

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024997.D
 Acq On : 28 Jun 2018 04:10
 Operator : MD/SY
 Sample : J3671-10ME 10X
 Misc : 6.30g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB478-27-29-180621ME

Quant Time: Jun 28 06:46:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	215882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325685	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168242	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	165397	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	4.89	113	126592	46.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.68%	
50) Toluene-d8	7.57	98	468372	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	10.31	95	180244	46.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.10%	

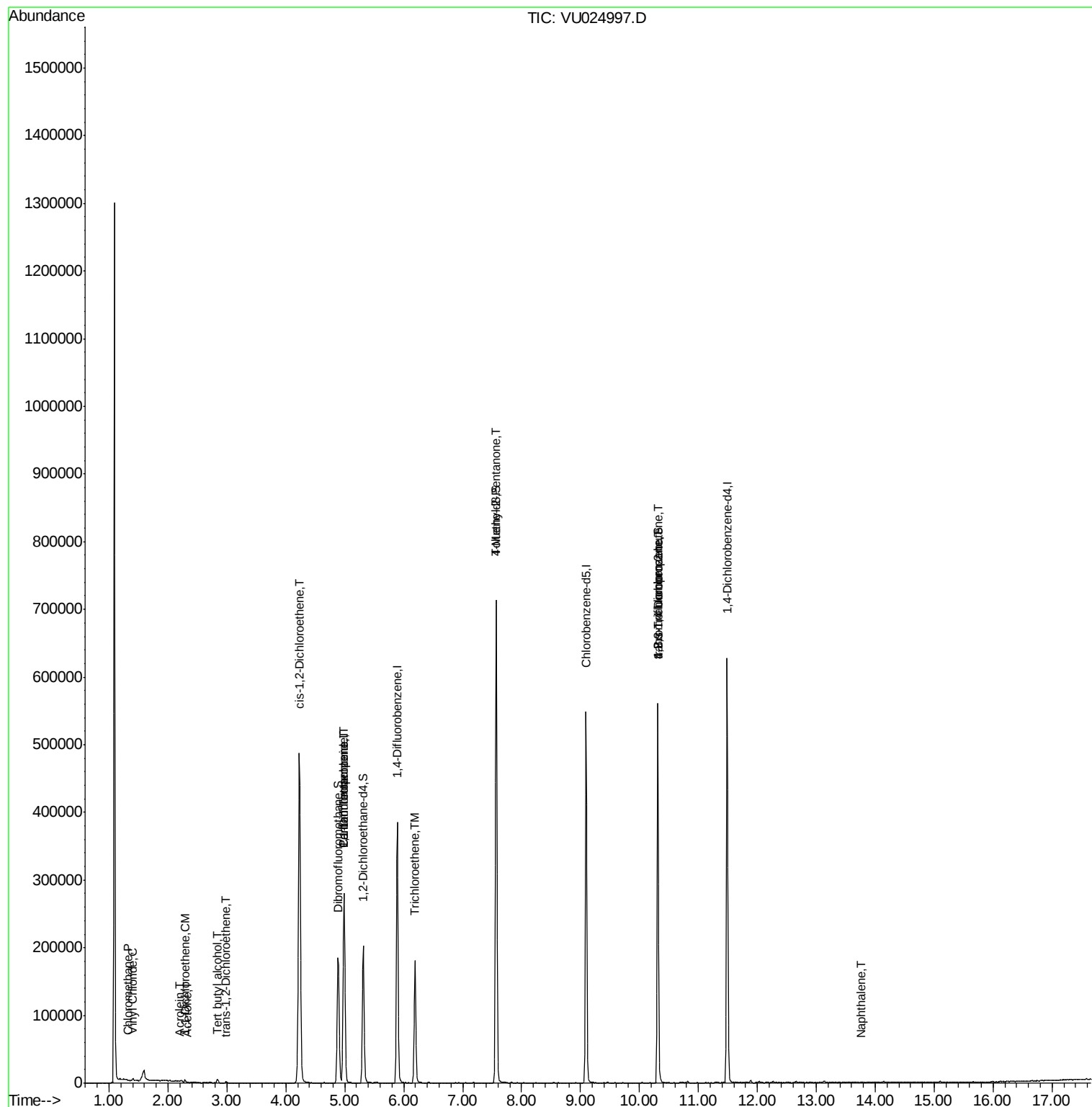
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	723	0.262	ug/l #	86
4) Vinyl Chloride	1.40	62	1807	0.635	ug/l	91
6) Chloroethane	1.62	64	82	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	3163	3.690	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	1109	0.451	ug/l	83
13) Acrolein	2.20	56	278	0.618	ug/l #	50
16) Acetone	2.32	43	987	0.521	ug/l #	44
21) trans-1,2-Dichloroethene	2.99	96	631	0.233	ug/l	85
27) cis-1,2-Dichloroethene	4.23	96	275621	88.551	ug/l	88
31) Cyclohexane	4.99	56	4674	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15396	4.023	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21316	5.065	ug/l #	16
44) Trichloroethene	6.19	130	63610	20.496	ug/l	97
51) 4-Methyl-2-Pentanone	7.56	43	2269	0.501	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	94081	25.399	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	94081	58.785	ug/l #	100
95) Naphthalene	13.75	128	111	0.688	ug/l #	69

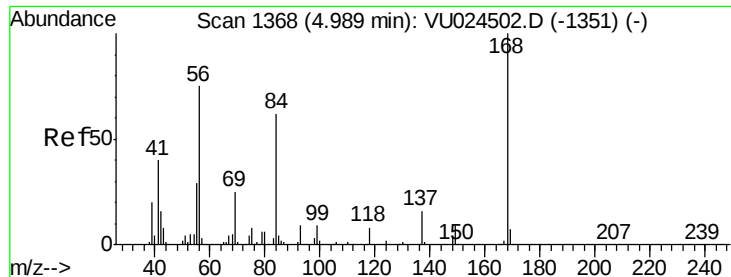
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

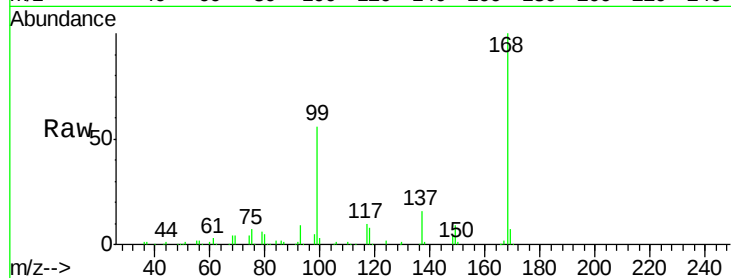
WP021SB478-27-29-180621ME

Tgt Ion:168 Resp: 215882

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

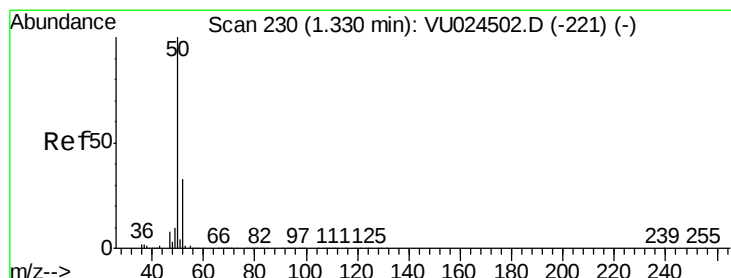
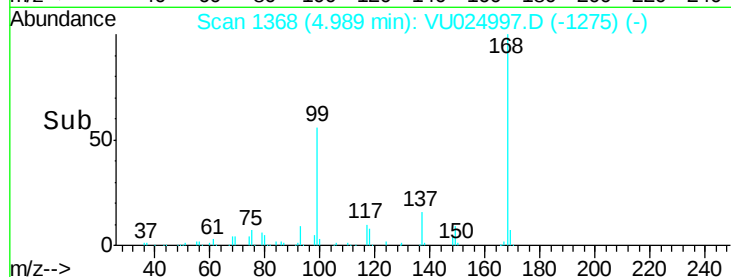
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024997.D

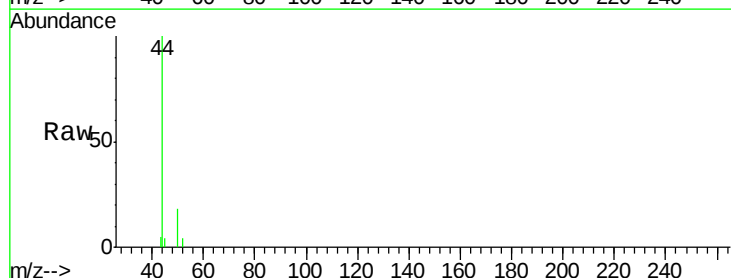
Acq: 28 Jun 2018 04:10

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

50 100

52 24.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

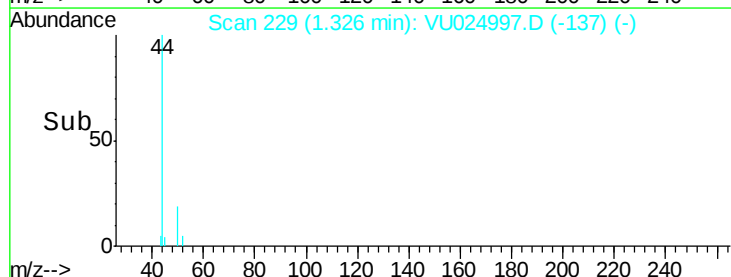
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.635 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

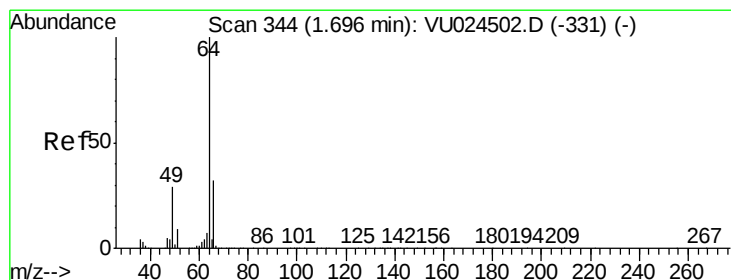
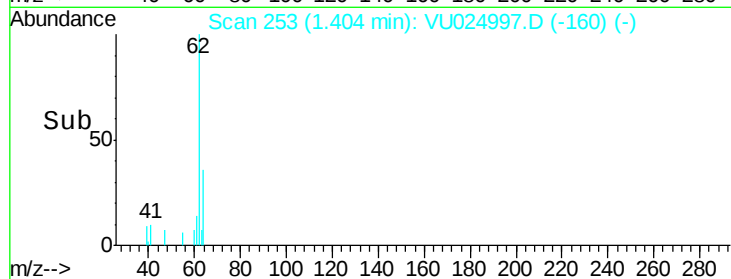
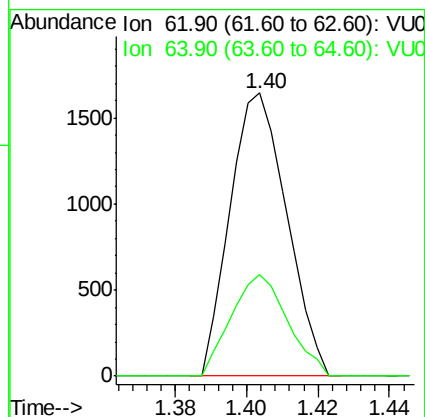
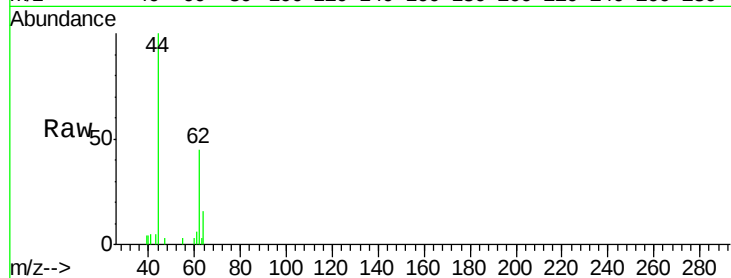
WP021SB478-27-29-180621ME

Tgt Ion: 62 Resp: 1807

Ion Ratio Lower Upper

62 100

64 35.7 24.8 37.2



#6

Chloroethane

Concen: Below Cal

RT: 1.62 min Scan# 321

Delta R.T. -0.07 min

Lab File: VU024997.D

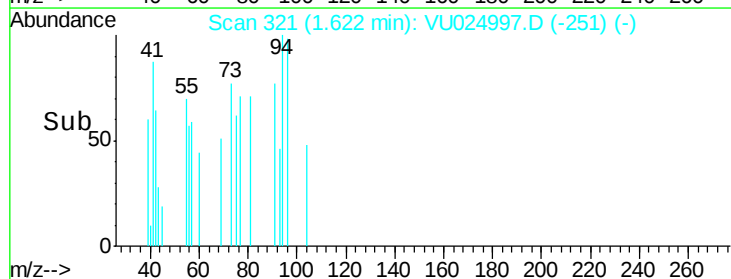
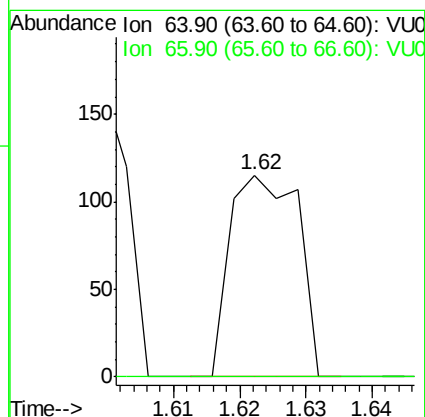
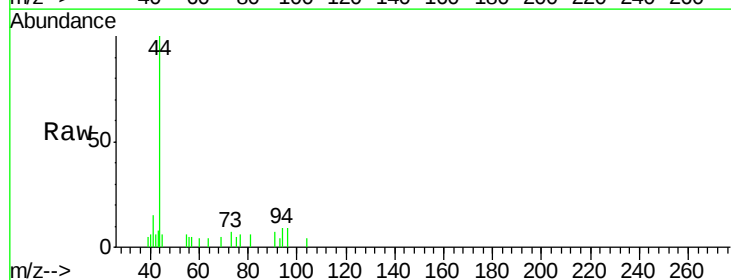
Acq: 28 Jun 2018 04:10

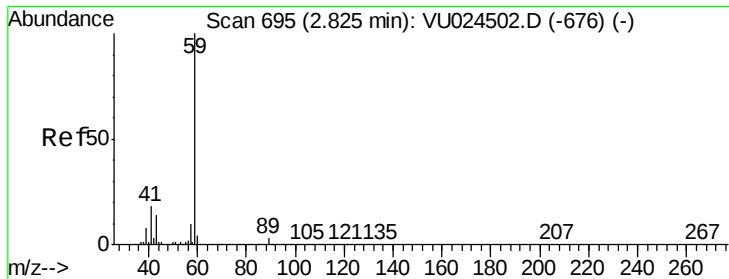
Tgt Ion: 64 Resp: 82

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

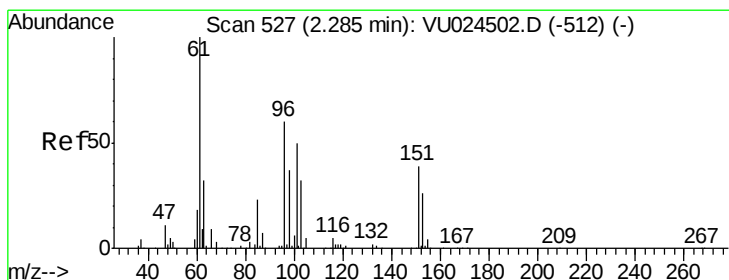
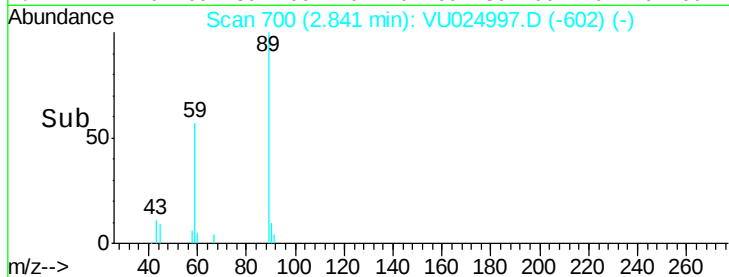
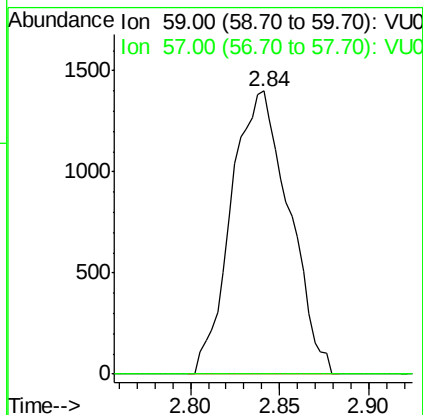
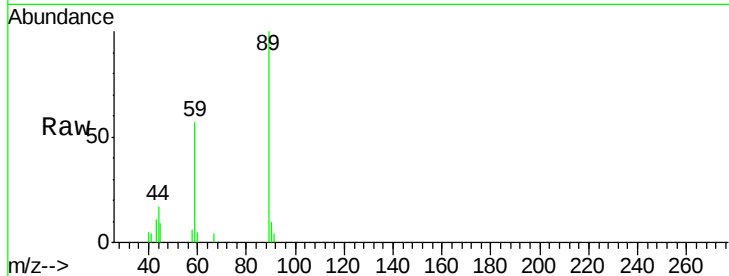




#11
Tert butyl alcohol
Concen: 3.690 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024997.D
Acq: 28 Jun 2018 04:10

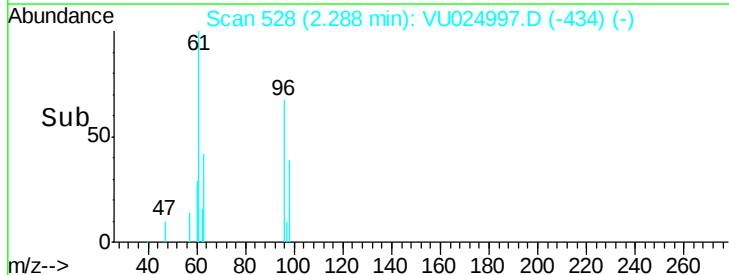
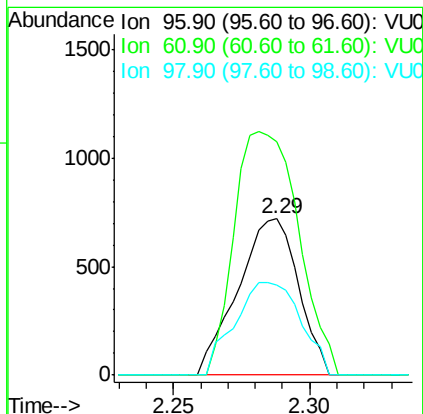
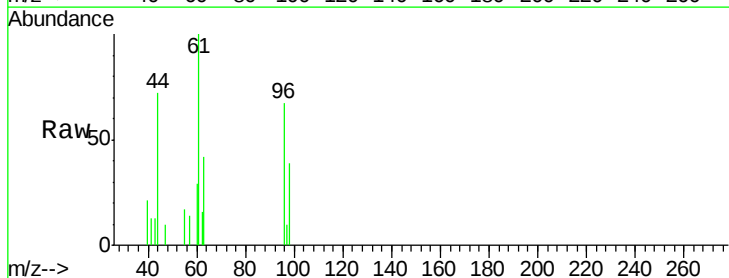
Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-27-29-180621ME

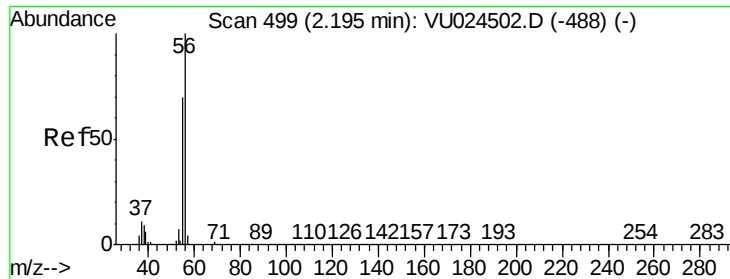
Tgt Ion: 59 Resp: 3163
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.451 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024997.D
Acq: 28 Jun 2018 04:10

Tgt Ion: 96 Resp: 1109
Ion Ratio Lower Upper
96 100
61 149.6 141.7 212.5
98 57.9 51.6 77.4





#13

Acrolein

Concen: 0.618 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

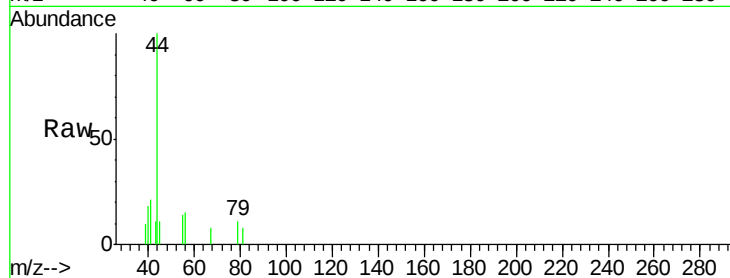
WP021SB478-27-29-180621ME

Tgt Ion: 56 Resp: 278

Ion Ratio Lower Upper

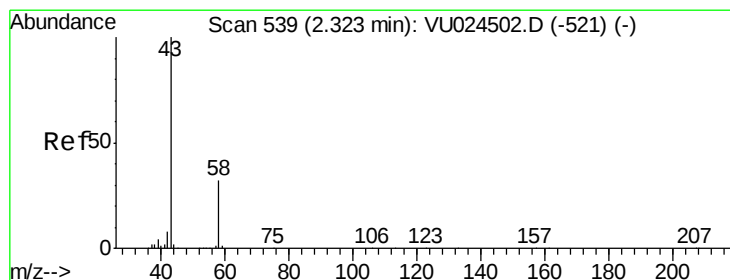
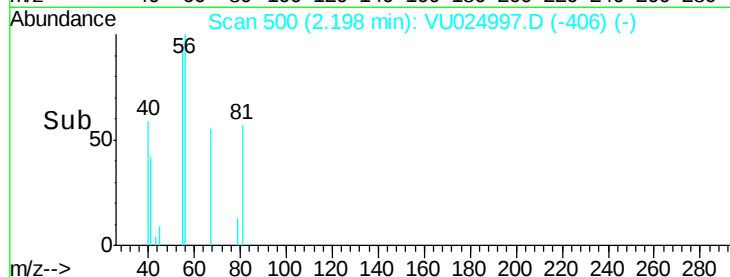
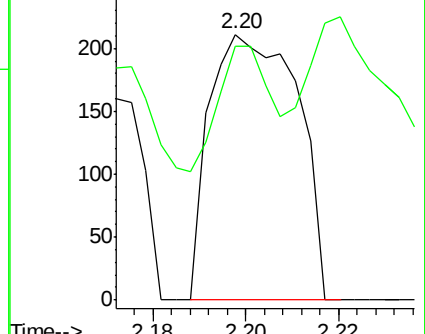
56 100

55 31.3 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.521 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024997.D

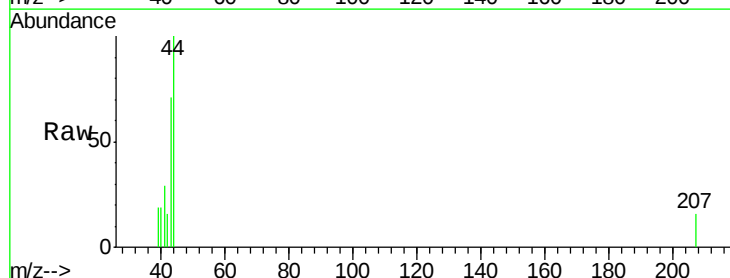
Acq: 28 Jun 2018 04:10

Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

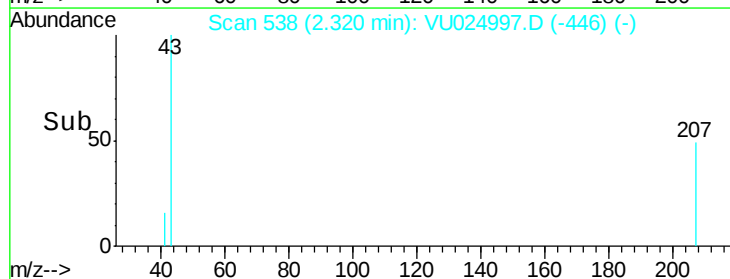
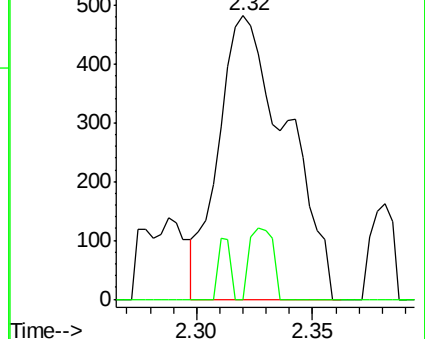
43 100

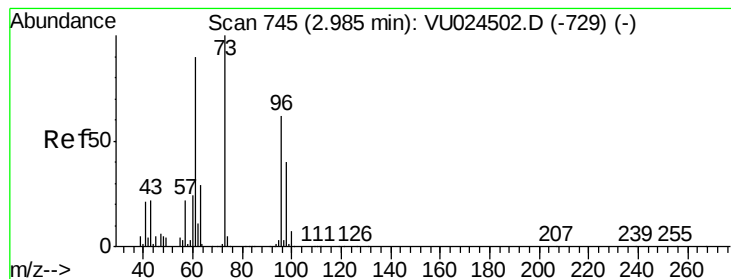
58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#21

trans-1,2-Dichloroethene

Concen: 0.233 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

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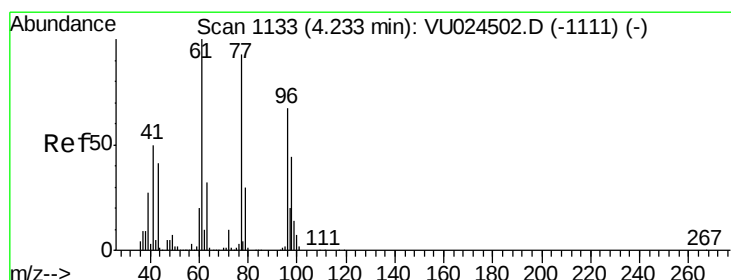
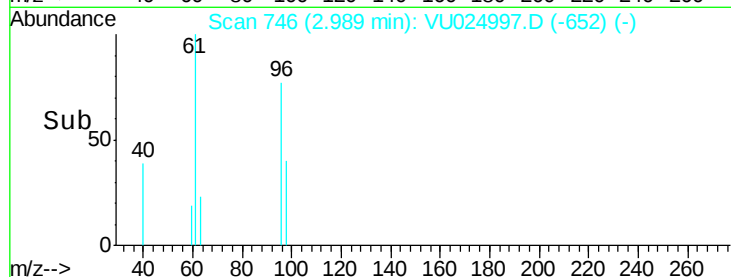
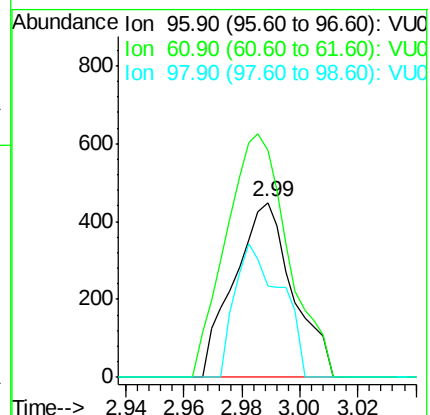
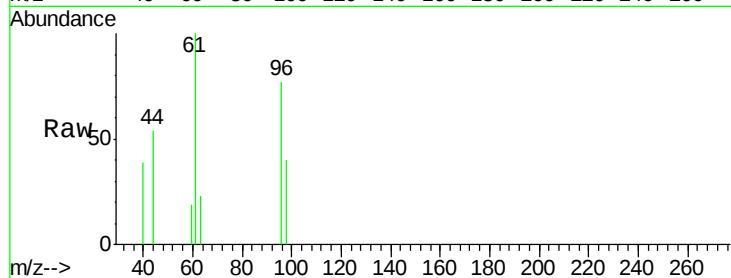
Tgt Ion: 96 Resp: 631

Ion Ratio Lower Upper

96 100

61 129.8 119.4 179.0

98 52.3 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 88.551 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

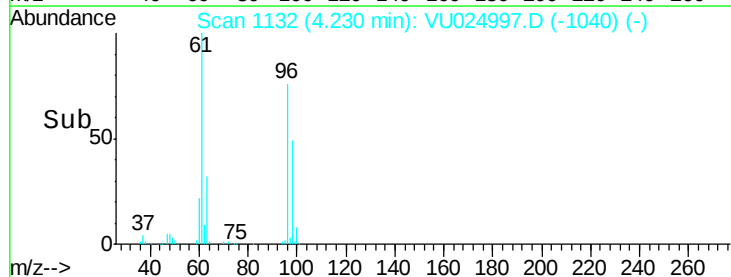
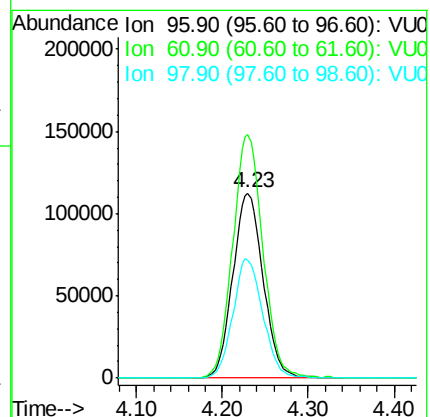
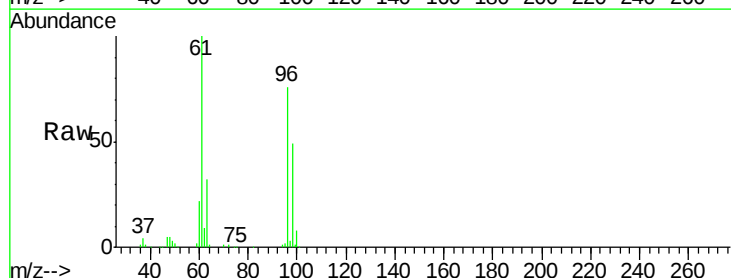
Tgt Ion: 96 Resp: 275621

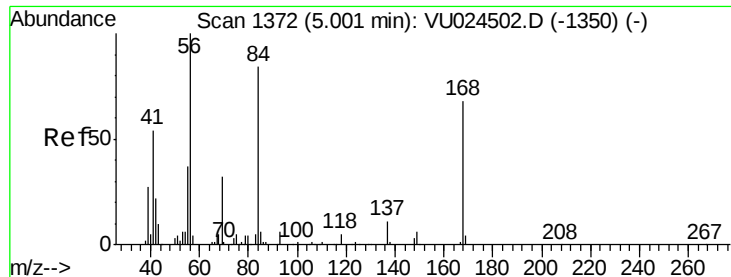
Ion Ratio Lower Upper

96 100

61 131.0 0.0 306.6

98 63.7 0.0 128.8

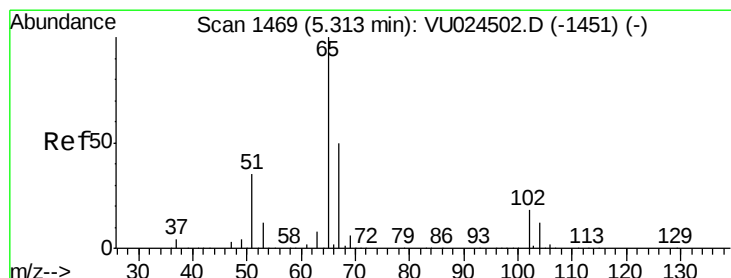
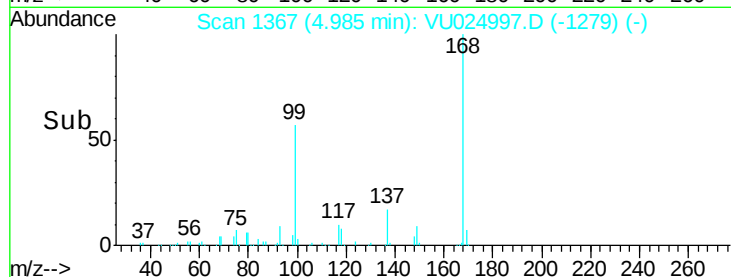
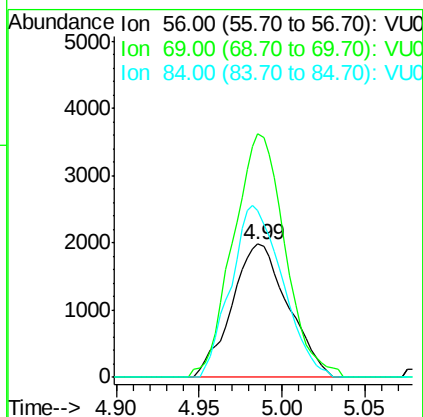
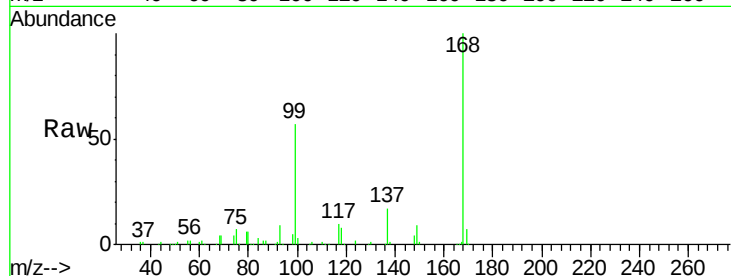




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024997.D
Acq: 28 Jun 2018 04:10

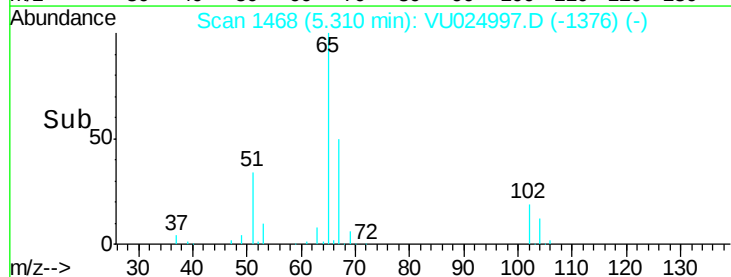
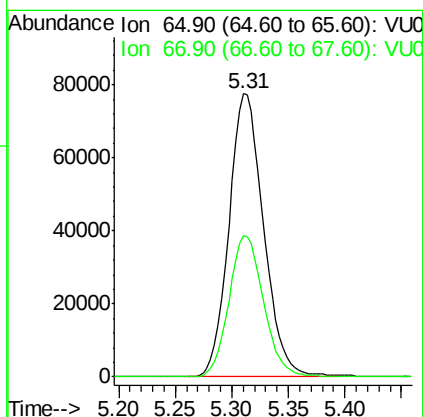
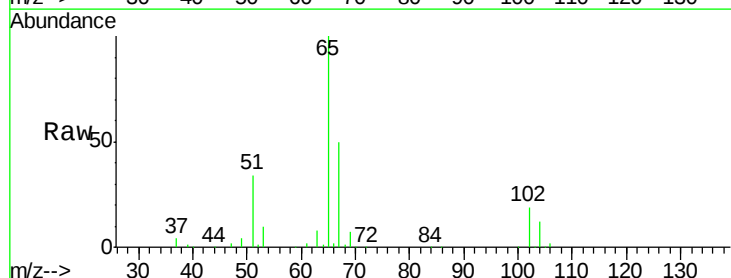
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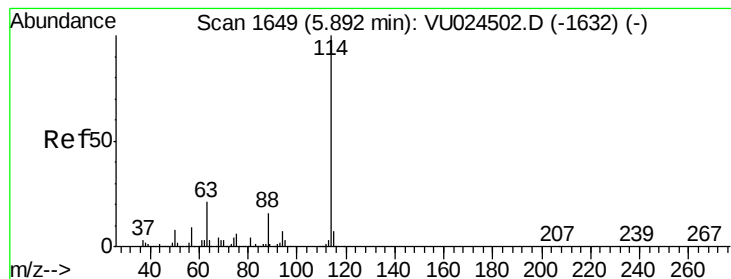
Tgt Ion: 56 Resp: 4674
Ion Ratio Lower Upper
56 100
69 182.7 24.8 37.2#
84 125.0 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.930 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU024997.D
Acq: 28 Jun 2018 04:10

Tgt Ion: 65 Resp: 165397
Ion Ratio Lower Upper
65 100
67 49.8 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-27-29-180621ME

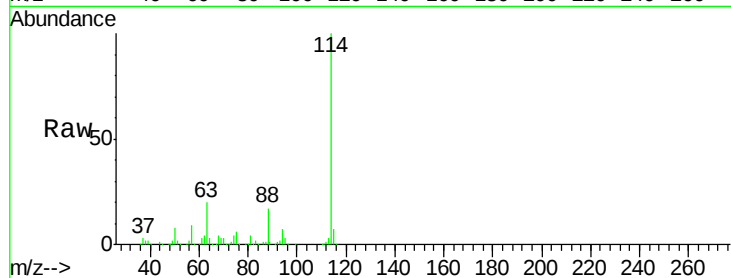
Tgt Ion:114 Resp: 325685

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

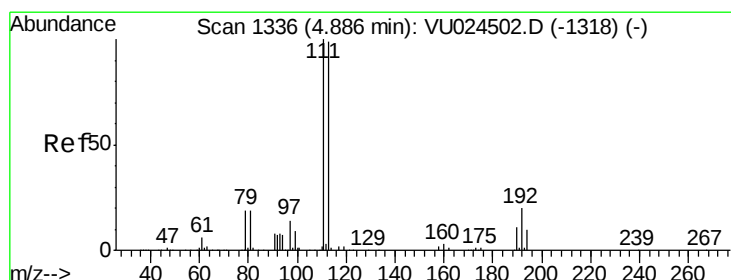
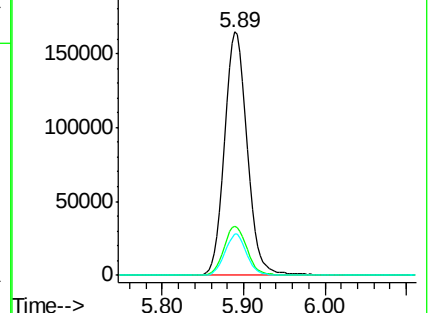
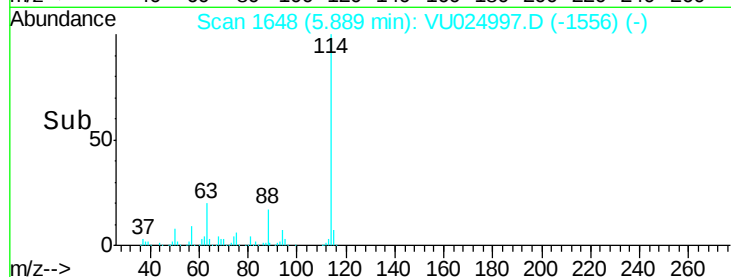
88 16.8 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.835 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

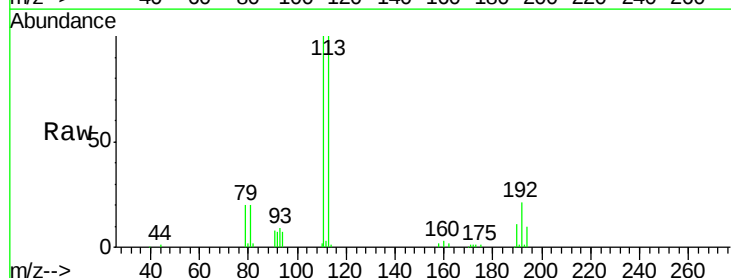
Tgt Ion:113 Resp: 126592

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

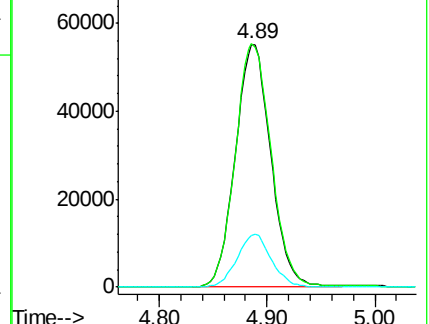
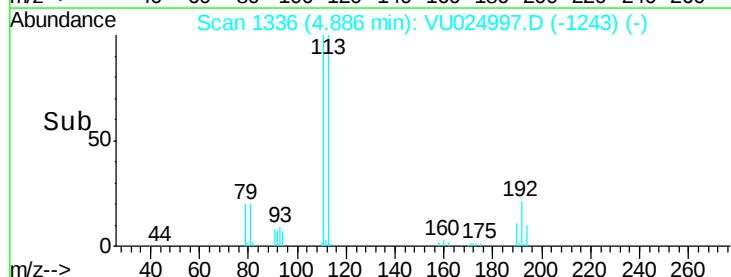
192 21.1 16.2 24.4

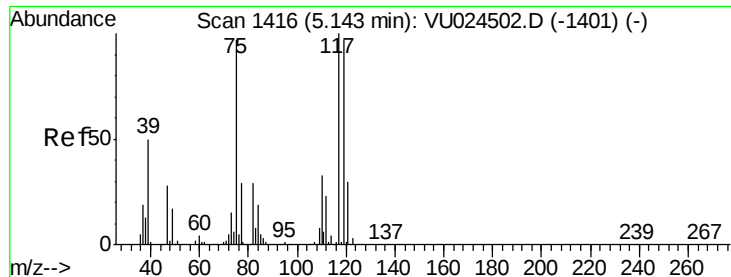


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.023 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

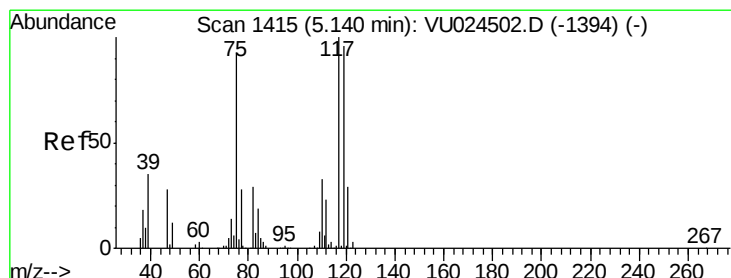
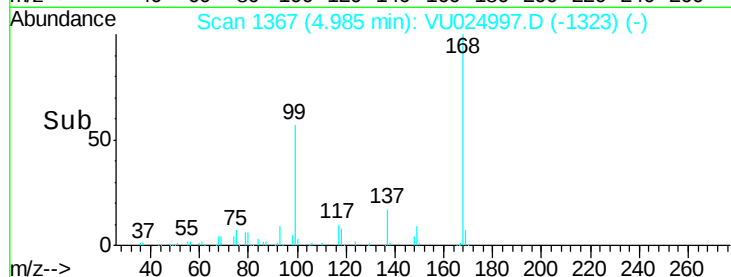
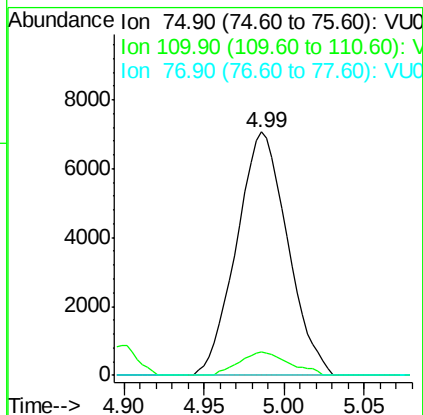
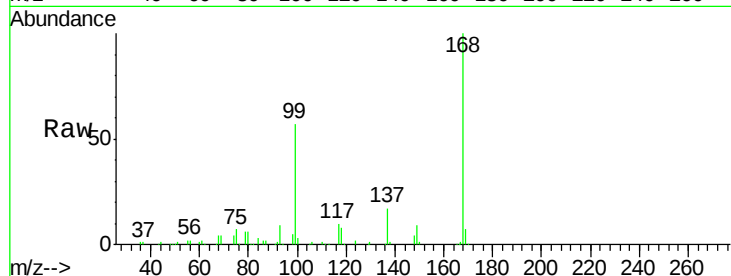
Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-27-29-180621ME

Tgt Ion:	75	Resp:	15396
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.0	50.9#
77	0.0	24.2	36.4#



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

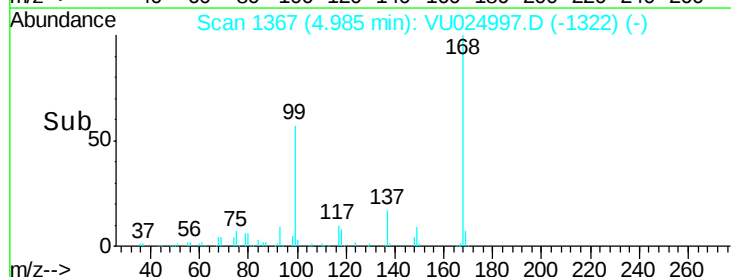
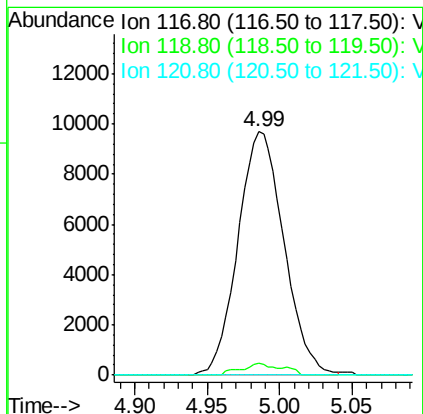
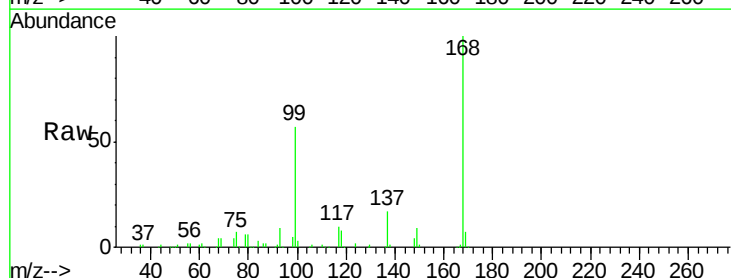
RT: 4.99 min Scan# 1367

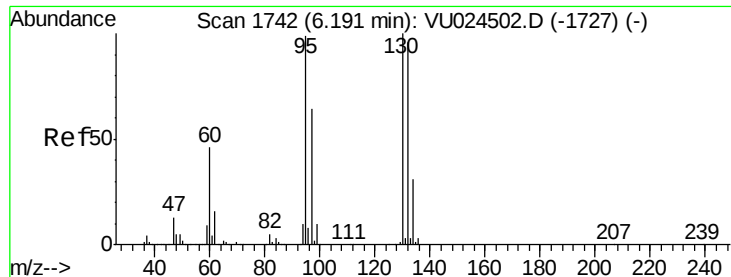
Delta R.T. -0.15 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Tgt Ion:	117	Resp:	21316
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.1	114.1#
121	0.0	23.7	35.5#





#44

Trichloroethene

Concen: 20.496 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

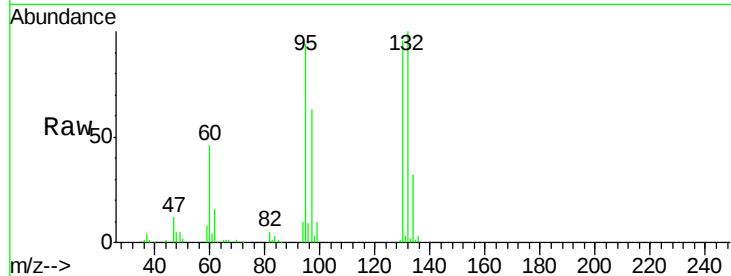
WP021SB478-27-29-180621ME

Tgt Ion:130 Resp: 63610

Ion Ratio Lower Upper

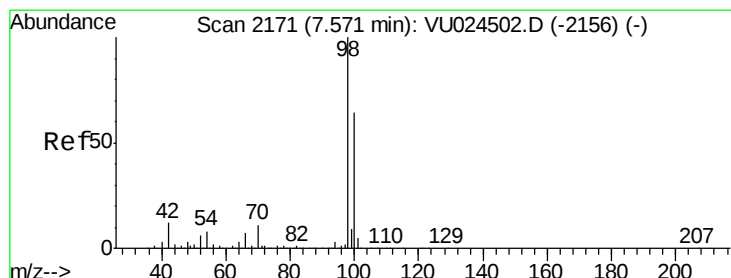
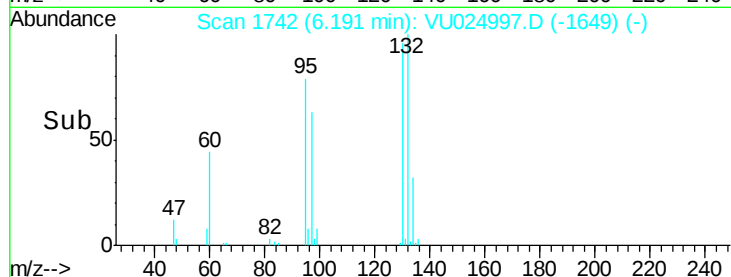
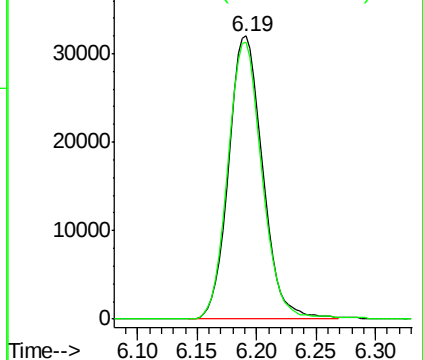
130 100

95 97.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.506 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024997.D

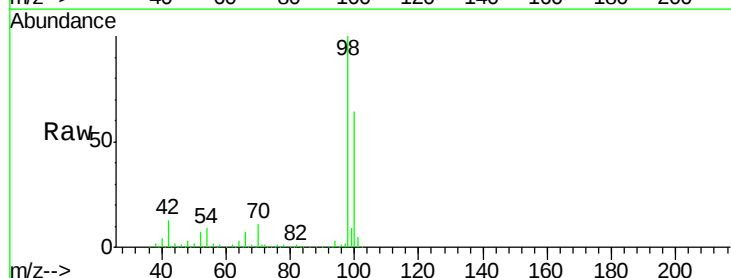
Acq: 28 Jun 2018 04:10

Tgt Ion: 98 Resp: 468372

Ion Ratio Lower Upper

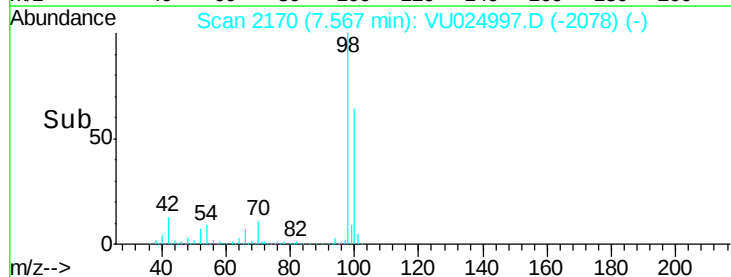
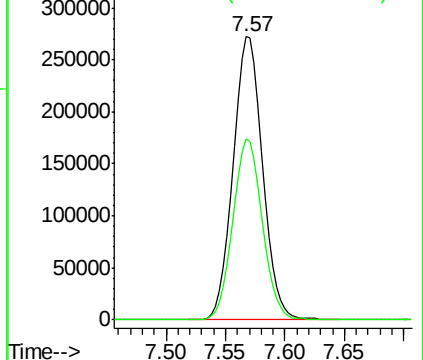
98 100

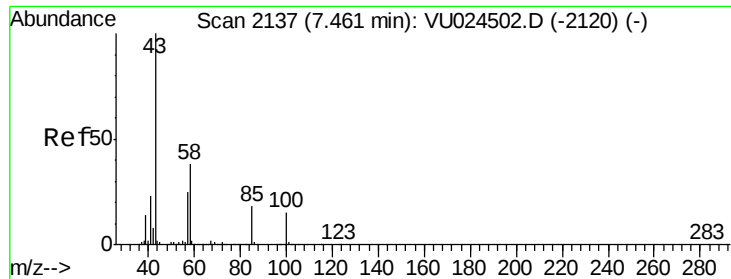
100 63.9 51.1 76.7



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: 0.501 ug/l

RT: 7.56 min Scan# 2169

Delta R.T. 0.10 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

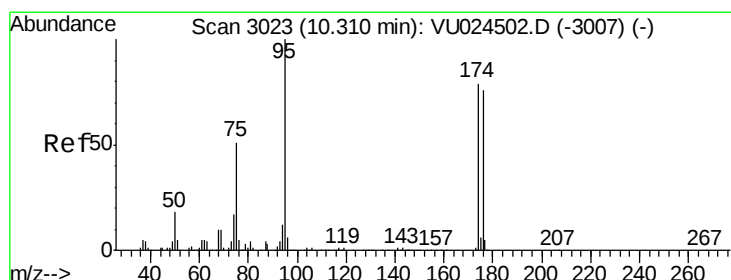
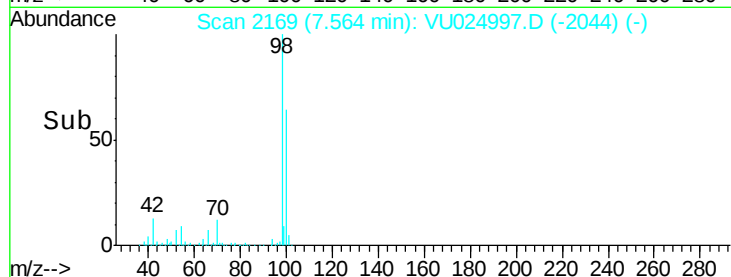
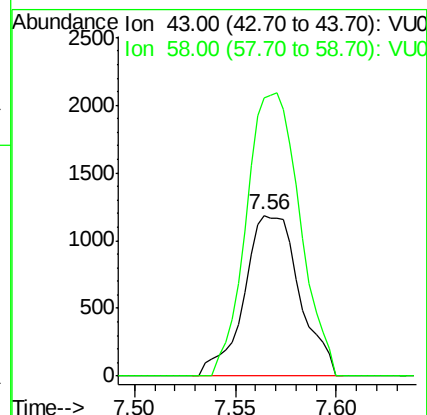
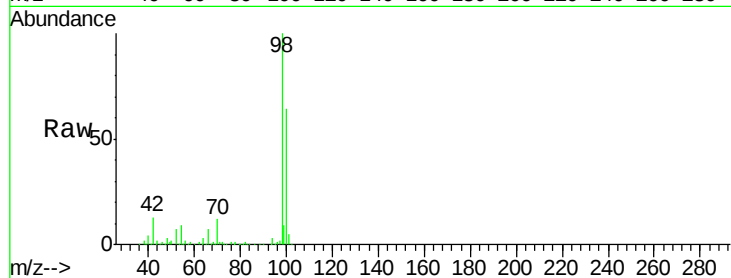
WP021SB478-27-29-180621ME

Tgt Ion: 43 Resp: 2269

Ion Ratio Lower Upper

43 100

58 170.4 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 46.045 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

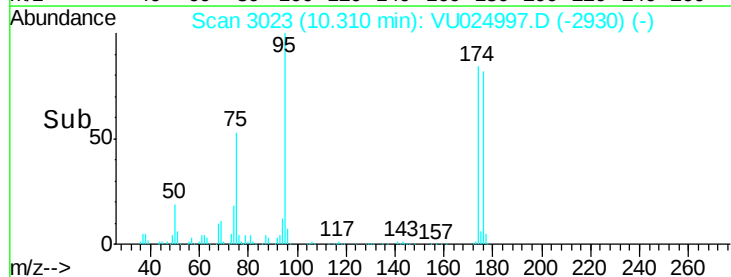
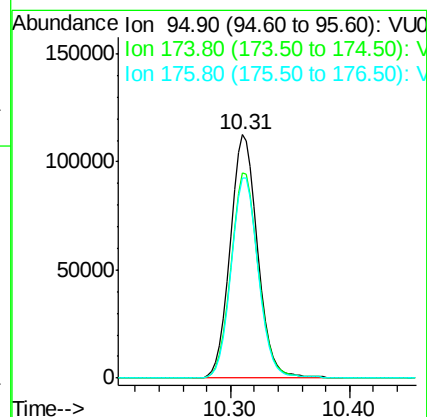
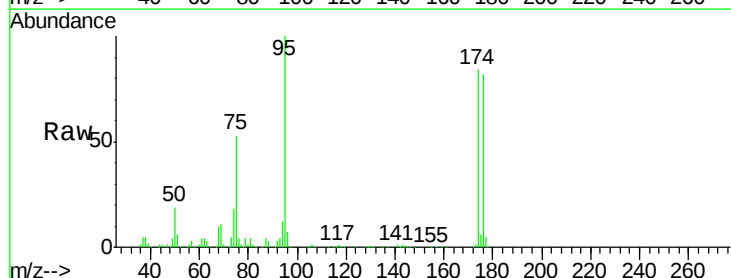
Tgt Ion: 95 Resp: 180244

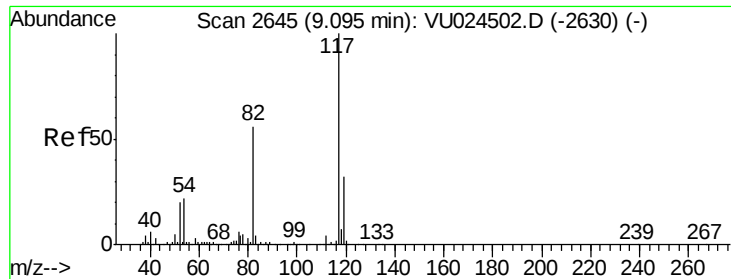
Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

176 81.7 0.0 159.4

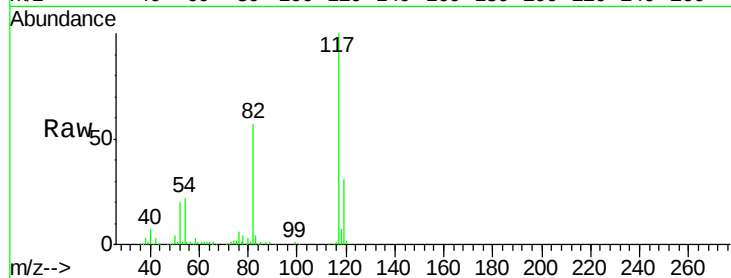




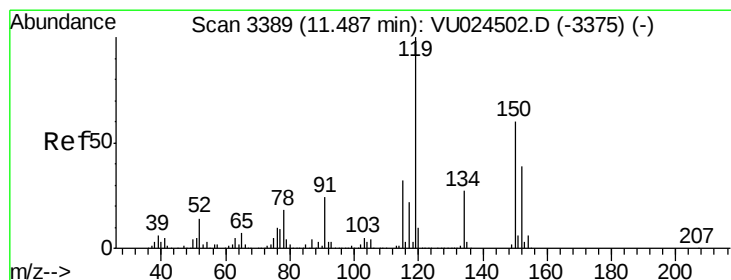
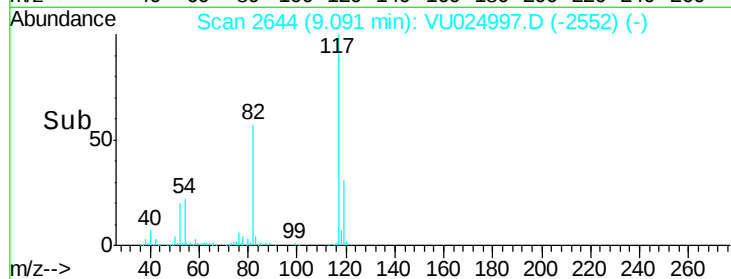
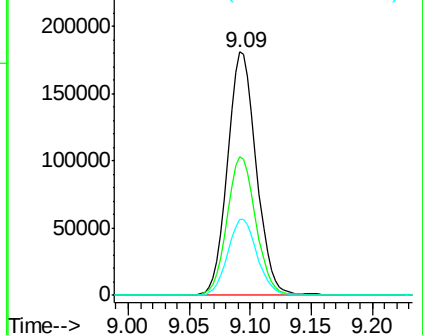
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024997.D
 Acq: 28 Jun 2018 04:10

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB478-27-29-180621ME

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.3	66.5
119	31.0	25.4	38.2

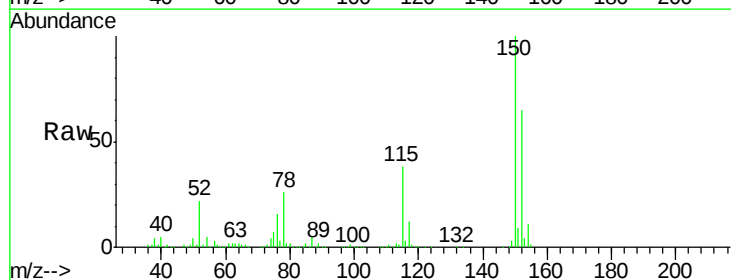


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

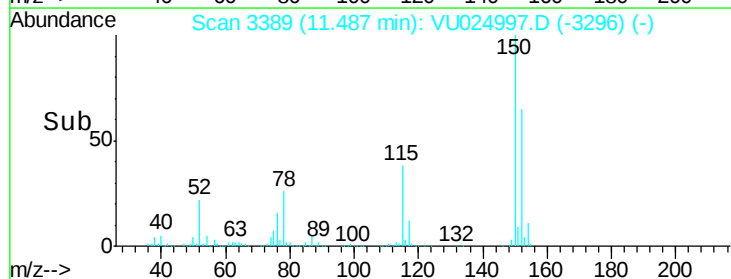
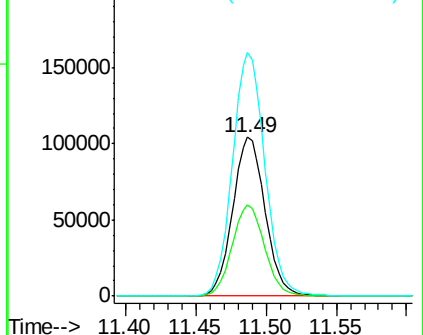


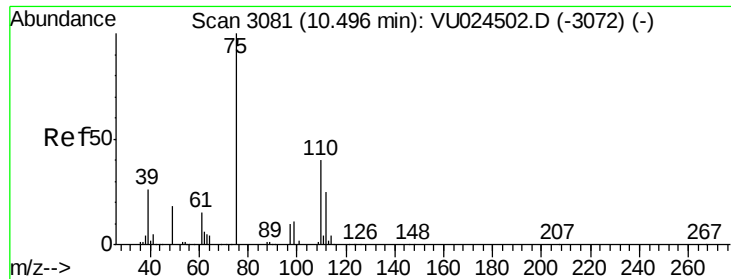
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024997.D
 Acq: 28 Jun 2018 04:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	43.0	129.0
150	153.4	0.0	354.0



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: 25.399 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

Instrument :

MSVOA_U

ClientSampleId :

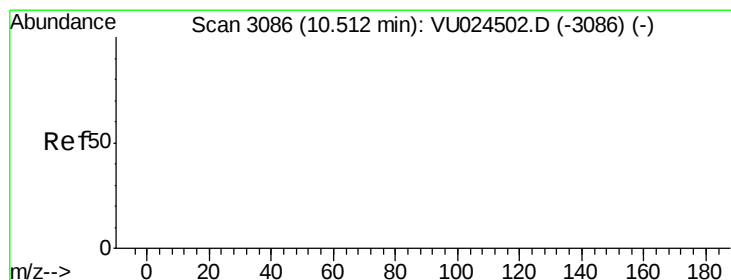
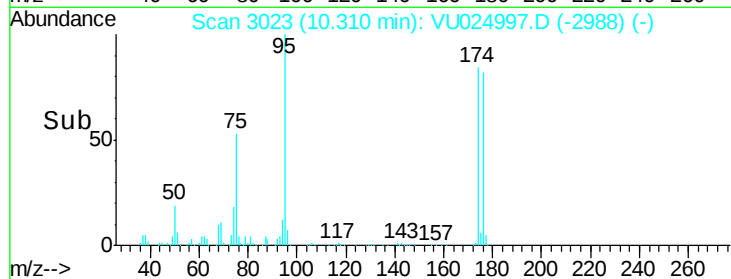
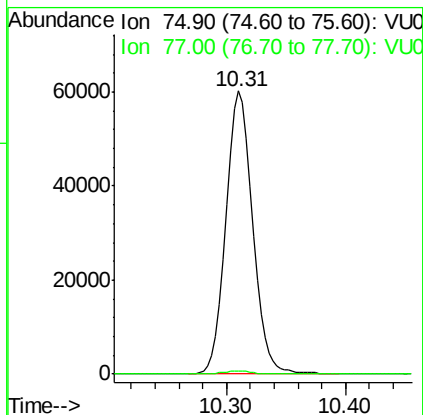
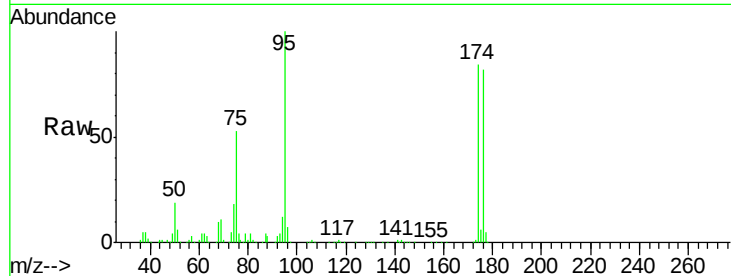
WP021SB478-27-29-180621ME

Tgt Ion: 75 Resp: 94081

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.785 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024997.D

Acq: 28 Jun 2018 04:10

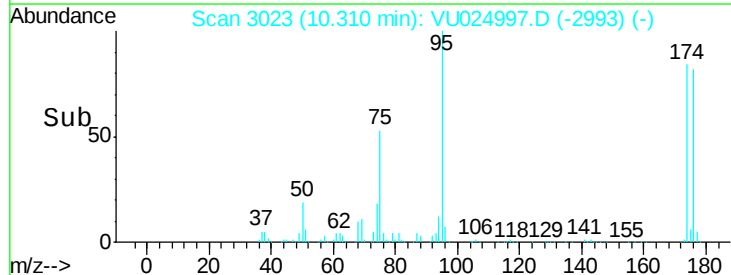
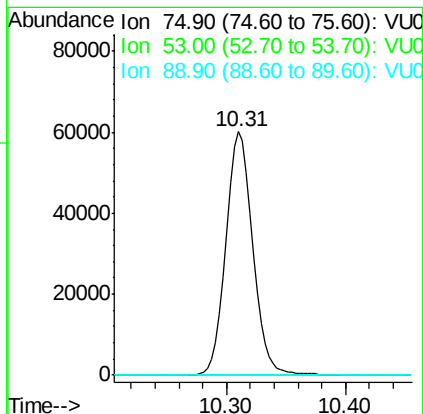
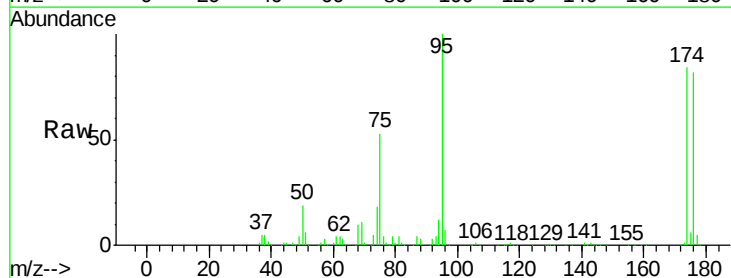
Tgt Ion: 75 Resp: 94081

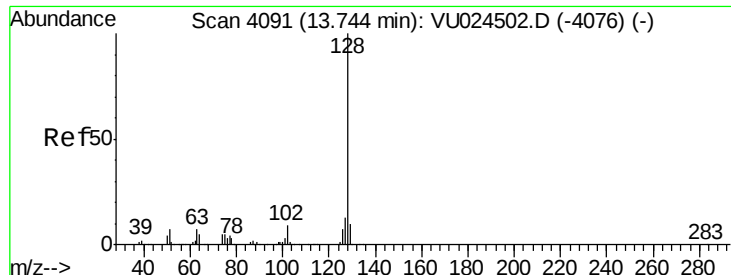
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.688 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU024997.D
Acq: 28 Jun 2018 04:10

Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-27-29-180621ME

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

