

Data Path : Z:\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029122.D
 Acq On : 10 Jan 2019 16:41
 Operator : MD/SY
 Sample : K1122-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-2

Quant Time: Jan 11 02:48:18 2019
 Quant Method : Z:\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	142033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	243235	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92731	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	91104	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	4.88	113	80483	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	7.56	98	305436	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	10.30	95	99034	44.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.54%	

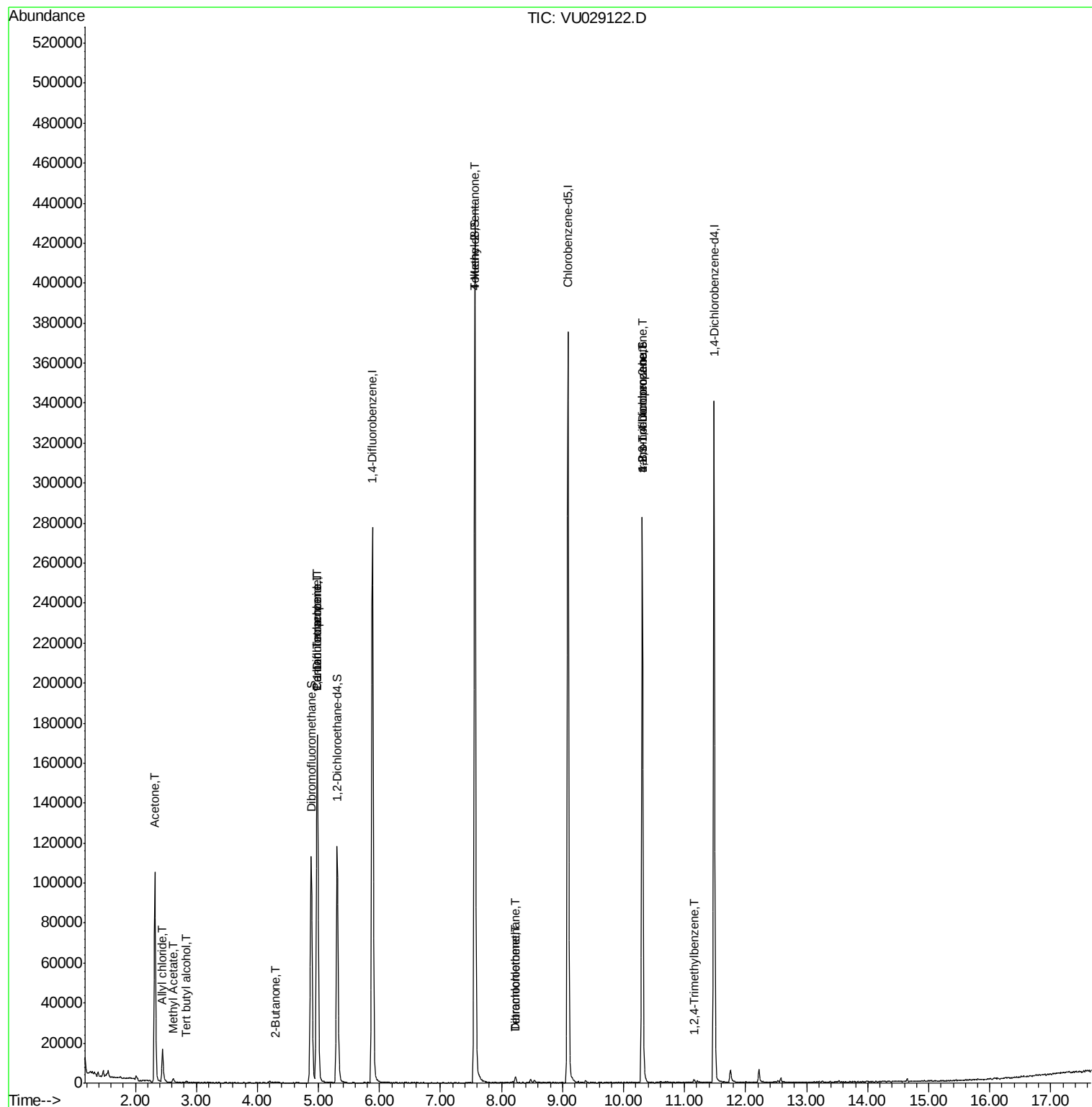
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1006	Below Cal		92
5) Bromomethane	1.62	94	116	Below Cal	#	2
11) Tert butyl alcohol	2.83	59	502	1.125	ug/l #	73
14) Allyl chloride	2.44	41	1483	0.549	ug/l #	54
16) Acetone	2.32	43	107091	96.820	ug/l	97
17) Carbon Disulfide	2.48	76	365	Below Cal	#	75
18) Methyl Acetate	2.62	43	2863	1.113	ug/l	93
25) 2-Butanone	4.30	43	554	0.371	ug/l #	47
31) Cyclohexane	4.98	56	2245	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	10040	4.130	ug/l #	47
38) Carbon Tetrachloride	4.98	117	12606	6.217	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	1104	0.396	ug/l #	1
60) Dibromochloromethane	8.23	129	586	0.320	ug/l #	11
64) Tetrachloroethene	8.23	164	791	0.499	ug/l #	74
76) 1,2,3-Trichloropropane	10.30	75	46536	20.482	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	46536	52.824	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1191	0.208	ug/l	87

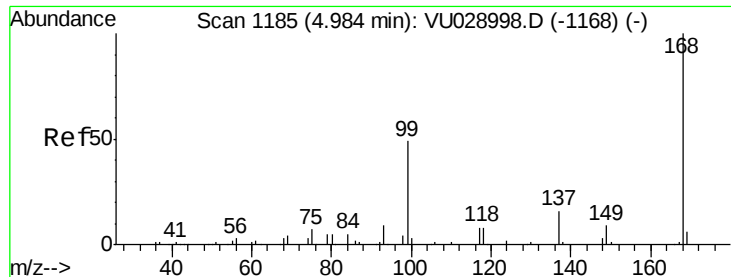
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

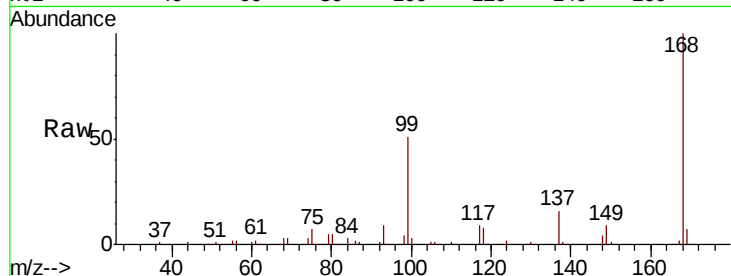
Instrument :
MSVOA_U
ClientSampleId :
TWP-2

Tgt Ion:168 Resp: 142033

Ion Ratio Lower Upper

168 100

99 50.7 42.0 63.0



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

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

4.98

60000

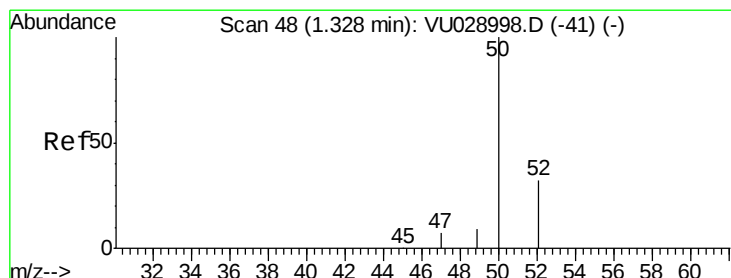
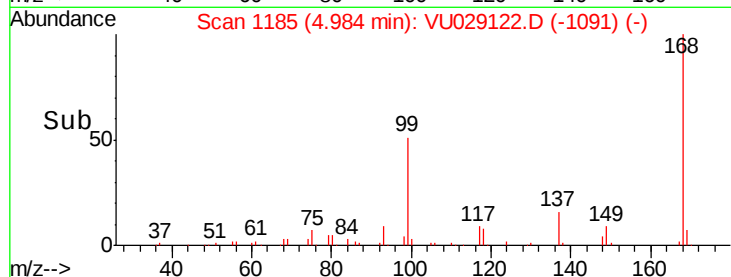
40000

20000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029122.D

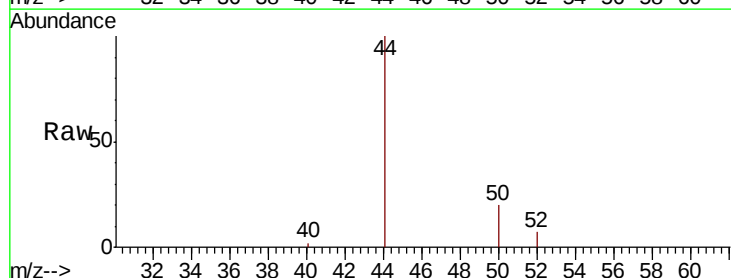
Acq: 10 Jan 2019 16:41

Tgt Ion: 50 Resp: 1006

Ion Ratio Lower Upper

50 100

52 37.1 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) (-)

1.33

1000

800

600

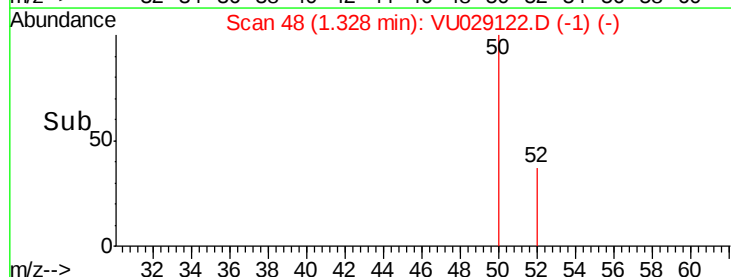
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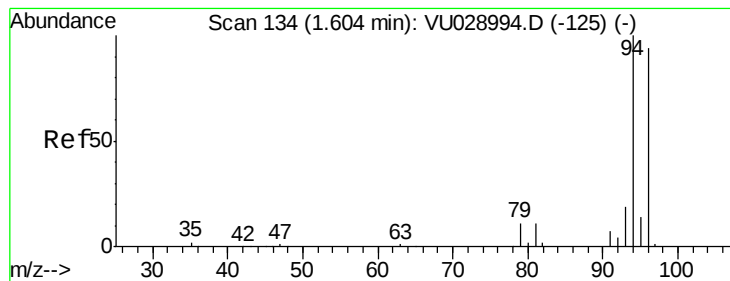
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 140

Delta R.T. 0.02 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

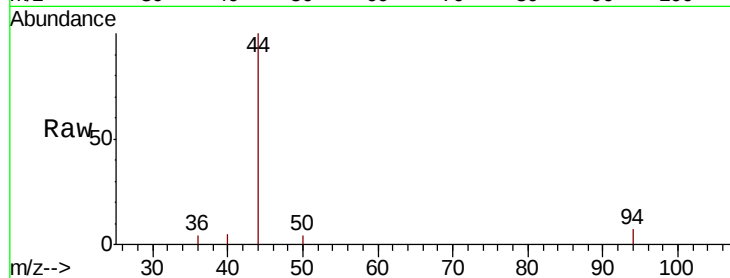
TWP-2

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 0.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

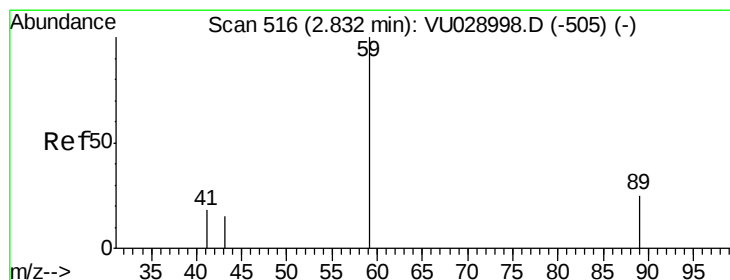
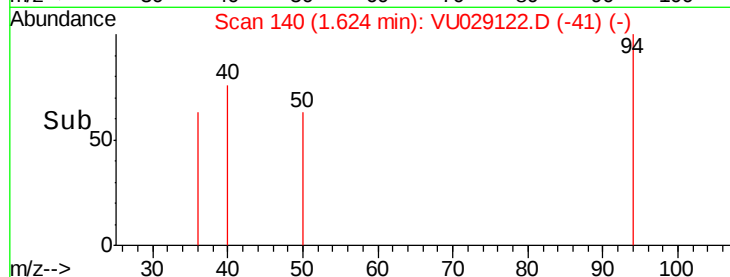
150

100

50

0

Time-->



#11

Tert butyl alcohol

Concen: 1.125 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.01 min

Lab File: VU029122.D

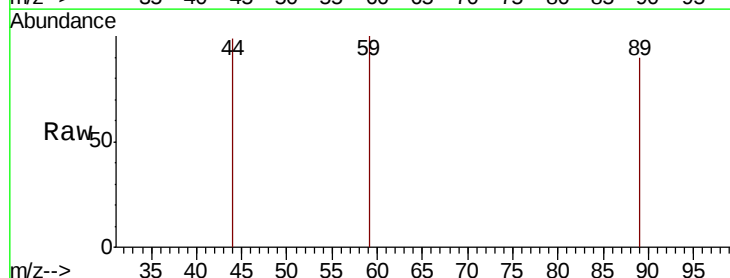
Acq: 10 Jan 2019 16:41

Tgt Ion: 59 Resp: 502

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

300

250

200

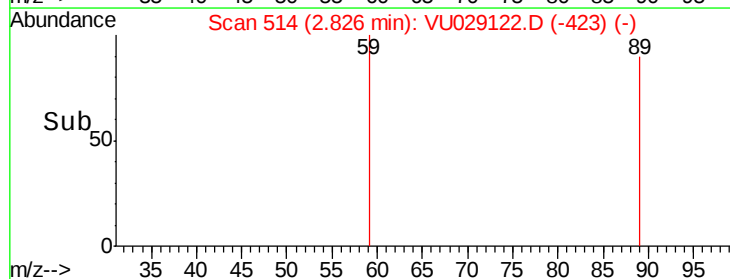
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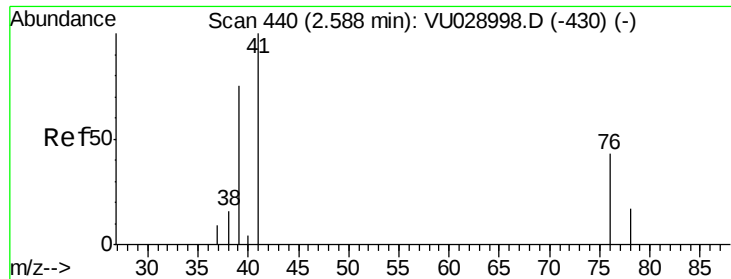
100

50

0

Time-->

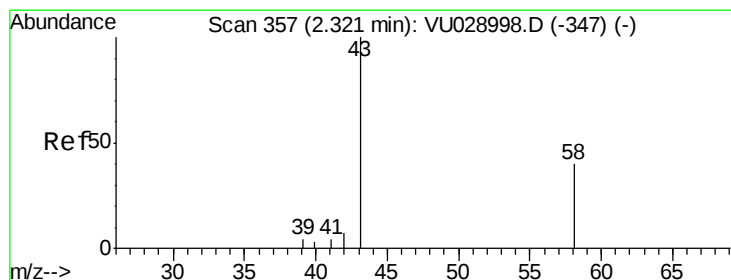
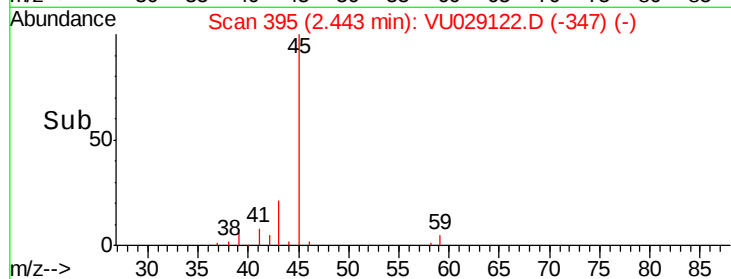
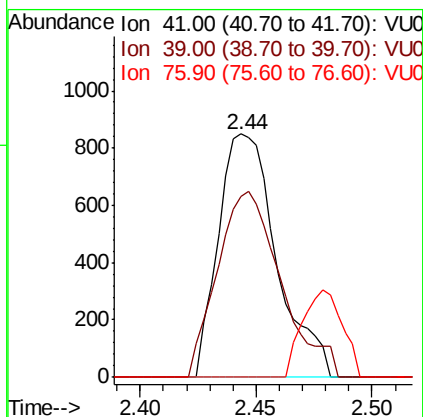
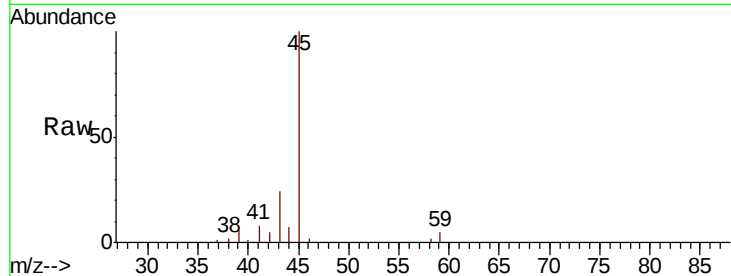




#14
 Allyl chloride
 Concen: 0.549 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.14 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

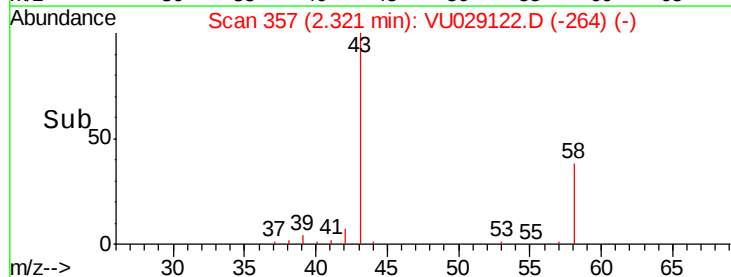
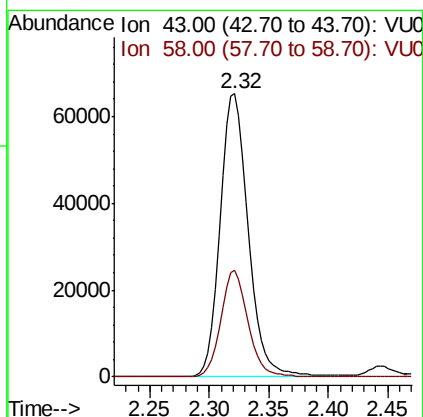
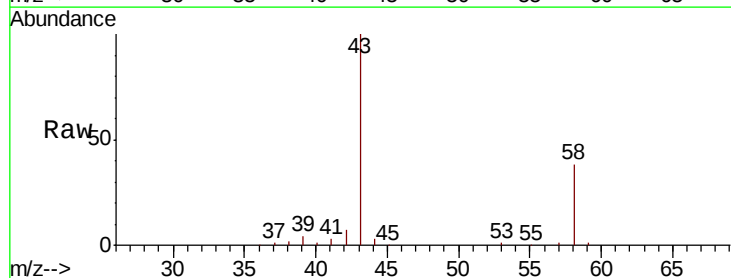
Instrument :
 MSVOA_U
 ClientSampled :
 TWP-2

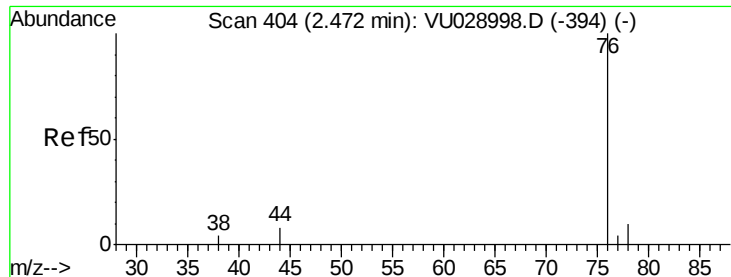
Tgt Ion: 41 Resp: 1483
 Ion Ratio Lower Upper
 41 100
 39 83.2 45.0 67.6#
 76 0.0 28.1 42.1#



#16
 Acetone
 Concen: 96.820 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Tgt Ion: 43 Resp: 107091
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.6 42.8

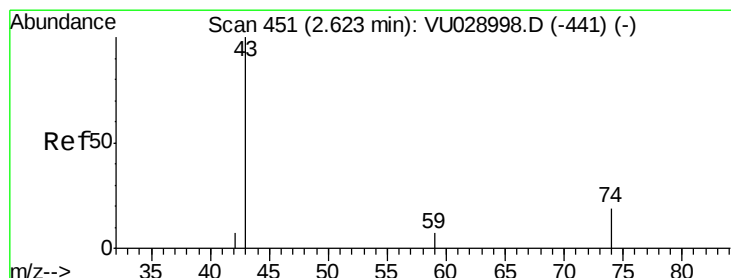
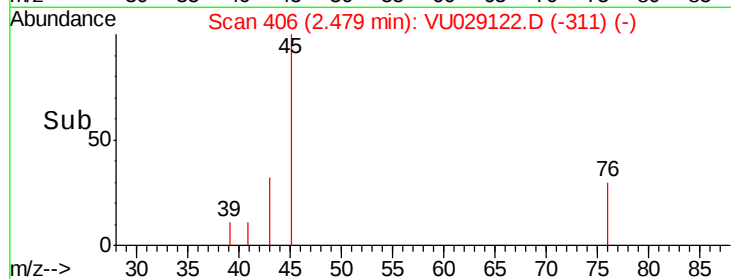
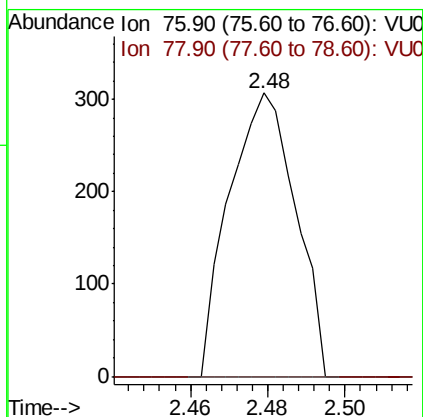
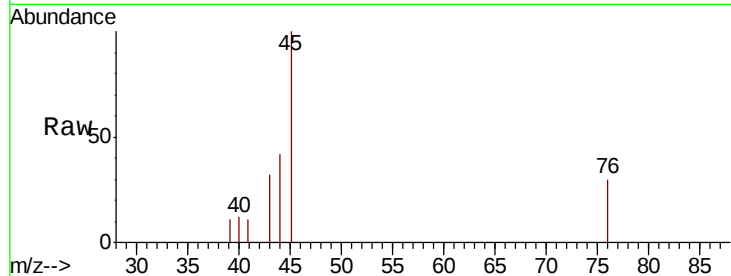




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

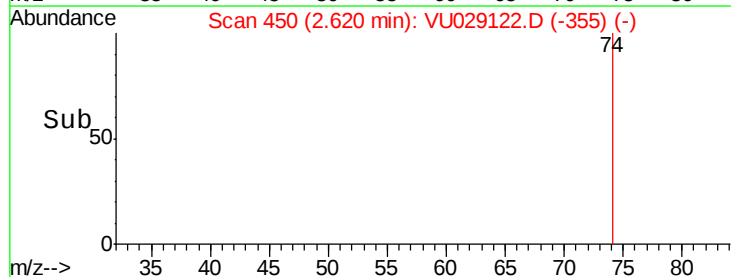
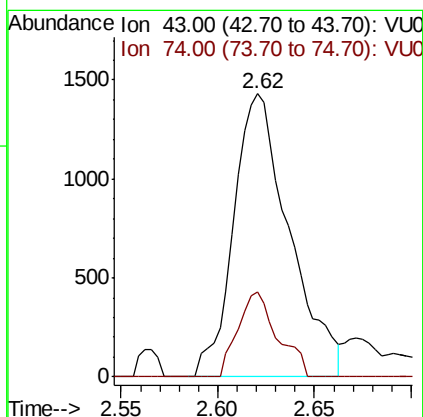
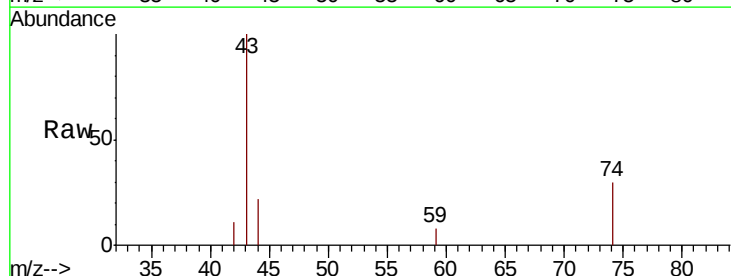
Instrument :
MSVOA_U
ClientSampleId :
TWP-2

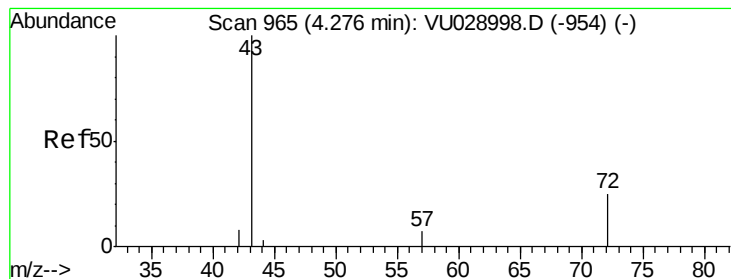
Tgt Ion: 76 Resp: 365
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.113 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
74 21.2 19.5 29.3





#25

2-Butanone

Concen: 0.371 ug/l

RT: 4.30 min Scan# 972

Delta R.T. 0.04 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampled :

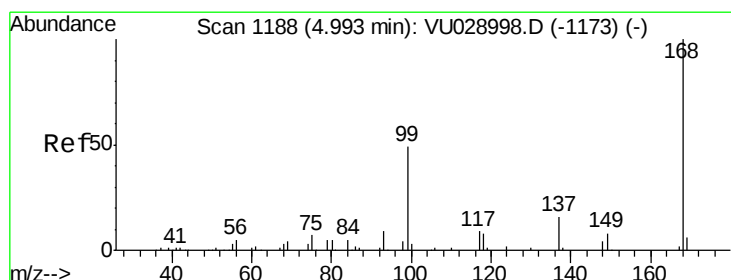
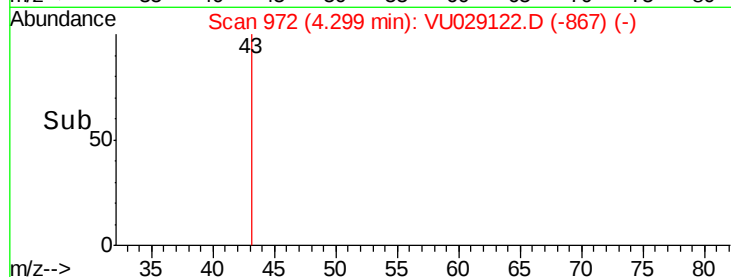
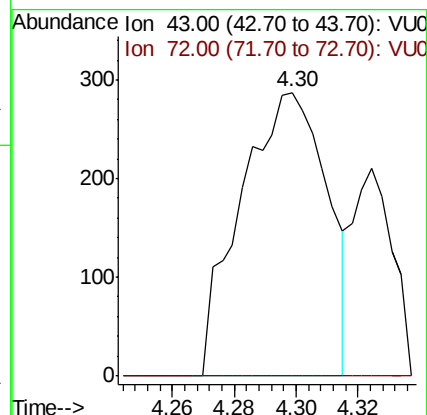
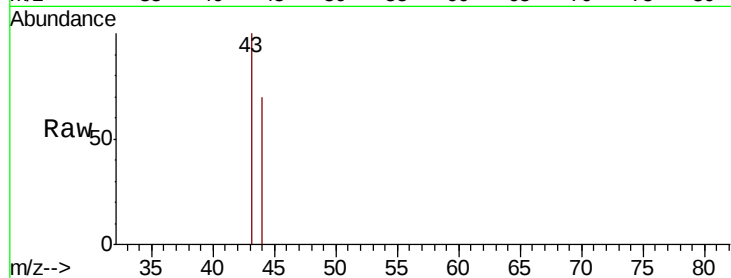
TWP-2

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

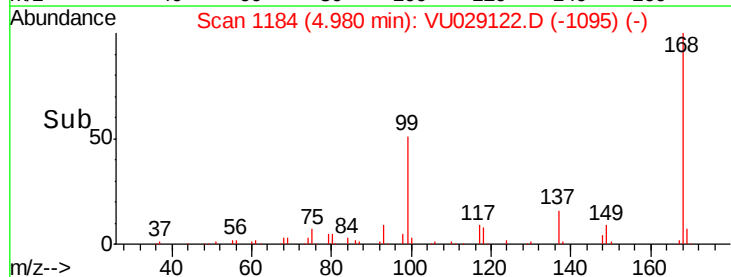
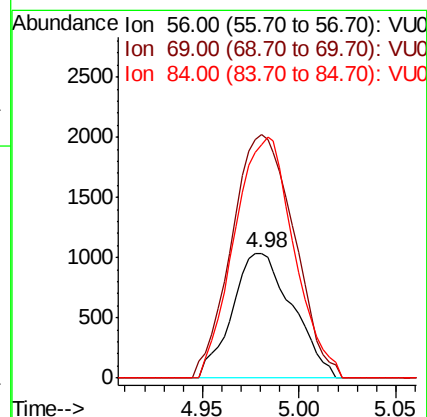
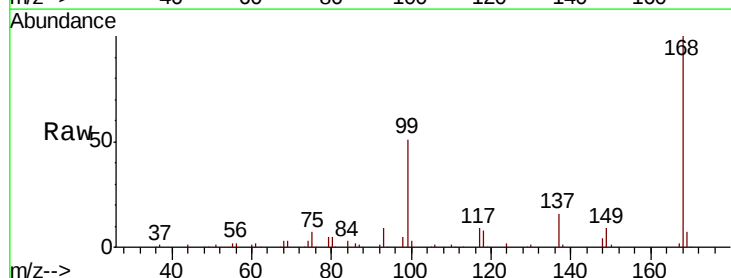
Tgt Ion: 56 Resp: 2245

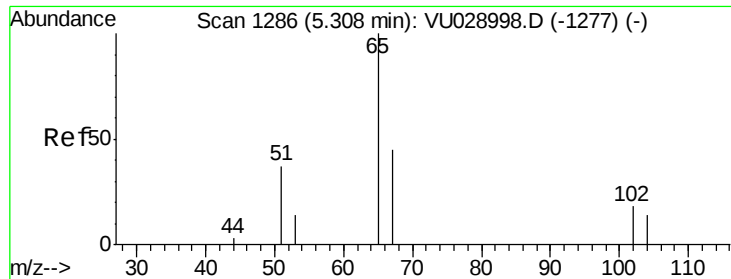
Ion Ratio Lower Upper

56 100

69 195.5 26.7 40.1#

84 187.6 65.7 98.5#

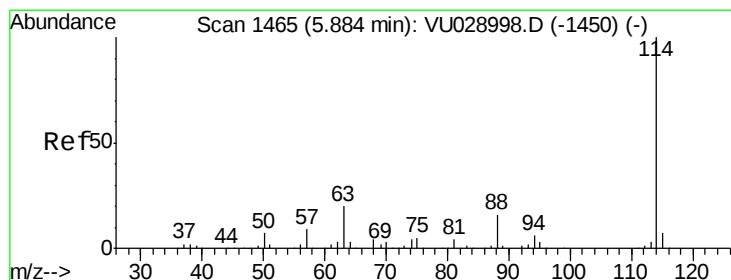
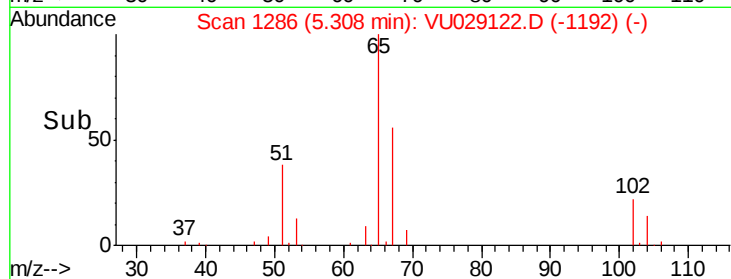
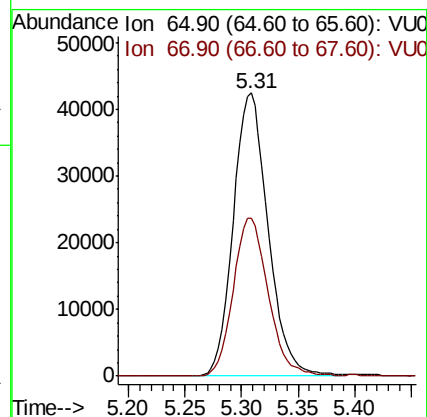
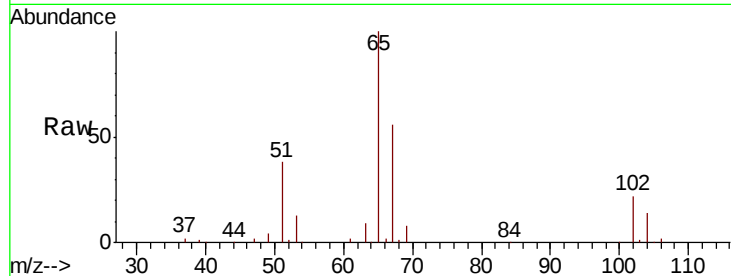




#33
 1,2-Dichloroethane-d4
 Concen: 51.887 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

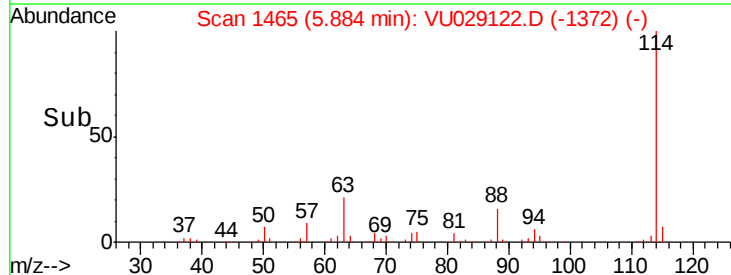
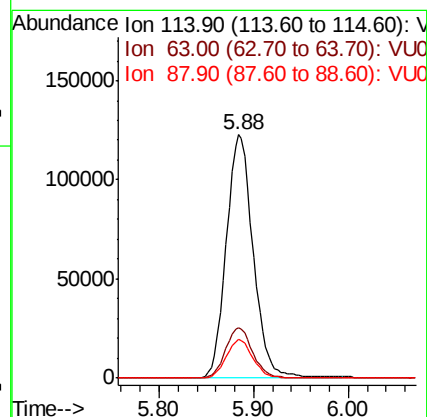
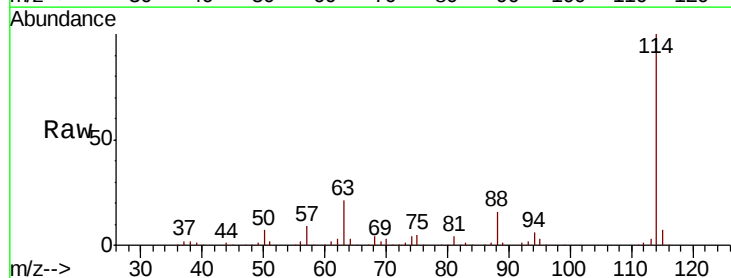
Instrument :
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 ClientSampleId :
 TWP-2

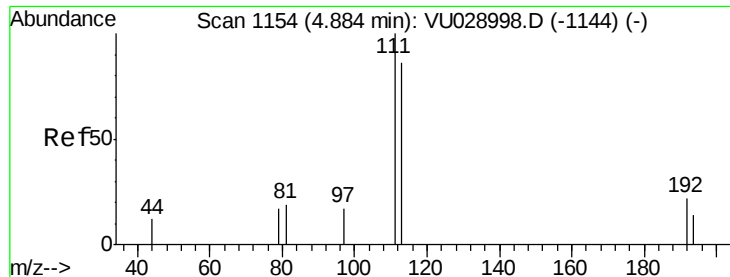
Tgt Ion: 65 Resp: 91104
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Tgt Ion: 114 Resp: 243235
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.8 0.0 30.4

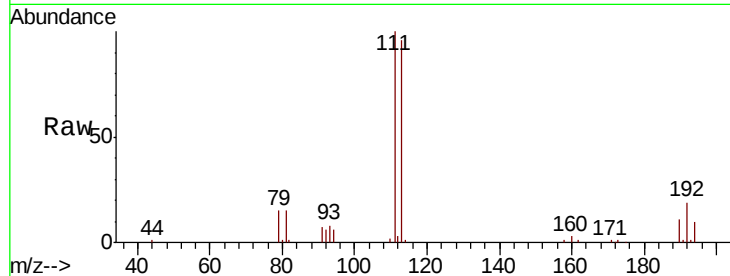




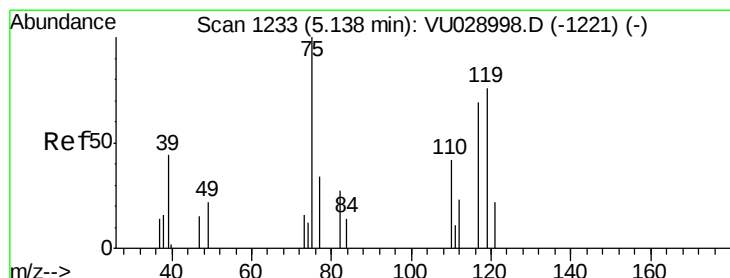
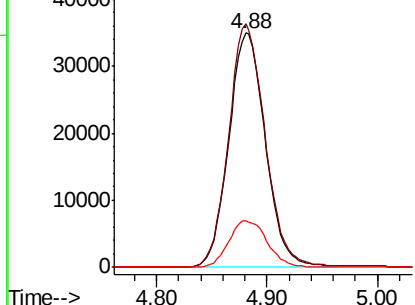
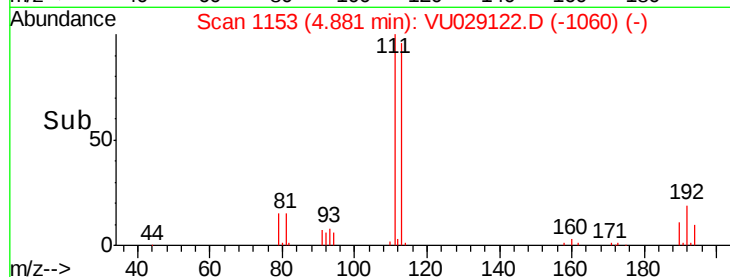
#35
 Dibromofluoromethane
 Concen: 51.045 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-2

Tgt Ion: 113 Resp: 80483
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.2
 192 20.8 16.8 25.2

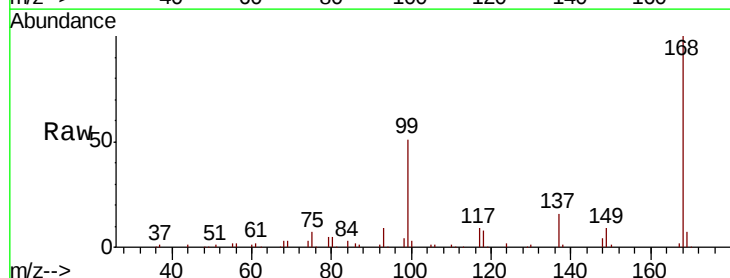


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

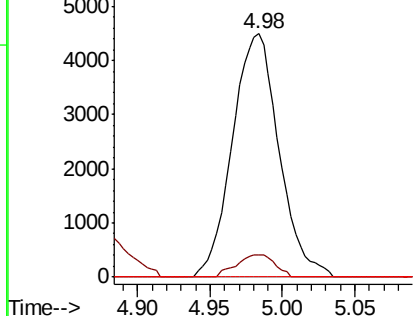
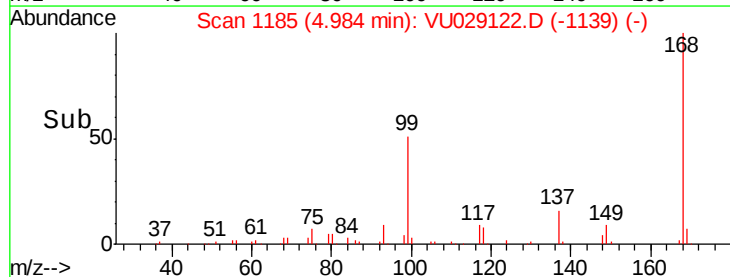


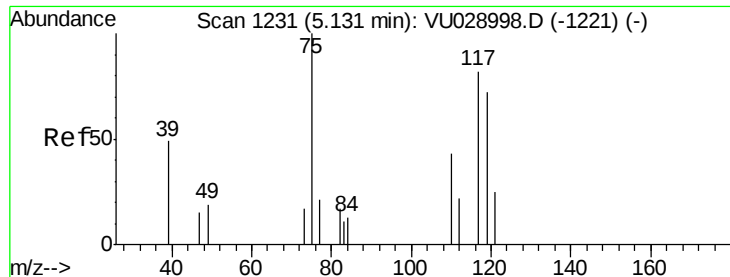
#36
 1,1-Dichloropropene
 Concen: 4.130 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Tgt Ion: 75 Resp: 10040
 Ion Ratio Lower Upper
 75 100
 110 7.6 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

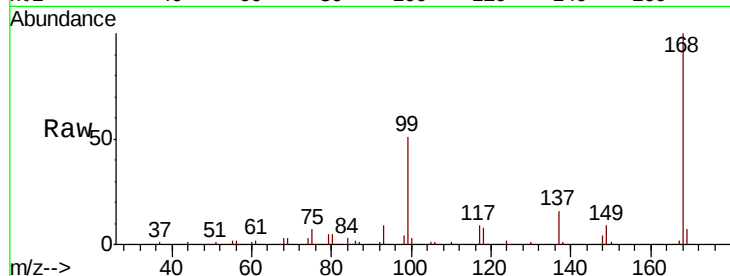




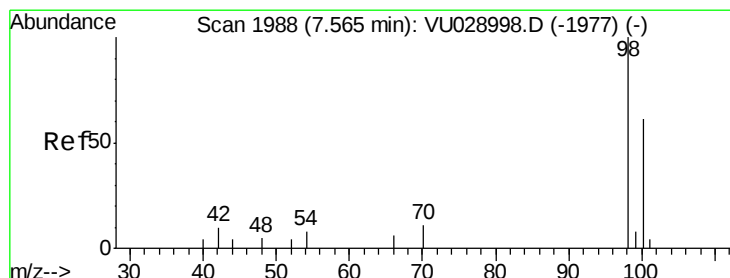
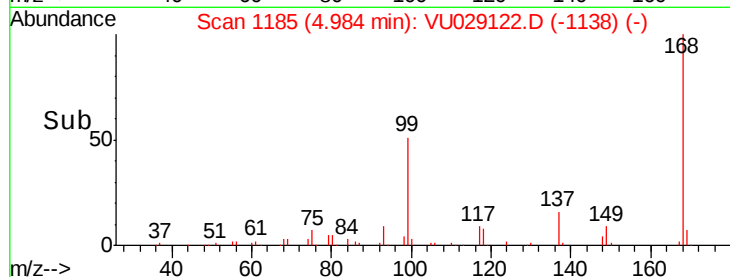
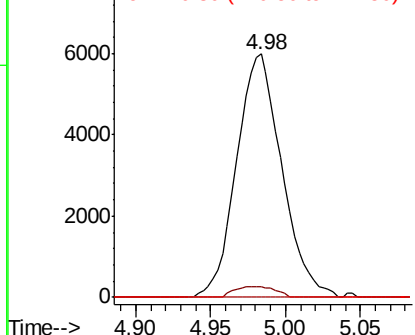
#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

Instrument :
MSVOA_U
ClientSampleId :
TWP-2

Tgt Ion: 117 Resp: 12606
Ion Ratio Lower Upper
117 100
119 4.3 74.6 111.8#
121 0.0 25.0 37.6#

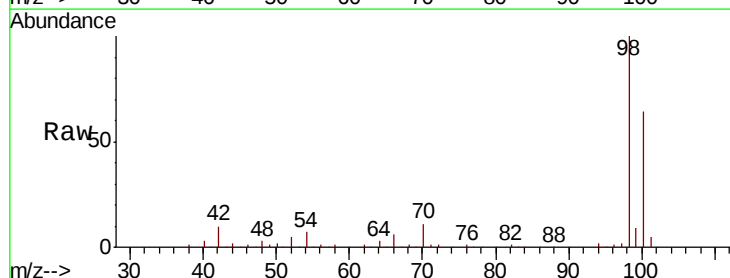


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

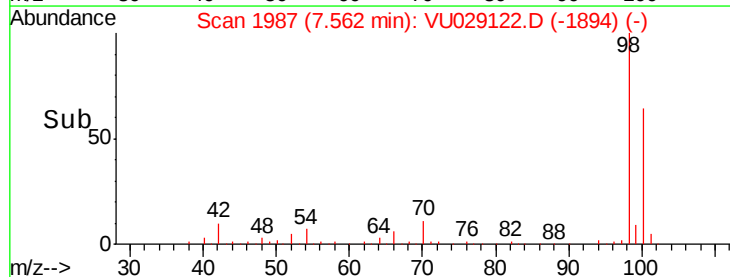
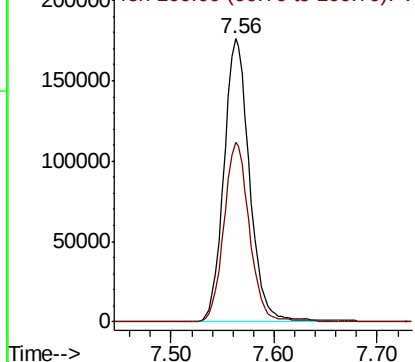


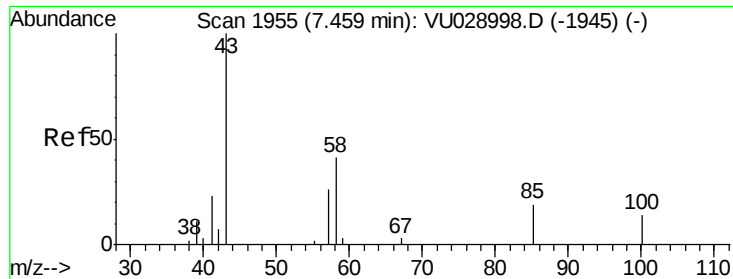
#50
Toluene-d8
Concen: 49.068 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 98 Resp: 305436
Ion Ratio Lower Upper
98 100
100 63.1 51.6 77.4



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

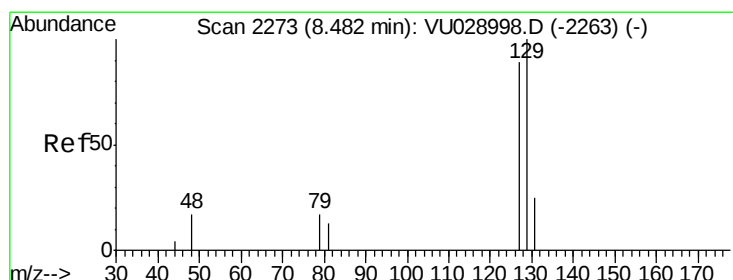
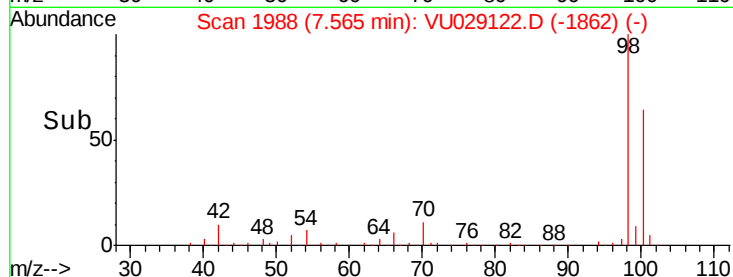
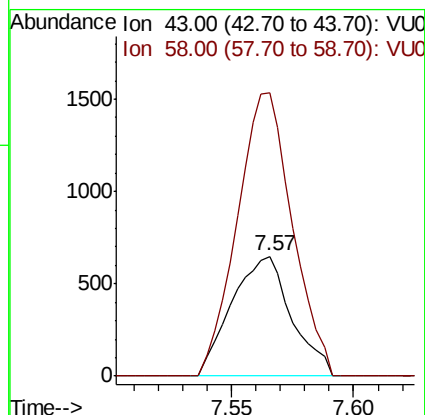
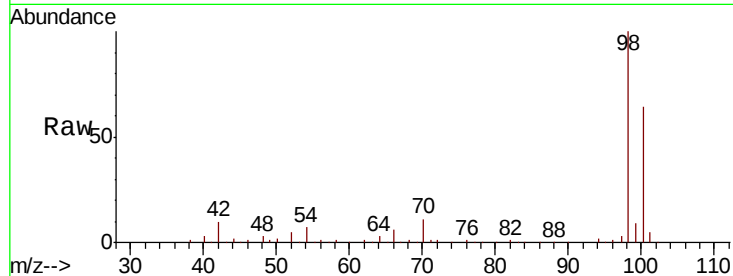




#51
 4-Methyl-2-Pentanone
 Concen: 0.396 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.11 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

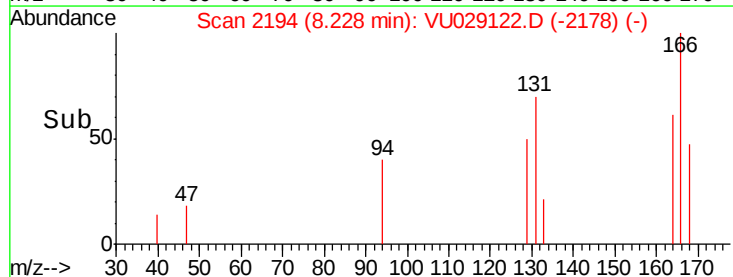
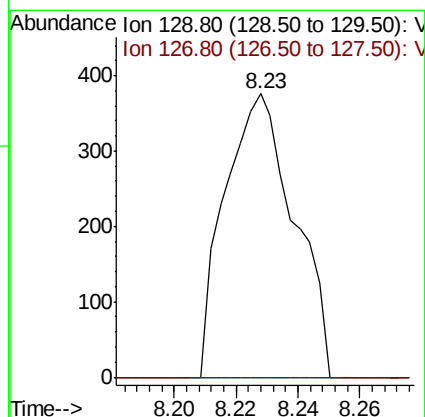
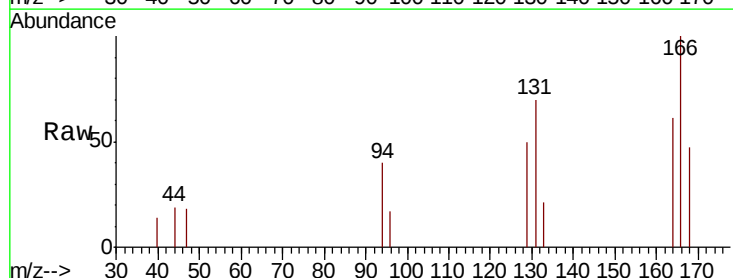
Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-2

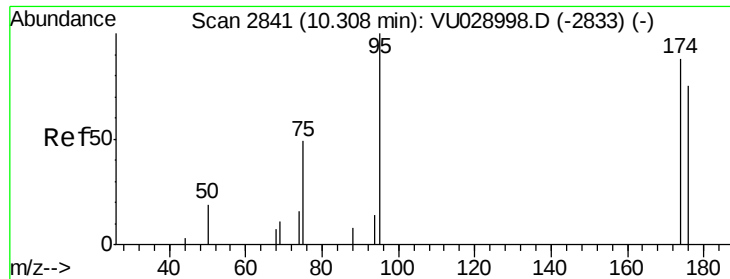
Tgt Ion: 43 Resp: 1104
 Ion Ratio Lower Upper
 43 100
 58 217.3 33.9 50.9#



#60
 Dibromochloromethane
 Concen: 0.320 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Tgt Ion: 129 Resp: 586
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.0 114.0#

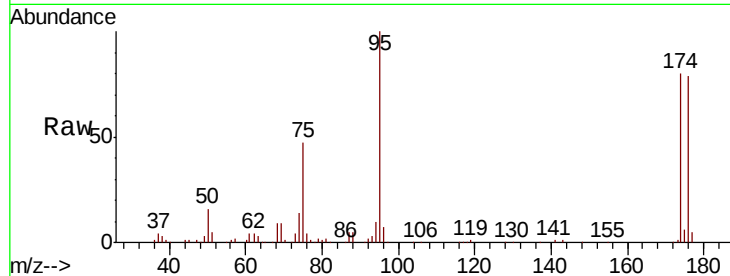




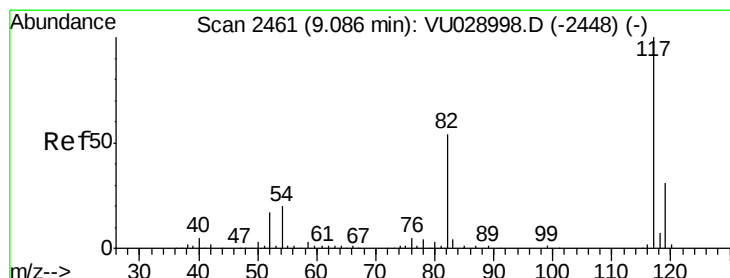
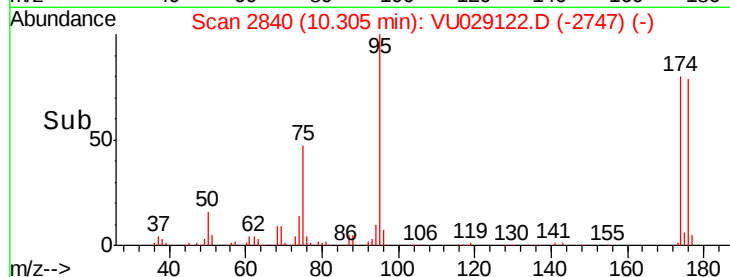
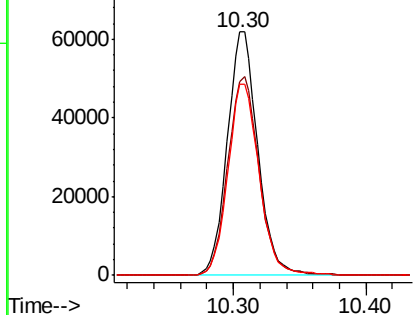
#62
4-Bromofluorobenzene
Concen: 44.270 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

Instrument :
MSVOA_U
ClientSampleId :
TWP-2

Tgt Ion: 95 Resp: 99034
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.6
176 80.5 0.0 165.0

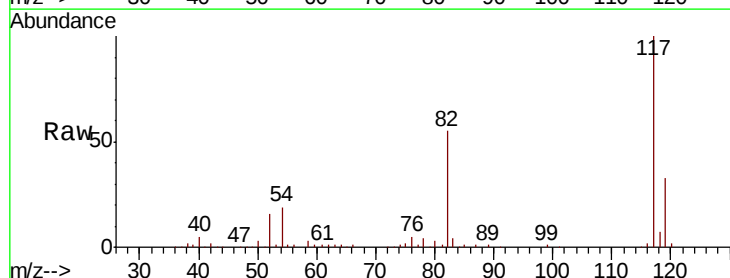


Abundance Ion 94.90 (94.60 to 95.60): VU028998.D (-2833) (-)
Ion 173.80 (173.50 to 174.50): VU028998.D (-2833) (-)
Ion 175.80 (175.50 to 176.50): VU028998.D (-2833) (-)

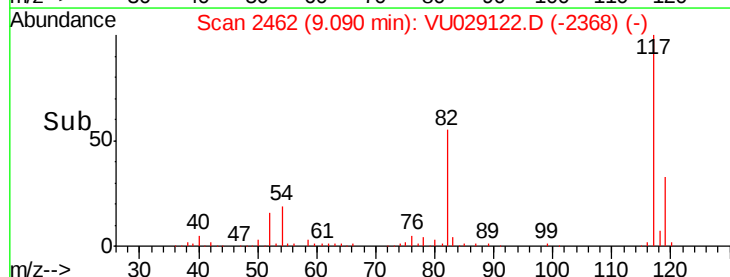
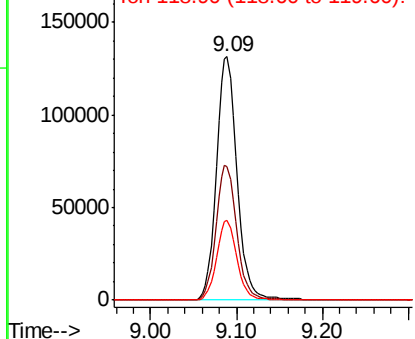


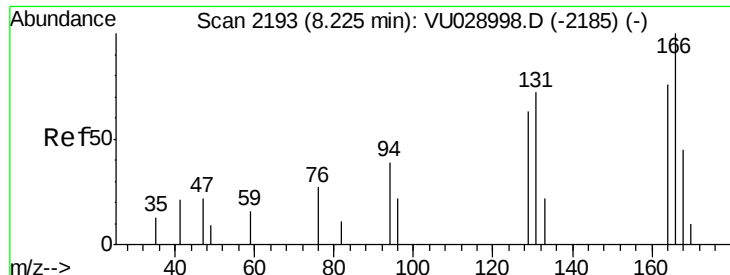
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029122.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 117 Resp: 219915
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VU028998.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028998.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028998.D (-2448) (-)





#64

Tetrachloroethene

Concen: 0.499 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

TWP-2

Tgt Ion:164 Resp: 791

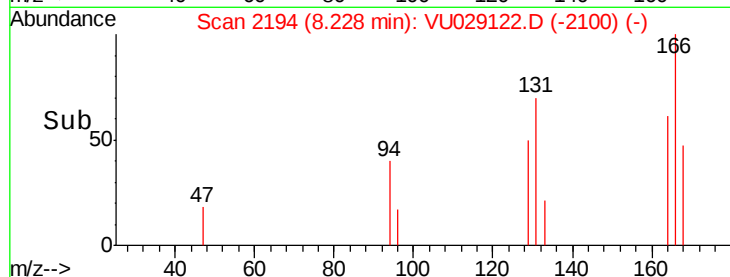
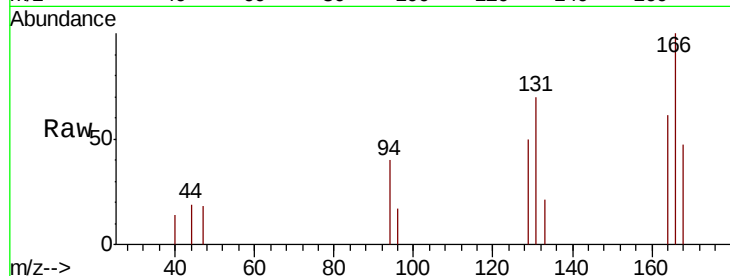
Ion Ratio Lower Upper

164 100

166 163.9 99.4 149.0#

129 81.4 70.5 105.7

131 114.7 69.0 103.6#

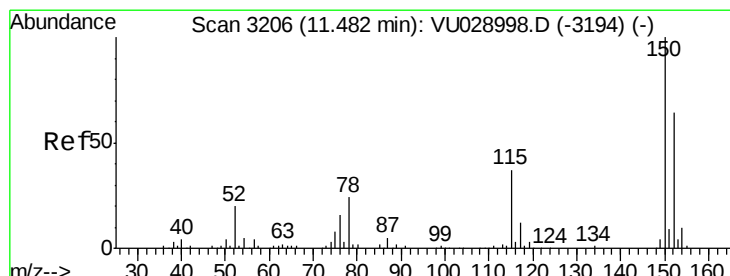
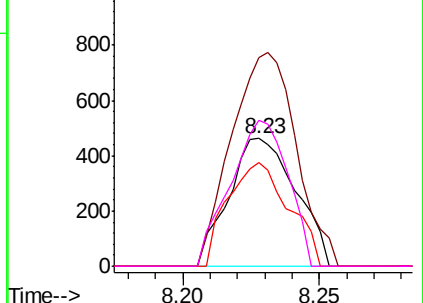


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VU029122.D

Acq: 10 Jan 2019 16:41

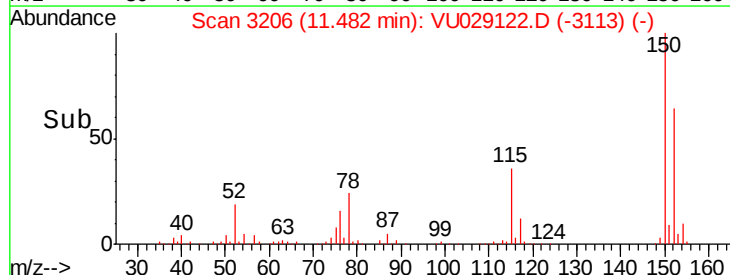
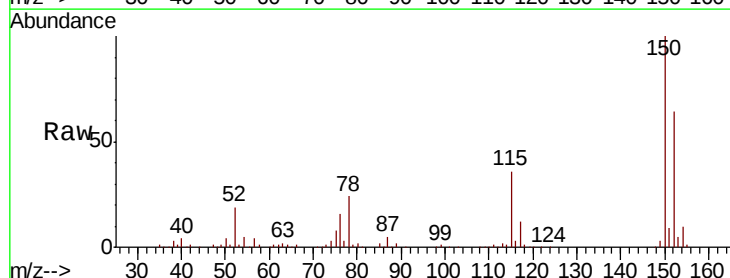
Tgt Ion:152 Resp: 92731

Ion Ratio Lower Upper

152 100

115 56.0 40.1 120.3

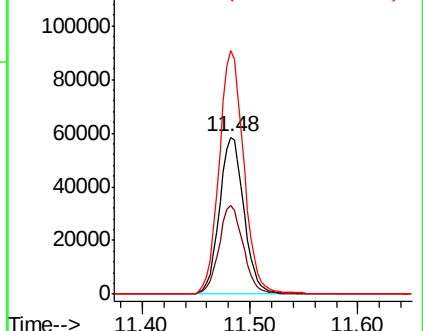
150 155.4 0.0 345.2

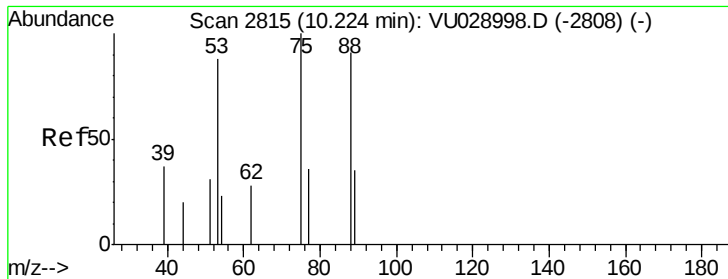


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.482 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_U

ClientSampleId :

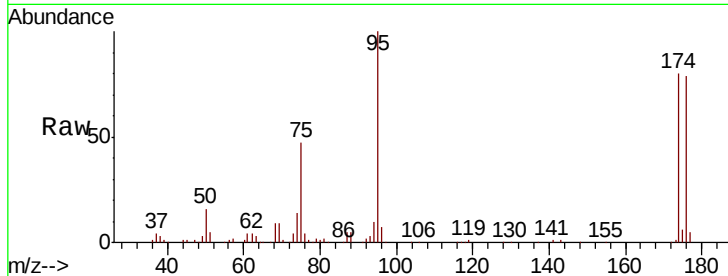
TWP-2

Tgt Ion: 75 Resp: 46536

Ion Ratio Lower Upper

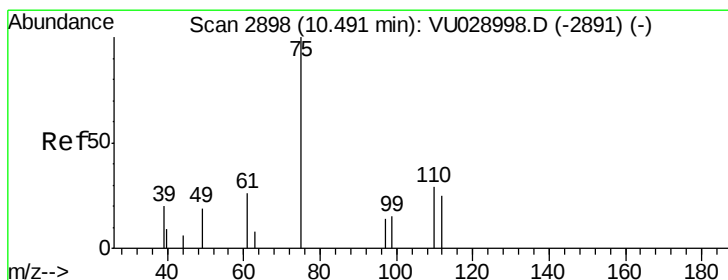
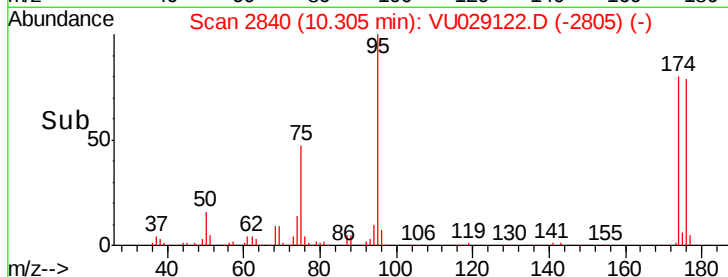
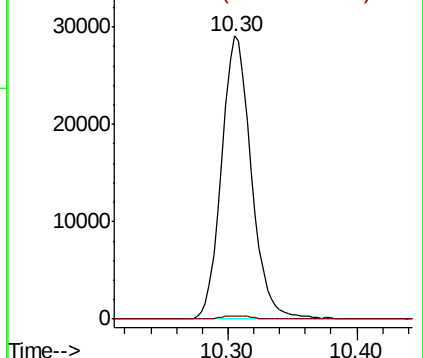
75 100

77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 52.824 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029122.D

Acq: 10 Jan 2019 16:41

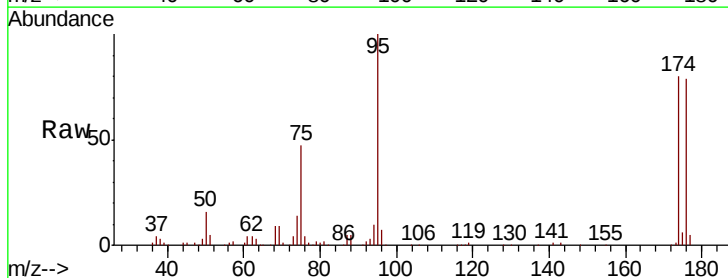
Tgt Ion: 75 Resp: 46536

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

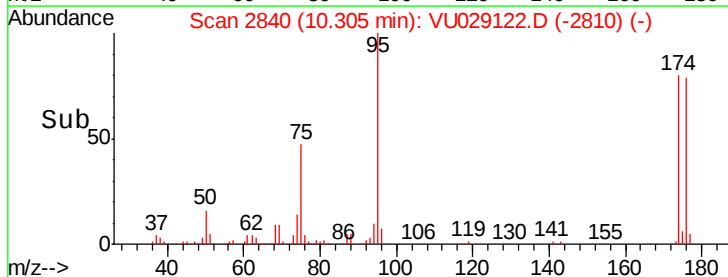
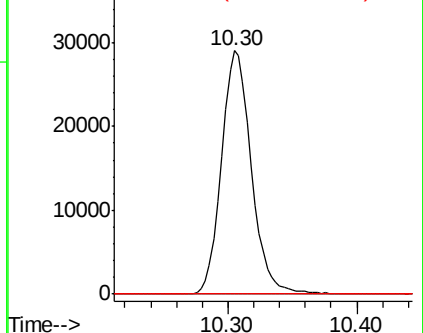
89 0.0 0.0 0.0

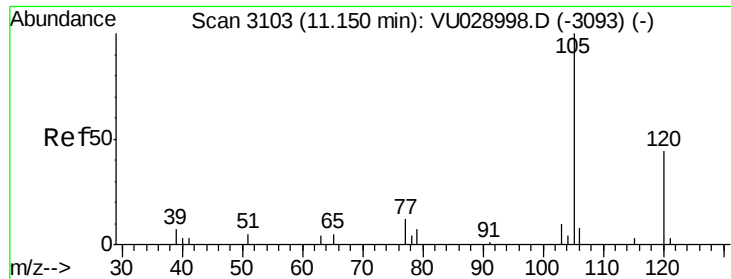


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#84
 1,2,4-Trimethylbenzene
 Concen: 0.208 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029122.D
 Acq: 10 Jan 2019 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 TWP-2

Tgt Ion:105 Resp: 1191
 Ion Ratio Lower Upper
 105 100
 120 37.9 23.1 69.3

