

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112918\
 Data File : VU028389.D
 Acq On : 29 Nov 2018 13:28
 Operator : MD/SY
 Sample : J6081-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0642

Quant Time: Nov 30 07:01:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	247812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	481012	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	450066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	198852	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	220808	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
35) Dibromofluoromethane	4.88	113	161651	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	7.57	98	636438	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	10.30	95	228089	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

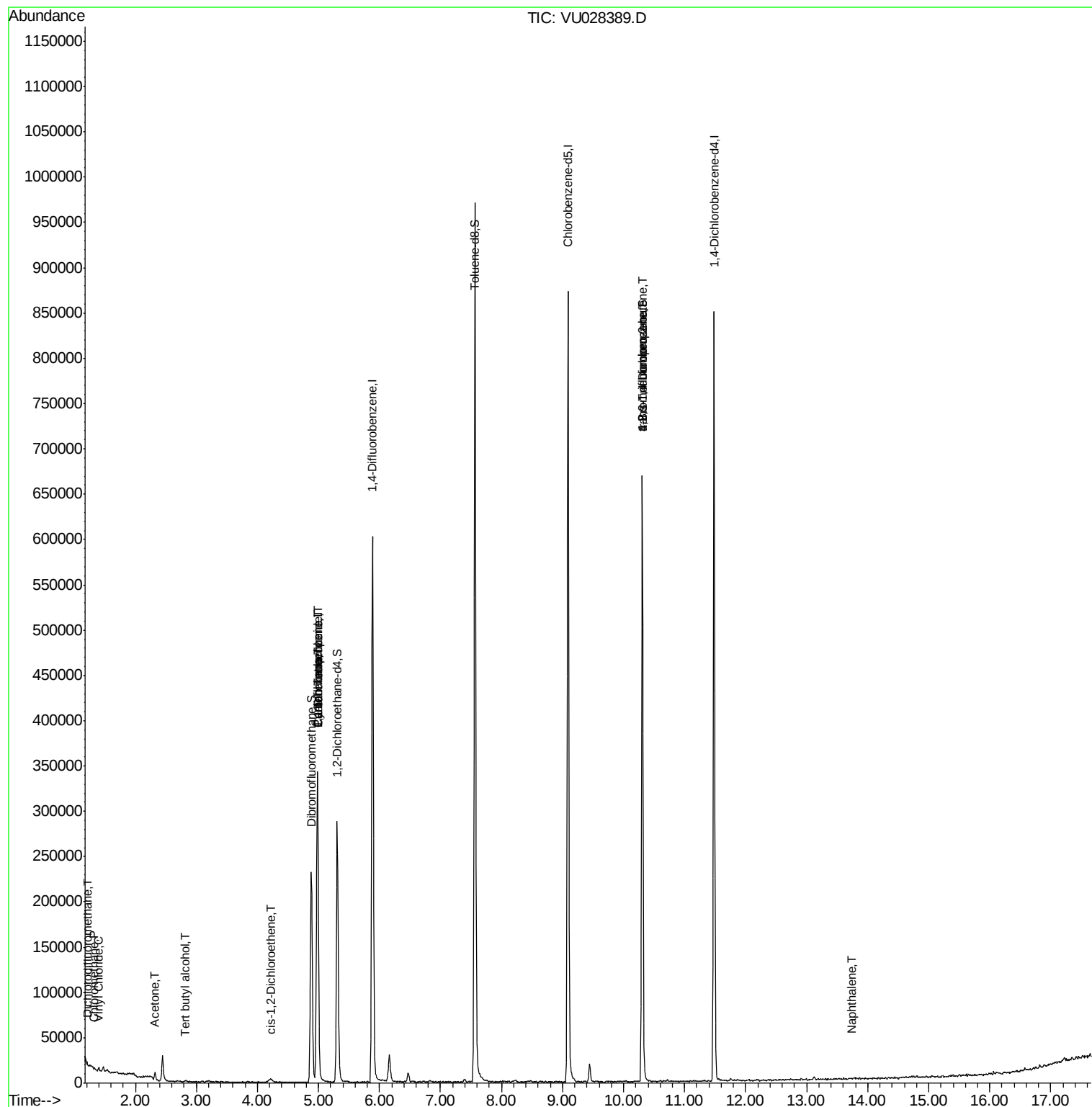
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	1722	0.518	ug/l	91
3) Chloromethane	1.33	50	1737	0.270	ug/l	91
4) Vinyl Chloride	1.40	62	1811	0.402	ug/l	91
11) Tert butyl alcohol	2.82	59	603	0.641	ug/l #	72
16) Acetone	2.32	43	10057	3.970	ug/l	94
27) cis-1,2-Dichloroethene	4.23	96	1175	0.324	ug/l	71
31) Cyclohexane	4.98	56	6192	0.517	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	23220	4.411	ug/l #	49
38) Carbon Tetrachloride	4.98	117	25375	5.871	ug/l #	15
76) 1,2,3-Trichloropropane	10.31	75	122548	22.224	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.31	75	122548	58.992	ug/l #	100
95) Naphthalene	13.74	128	112	2.842	ug/l #	18

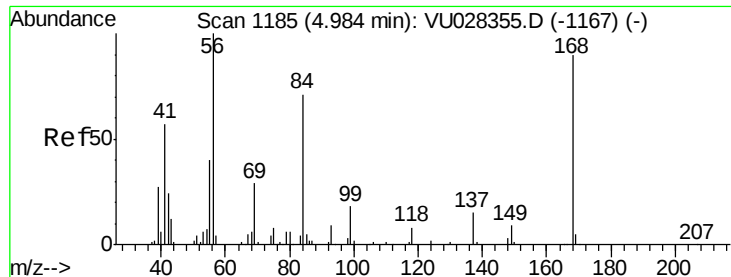
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 07:01:59 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

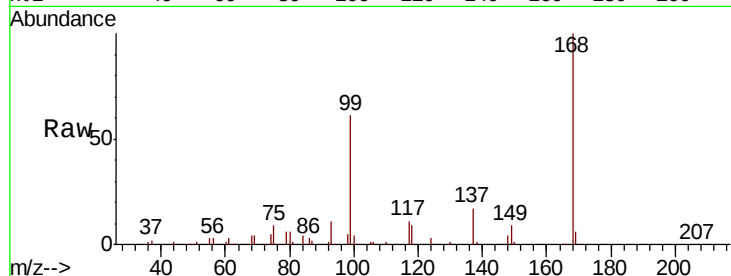
S32-0642

Tot Ion:168 Resp: 247812

Ion Ratio Lower Upper

168 100

99 61.1 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

120000

100000

80000

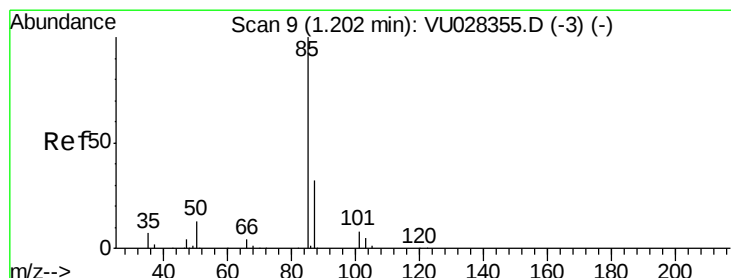
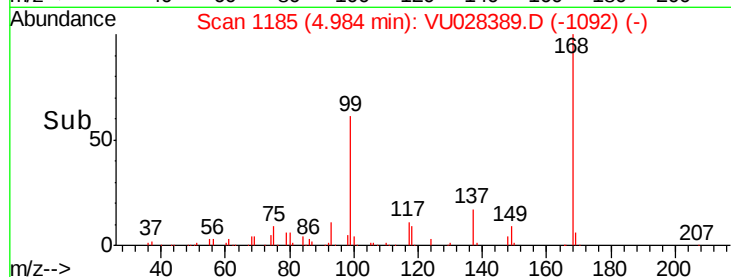
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.518 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.01 min

Lab File: VU028389.D

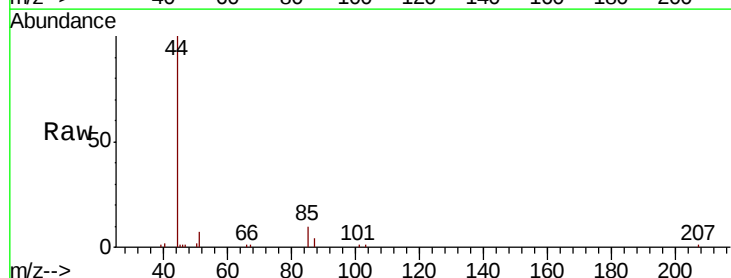
Acq: 29 Nov 2018 13:28

Tgt Ion: 85 Resp: 1722

Ion Ratio Lower Upper

85 100

87 36.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

2000

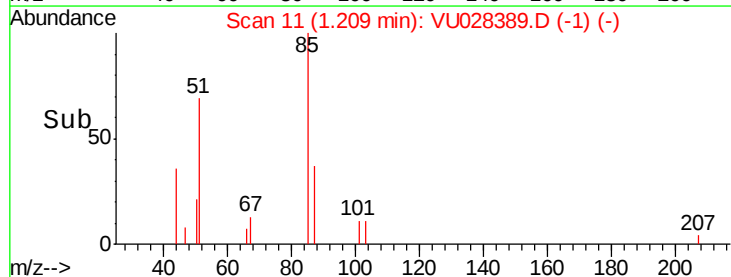
1500

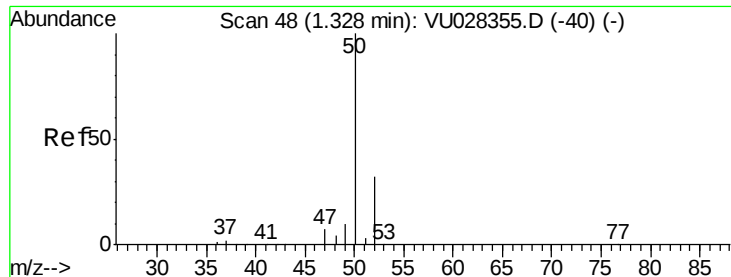
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.270 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

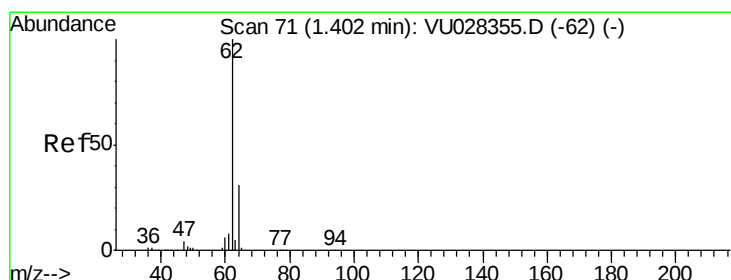
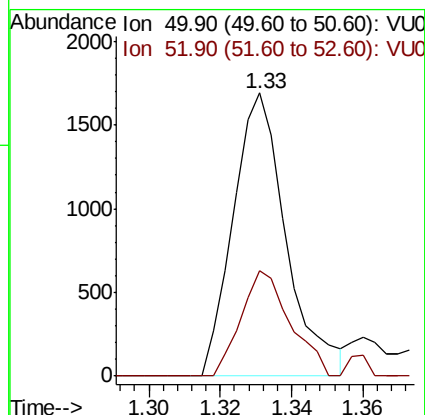
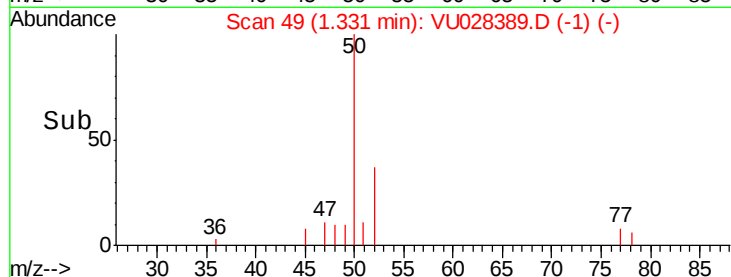
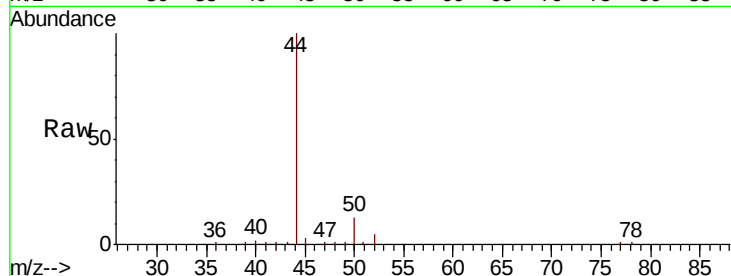
S32-0642

Tot Ion: 50 Resp: 1737

Ion Ratio Lower Upper

50 100

52 37.1 25.4 38.2



#4

Vinyl Chloride

Concen: 0.402 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028389.D

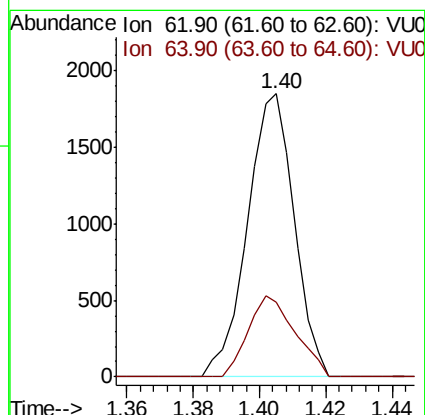
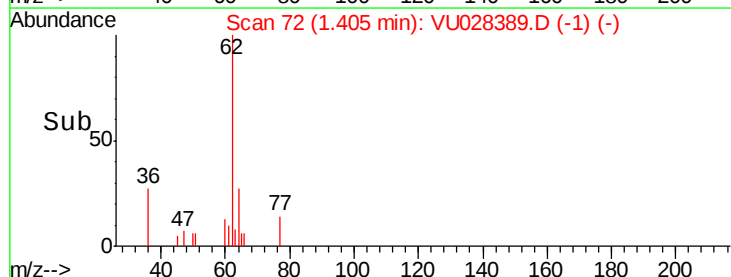
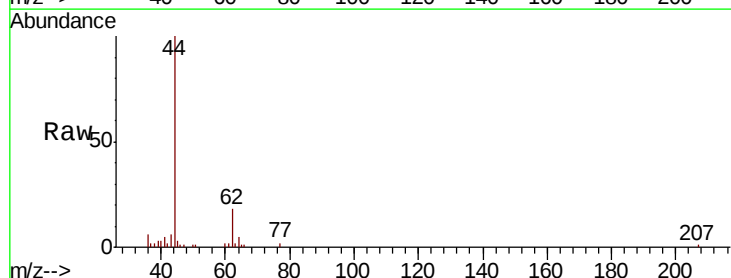
Acq: 29 Nov 2018 13:28

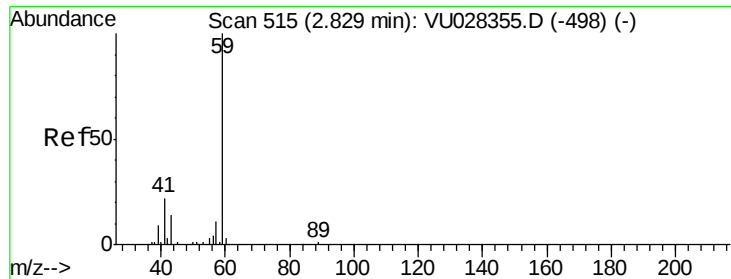
Tgt Ion: 62 Resp: 1811

Ion Ratio Lower Upper

62 100

64 26.5 25.0 37.4

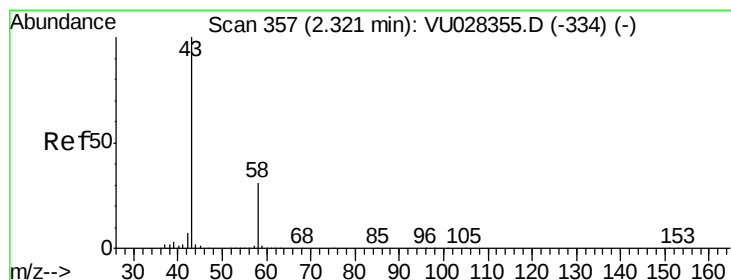
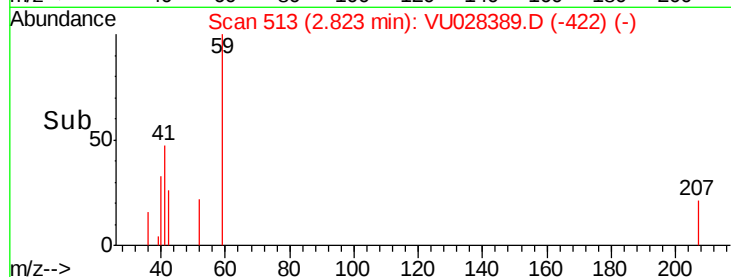
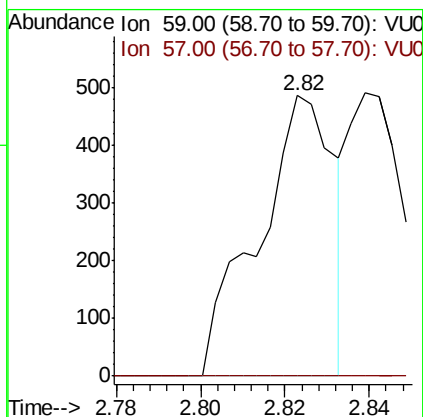
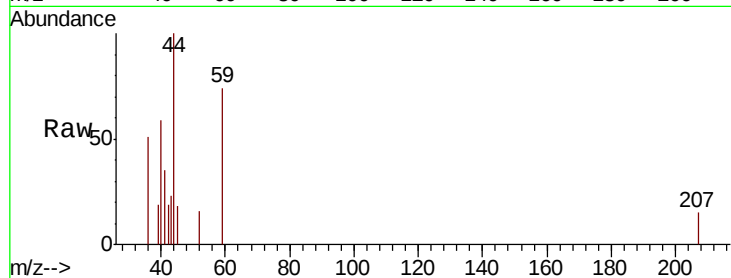




#11
Tert butyl alcohol
Concen: 0.641 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028389.D
Acq: 29 Nov 2018 13:28

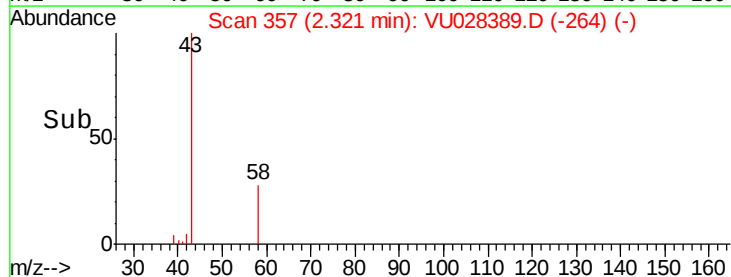
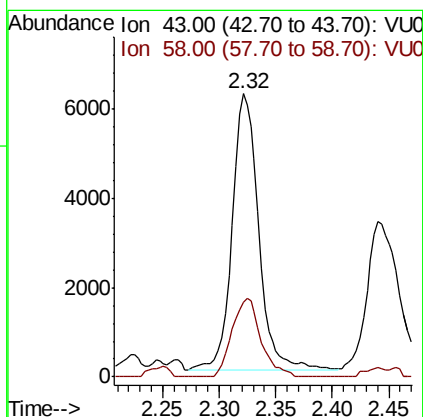
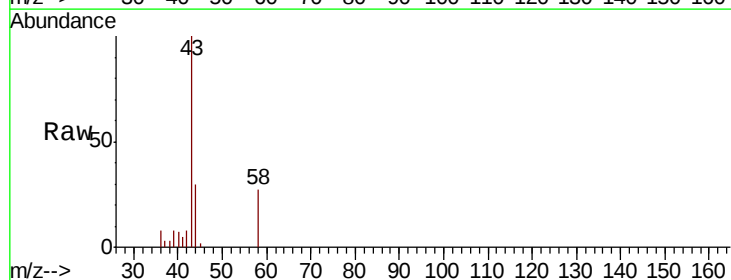
Instrument :
MSVOA_U
ClientSampled :
S32-0642

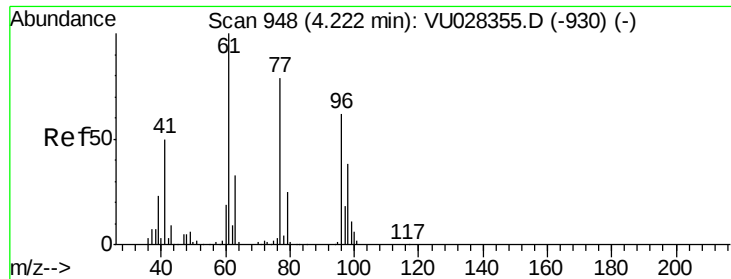
Tot Ion: 59 Resp: 603
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.970 ug/l
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU028389.D
Acq: 29 Nov 2018 13:28

Tgt Ion: 43 Resp: 10057
Ion Ratio Lower Upper
43 100
58 27.3 24.4 36.6



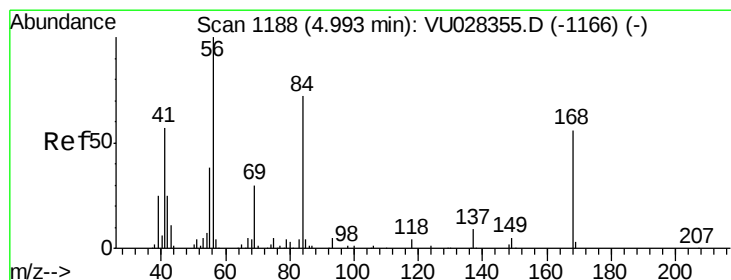
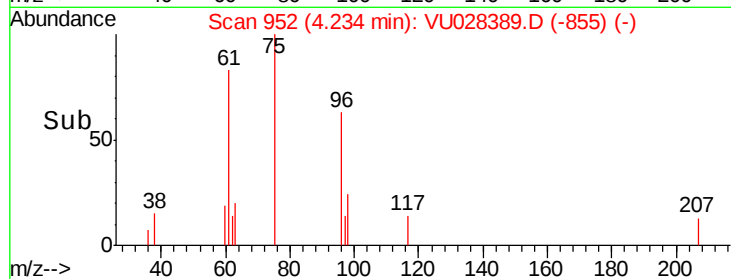
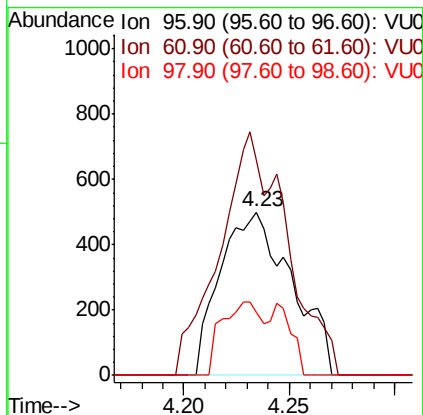
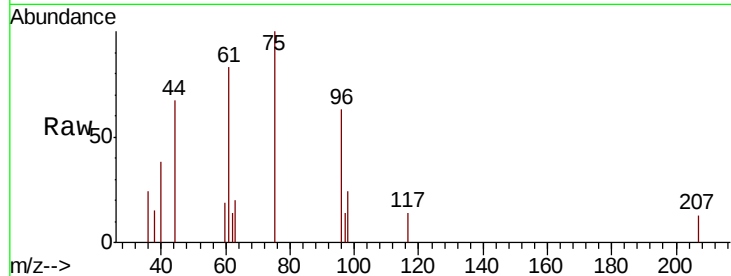


#27

cis-1,2-Dichloroethene
 Concen: 0.324 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.01 min
 Lab File: VU028389.D
 Acq: 29 Nov 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0642

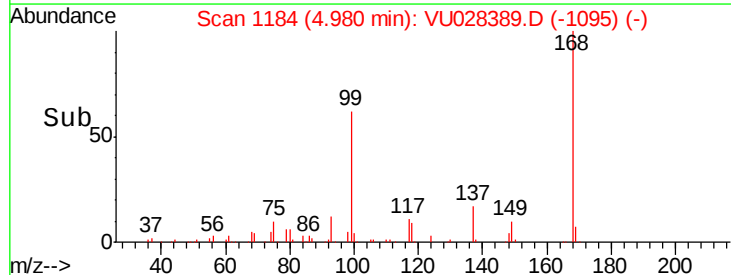
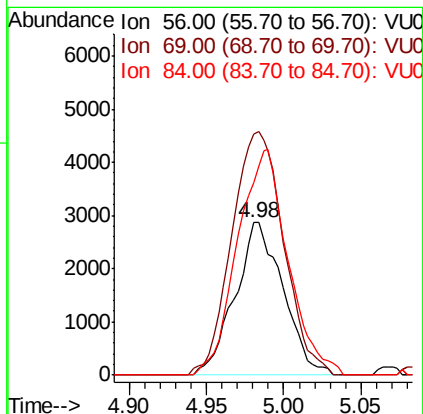
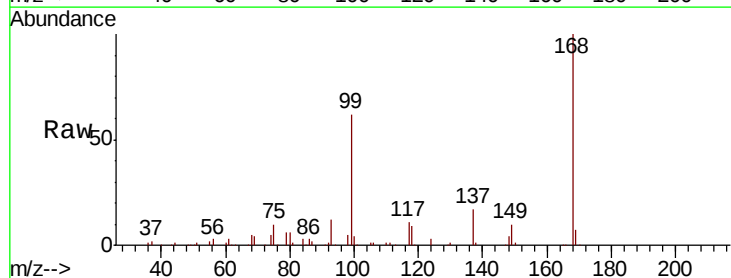
Tot Ion: 96 Resp: 1175
 Ion Ratio Lower Upper
 96 100
 61 140.8 0.0 342.0
 98 24.6 0.0 126.4

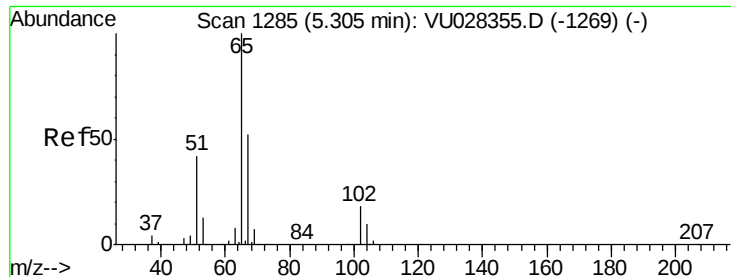


#31

Cyclohexane
 Concen: 0.517 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VU028389.D
 Acq: 29 Nov 2018 13:28

Tgt Ion: 56 Resp: 6192
 Ion Ratio Lower Upper
 56 100
 69 158.1 23.7 35.5#
 84 126.2 57.3 85.9#

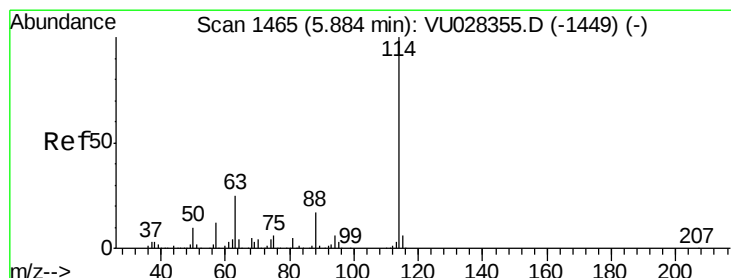
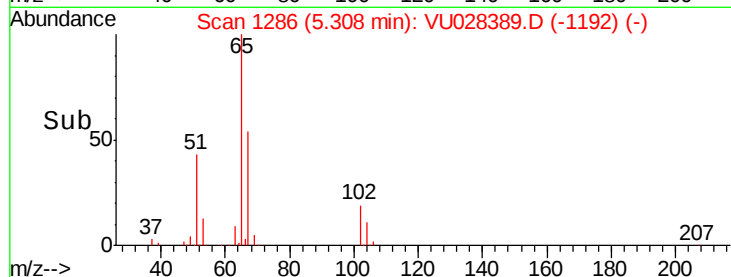
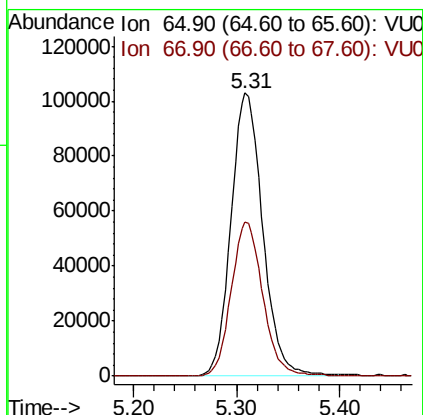
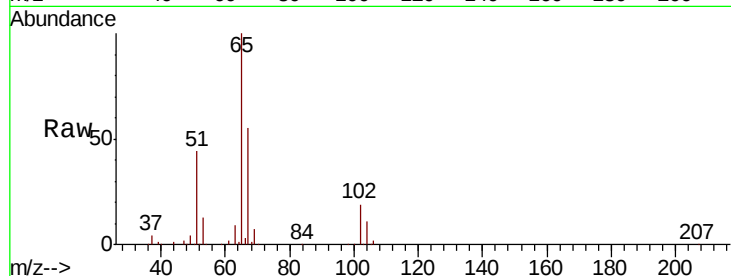




#33
 1,2-Dichloroethane-d4
 Concen: 53.315 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028389.D
 Acq: 29 Nov 2018 13:28

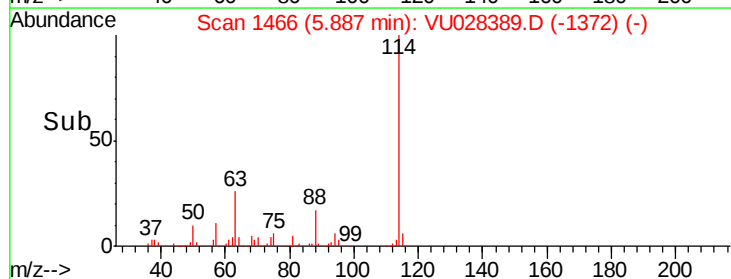
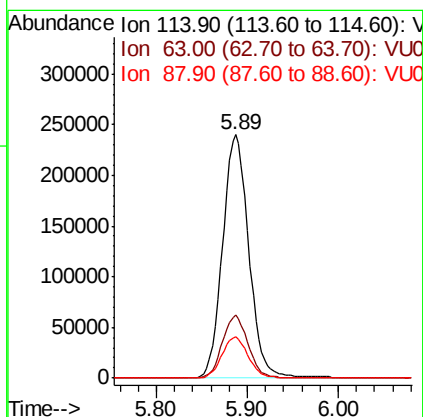
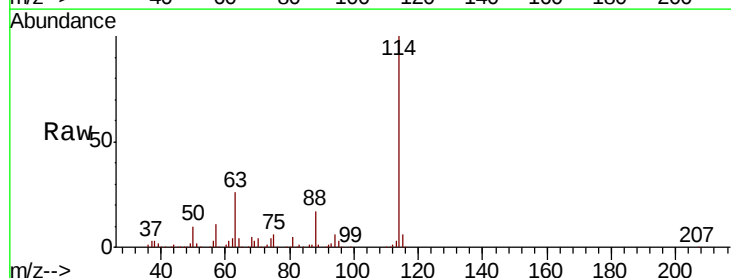
Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0642

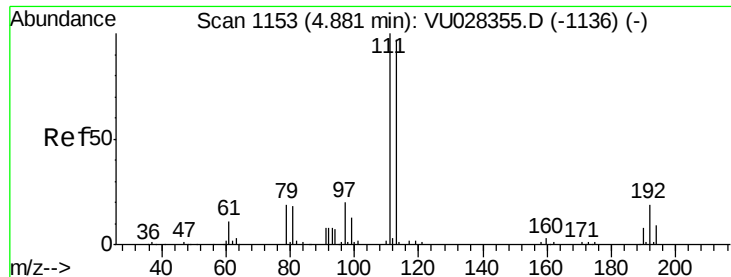
Tot Ion: 65 Resp: 220808
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028389.D
 Acq: 29 Nov 2018 13:28

Tgt Ion: 114 Resp: 481012
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 50.0
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.539 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

S32-0642

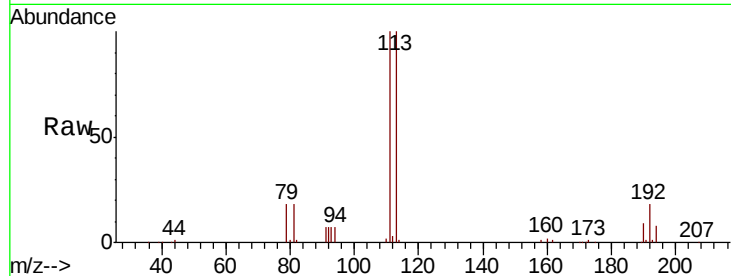
Tot Ion:113 Resp: 161651

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

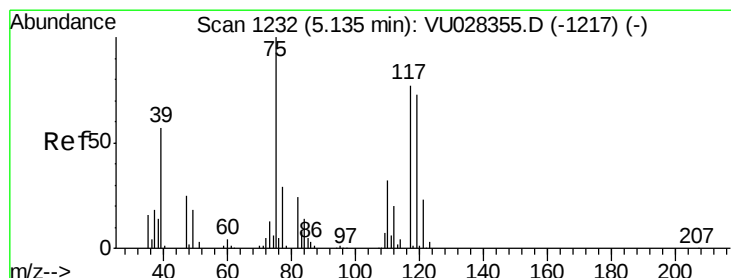
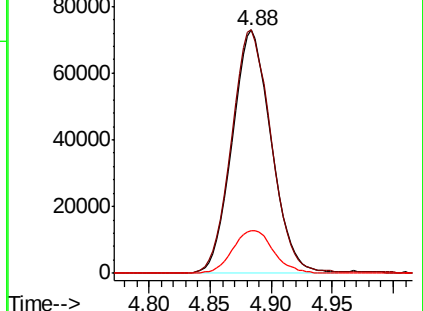
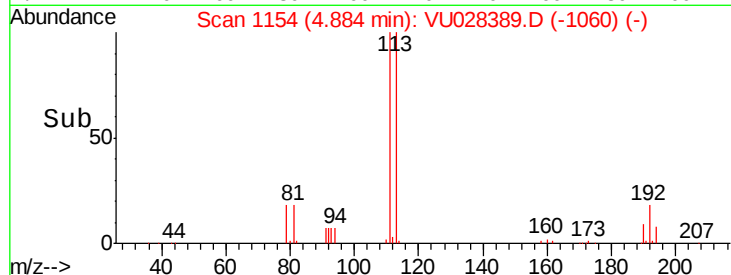
192 18.4 15.4 23.0



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: 4.411 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

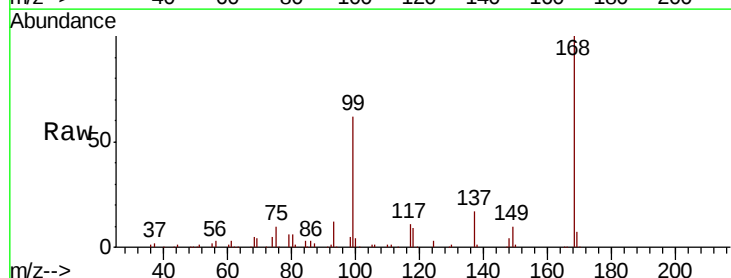
Tgt Ion: 75 Resp: 23220

Ion Ratio Lower Upper

75 100

110 6.5 15.8 47.4#

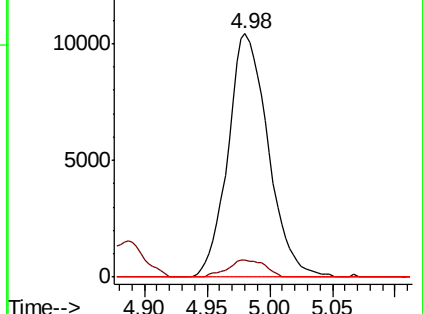
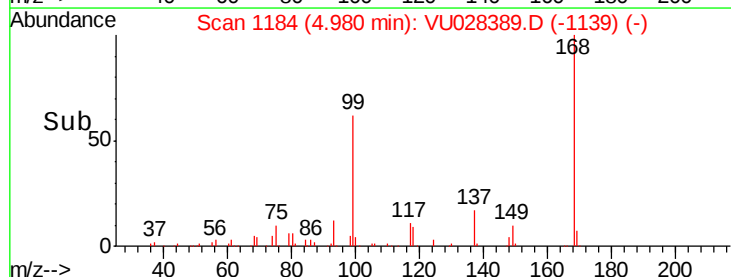
77 0.0 24.6 36.8#

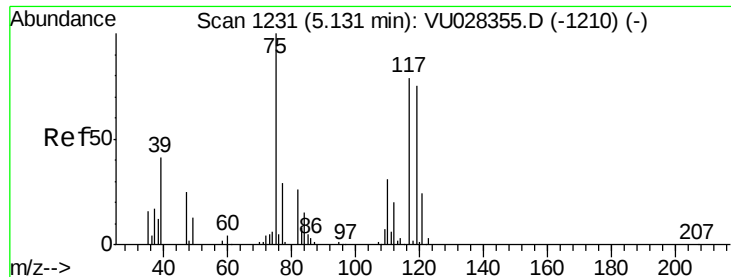


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.871 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

S32-0642

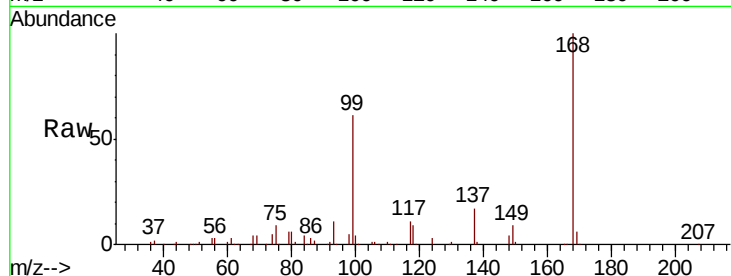
Tot Ion:117 Resp: 25375

Ion Ratio Lower Upper

117 100

119 3.8 76.3 114.5#

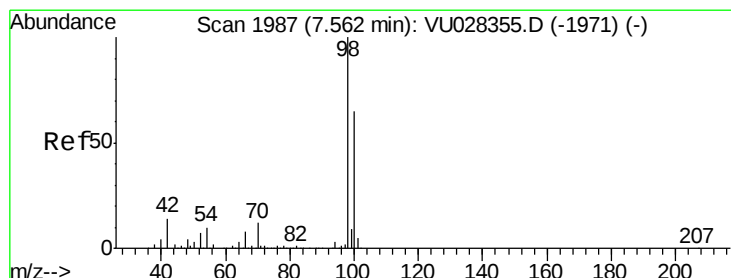
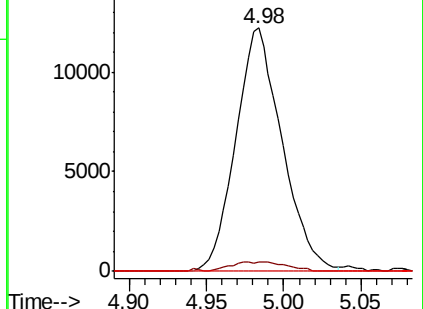
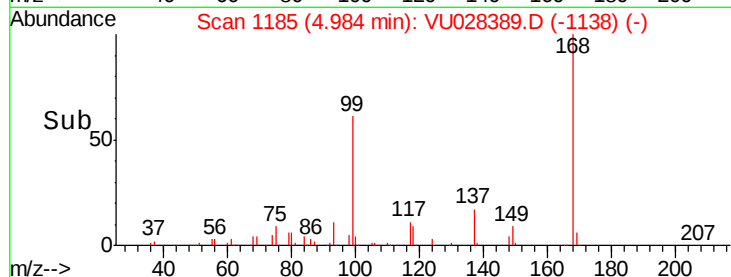
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 49.753 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028389.D

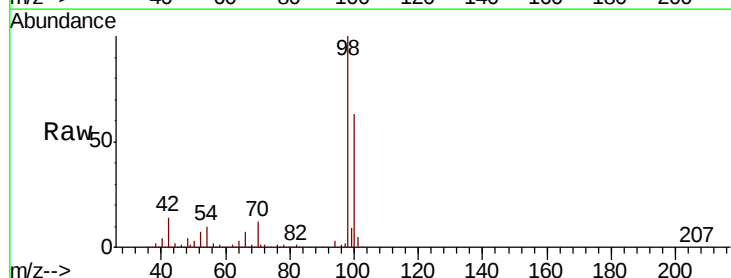
Acq: 29 Nov 2018 13:28

Tgt Ion: 98 Resp: 636438

Ion Ratio Lower Upper

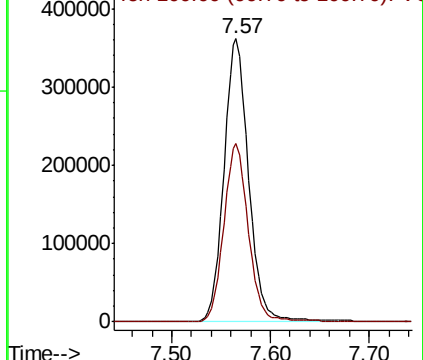
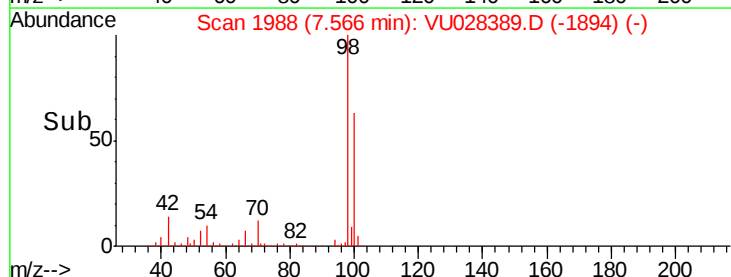
98 100

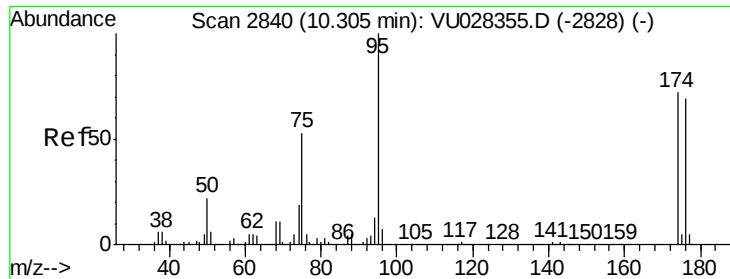
100 62.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

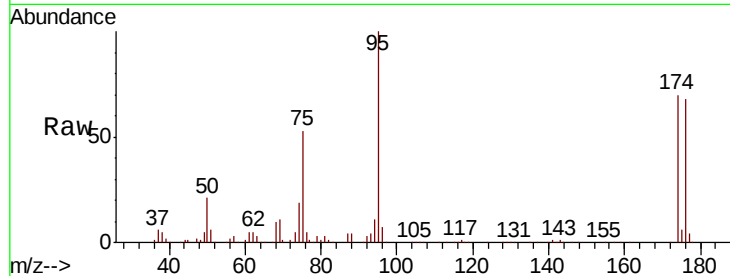




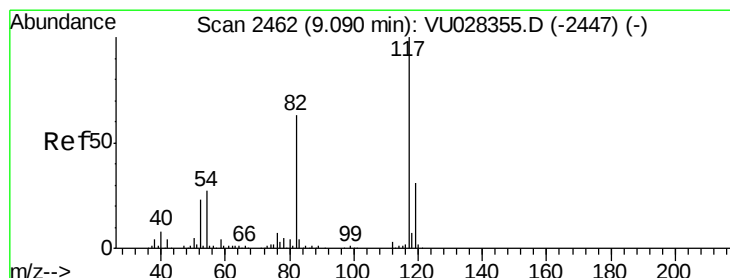
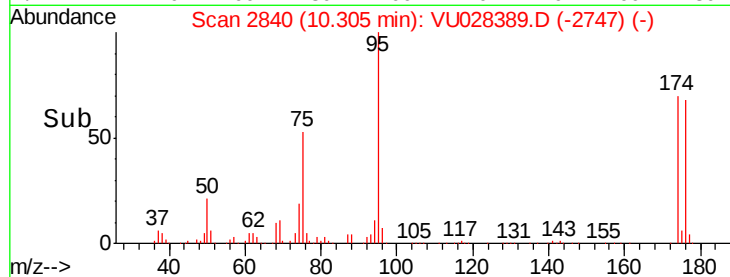
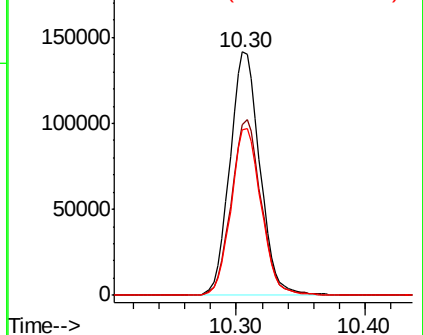
#62
4-Bromofluorobenzene
Concen: 49.471 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU028389.D
Acq: 29 Nov 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
S32-0642

Tot Ion: 95 Resp: 228089
Ion Ratio Lower Upper
95 100
174 72.3 0.0 145.4
176 69.2 0.0 140.8

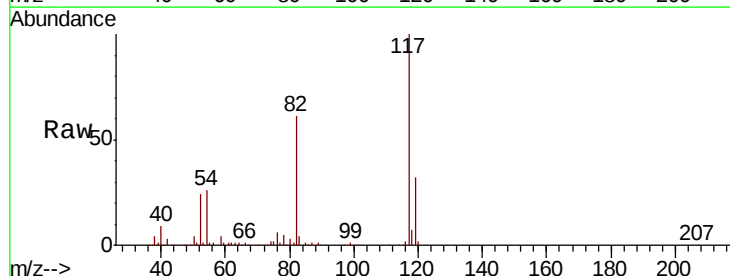


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): VU0
Ion 175.80 (175.50 to 176.50): VU0

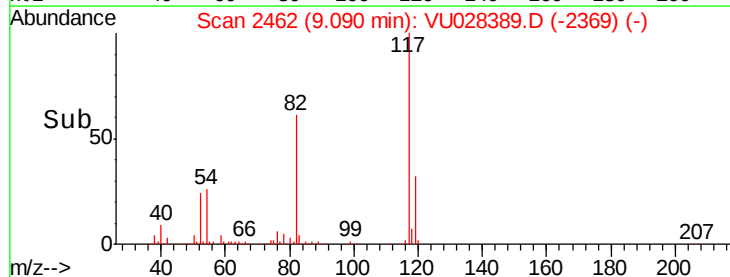
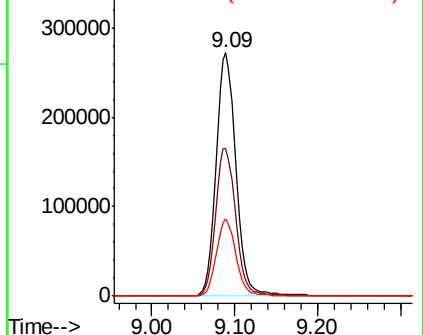


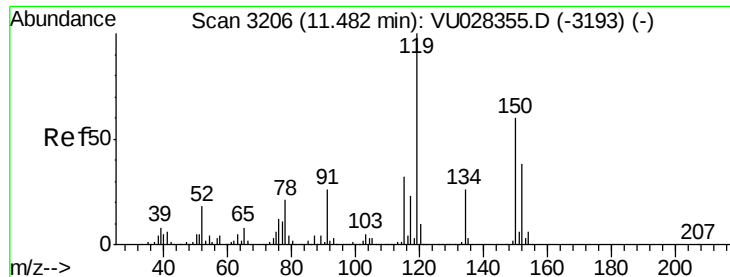
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028389.D
Acq: 29 Nov 2018 13:28

Tgt Ion: 117 Resp: 450066
Ion Ratio Lower Upper
117 100
82 60.8 50.3 75.5
119 31.5 24.8 37.2



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: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

S32-0642

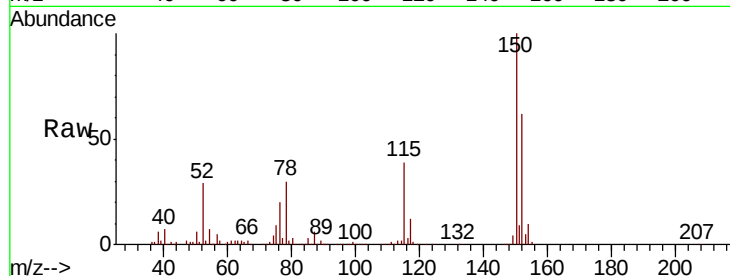
Tot Ion:152 Resp: 198852

Ion Ratio Lower Upper

152 100

115 63.5 45.0 134.8

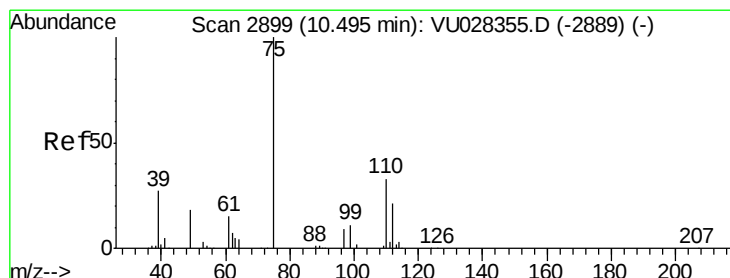
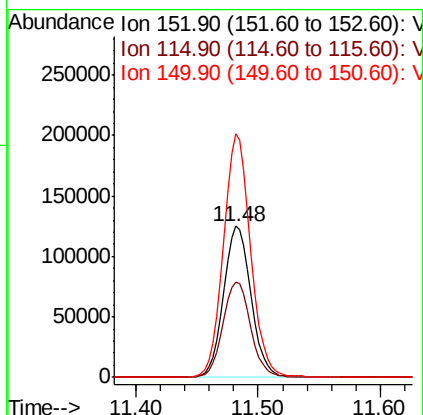
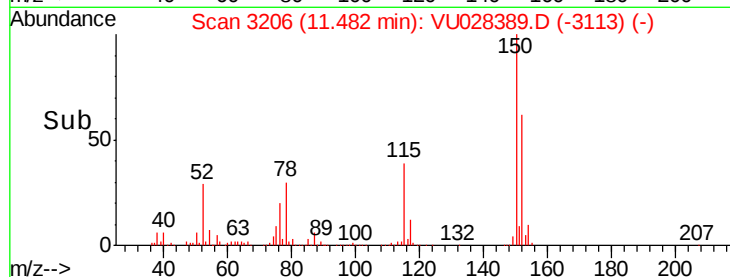
150 158.3 0.0 349.2



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: 22.224 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028389.D

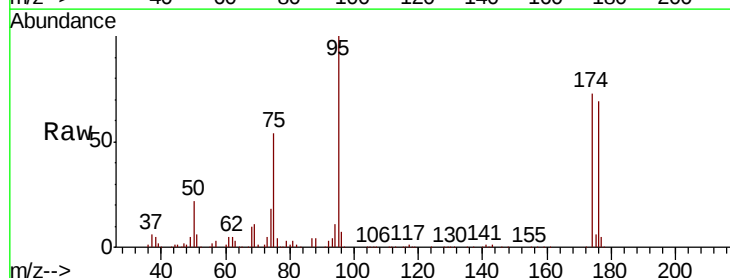
Acq: 29 Nov 2018 13:28

Tgt Ion: 75 Resp: 122548

Ion Ratio Lower Upper

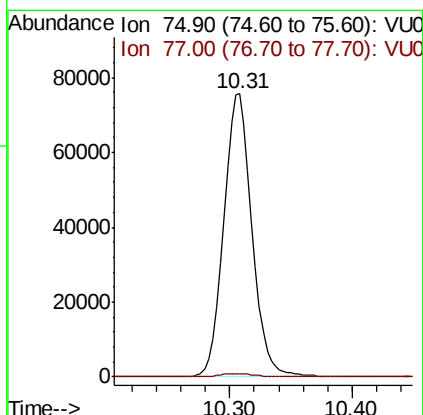
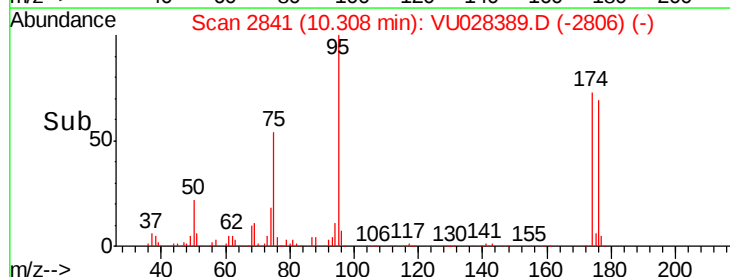
75 100

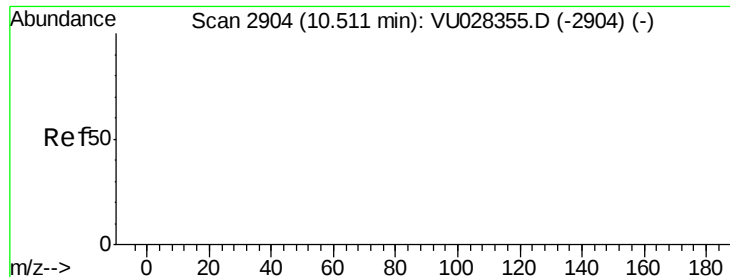
77 1.3 22.4 67.0#



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: 58.992 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

S32-0642

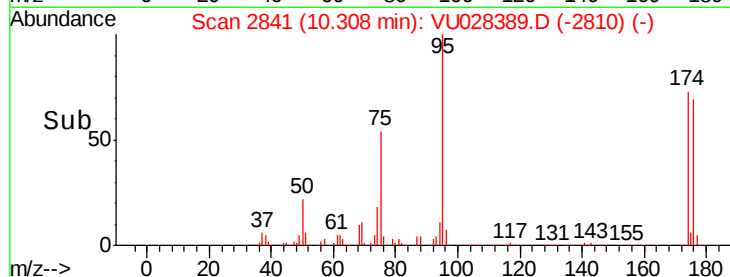
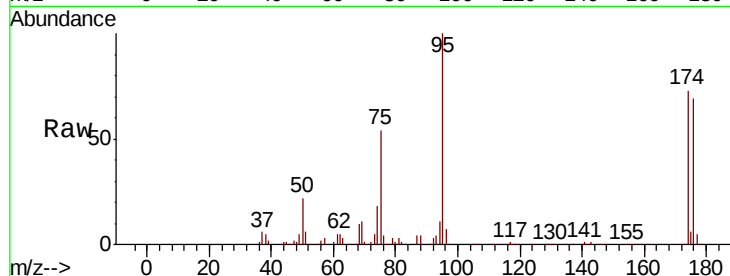
Tot Ion: 75 Resp: 122548

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): VU028389.D (-2810) (-)

Ion 53.00 (52.70 to 53.70): VU028389.D (-2810) (-)

Ion 88.90 (88.60 to 89.60): VU028389.D (-2810) (-)

Time-->

10.31

80000

60000

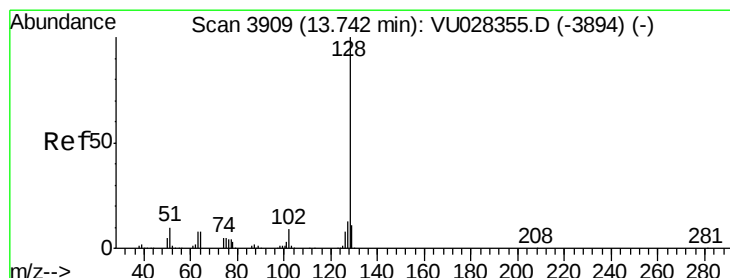
40000

20000

0

10.30

10.40



#95

Naphthalene

Concen: 2.842 ug/l

RT: 13.74 min Scan# 3907

Delta R.T. -0.01 min

Lab File: VU028389.D

Acq: 29 Nov 2018 13:28

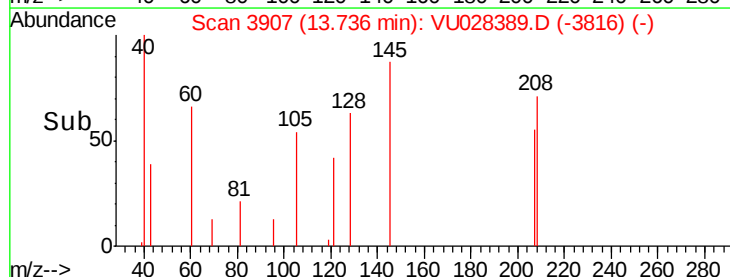
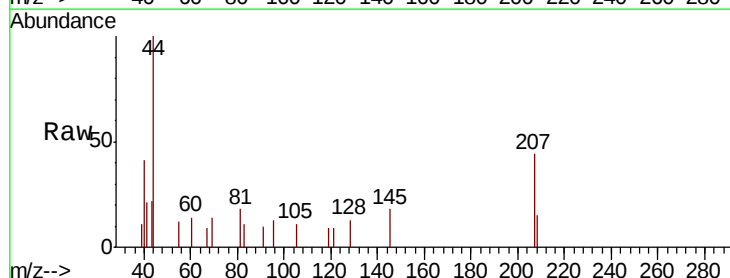
Tgt Ion: 128 Resp: 112

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 64.3 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU028389.D (-3816) (-)

Ion 127.00 (126.70 to 127.70): VU028389.D (-3816) (-)

Ion 129.00 (128.70 to 129.70): VU028389.D (-3816) (-)

Time-->

13.74

200

150

100

50

0

13.72

13.73

13.74