

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092818\
 Data File : VU027277.D
 Acq On : 28 Sep 2018 17:25
 Operator : MD/SY
 Sample : J5041-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0249

Quant Time: Sep 29 00:07:50 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	124309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	207428	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	196312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	93412	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	115020	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
35) Dibromofluoromethane	4.88	113	82386	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
50) Toluene-d8	7.57	98	322323	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
62) 4-Bromofluorobenzene	10.31	95	107515	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	

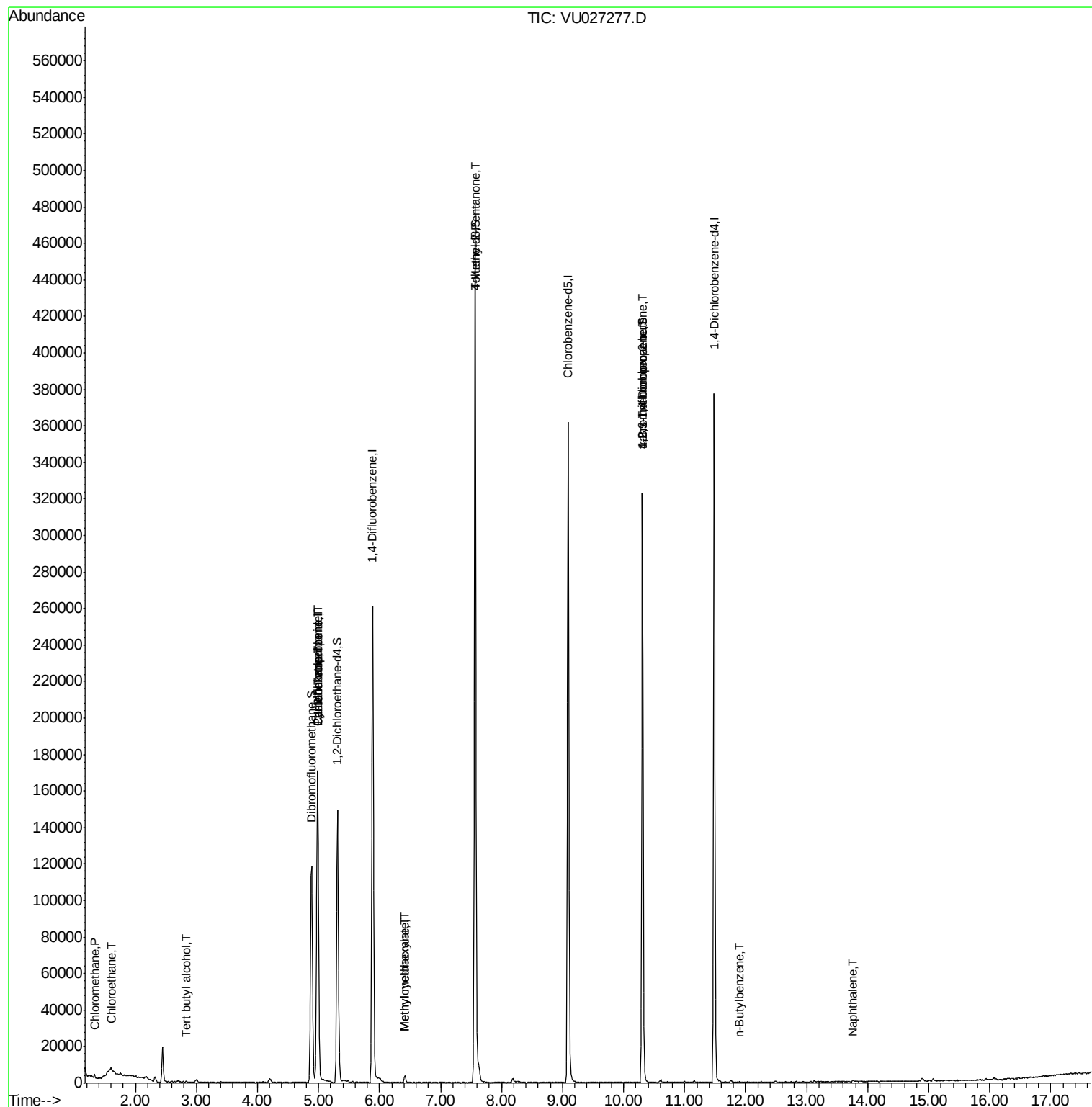
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1243	0.444	ug/l	91
6) Chloroethane	1.60	64	20115	12.053	ug/l #	53
11) Tert butyl alcohol	2.83	59	178	0.310	ug/l #	72
16) Acetone	2.32	43	3275	Below Cal		100
31) Cyclohexane	4.99	56	3925	0.483	ug/l #	9
36) 1,1-Dichloropropene	4.99	75	11098	4.009	ug/l #	49
38) Carbon Tetrachloride	4.98	117	12640	4.798	ug/l #	18
39) Methylcyclohexane	6.41	83	1618	0.538	ug/l	91
48) Methyl methacrylate	6.41	41	899	1.308	ug/l #	58
51) 4-Methyl-2-Pentanone	7.57	43	1448	0.394	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	56430	19.885	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	56430	63.635	ug/l #	100
89) n-Butylbenzene	11.90	91	40	2.398	ug/l #	33
95) Naphthalene	13.76	128	1296	1.851	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: VU027277.D

Acq: 28 Sep 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

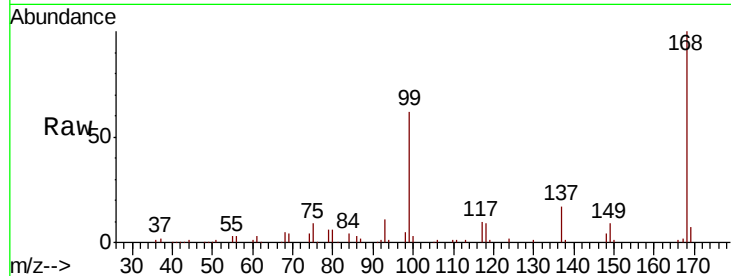
S13-0249

Tgt Ion:168 Resp: 124309

Ion Ratio Lower Upper

168 100

99 62.0 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) (-)

4.99

60000

50000

40000

30000

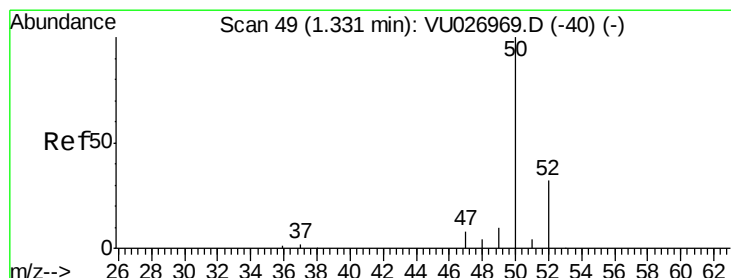
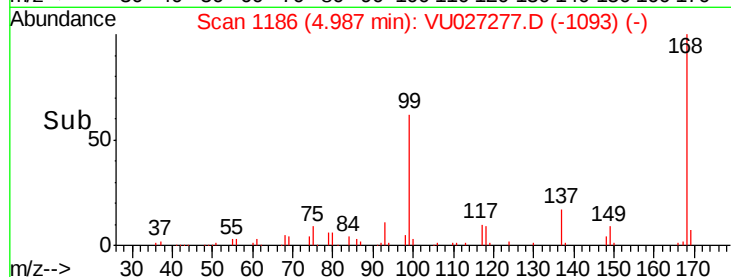
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.444 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027277.D

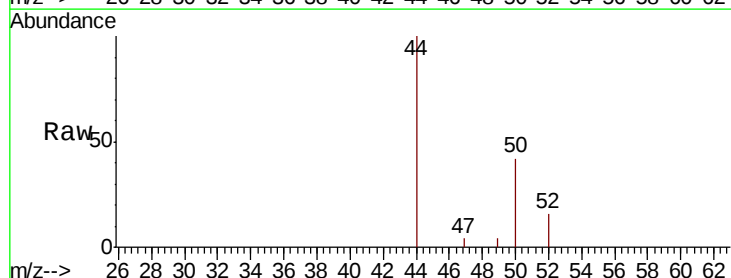
Acq: 28 Sep 2018 17:25

Tgt Ion: 50 Resp: 1243

Ion Ratio Lower Upper

50 100

52 37.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)

1.33

1500

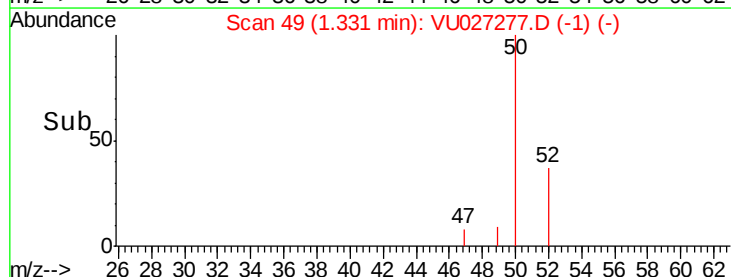
1000

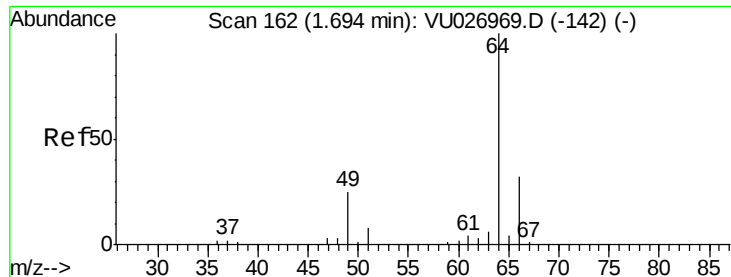
500

0

1.30 1.32 1.34 1.36

Time-->





#6

Chloroethane

Concen: 12.053 ug/l

RT: 1.60 min Scan# 133

Delta R.T. -0.09 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

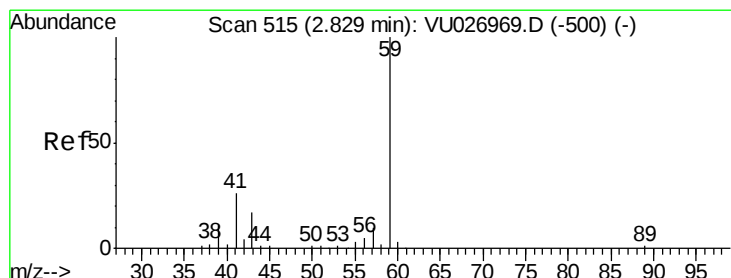
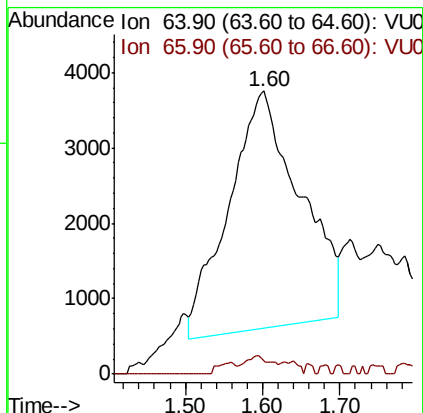
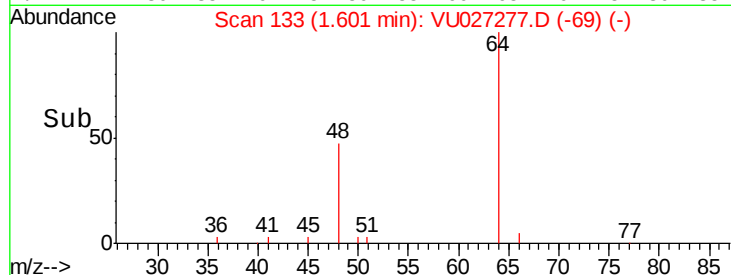
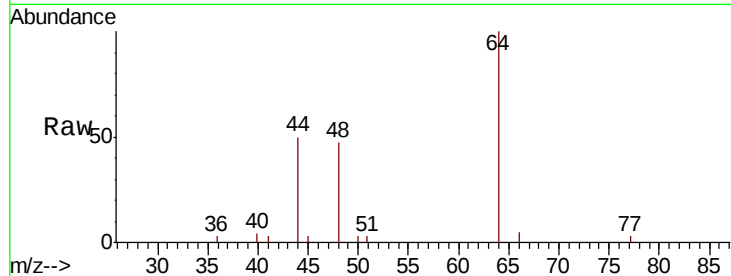
S13-0249

Tgt Ion: 64 Resp: 20115

Ion Ratio Lower Upper

64 100

66 5.6 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.310 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027277.D

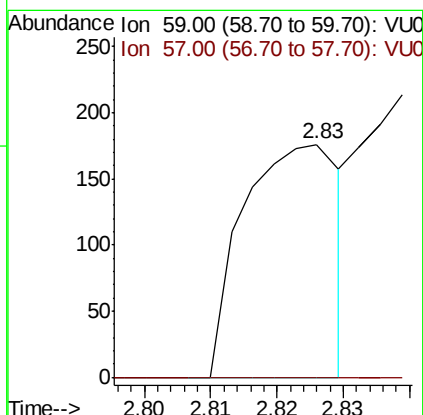
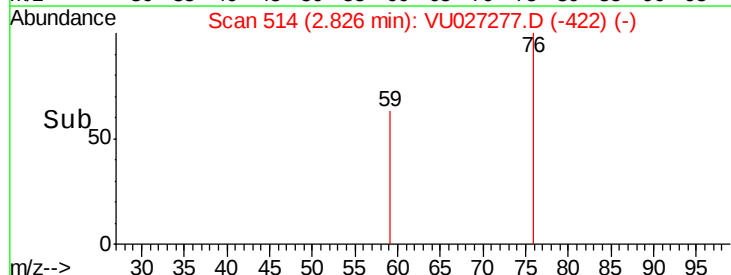
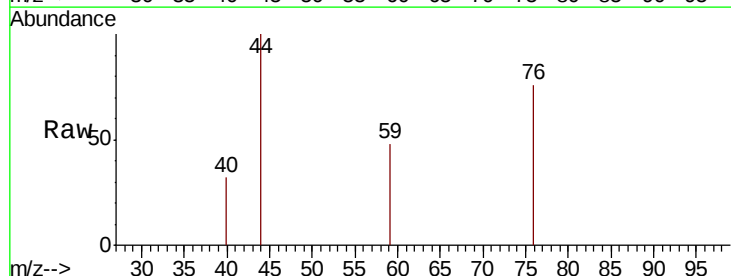
Acq: 28 Sep 2018 17:25

Tgt Ion: 59 Resp: 178

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

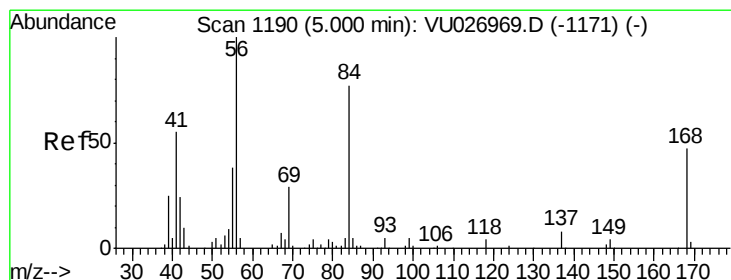
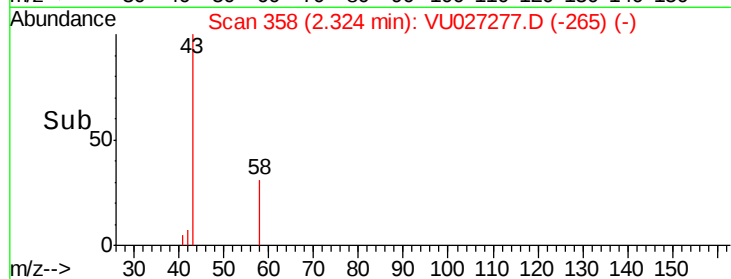
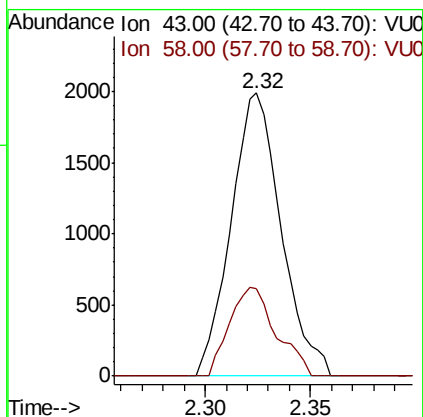
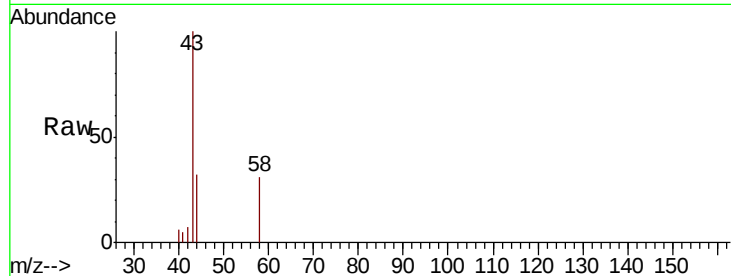




#16
Acetone
Concen: Below Cal
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

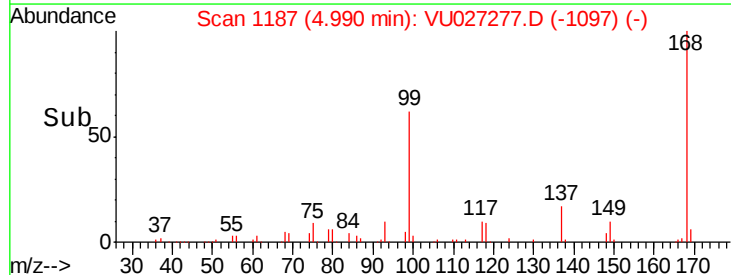
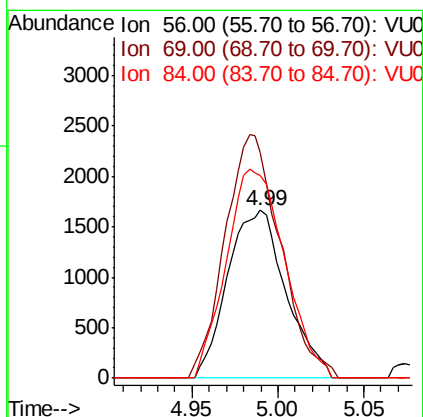
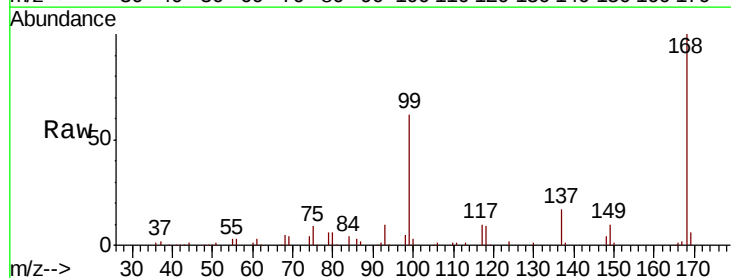
Instrument :
MSVOA_U
ClientSampleId :
S13-0249

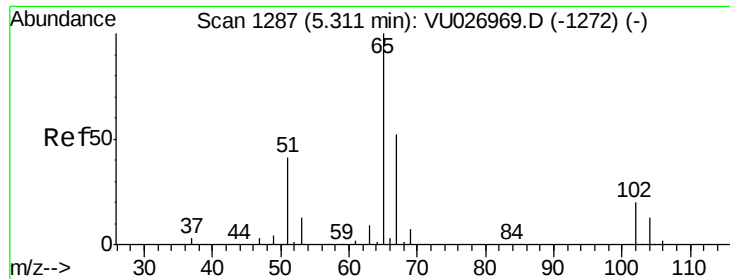
Tgt Ion: 43 Resp: 3275
Ion Ratio Lower Upper
43 100
58 30.7 24.6 36.8



#31
Cyclohexane
Concen: 0.483 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

Tgt Ion: 56 Resp: 3925
Ion Ratio Lower Upper
56 100
69 134.5 23.0 34.4#
84 120.5 61.4 92.2#

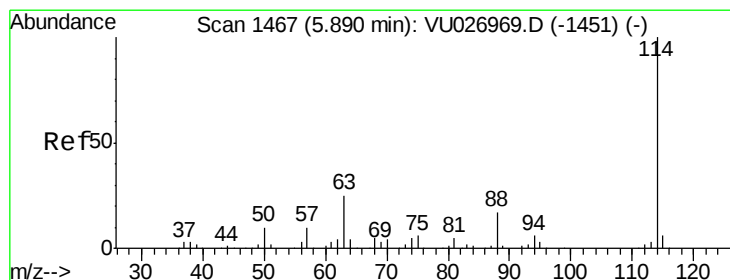
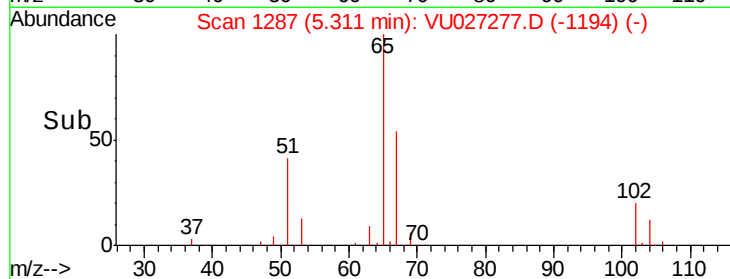
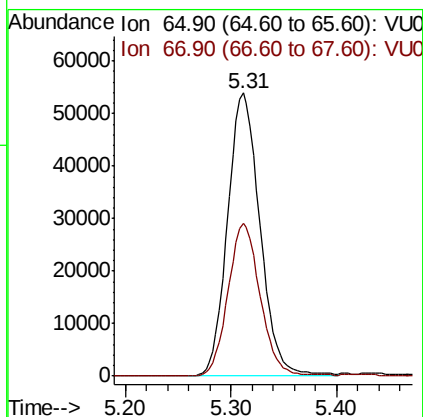
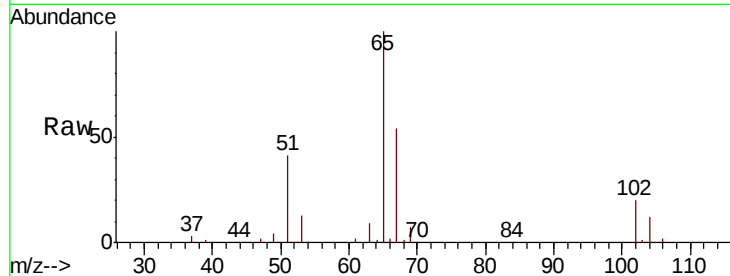




#33
 1,2-Dichloroethane-d4
 Concen: 45.973 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

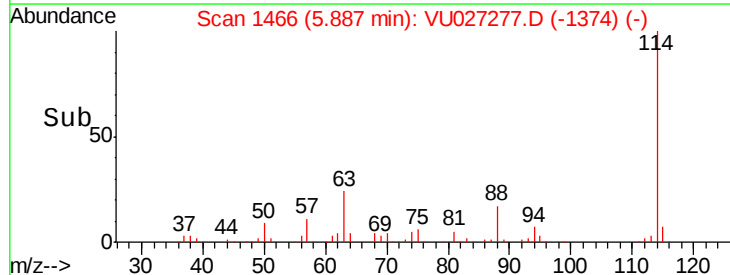
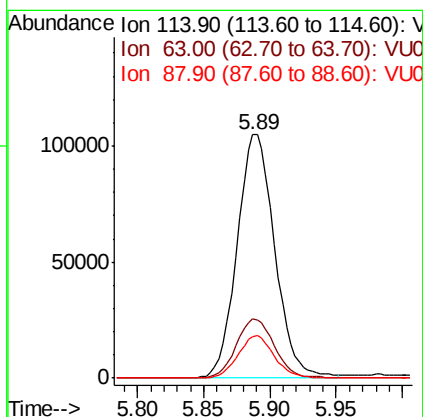
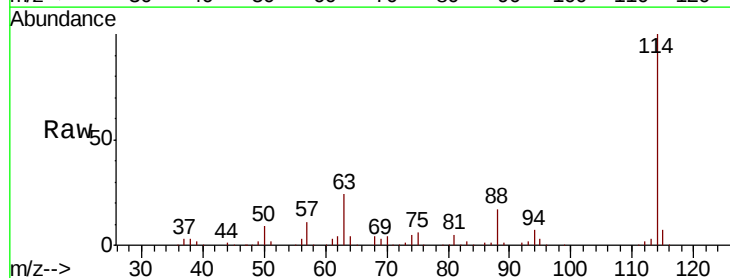
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0249

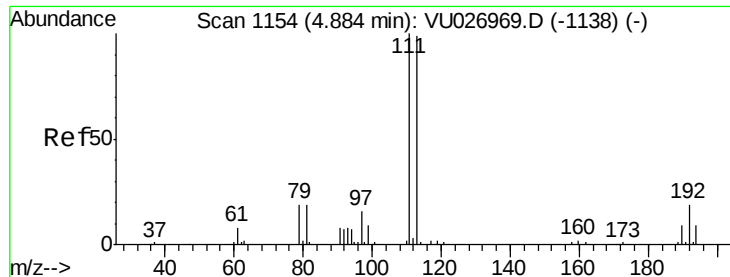
Tgt Ion: 65 Resp: 115020
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

Tgt Ion: 114 Resp: 207428
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 17.1 0.0 33.8

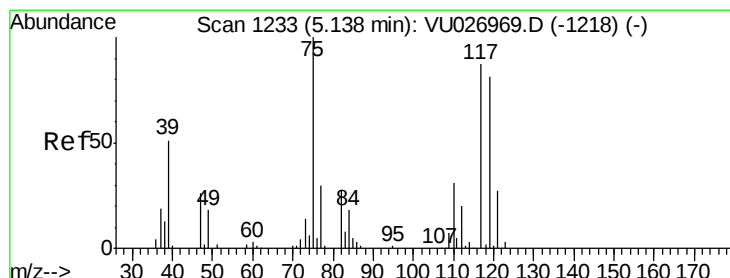
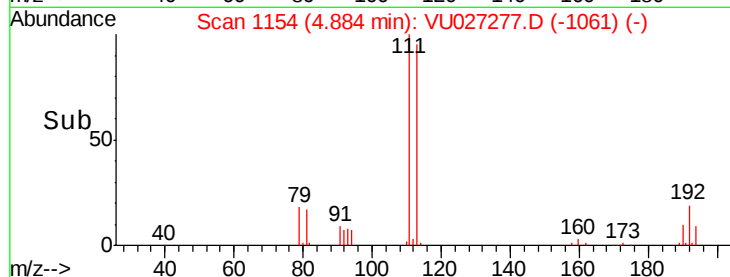
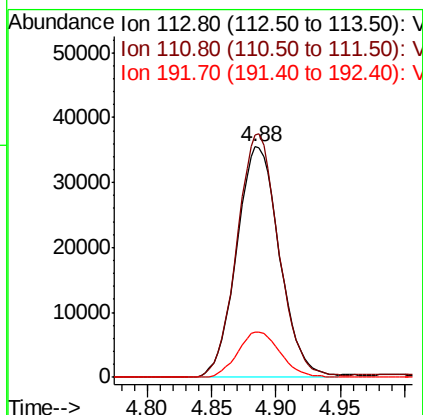
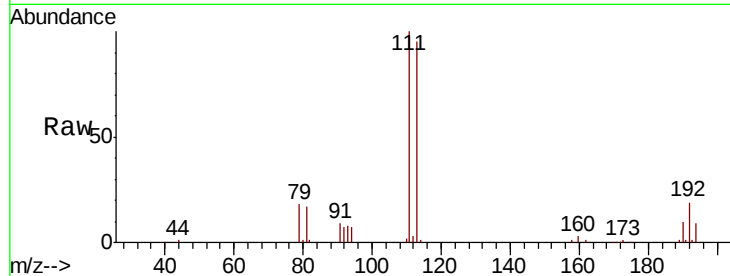




#35
 Dibromofluoromethane
 Concen: 45.821 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

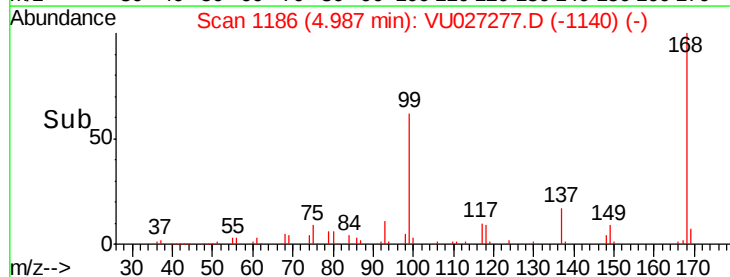
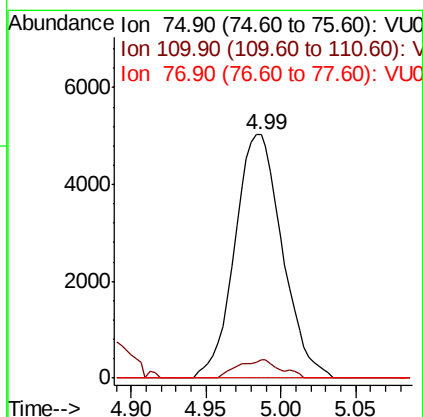
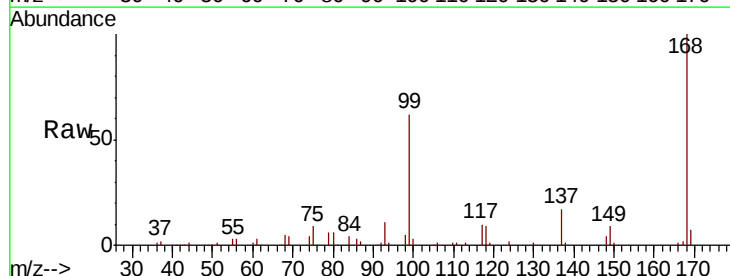
Instrument :
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 ClientSampleId :
 S13-0249

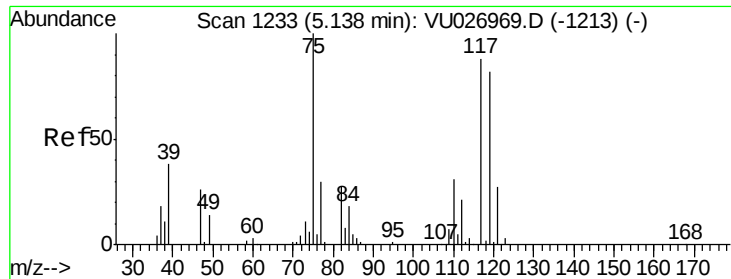
Tgt Ion: 113 Resp: 82386
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 19.5 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.009 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

Tgt Ion: 75 Resp: 11098
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.798 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

S13-0249

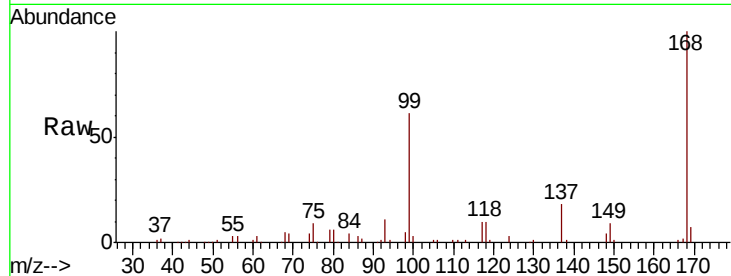
Tgt Ion:117 Resp: 12640

Ion Ratio Lower Upper

117 100

119 6.3 74.4 111.6#

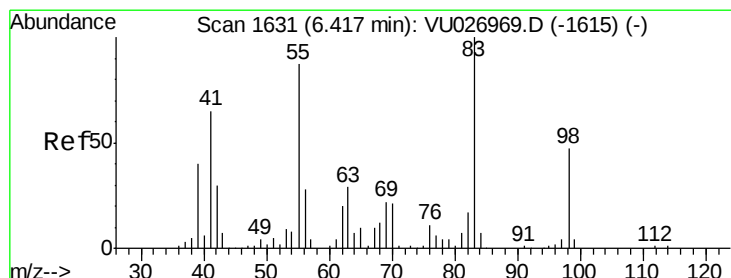
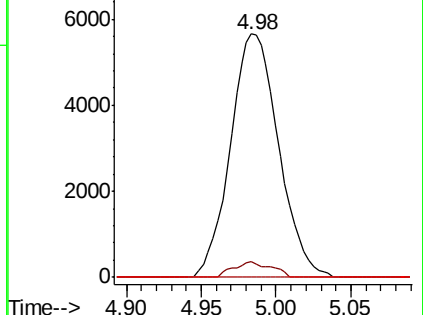
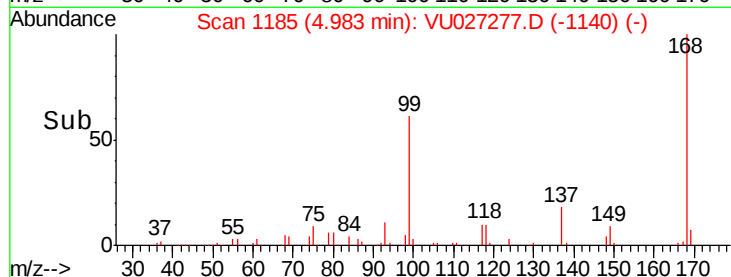
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.538 ug/l

RT: 6.41 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

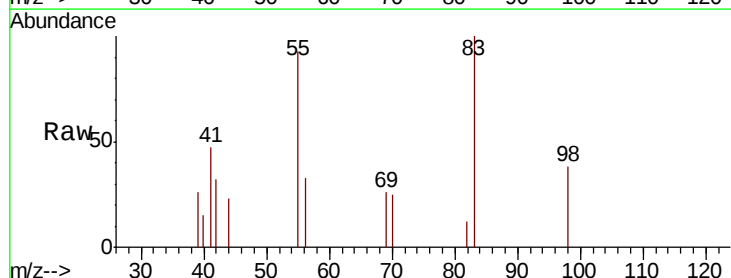
Tgt Ion: 83 Resp: 1618

Ion Ratio Lower Upper

83 100

55 93.0 69.9 104.9

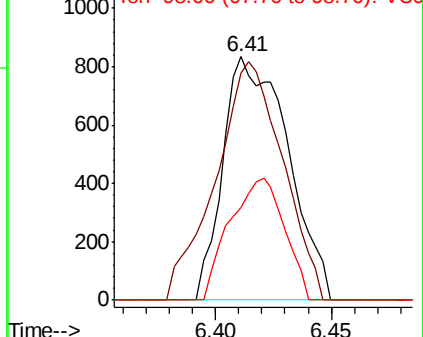
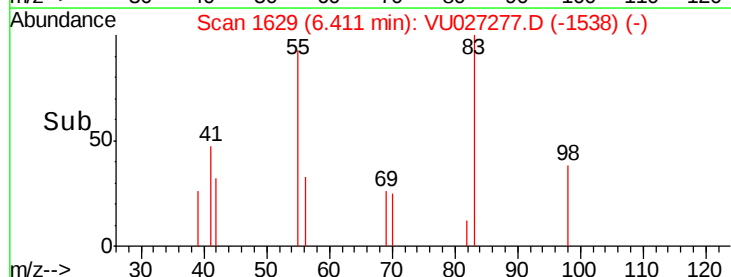
98 38.0 37.5 56.3

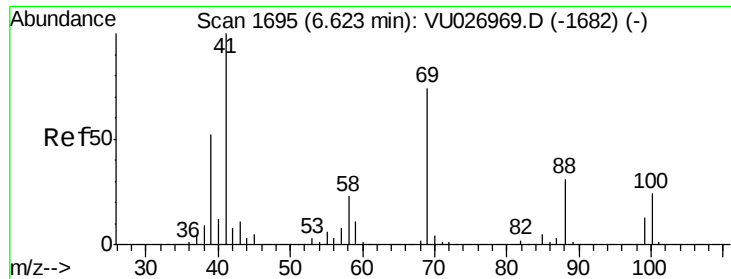


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

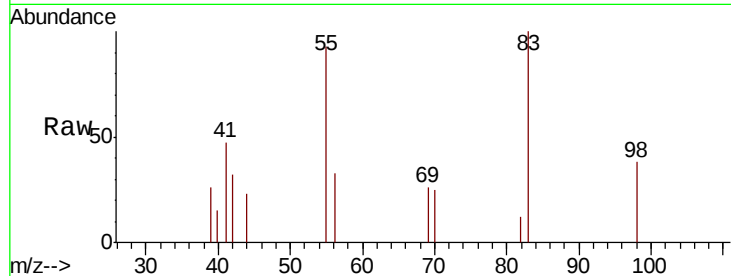




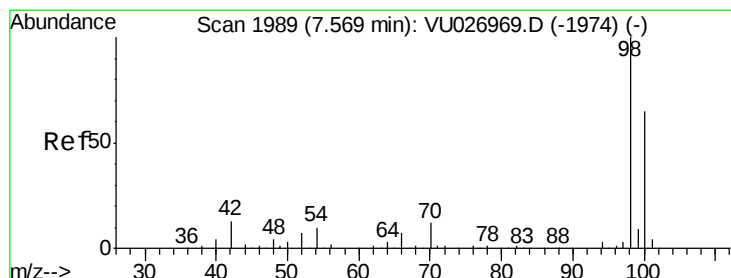
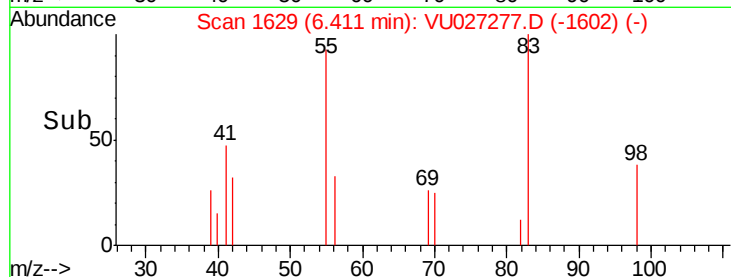
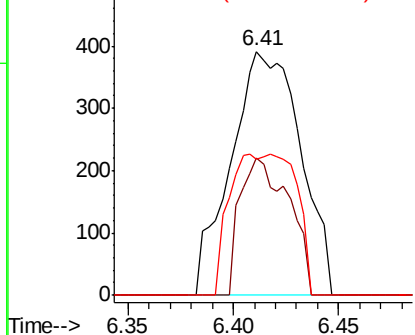
#48
Methyl methacrylate
Concen: 1.308 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.21 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

Instrument :
MSVOA_U
ClientSampleId :
S13-0249

Tgt Ion: 41 Resp: 899
Ion Ratio Lower Upper
41 100
69 39.3 60.6 90.8#
39 24.7 42.8 64.2#

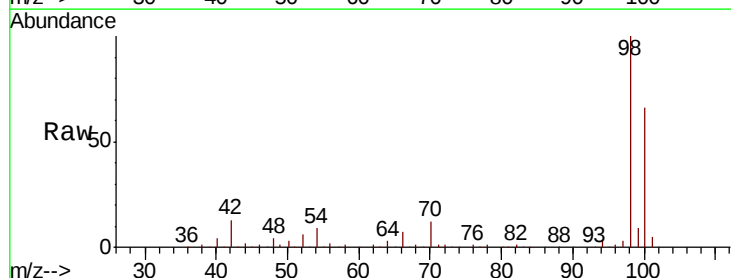


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

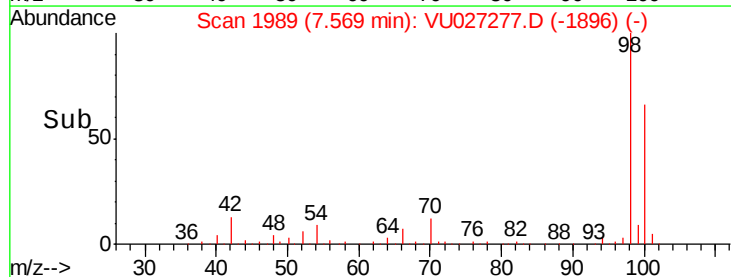
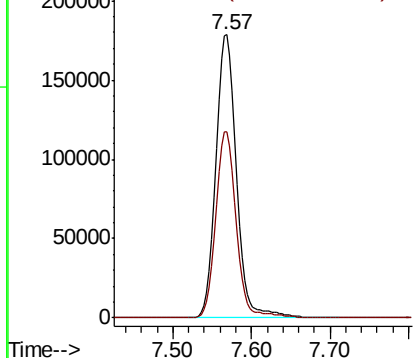


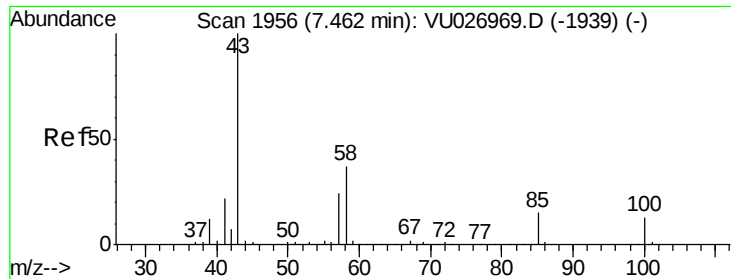
#50
Toluene-d8
Concen: 47.039 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

Tgt Ion: 98 Resp: 322323
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

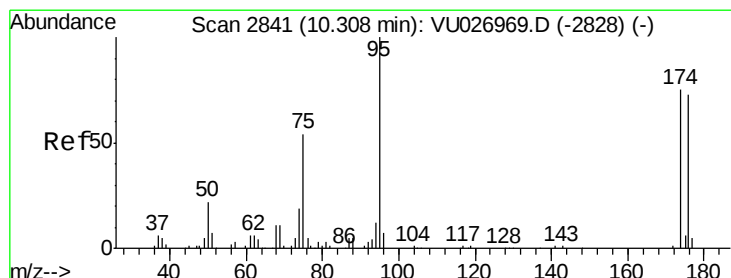
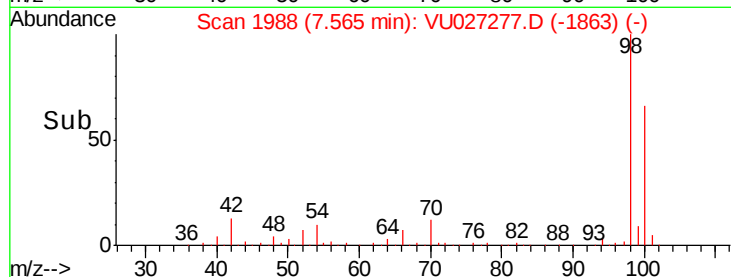
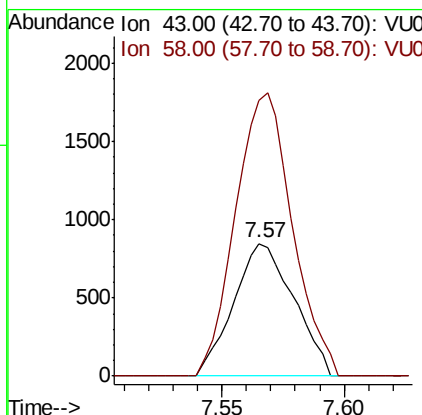
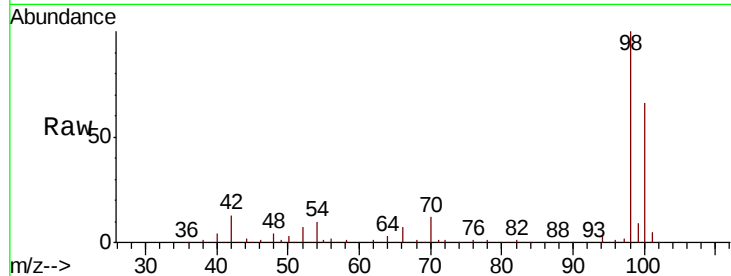




#51
 4-Methyl-2-Pentanone
 Concen: 0.394 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

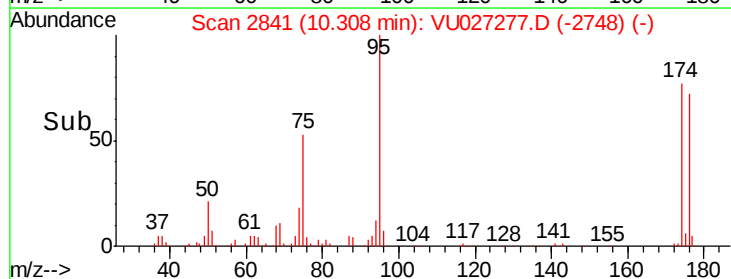
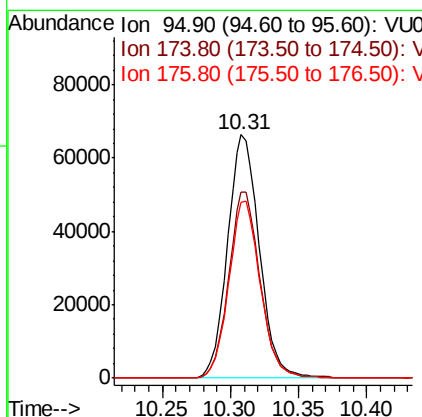
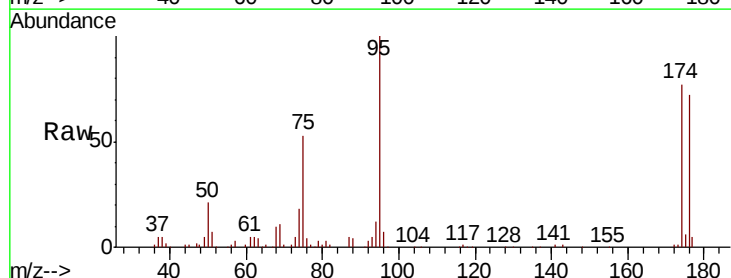
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0249

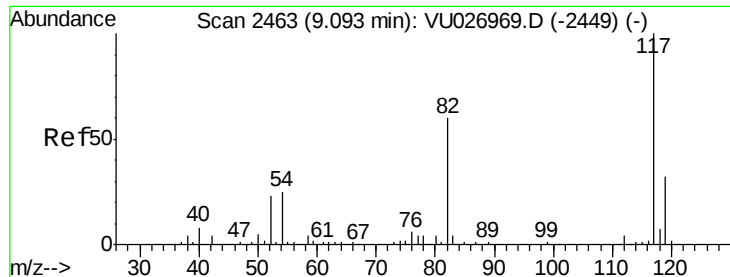
Tgt Ion: 43 Resp: 1448
 Ion Ratio Lower Upper
 43 100
 58 202.2 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 45.728 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027277.D
 Acq: 28 Sep 2018 17:25

Tgt Ion: 95 Resp: 107515
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.2
 176 72.0 0.0 145.2

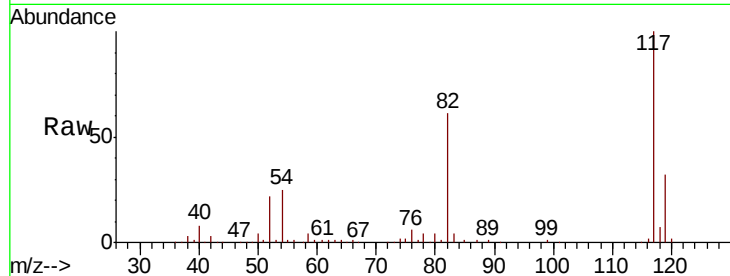




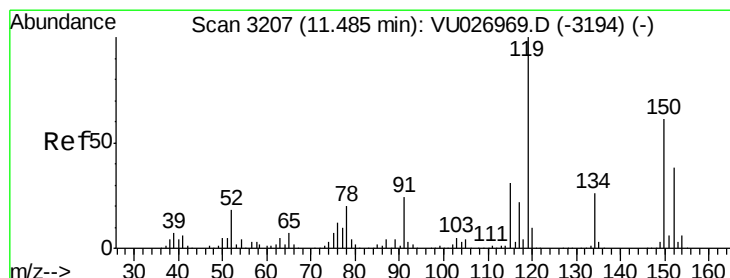
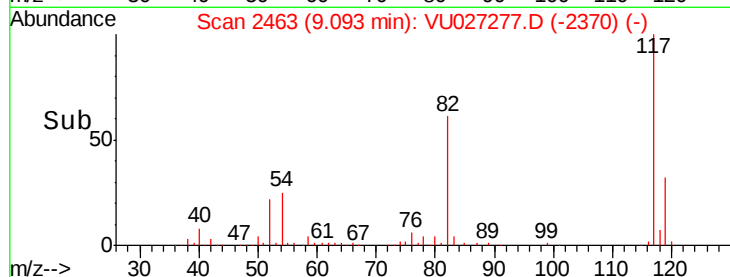
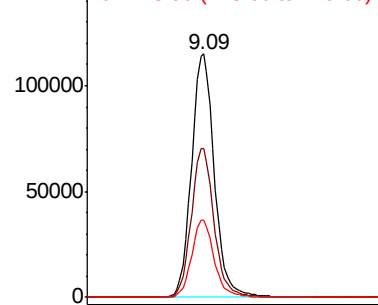
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

Instrument :
MSVOA_U
ClientSampleId :
S13-0249

Tgt Ion:117 Resp: 196312
Ion Ratio Lower Upper
117 100
82 61.1 48.0 72.0
119 31.8 25.8 38.8

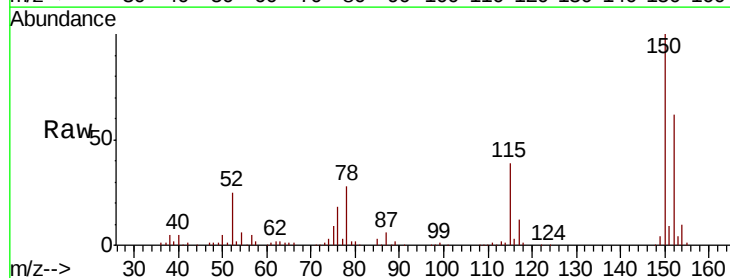


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

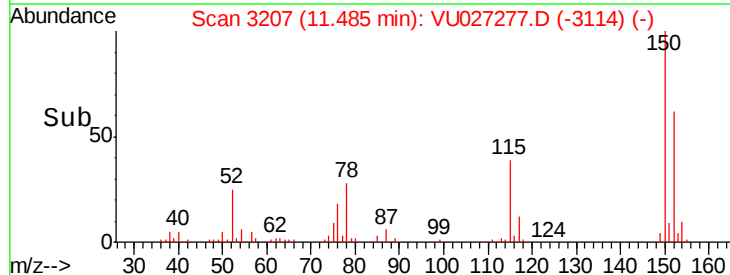
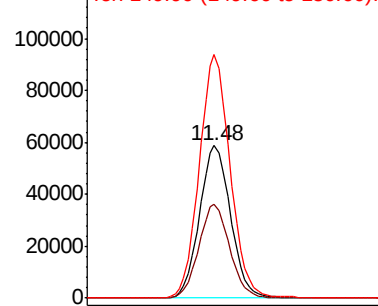


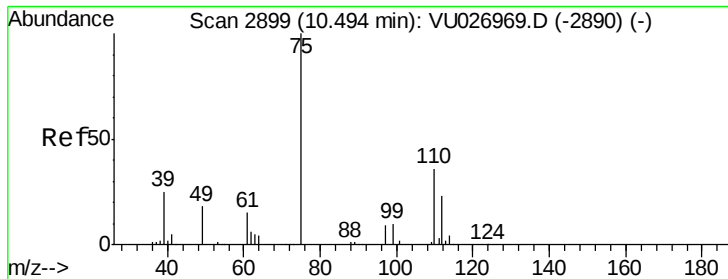
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027277.D
Acq: 28 Sep 2018 17:25

Tgt Ion:152 Resp: 93412
Ion Ratio Lower Upper
152 100
115 60.9 44.9 134.5
150 157.9 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





#76

1,2,3-Trichloropropane

Concen: 19.885 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

Instrument :

MSVOA_U

ClientSampleId :

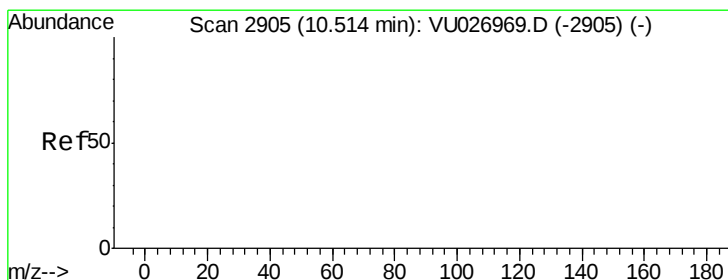
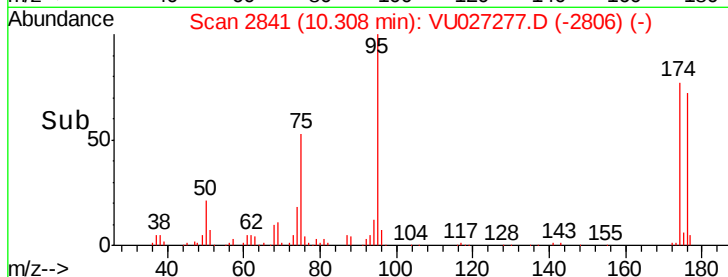
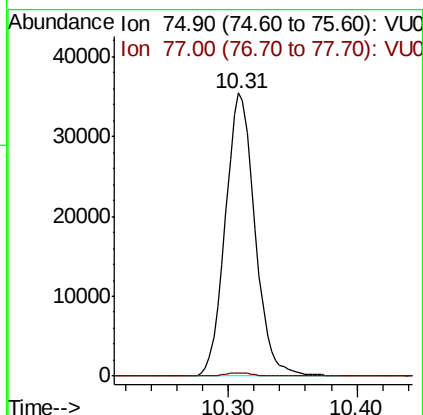
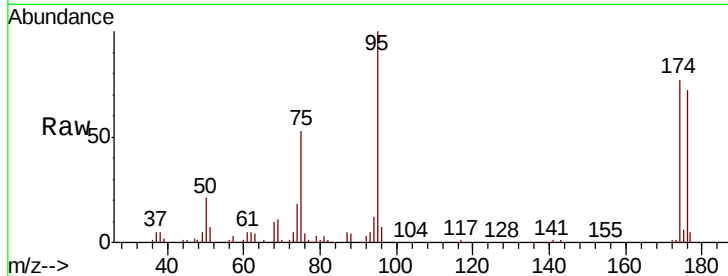
S13-0249

Tgt Ion: 75 Resp: 56430

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.635 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

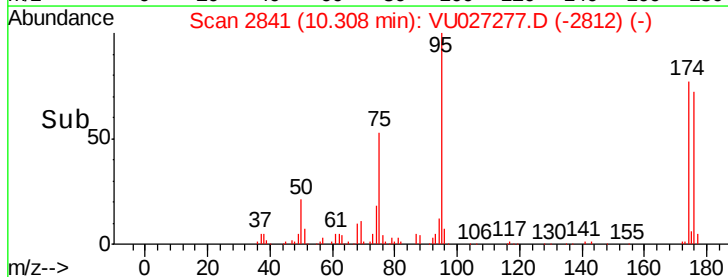
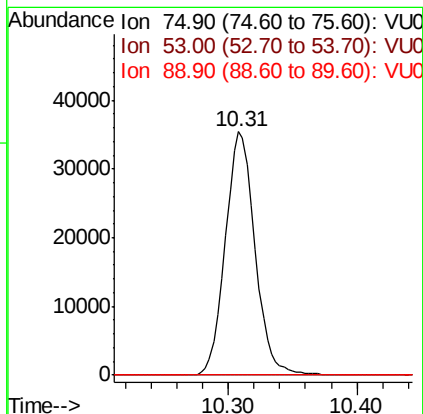
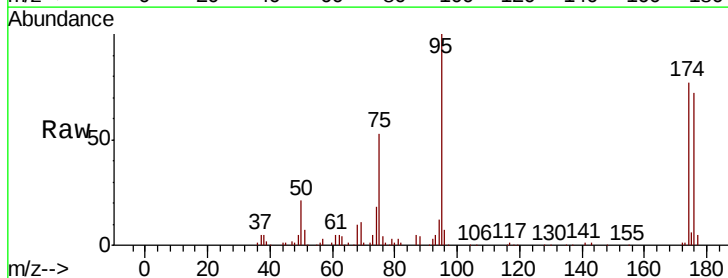
Tgt Ion: 75 Resp: 56430

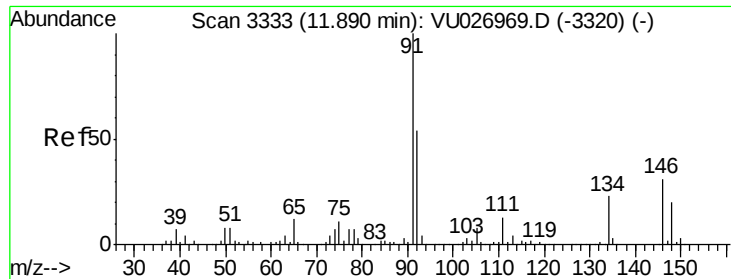
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#89

n-Butylbenzene

Concen: 2.398 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

Instrument :

MSVOA_U

ClientSampled :

S13-0249

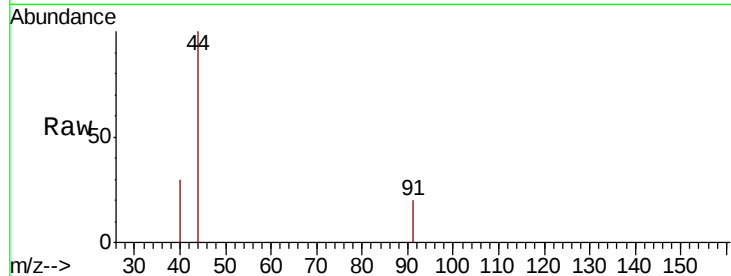
Tgt Ion: 91 Resp: 40

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->

11.89 11.90 11.91

100

50

0

11.89 11.90 11.91

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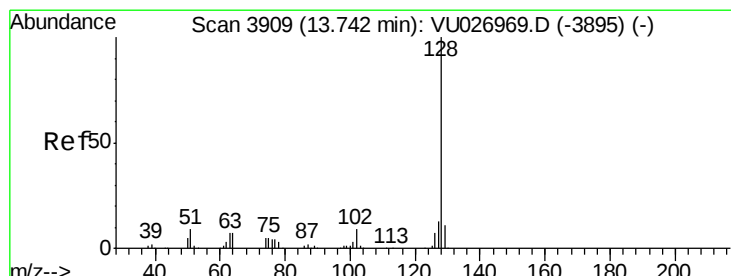
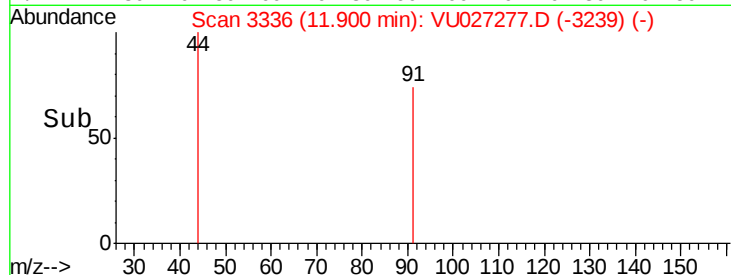
11.89 11.90 11.91

11.89 11.90 11.91

11.89 11.90 11.91

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11.89 11.90 11.91



#95

Naphthalene

Concen: 1.851 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027277.D

Acq: 28 Sep 2018 17:25

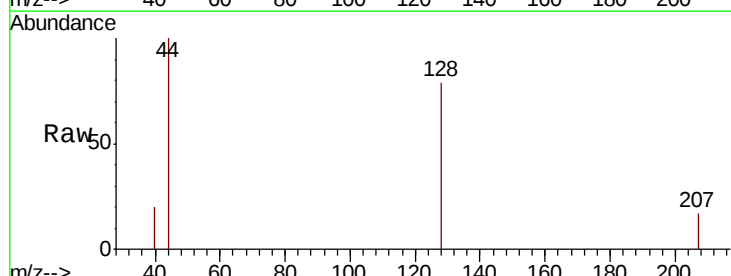
Tgt Ion: 128 Resp: 1296

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): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->

13.70 13.75 13.80

13.76

13.70 13.75 13.80

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