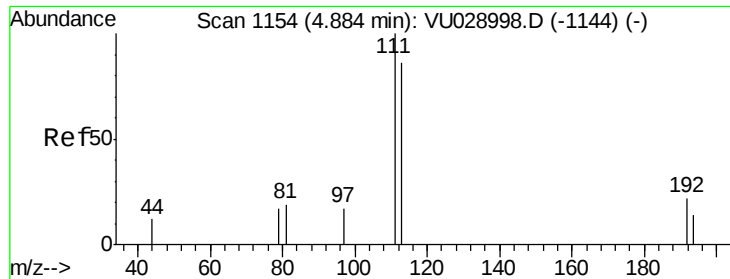
Tot Ion: 65 Resp: 74292
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Tgt Ion: 114 Resp: 192419
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.9 0.0 30.4

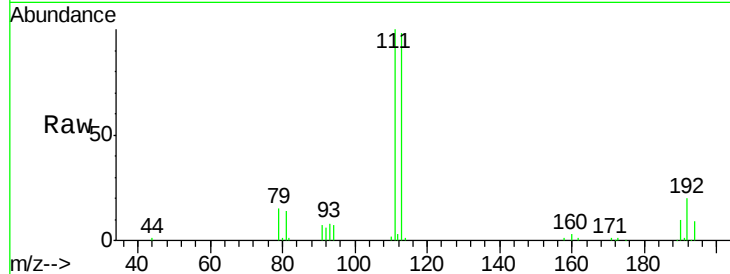




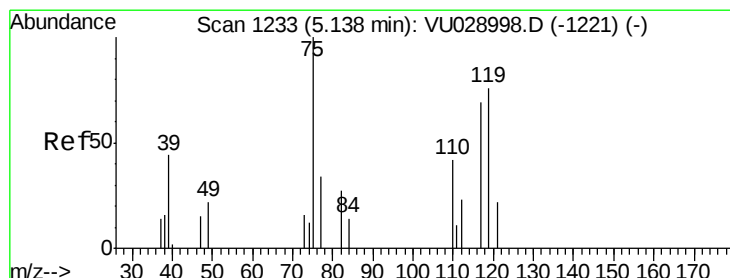
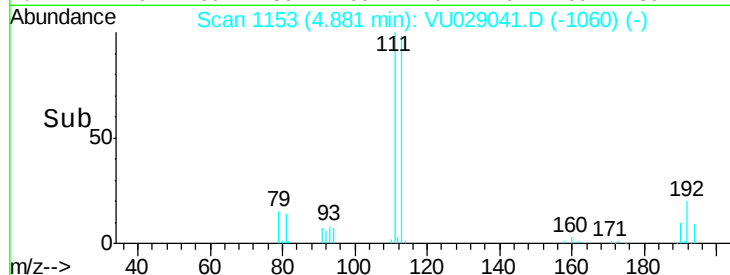
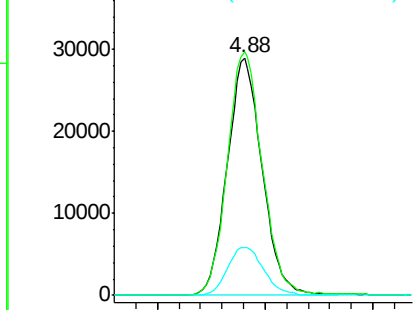
#35
 Dibromofluoromethane
 Concen: 52.355 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3-DRUM

Tot Ion:113 Resp: 65303
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.2
 192 20.7 16.8 25.2

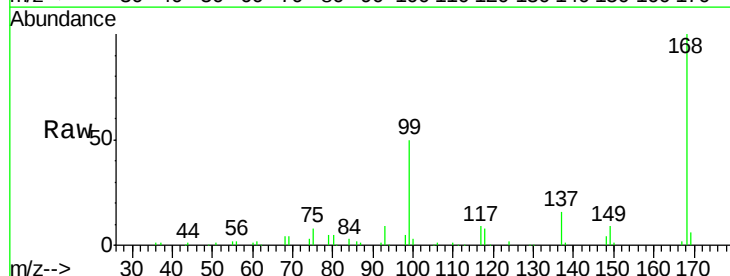


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

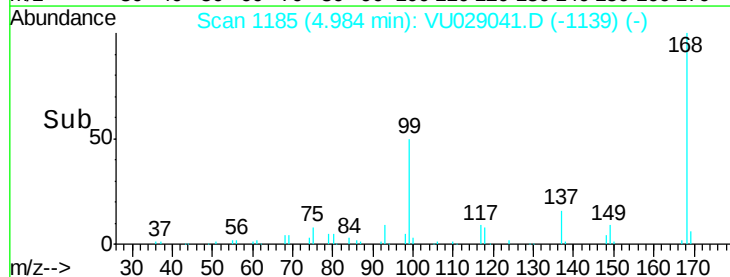
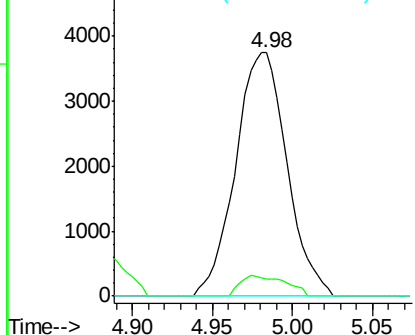


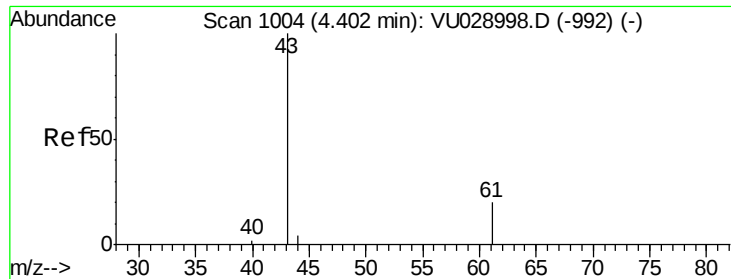
#36
 1,1-Dichloropropene
 Concen: 4.280 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Tgt Ion: 75 Resp: 8232
 Ion Ratio Lower Upper
 75 100
 110 7.4 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: 11.118 ug/l

RT: 4.27 min Scan# 962

Delta R.T. -0.11 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

COMP-3-DRUM

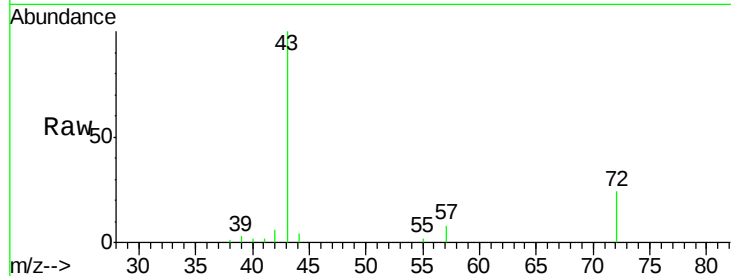
Tot Ion: 43 Resp: 23472

Ion Ratio Lower Upper

43 100

61 0.0 12.6 18.8#

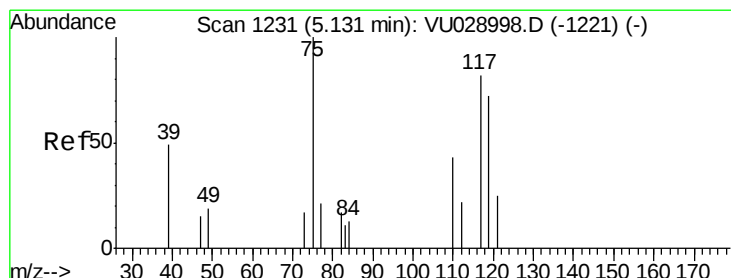
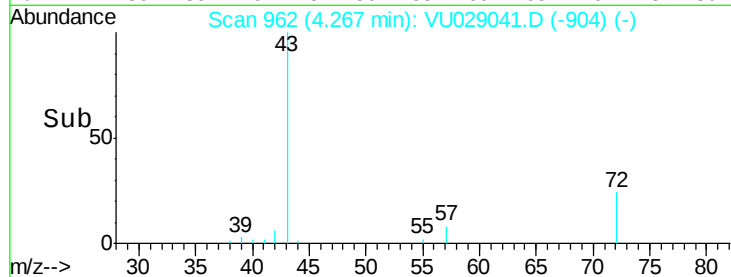
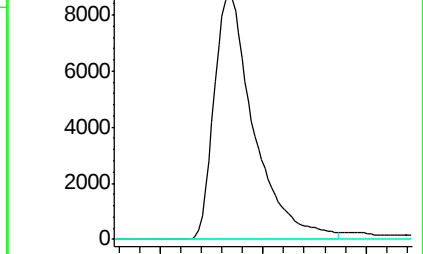
70 0.0 9.3 13.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-992) (-)

Ion 60.90 (60.60 to 61.60): VU028998.D (-992) (-)

Ion 70.00 (69.70 to 70.70): VU028998.D (-992) (-)



#38

Carbon Tetrachloride

Concen: 5.955 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

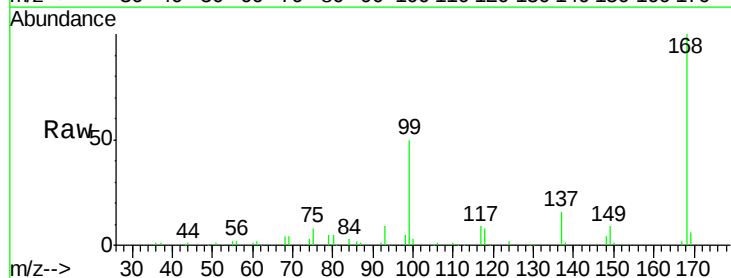
Tgt Ion: 117 Resp: 9553

Ion Ratio Lower Upper

117 100

119 5.3 74.6 111.8#

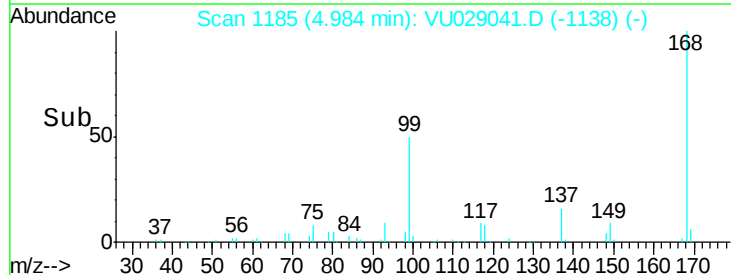
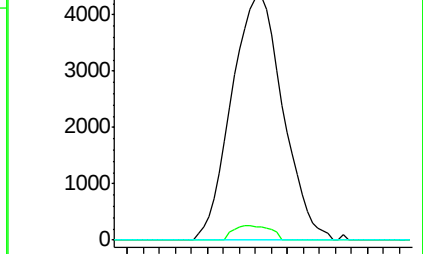
121 0.0 25.0 37.6#

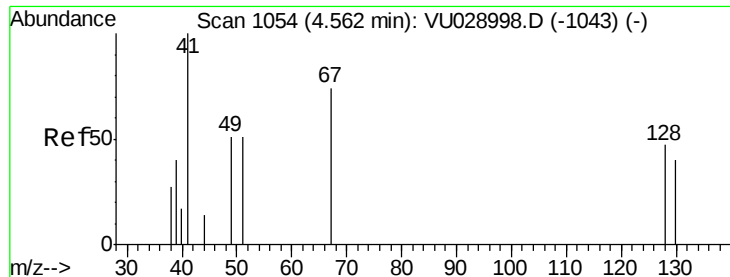


Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-1221) (-)

Ion 118.80 (118.50 to 119.50): VU028998.D (-1221) (-)

Ion 120.80 (120.50 to 121.50): VU028998.D (-1221) (-)

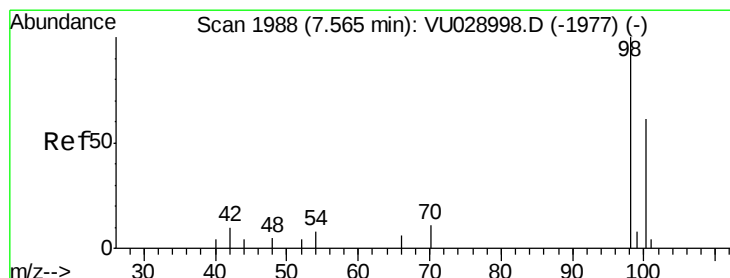
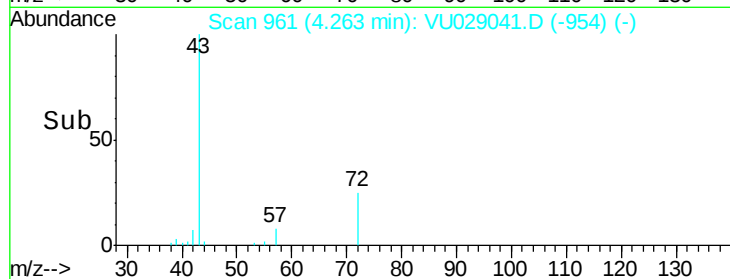
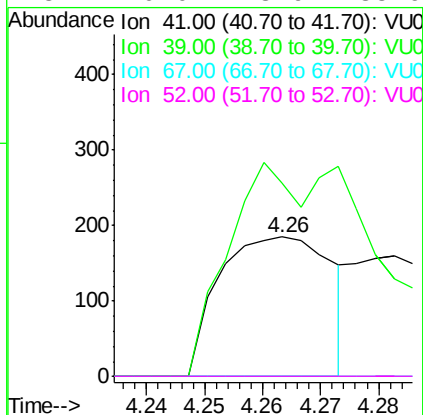
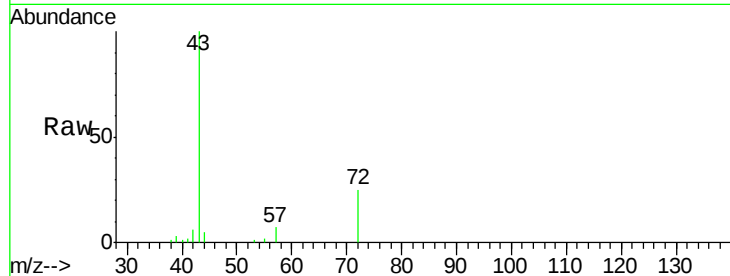




#41
Methacrylonitrile
Concen: 0.219 ug/l
RT: 4.26 min Scan# 961
Delta R.T. -0.28 min
Lab File: VU029041.D
Acq: 04 Jan 2019 20:43

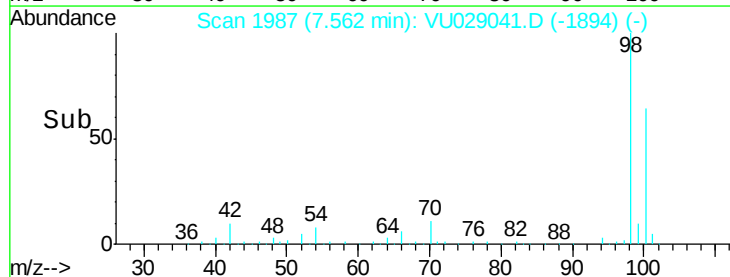
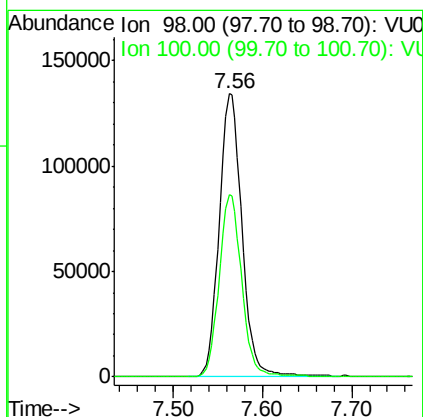
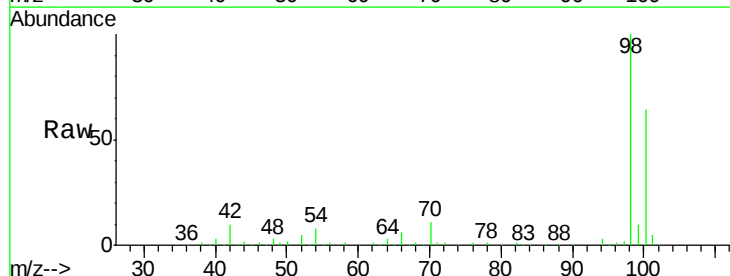
Instrument :
MSVOA_U
ClientSampleId :
COMP-3-DRUM

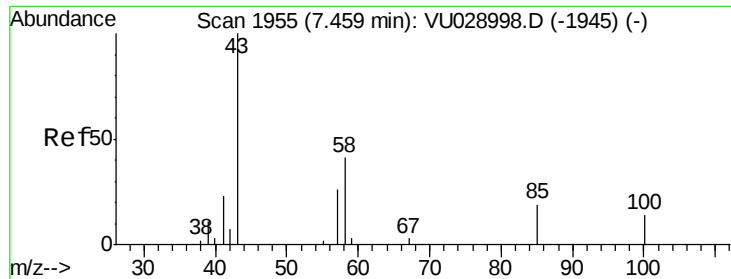
Tot Ion: 41 Resp: 247
Ion Ratio Lower Upper
41 100
39 98.8 42.3 63.5#
67 0.0 64.4 96.6#
52 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 48.486 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029041.D
Acq: 04 Jan 2019 20:43

Tgt Ion: 98 Resp: 238758
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.379 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

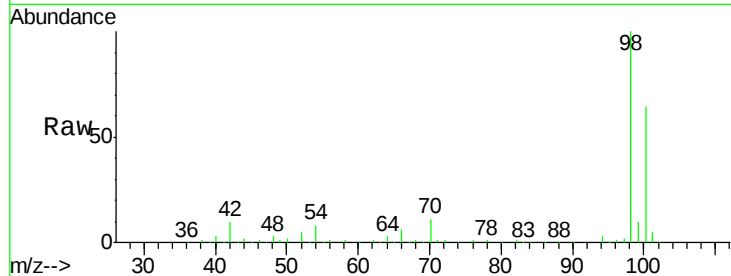
COMP-3-DRUM

Tot Ion: 43 Resp: 836

Ion Ratio Lower Upper

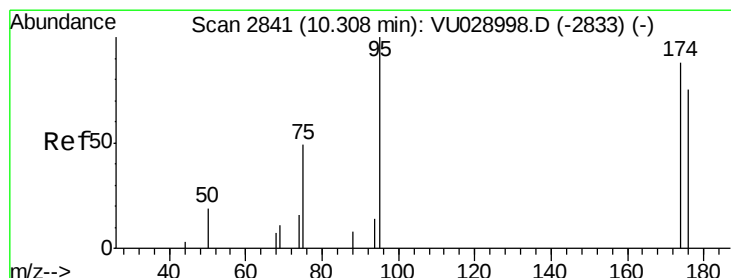
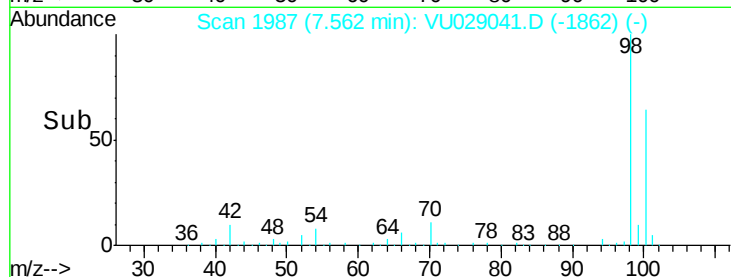
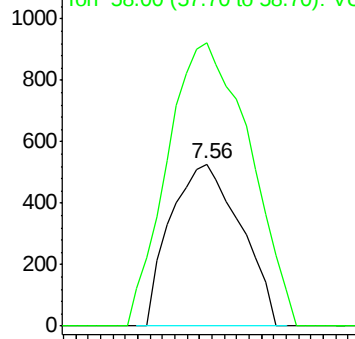
43 100

58 204.3 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 42.039 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029041.D

Acq: 04 Jan 2019 20:43

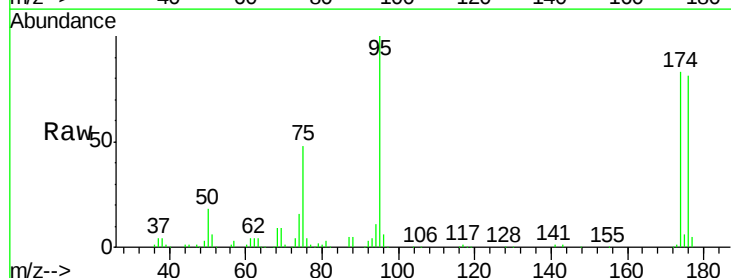
Tgt Ion: 95 Resp: 74396

Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.6

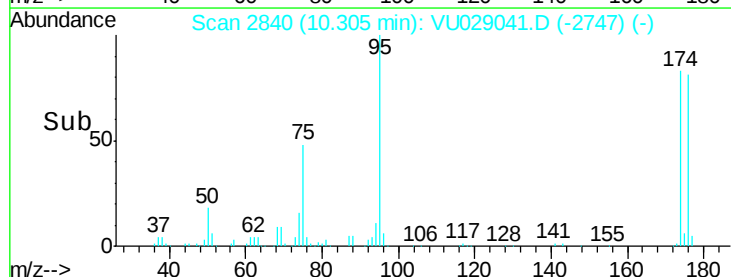
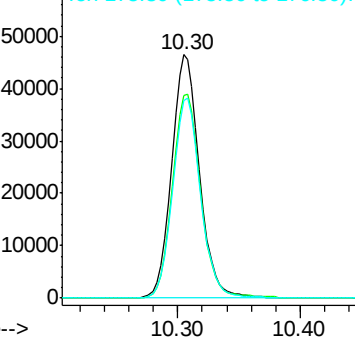
176 82.4 0.0 165.0

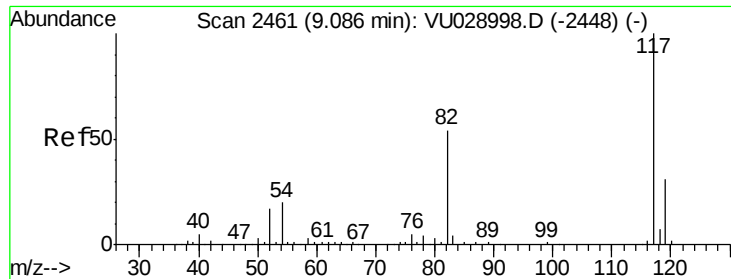


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

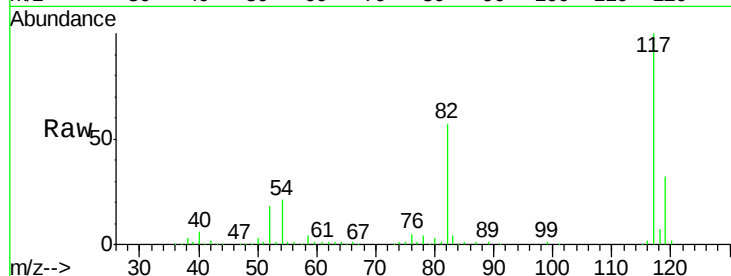




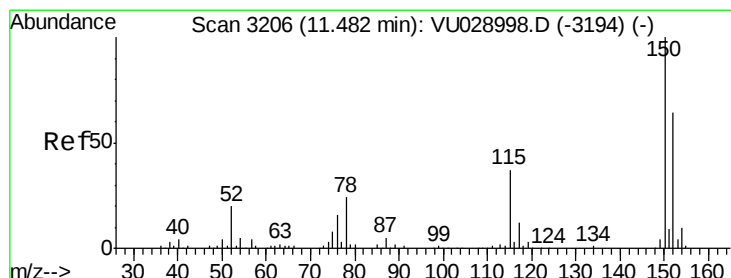
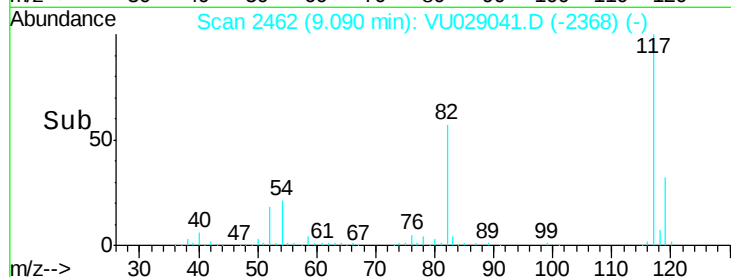
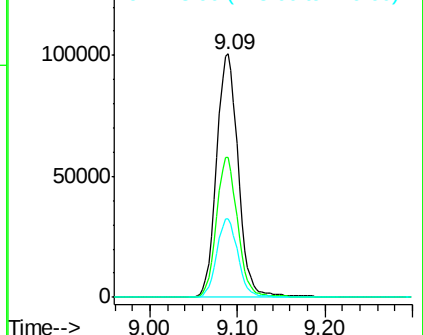
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029041.D
Acq: 04 Jan 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
COMP-3-DRUM

Tot Ion:117 Resp: 173947
Ion Ratio Lower Upper
117 100
82 57.3 43.9 65.9
119 32.4 26.0 39.0

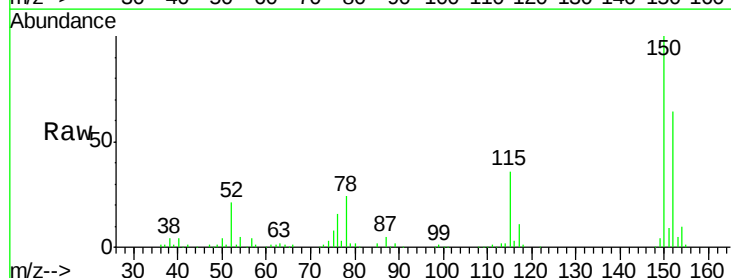


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

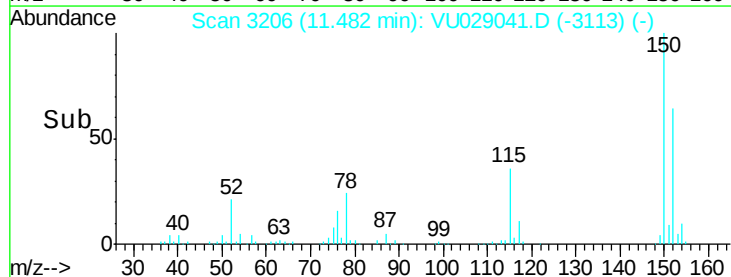
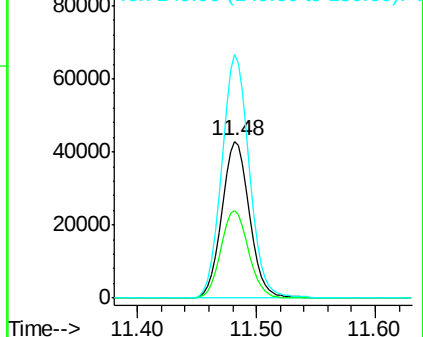


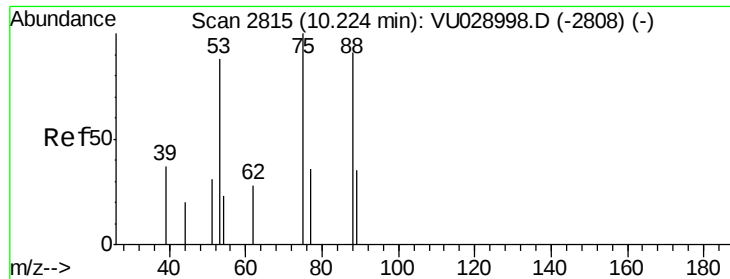
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029041.D
Acq: 04 Jan 2019 20:43

Tgt Ion:152 Resp: 68889
Ion Ratio Lower Upper
152 100
115 56.5 40.1 120.3
150 154.5 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

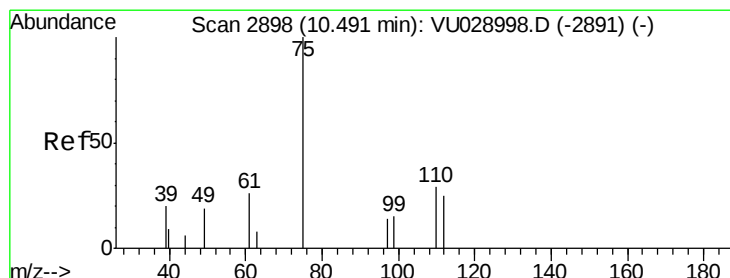
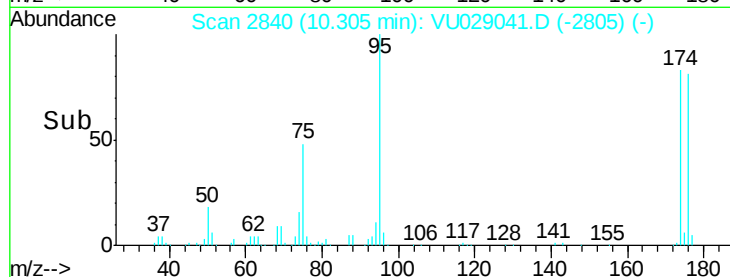
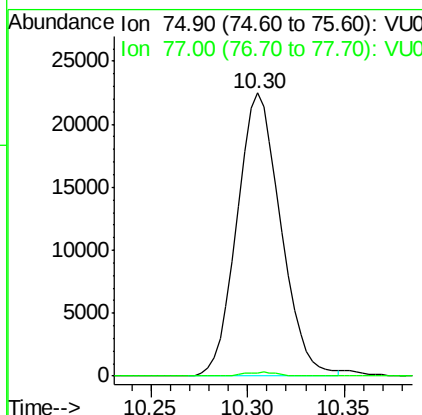
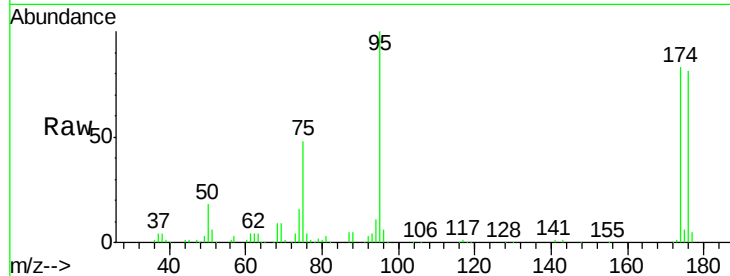




#76
 1,2,3-Trichloropropane
 Concen: 20.971 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 COMP-3-DRUM

Tot Ion: 75 Resp: 35397
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.086 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.21 min
 Lab File: VU029041.D
 Acq: 04 Jan 2019 20:43

Tgt Ion: 75 Resp: 35397
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

