

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027268.D
 Acq On : 28 Sep 2018 13:55
 Operator : MD/SY
 Sample : J5104-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-E5JEB5-ER1

Quant Time: Sep 28 16:18:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	99189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	157784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79351	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	99480	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	4.89	113	69647	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
50) Toluene-d8	7.57	98	258401	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	10.31	95	87389	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

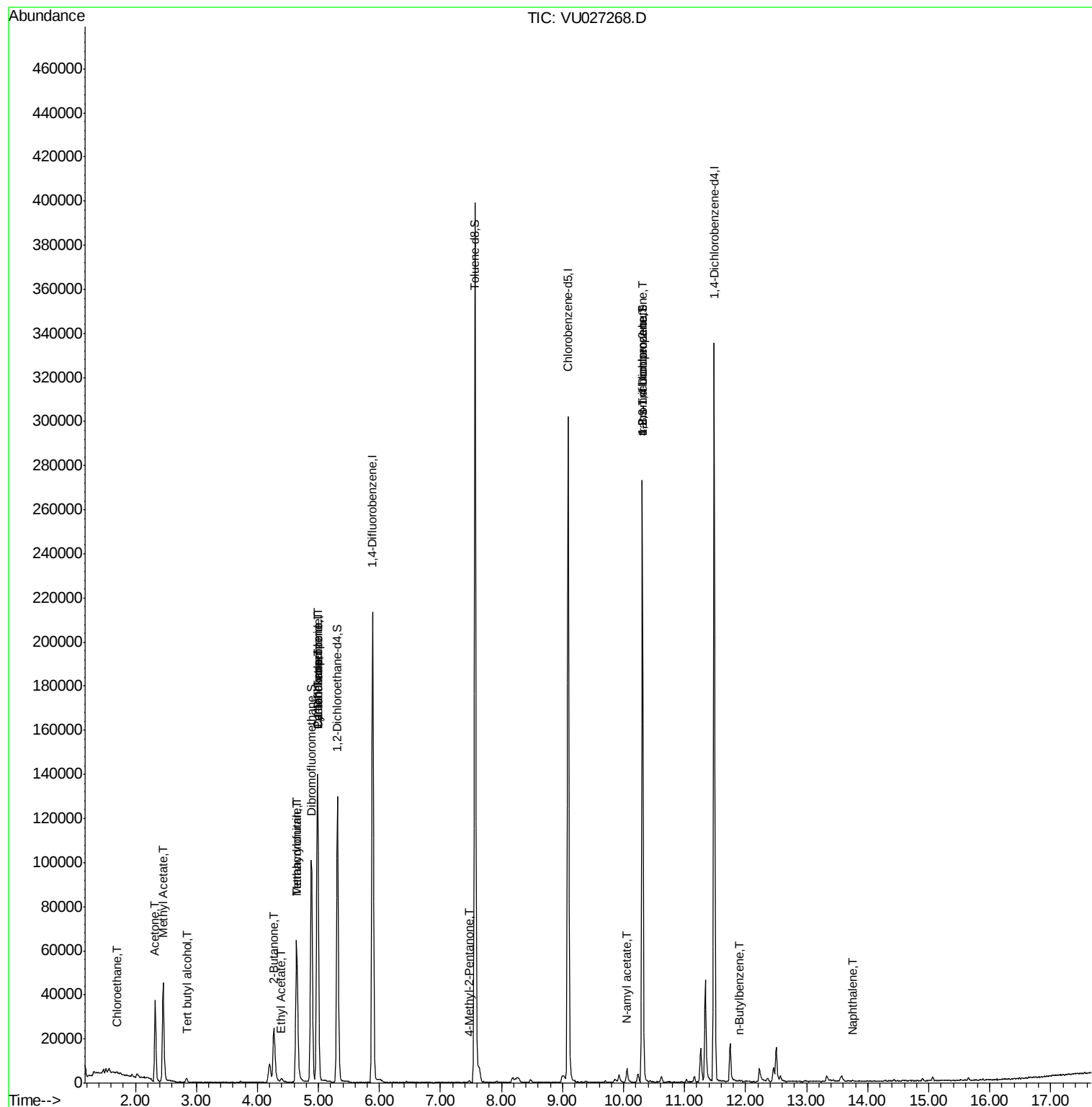
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	323	0.243	ug/l #	43
11) Tert butyl alcohol	2.84	59	1737	3.796	ug/l #	72
16) Acetone	2.32	43	39354	21.980	ug/l	100
18) Methyl Acetate	2.45	43	11872	4.178	ug/l #	55
25) 2-Butanone	4.27	43	42238	25.176	ug/l	98
29) Tetrahydrofuran	4.64	42	50693	49.949	ug/l	96
31) Cyclohexane	4.98	56	2747	0.352	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9157	4.160	ug/l #	49
37) Ethyl Acetate	4.40	43	1644	0.552	ug/l #	85
38) Carbon Tetrachloride	4.98	117	10155	4.847	ug/l #	17
41) Methacrylonitrile	4.64	41	29279	18.918	ug/l #	48
51) 4-Methyl-2-Pentanone	7.47	43	691	0.236	ug/l #	83
74) N-amyl acetate	10.05	43	1378	0.394	ug/l #	38
76) 1,2,3-Trichloropropane	10.31	75	46456	19.271	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	46456	61.671	ug/l #	100
89) n-Butylbenzene	11.89	91	209	2.429	ug/l #	33
95) Naphthalene	13.75	128	488	1.761	ug/l #	69

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

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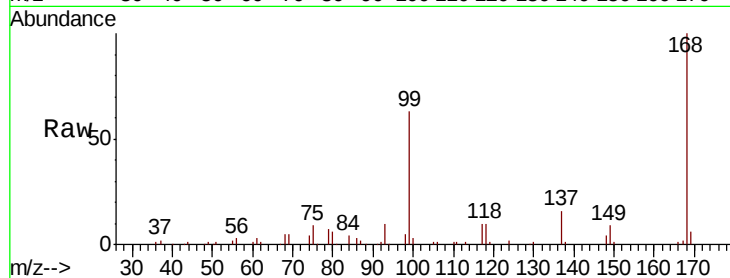




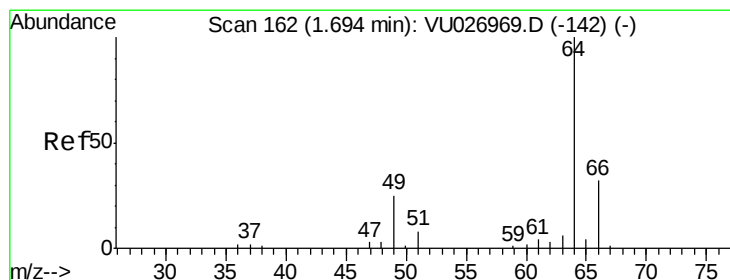
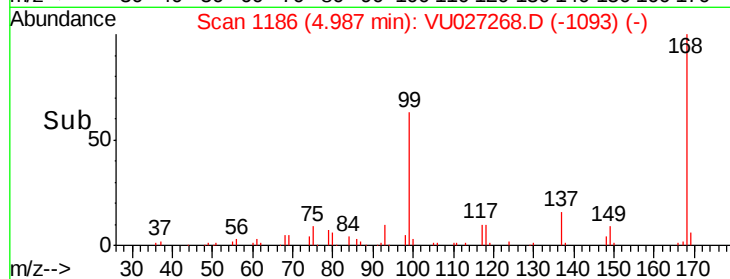
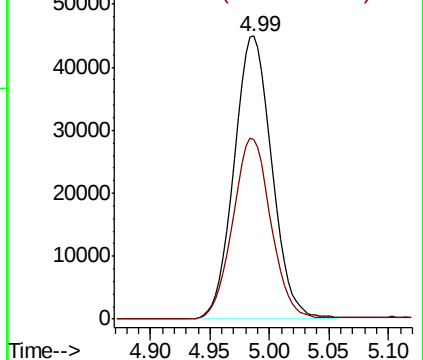
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

Tot Ion:168 Resp: 99189
Ion Ratio Lower Upper
168 100
99 63.3 48.1 72.1

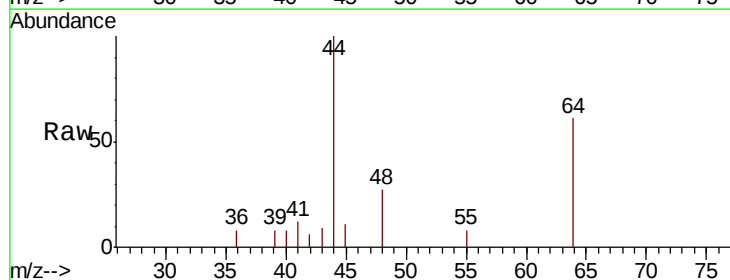


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

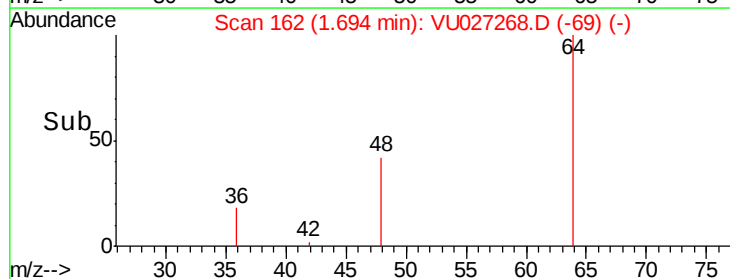
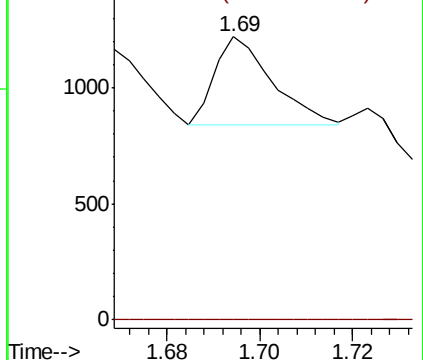


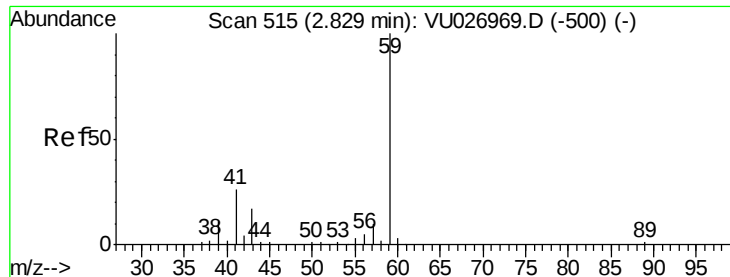
#6
Chloroethane
Concen: 0.243 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

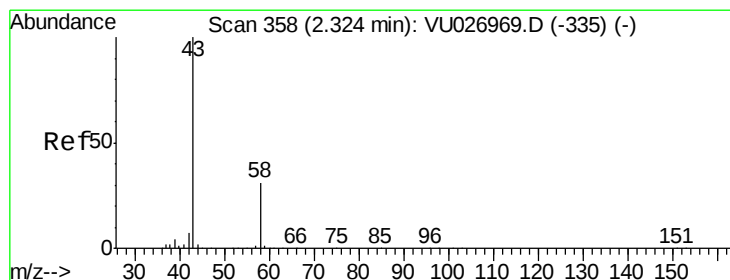
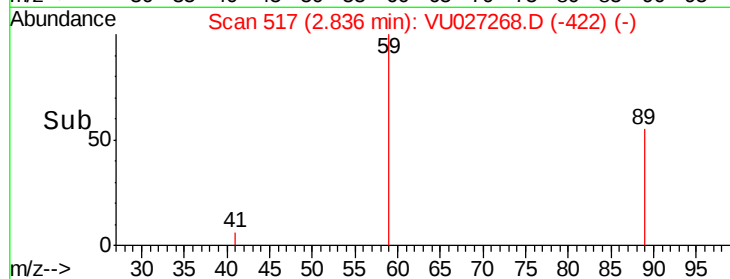
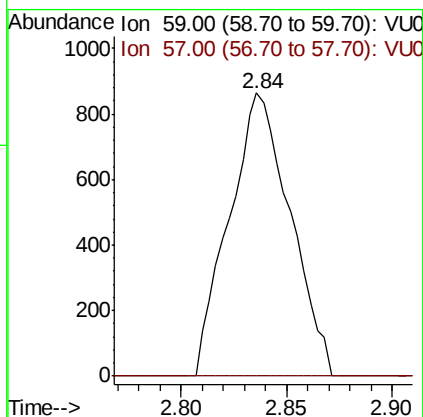
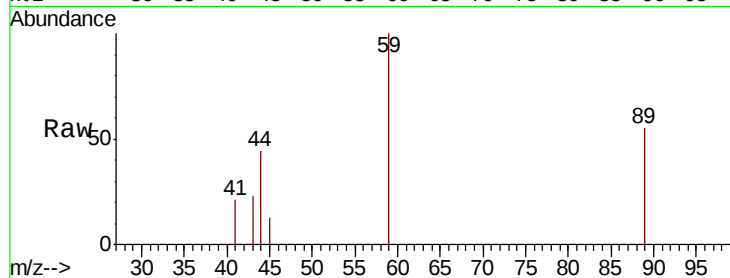




#11
Tert butyl alcohol
Concen: 3.796 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

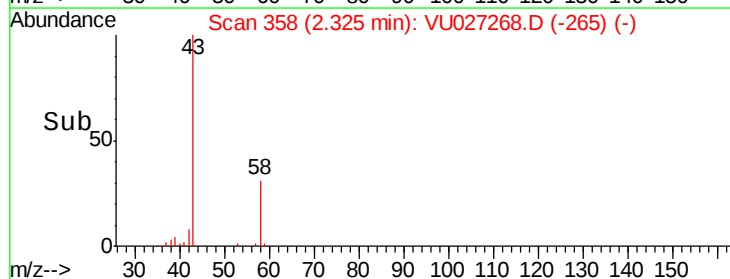
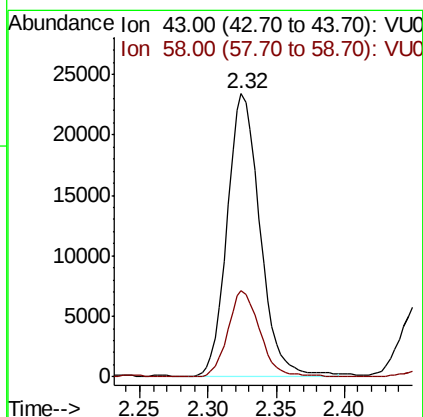
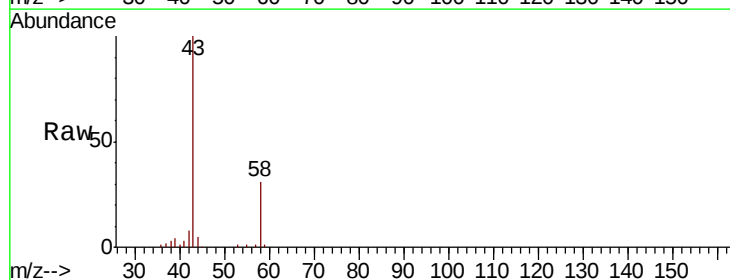
Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

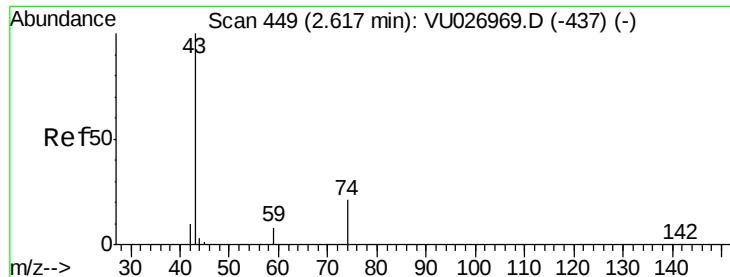
Tot Ion: 59 Resp: 1737
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 21.980 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion: 43 Resp: 39354
Ion Ratio Lower Upper
43 100
58 30.5 24.6 36.8

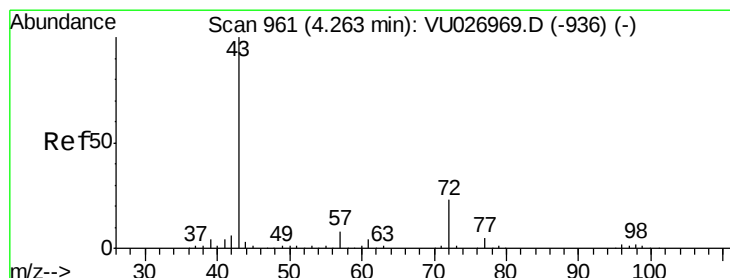
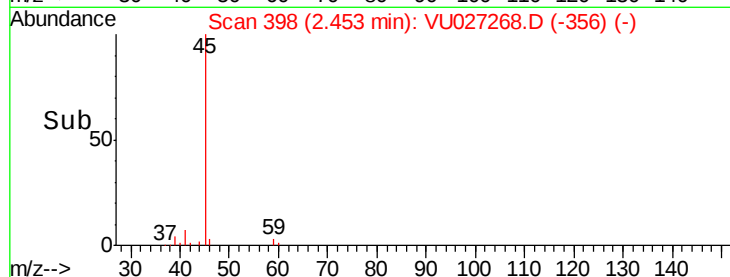
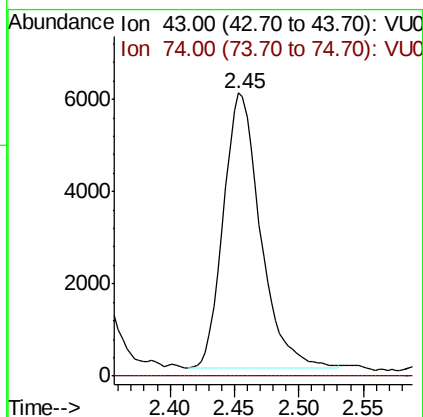
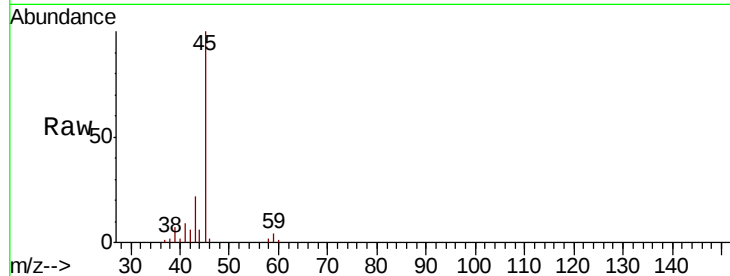




#18
Methvl Acetate
Concen: 4.178 ug/l
RT: 2.45 min Scan# 398
Delta R.T. -0.16 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

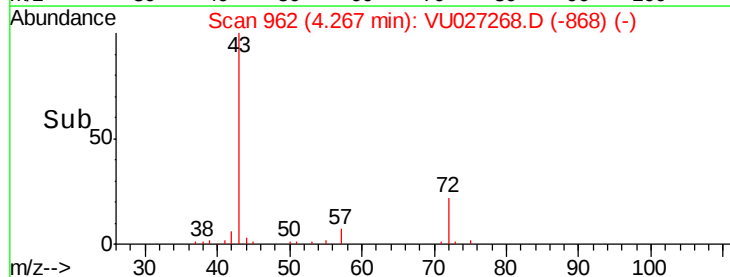
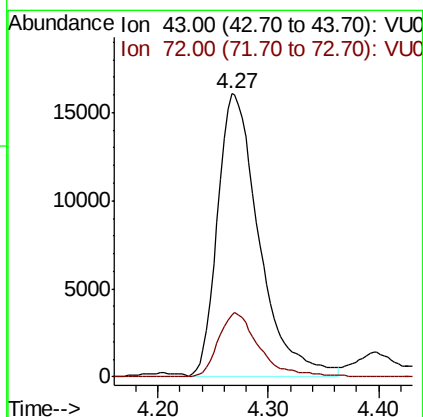
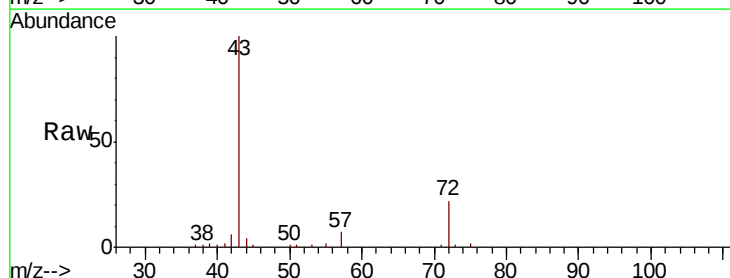
Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

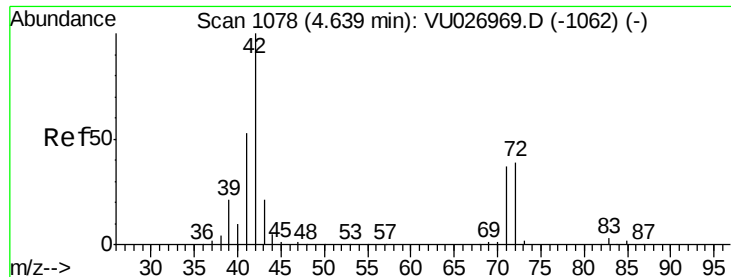
Tot Ion: 43 Resp: 11872
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#25
2-Butanone
Concen: 25.176 ug/l
RT: 4.27 min Scan# 962
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion: 43 Resp: 42238
Ion Ratio Lower Upper
43 100
72 22.0 18.4 27.6

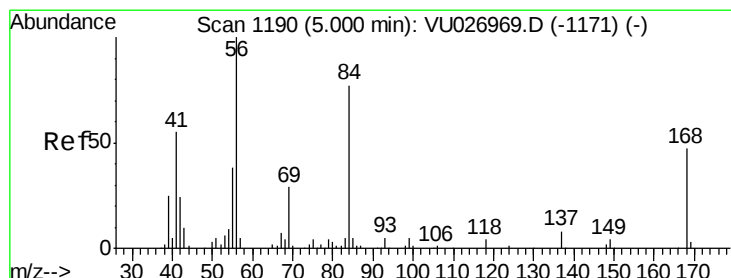
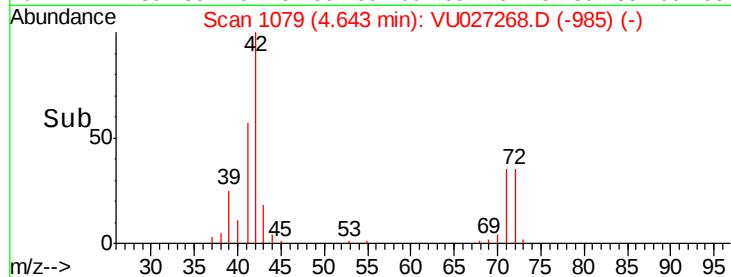
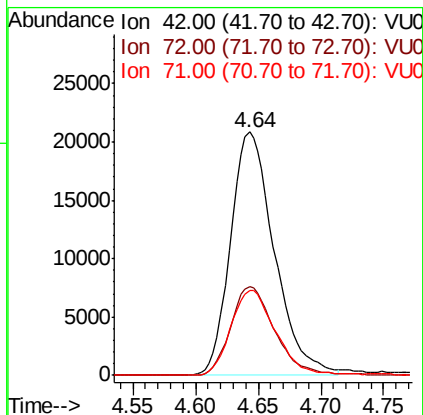
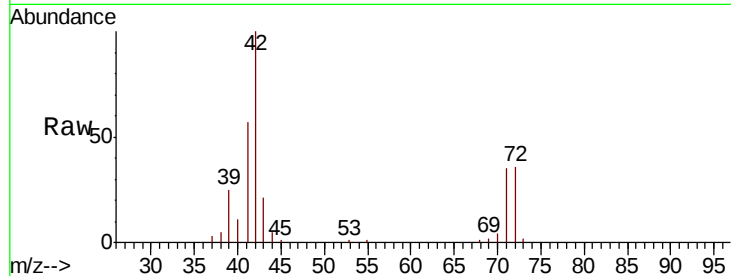




#29
Tetrahydrofuran
Concen: 49.949 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

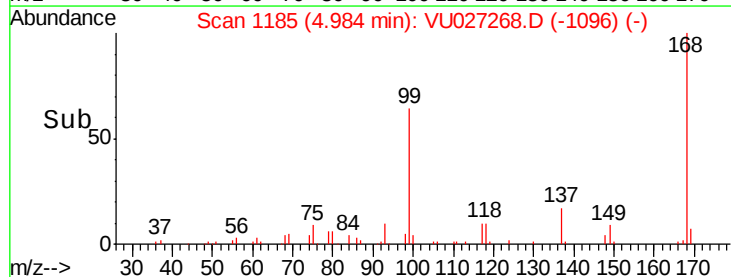
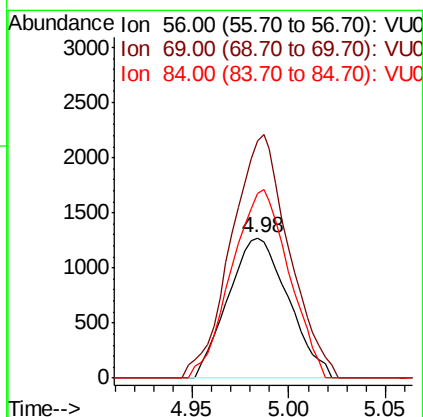
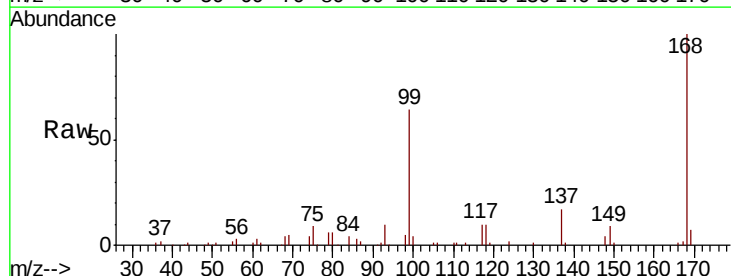
Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

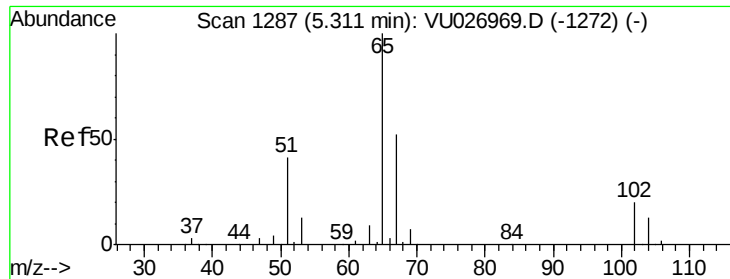
Tot Ion: 42 Resp: 50693
Ion Ratio Lower Upper
42 100
72 36.6 31.7 47.5
71 35.4 29.6 44.4



#31
Cyclohexane
Concen: 0.352 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion: 56 Resp: 2747
Ion Ratio Lower Upper
56 100
69 169.7 23.0 34.4#
84 131.8 61.4 92.2#





#33

1,2-Dichloroethane-d4

Concen: 49.831 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

Instrument :

MSVOA_U

ClientSampleId :

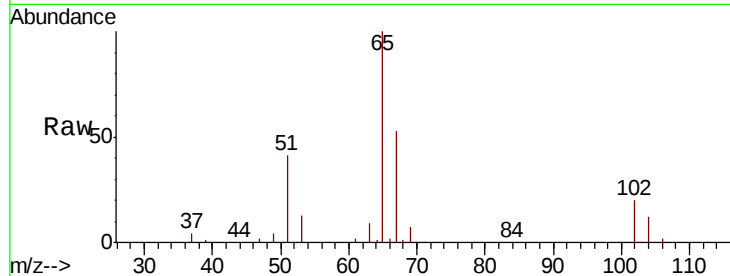
FA18-E5JEB5-ER1

Tot Ion: 65 Resp: 99480

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU027268.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027268.D (-1194) (-)

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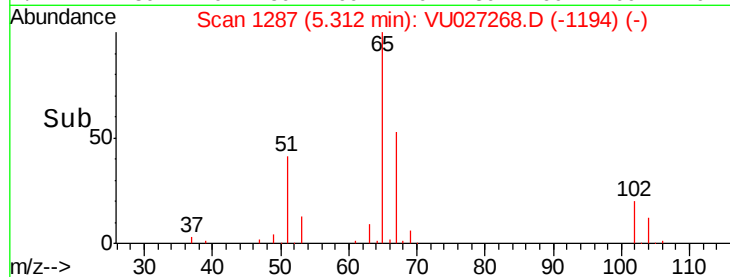
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

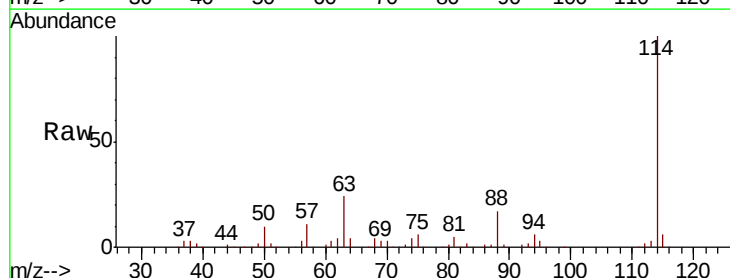
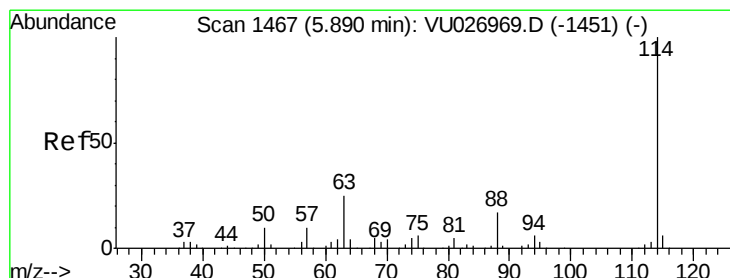
Tgt Ion: 114 Resp: 164947

Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 16.9 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VU027268.D (-1374) (-)

Ion 63.00 (62.70 to 63.70): VU027268.D (-1374) (-)

Ion 87.90 (87.60 to 88.60): VU027268.D (-1374) (-)

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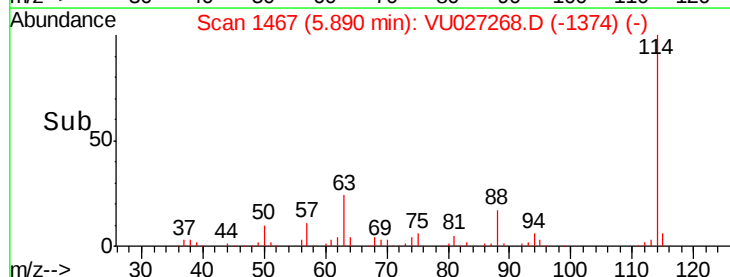
5.89

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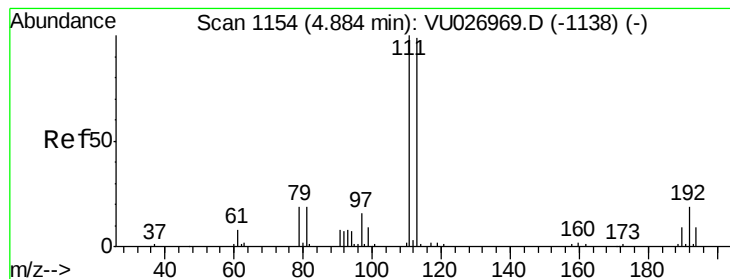
5.89

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5.89



Time-->



#35

Dibromofluoromethane

Concen: 48.712 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

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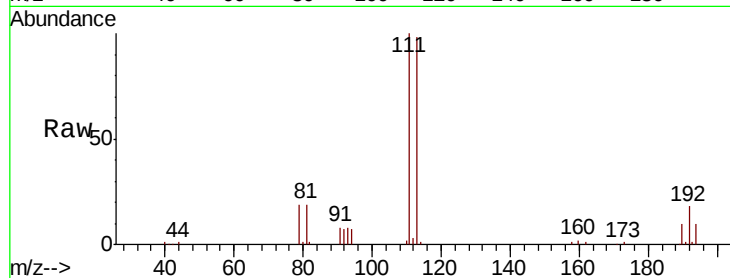
Tot Ion:113 Resp: 69647

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

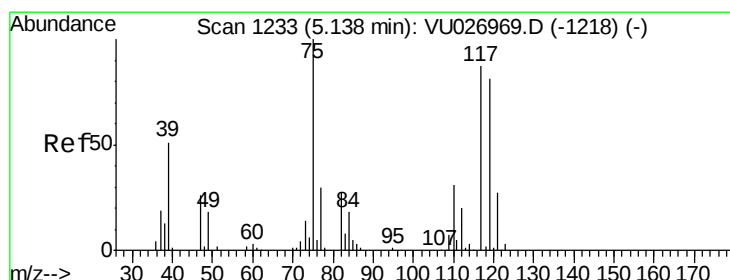
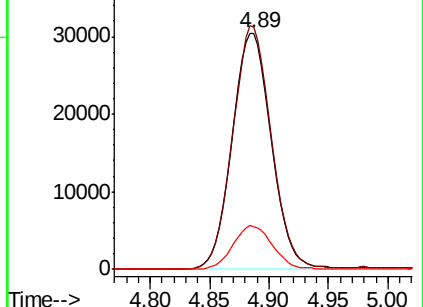
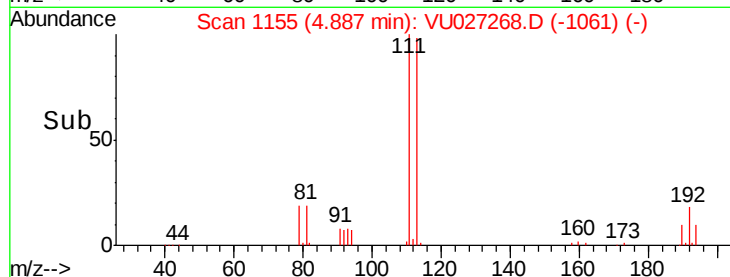
192 18.6 15.2 22.8



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: 4.160 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

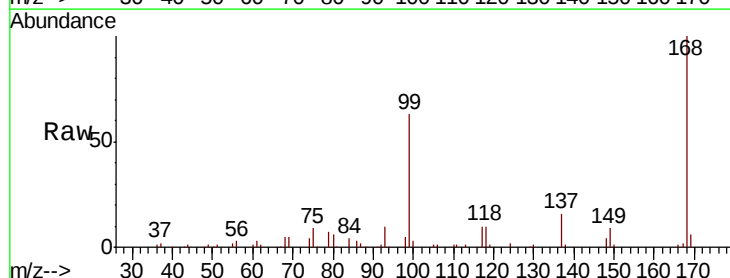
Tgt Ion: 75 Resp: 9157

Ion Ratio Lower Upper

75 100

110 6.8 16.1 48.2#

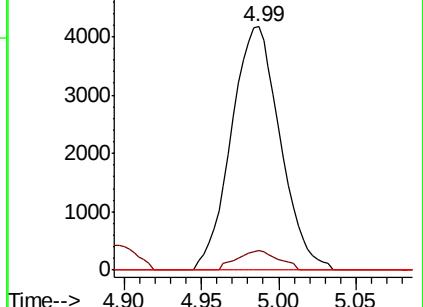
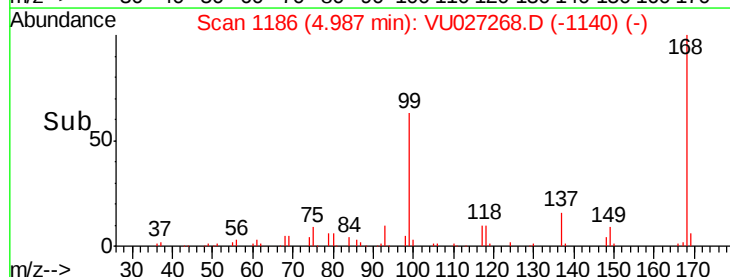
77 0.0 24.6 36.8#

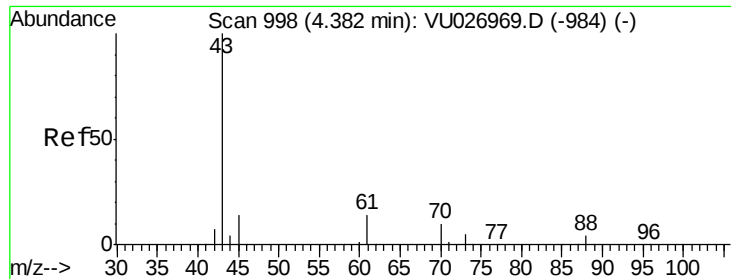


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 0.552 ug/l

RT: 4.40 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

Instrument :

MSVOA_U

ClientSampleId :

FA18-E5JEB5-ER1

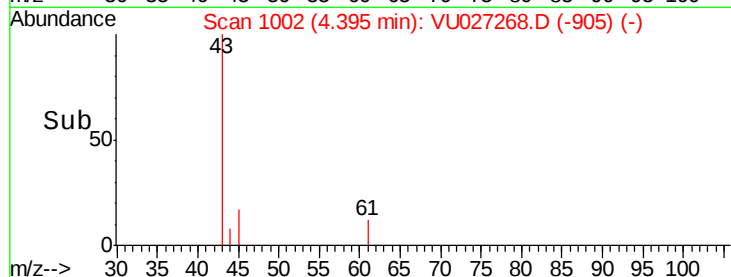
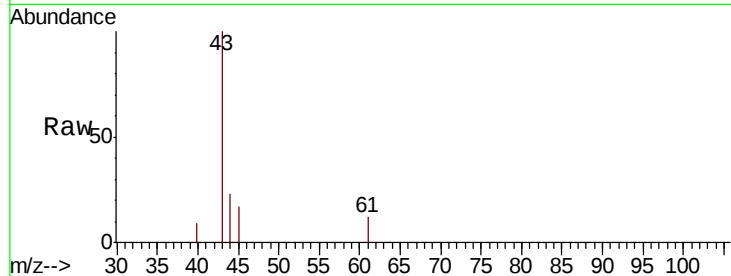
Tot Ion: 43 Resp: 1644

Ion Ratio Lower Upper

43 100

61 16.2 10.5 15.7#

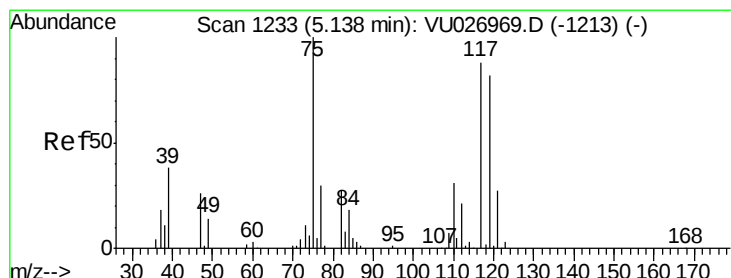
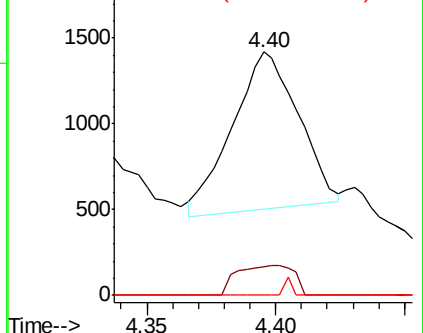
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027268.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027268.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027268.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 4.847 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

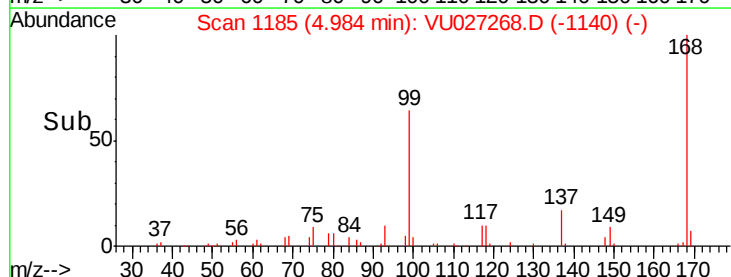
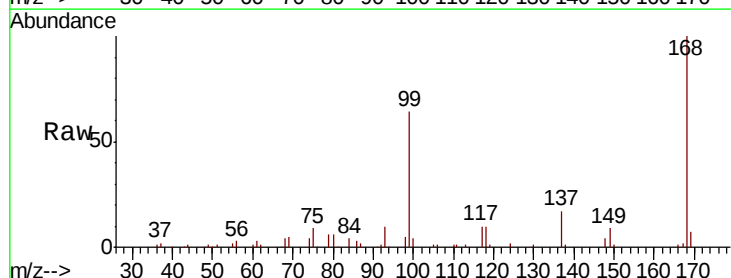
Tgt Ion: 117 Resp: 10155

Ion Ratio Lower Upper

117 100

119 5.4 74.4 111.6#

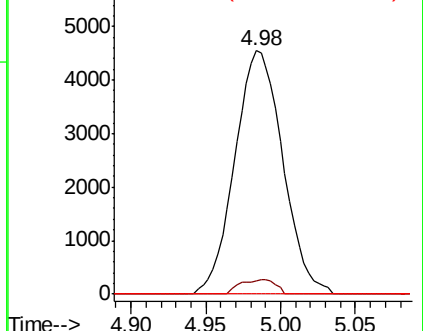
121 0.0 24.2 36.4#

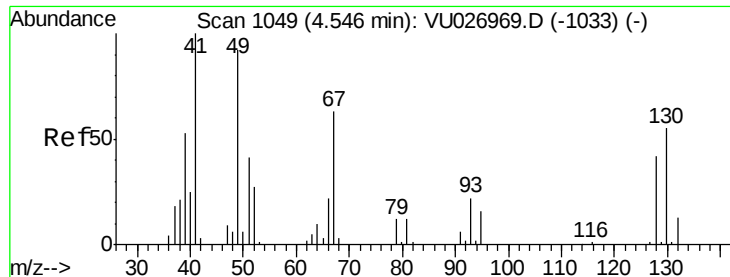


Abundance Ion 116.80 (116.50 to 117.50): VU027268.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027268.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027268.D (-1140) (-)

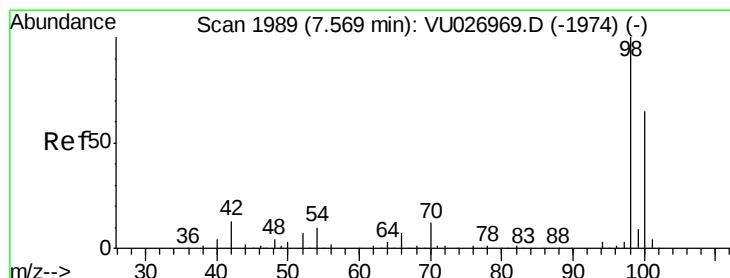
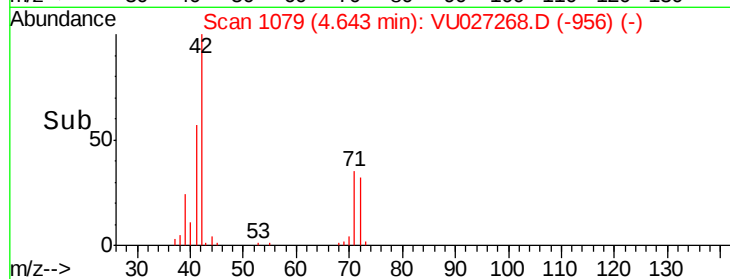
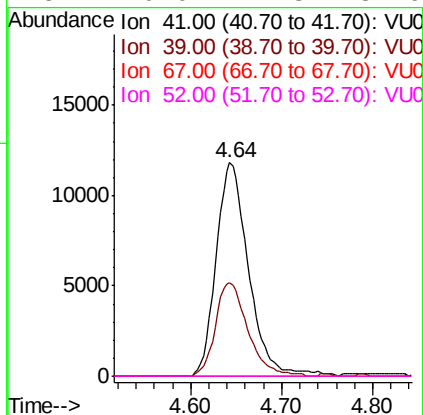
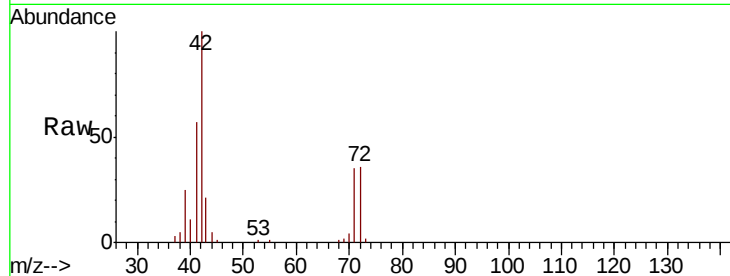




#41
Methacrylonitrile
Concen: 18.918 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.10 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

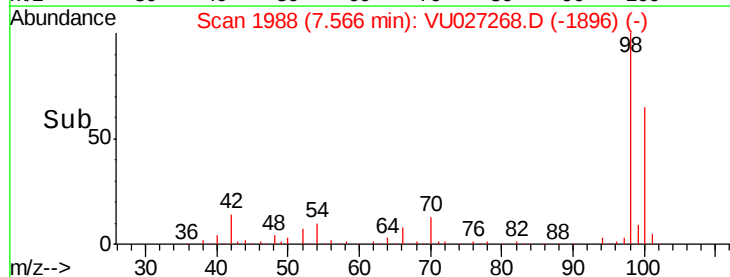
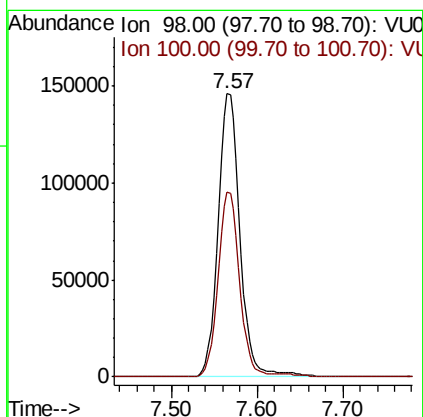
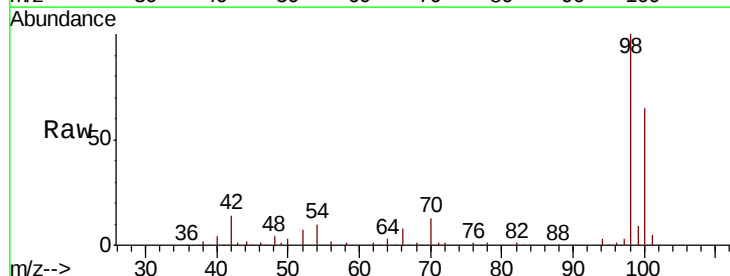
Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

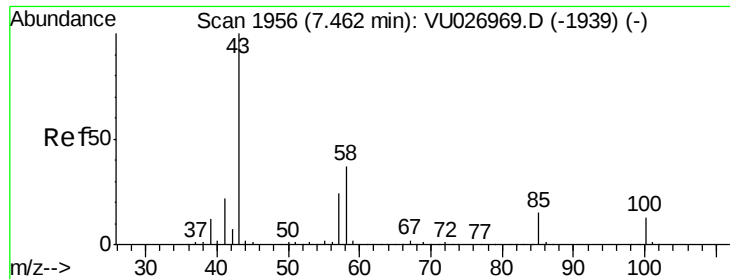
Tot Ion	Ratio	Lower	Upper
41	100		
39	43.9	42.9	64.3
67	0.0	52.4	78.6#
52	0.0	21.3	31.9#



#50
Toluene-d8
Concen: 47.423 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 0.236 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

Instrument :

MSVOA_U

ClientSampleId :

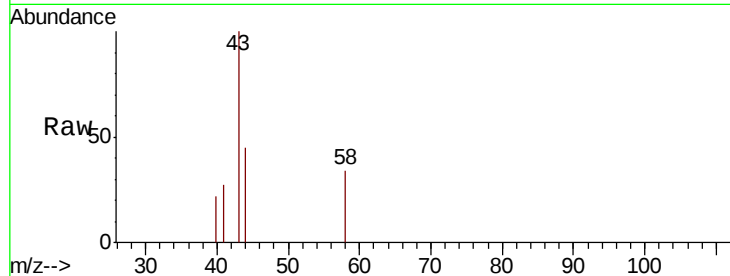
FA18-E5JEB5-ER1

Tot Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 26.9 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

500

400

300

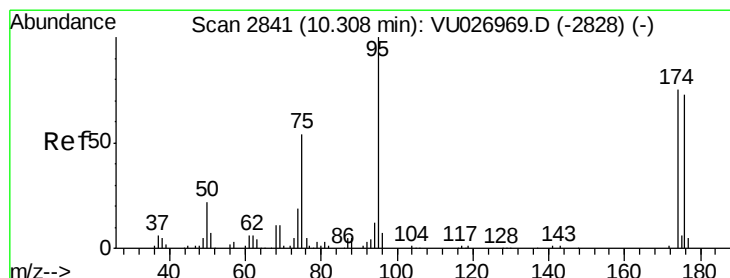
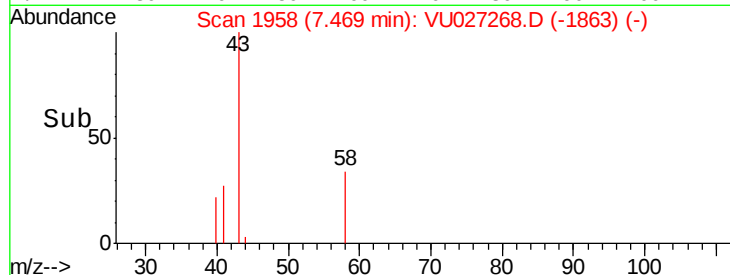
200

100

0

7.44 7.46 7.48 7.50

Time-->



#62

4-Bromofluorobenzene

Concen: 46.740 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

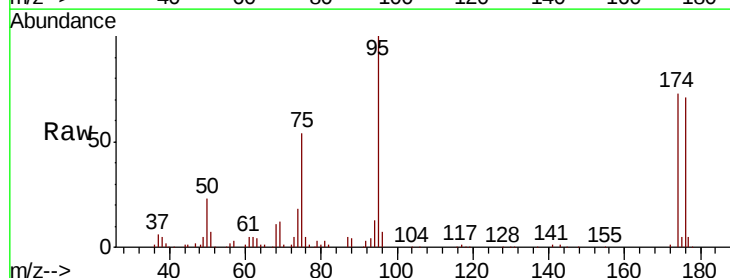
Tgt Ion: 95 Resp: 87389

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

176 71.1 0.0 145.2



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

60000

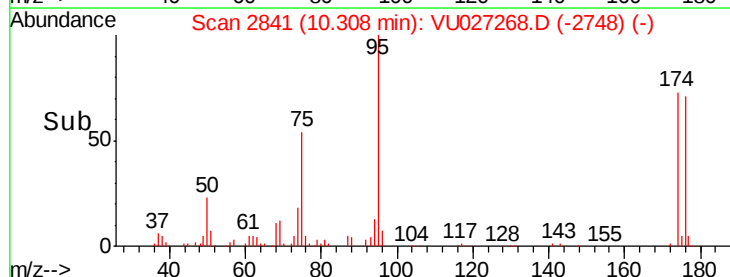
40000

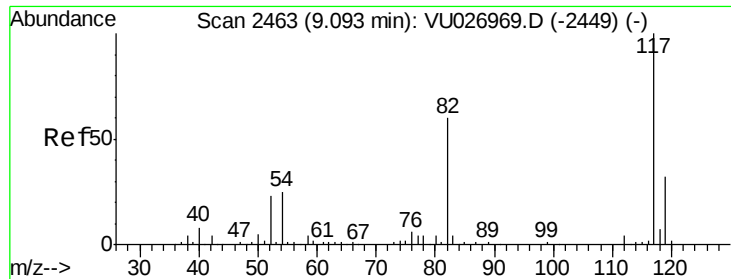
20000

0

10.30 10.31 10.32 10.33 10.34 10.35 10.36 10.37 10.38 10.39 10.40

Time-->

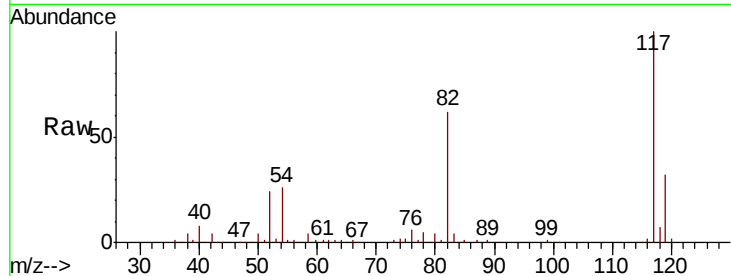




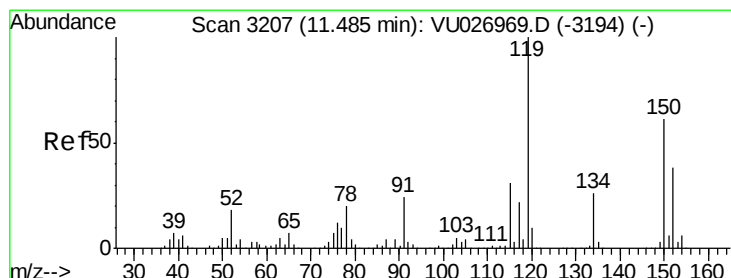
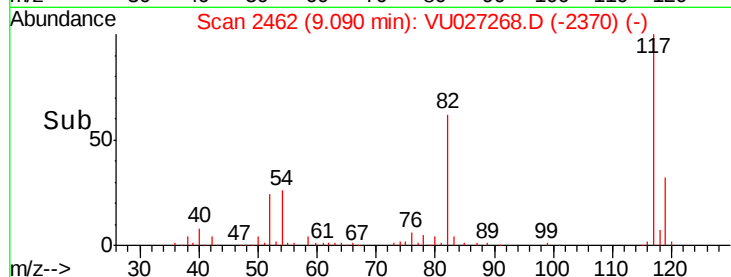
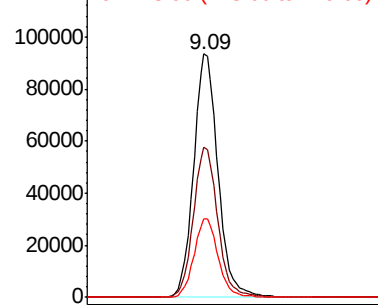
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

Tot Ion:117 Resp: 157784
Ion Ratio Lower Upper
117 100
82 61.6 48.0 72.0
119 32.0 25.8 38.8

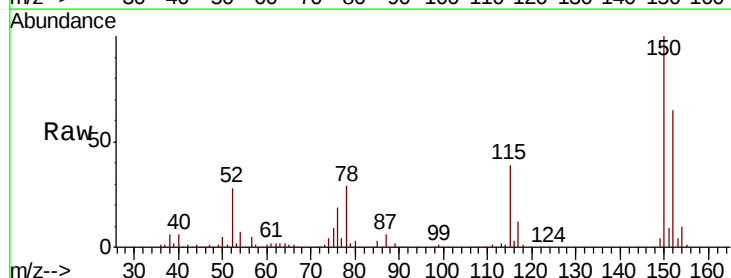


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

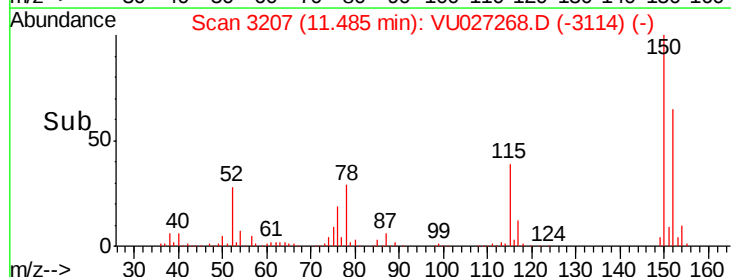
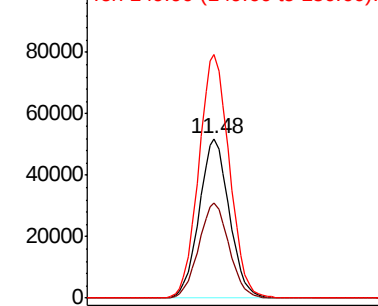


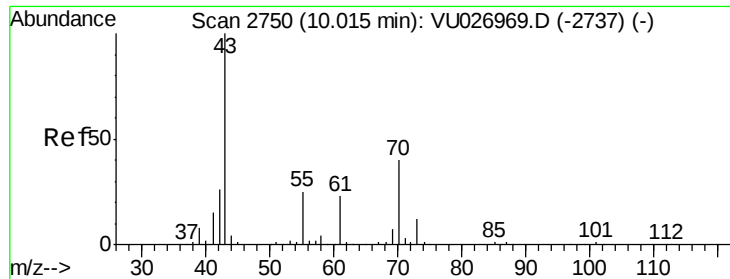
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion:152 Resp: 79351
Ion Ratio Lower Upper
152 100
115 60.4 44.9 134.5
150 155.2 0.0 355.8



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





#74

N-amvl acetate

Concen: 0.394 ug/l

RT: 10.05 min Scan# 2762

Delta R.T. 0.04 min

Lab File: VU027268.D

Acq: 28 Sep 2018 13:55

Instrument :

MSVOA_U

ClientSampleId :

FA18-E5JEB5-ER1

Tot Ion: 43 Resp: 1378

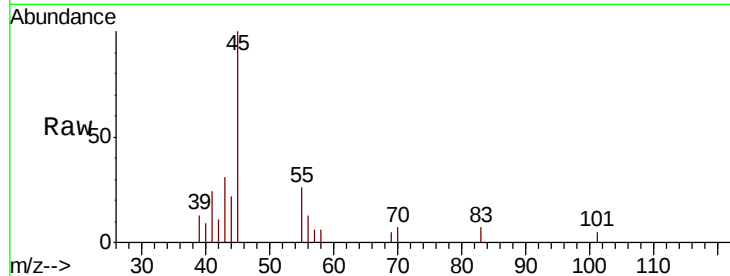
Ion Ratio Lower Upper

43 100

70 19.1 31.8 47.8#

55 85.6 19.9 29.9#

61 0.0 18.4 27.6#

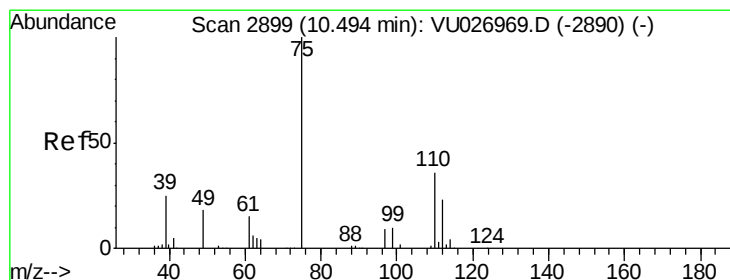
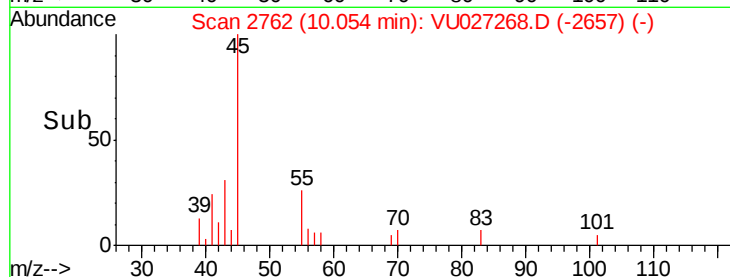
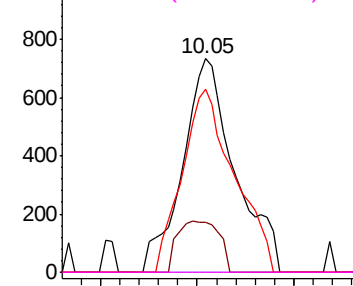


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 19.271 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027268.D

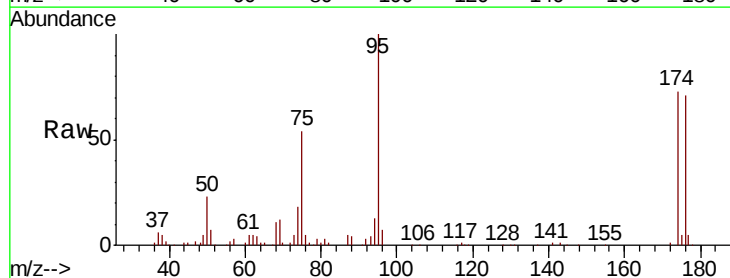
Acq: 28 Sep 2018 13:55

Tgt Ion: 75 Resp: 46456

Ion Ratio Lower Upper

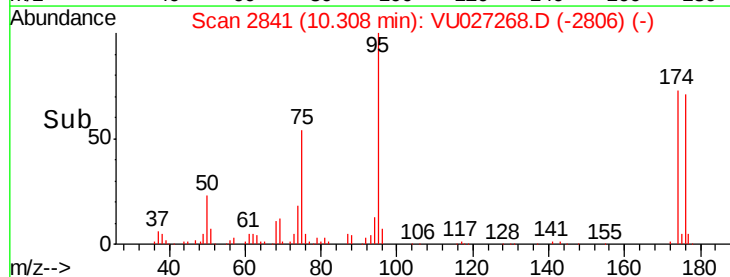
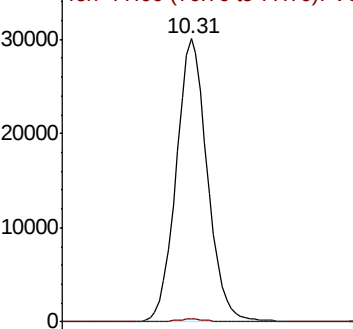
75 100

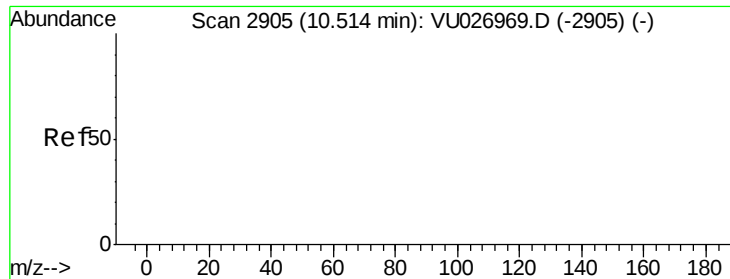
77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

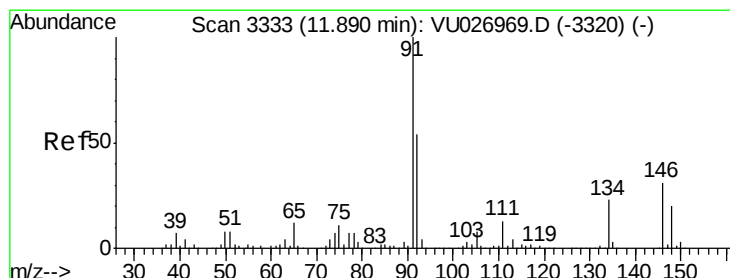
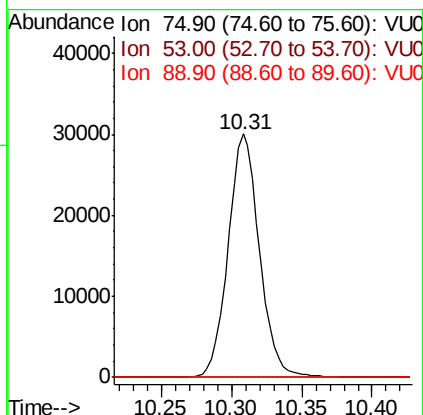
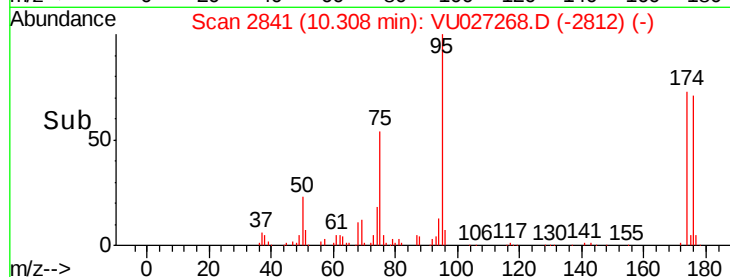
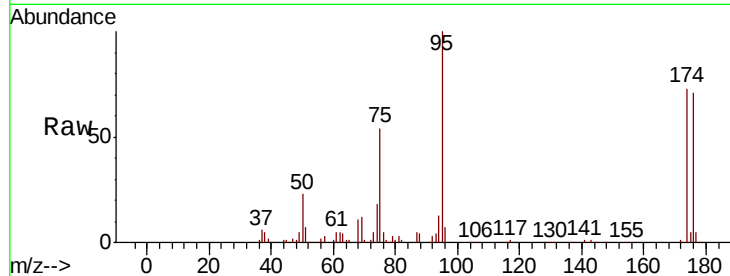




#81
trans-1,4-Dichloro-2-butene
Concen: 61.671 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

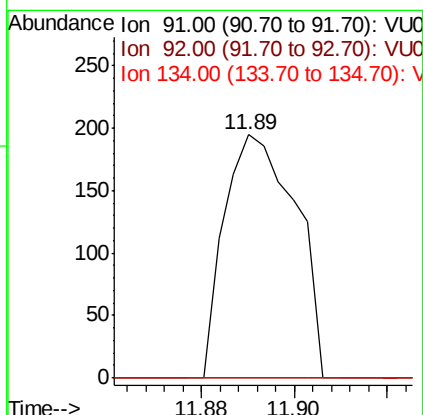
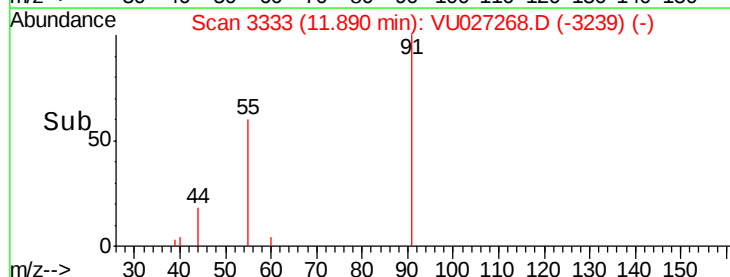
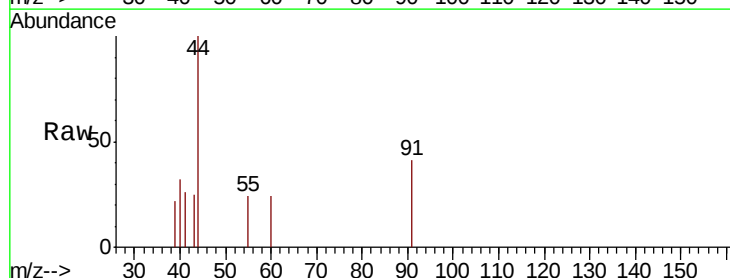
Instrument :
MSVOA_U
ClientSampleId :
FA18-E5JEB5-ER1

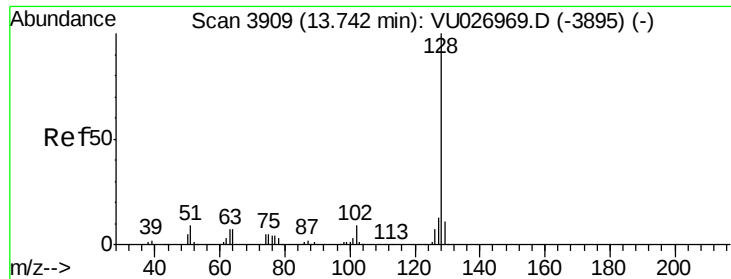
Tot Ion: 75 Resp: 46456
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.429 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027268.D
Acq: 28 Sep 2018 13:55

Tgt Ion: 91 Resp: 209
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.7 35.0#

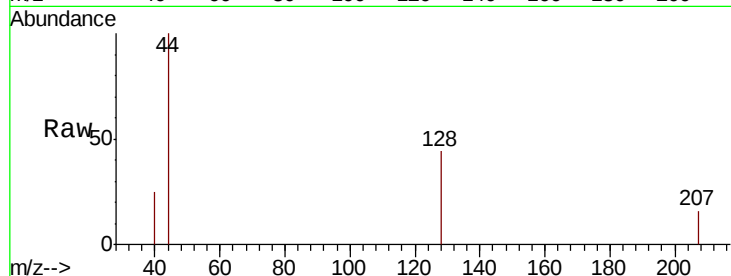




#95
 Naphthalene
 Concen: 1.761 ug/l
 RT: 13.75 min Scan# 3910
 Delta R.T. 0.00 min
 Lab File: VU027268.D
 Acq: 28 Sep 2018 13:55

Instrument :
 MSVOA_U
 ClientSampleId :
 FA18-E5JEB5-ER1

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

