

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024943.D
 Acq On : 27 Jun 2018 00:46
 Operator : MD/SY
 Sample : J3669-26ME 5X
 Misc : 6.02g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

Quant Time: Jun 27 04:18:03 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	213347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325577	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164552	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	160569	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
35) Dibromofluoromethane	4.89	113	123511	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.42%	
50) Toluene-d8	7.57	98	468611	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	10.31	95	176258	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	

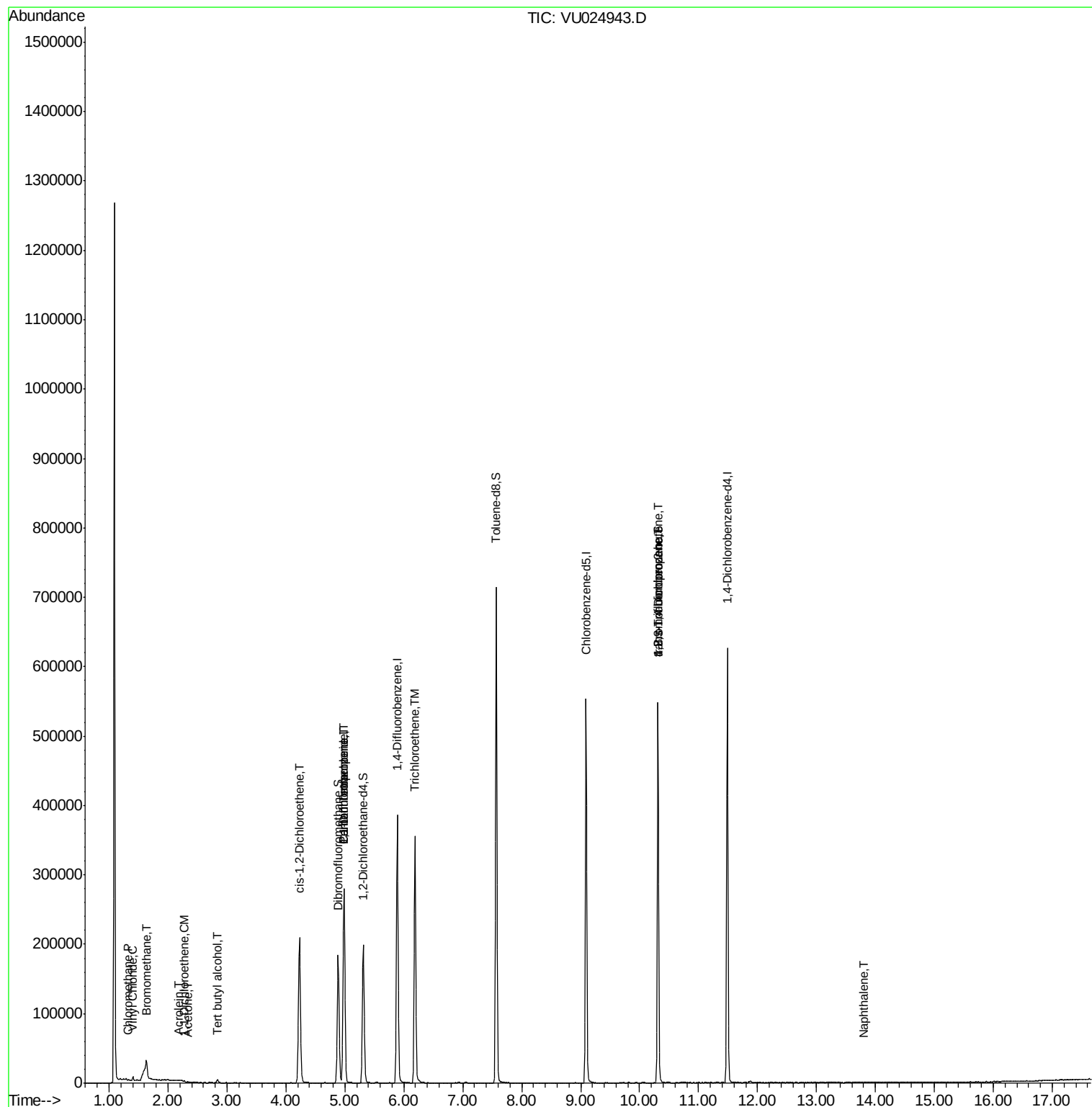
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	767	0.281	ug/l #	42
4) Vinyl Chloride	1.40	62	3462	1.230	ug/l	91
5) Bromomethane	1.62	94	442	0.325	ug/l	89
6) Chloroethane	1.68	64	42	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	2762	3.261	ug/l #	79
12) 1,1-Dichloroethene	2.28	96	521	0.214	ug/l	97
13) Acrolein	2.19	56	128	0.288	ug/l #	13
16) Acetone	2.33	43	1047	0.559	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	116053	37.728	ug/l	89
31) Cyclohexane	4.99	56	4552	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15679	4.098	ug/l #	49
38) Carbon Tetrachloride	4.99	117	20481	4.868	ug/l #	16
44) Trichloroethene	6.19	130	124791	40.223	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	91184	25.169	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	91184	58.252	ug/l #	100
95) Naphthalene	13.81	128	40	0.683	ug/l #	69

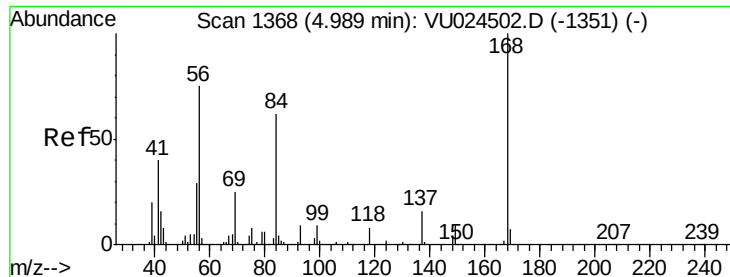
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

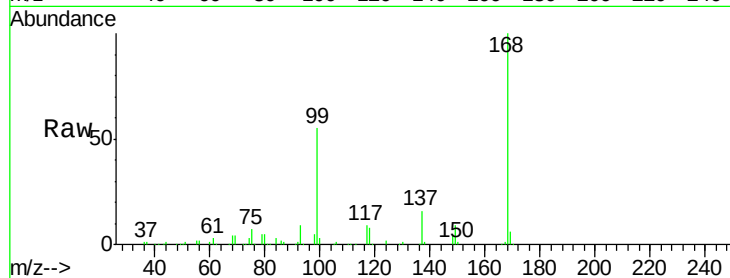
DUP-0479-180620ME

Tgt Ion:168 Resp: 213347

Ion Ratio Lower Upper

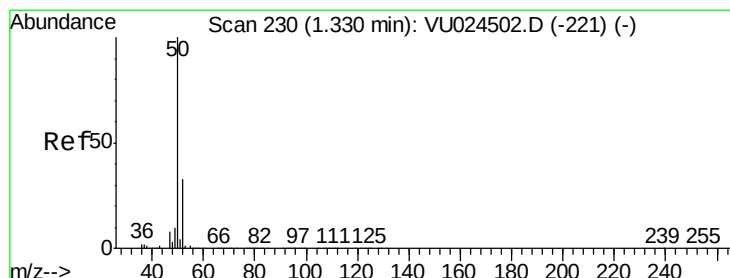
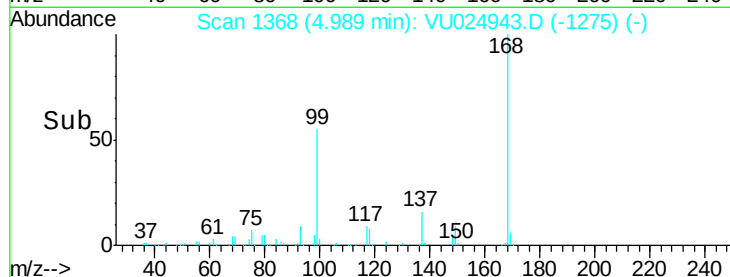
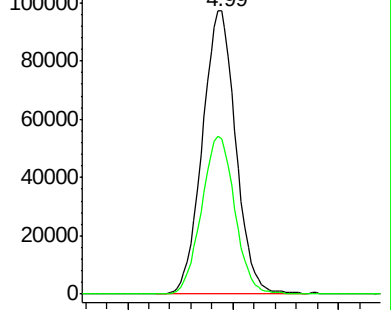
168 100

99 54.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.281 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024943.D

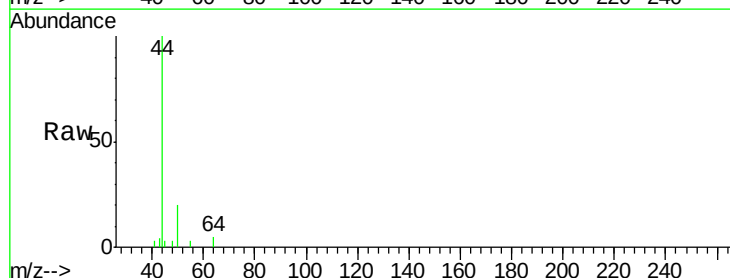
Acq: 27 Jun 2018 00:46

Tgt Ion: 50 Resp: 767

Ion Ratio Lower Upper

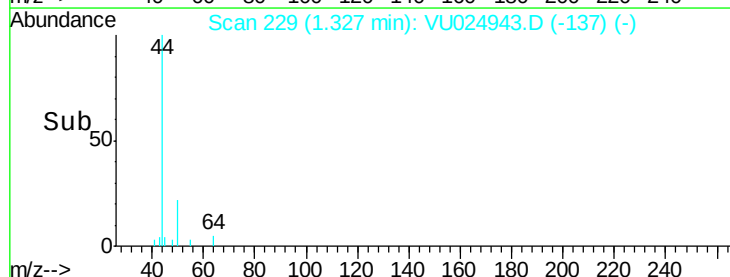
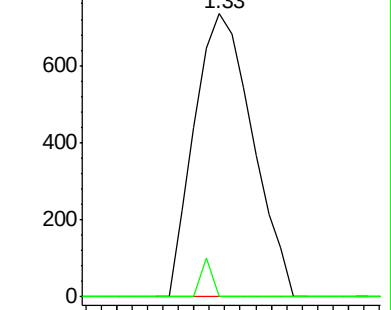
50 100

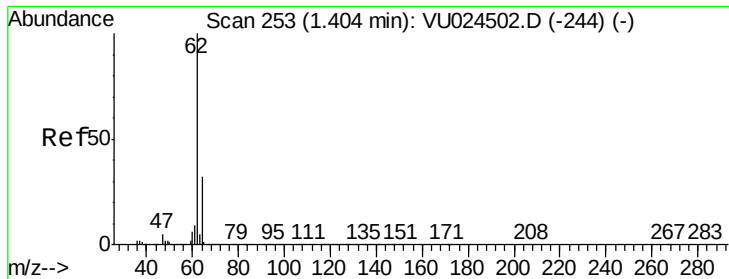
52 0.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#4

Vinyl Chloride

Concen: 1.230 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

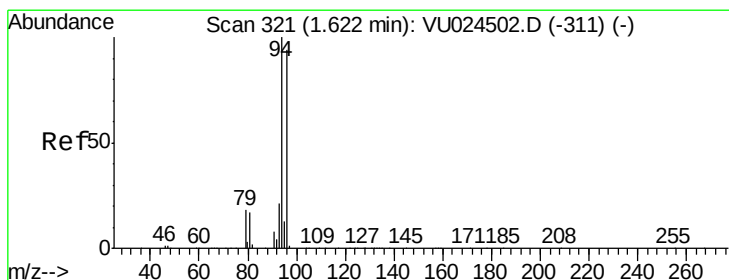
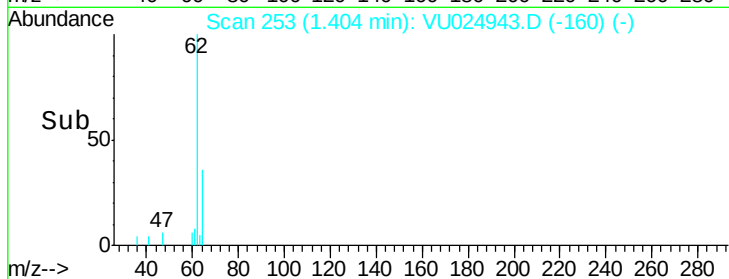
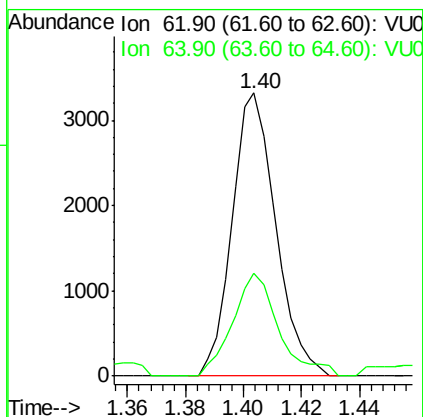
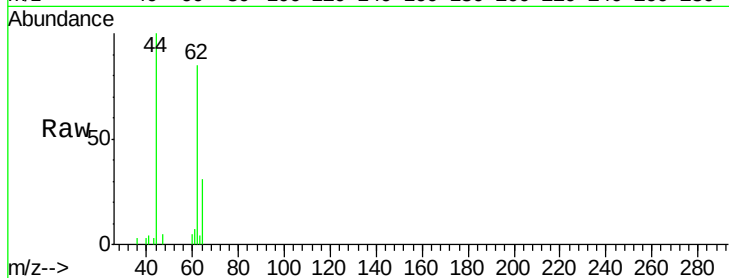
DUP-0479-180620ME

Tgt Ion: 62 Resp: 3462

Ion Ratio Lower Upper

62 100

64 36.2 24.8 37.2



#5

Bromomethane

Concen: 0.325 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024943.D

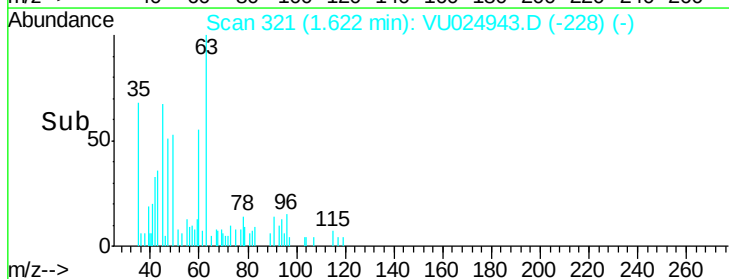
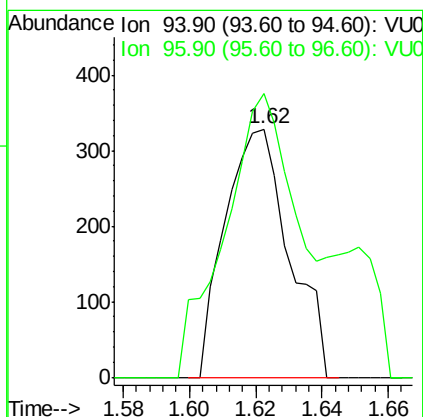
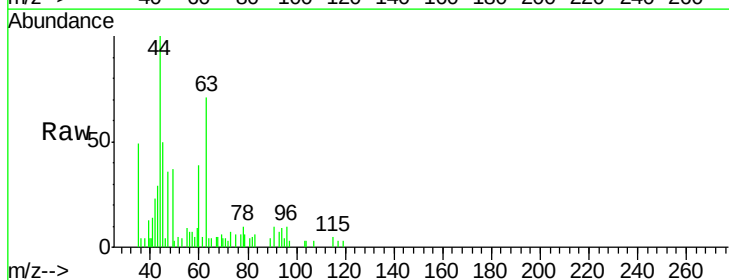
Acq: 27 Jun 2018 00:46

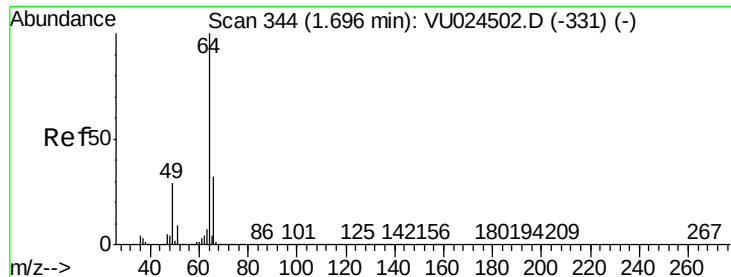
Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 82.9 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

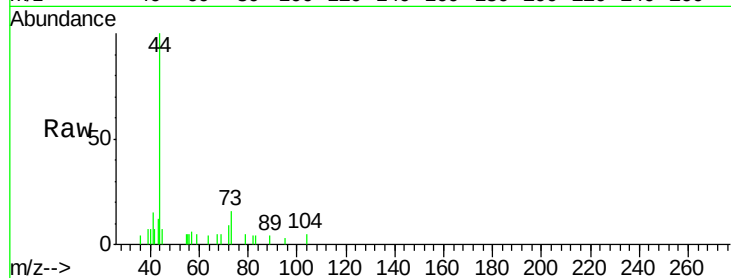
DUP-0479-180620ME

Tgt Ion: 64 Resp: 42

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

100

80

60

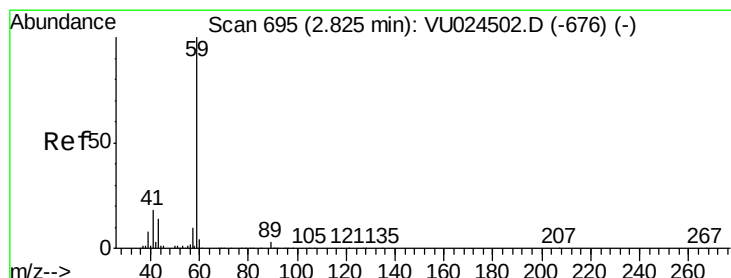
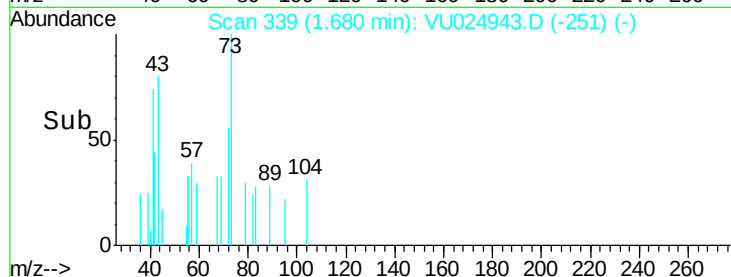
40

20

0

1.68 1.68 1.69 1.69

Time-->



#11

Tert butyl alcohol

Concen: 3.261 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU024943.D

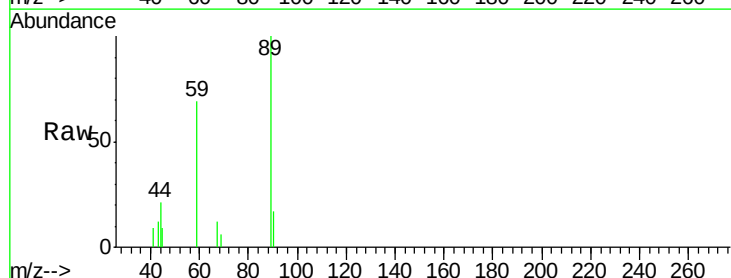
Acq: 27 Jun 2018 00:46

Tgt Ion: 59 Resp: 2762

Ion Ratio Lower Upper

59 100

57 2.8 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

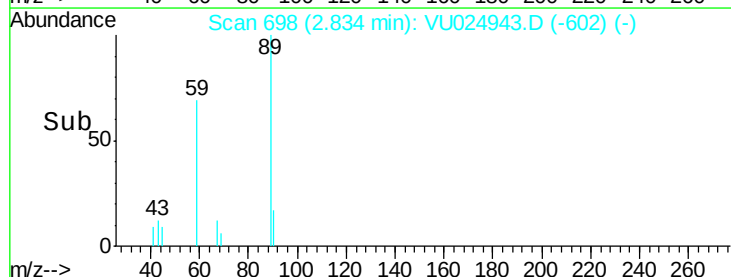
1000

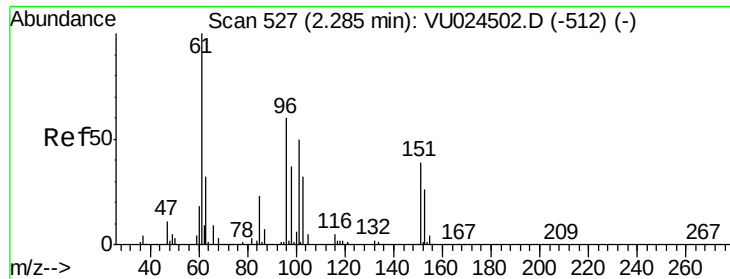
500

0

2.80 2.85 2.90

Time-->

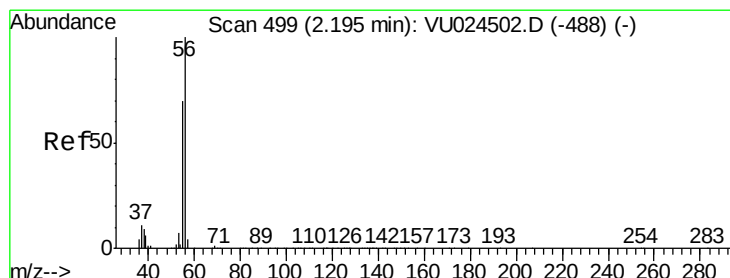
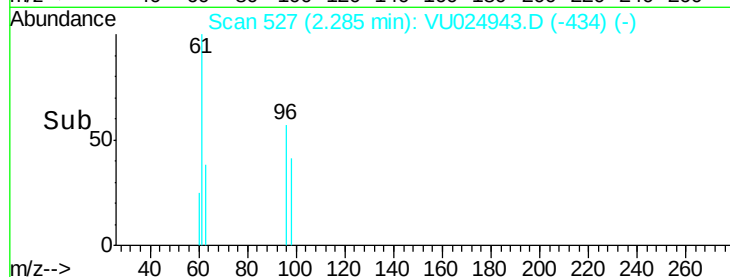
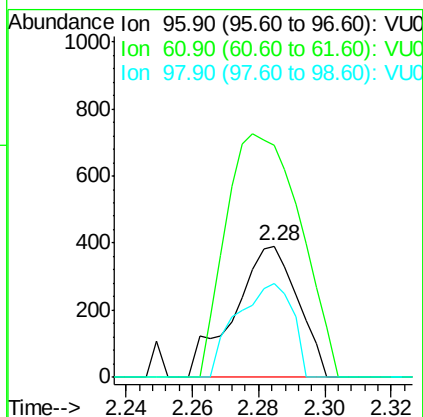
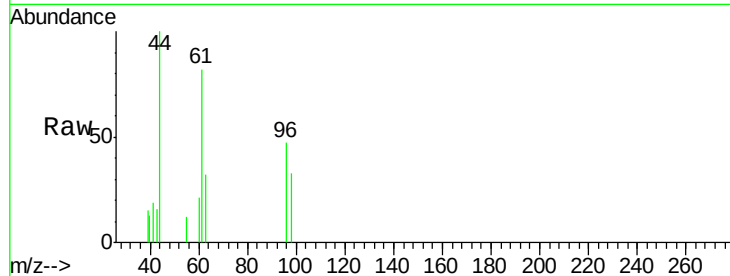




#12
 1,1-Dichloroethene
 Concen: 0.214 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU024943.D
 Acq: 27 Jun 2018 00:46

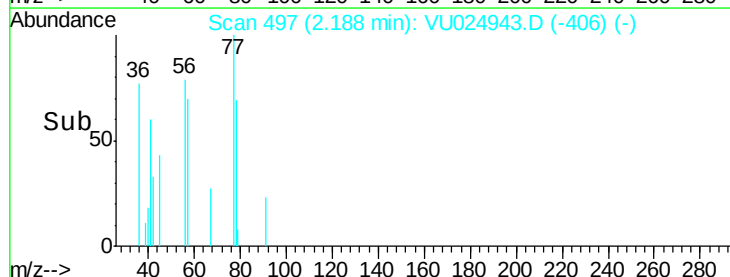
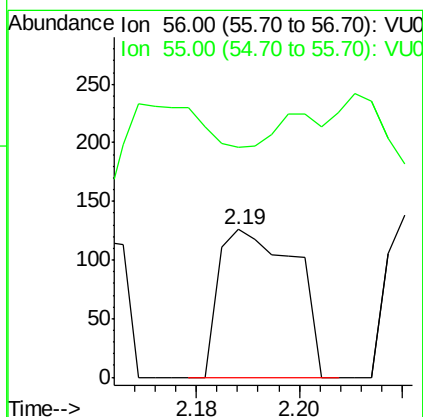
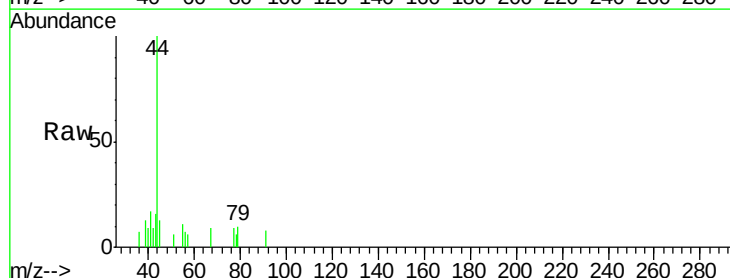
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

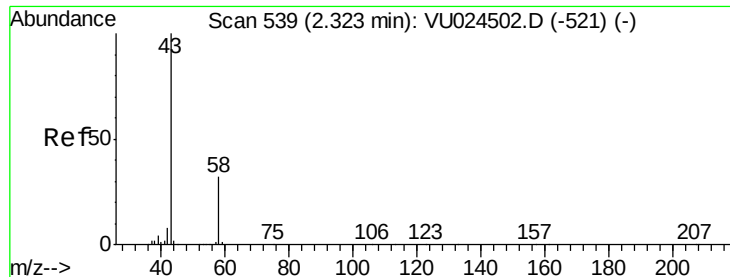
Tgt Ion: 96 Resp: 521
 Ion Ratio Lower Upper
 96 100
 61 176.5 141.7 212.5
 98 71.9 51.6 77.4



#13
 Acrolein
 Concen: 0.288 ug/l
 RT: 2.19 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VU024943.D
 Acq: 27 Jun 2018 00:46

Tgt Ion: 56 Resp: 128
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 0.559 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

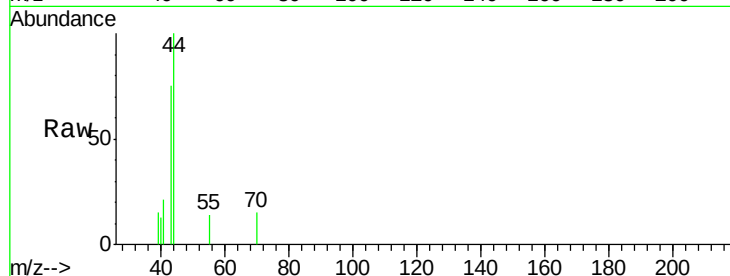
DUP-0479-180620ME

Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

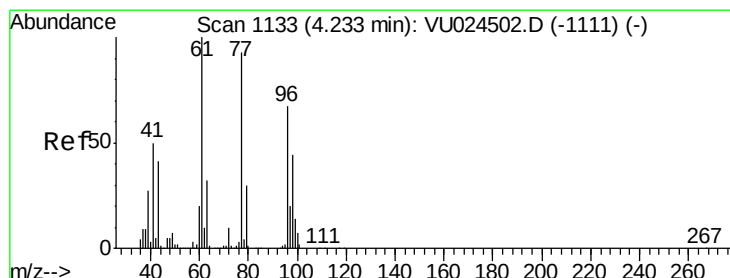
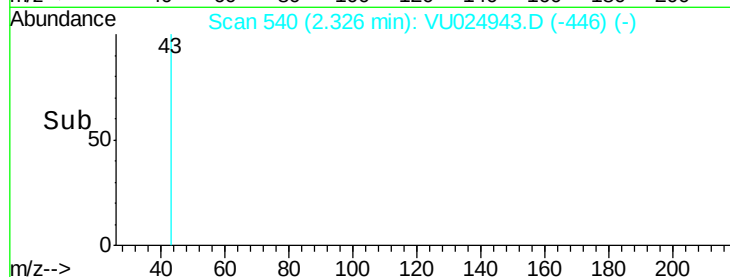
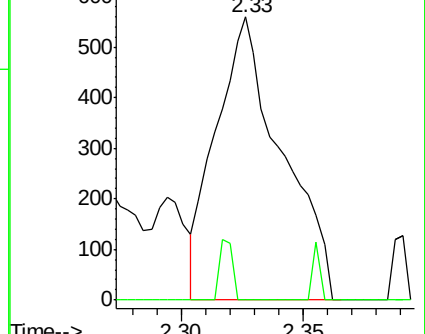
43 100

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



#27

cis-1,2-Dichloroethene

Concen: 37.728 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

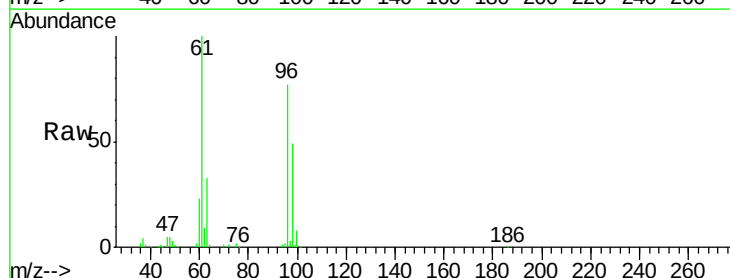
Tgt Ion: 96 Resp: 116053

Ion Ratio Lower Upper

96 100

61 133.5 0.0 306.6

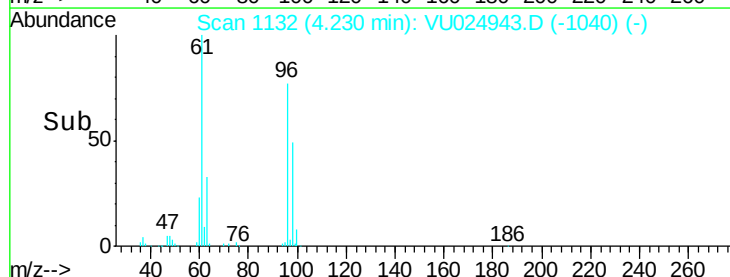
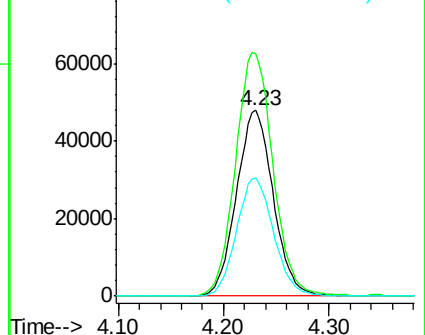
98 63.8 0.0 128.8

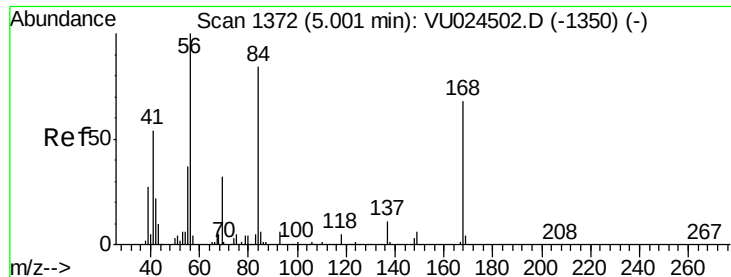


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

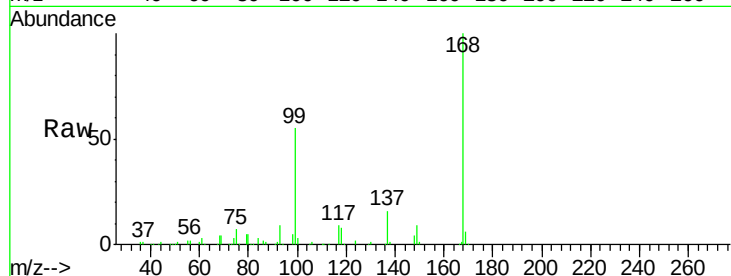




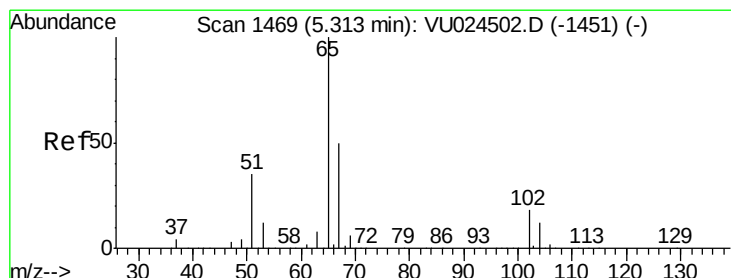
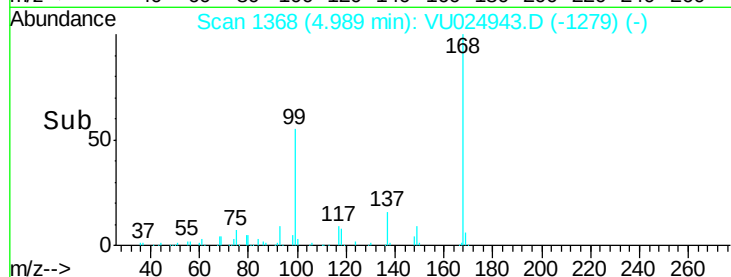
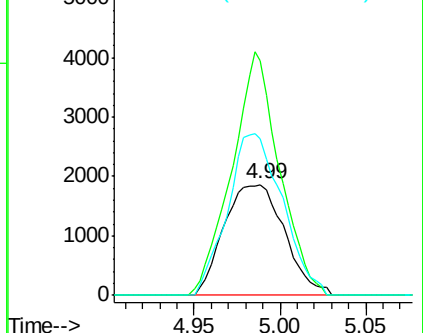
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024943.D
Acq: 27 Jun 2018 00:46

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 56 Resp: 4552
Ion Ratio Lower Upper
56 100
69 211.5 24.8 37.2#
84 140.8 65.2 97.8#

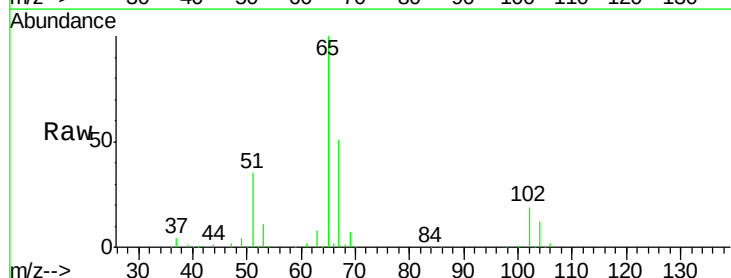


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

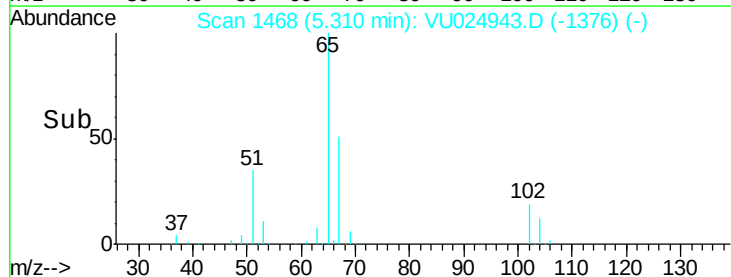
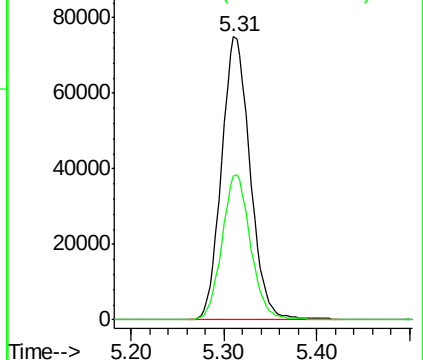


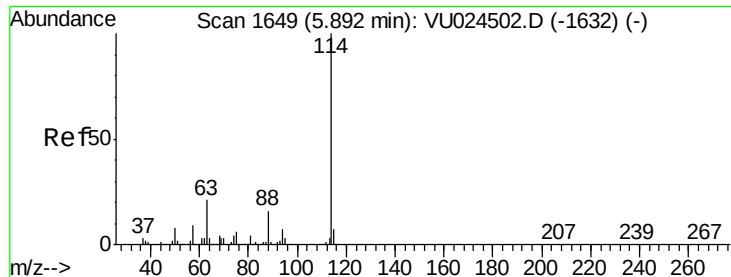
#33
1,2-Dichloroethane-d4
Concen: 46.102 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU024943.D
Acq: 27 Jun 2018 00:46

Tgt Ion: 65 Resp: 160569
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

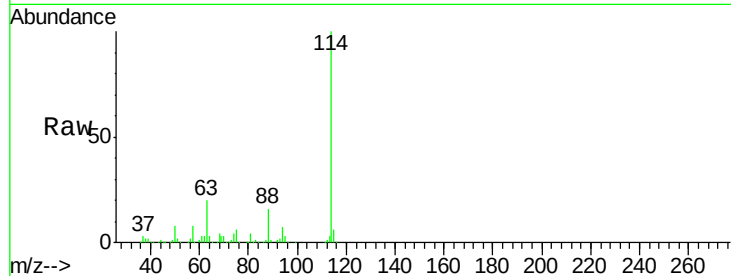
Instrument :

MSVOA_U

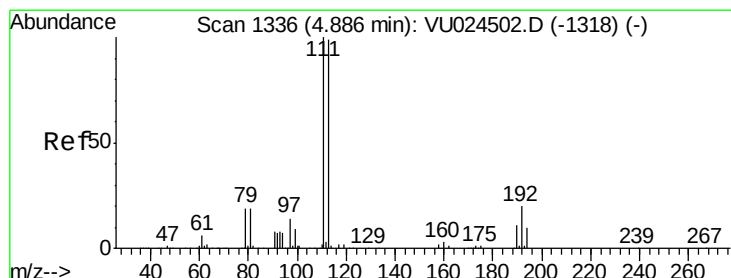
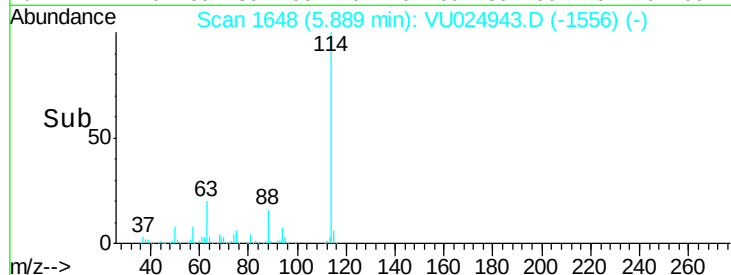
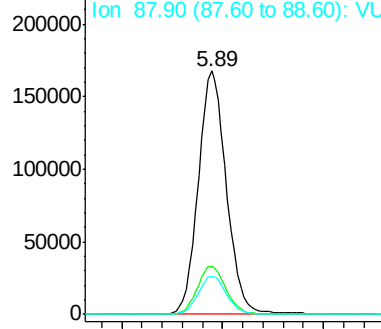
ClientSampleId :

DUP-0479-180620ME

Tgt Ion:	114	Resp:	325577
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	45.4
88	15.6	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 45.710 ug/l

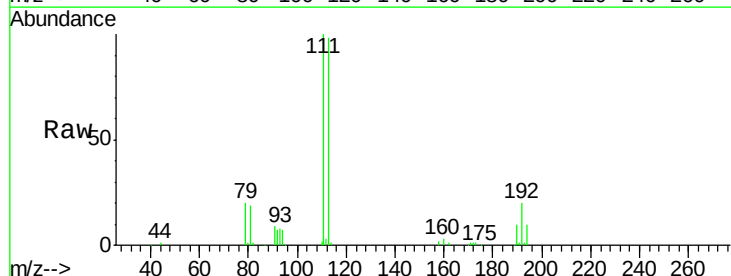
RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

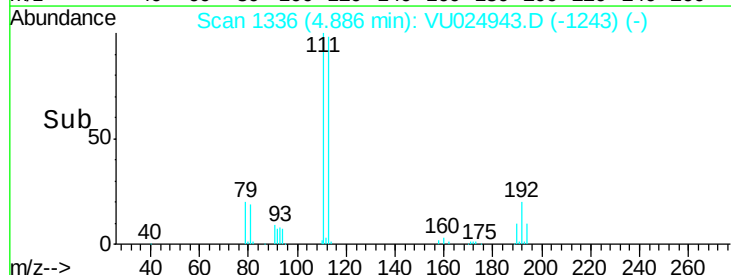
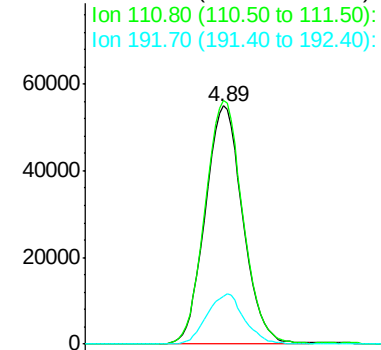
Lab File: VU024943.D

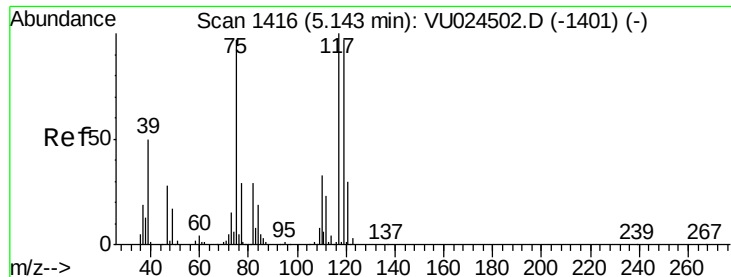
Acq: 27 Jun 2018 00:46

Tgt Ion:	113	Resp:	123511
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.0	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V

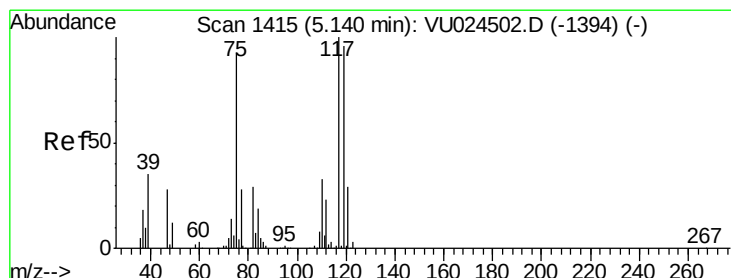
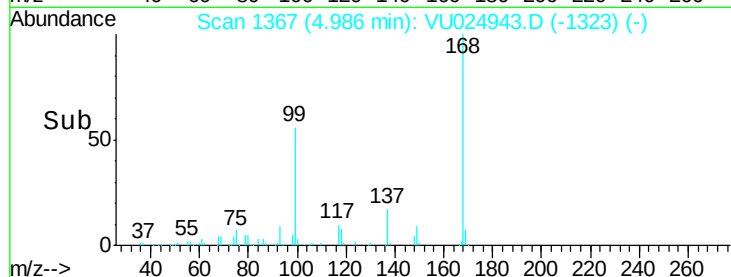
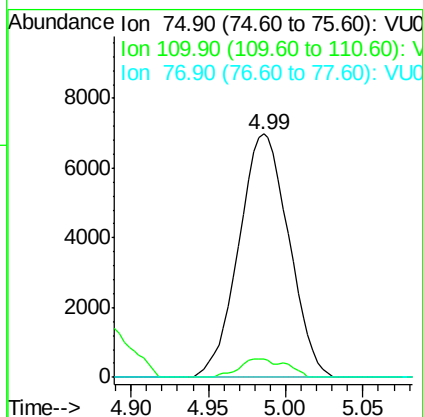
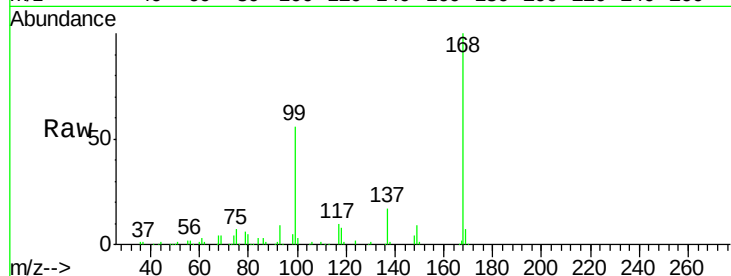




#36
 1,1-Dichloropropene
 Concen: 4.098 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024943.D
 Acq: 27 Jun 2018 00:46

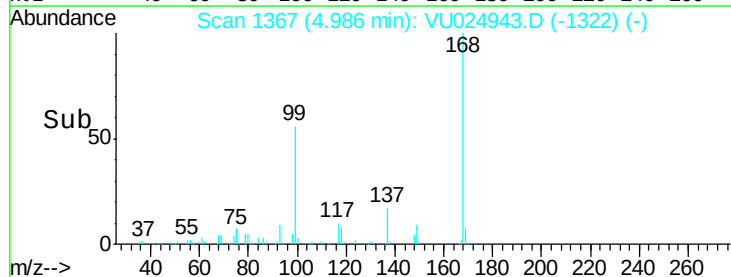
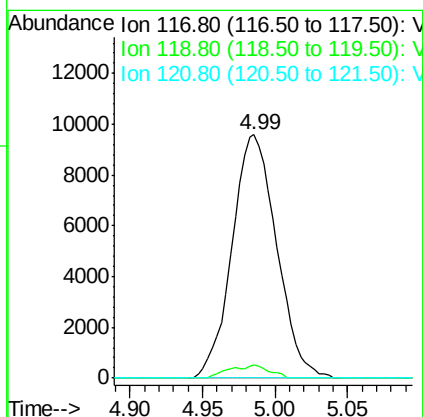
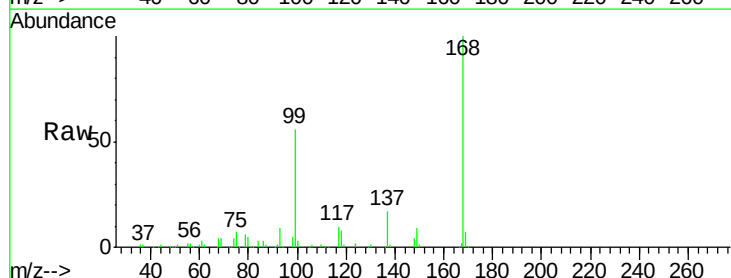
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0479-180620ME

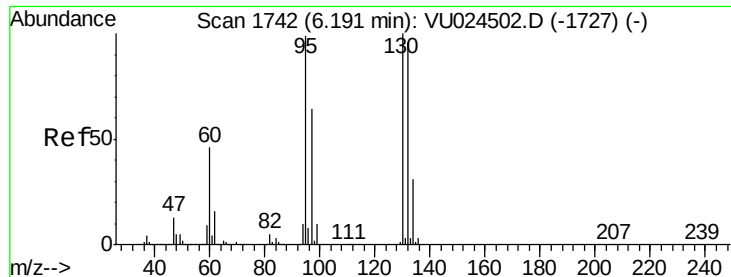
Tgt Ion: 75 Resp: 15679
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.868 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU024943.D
 Acq: 27 Jun 2018 00:46

Tgt Ion: 117 Resp: 20481
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.1 114.1#
 121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 40.223 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

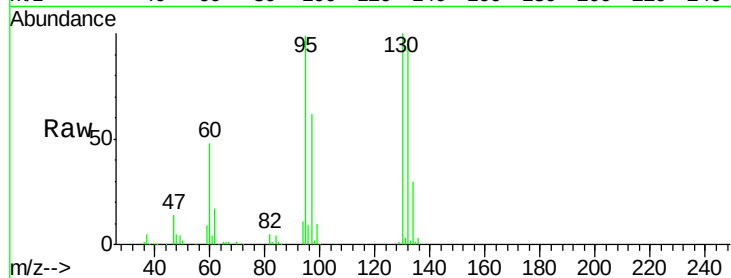
DUP-0479-180620ME

Tgt Ion:130 Resp: 124791

Ion Ratio Lower Upper

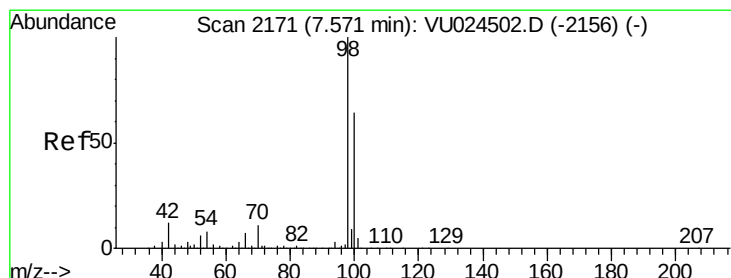
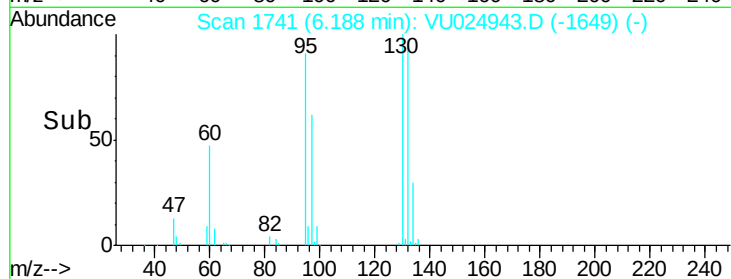
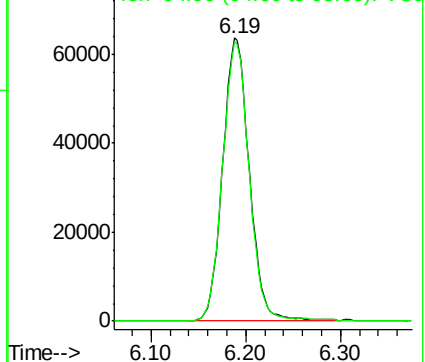
130 100

95 98.8 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: 47.546 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024943.D

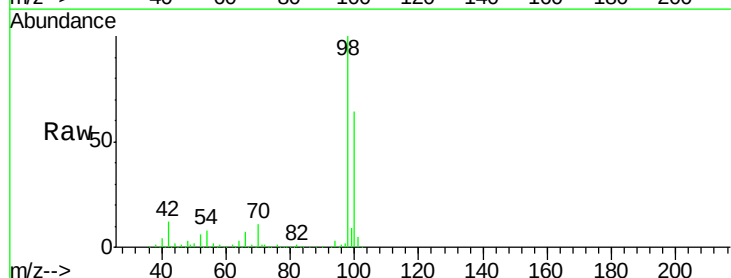
Acq: 27 Jun 2018 00:46

Tgt Ion: 98 Resp: 468611

Ion Ratio Lower Upper

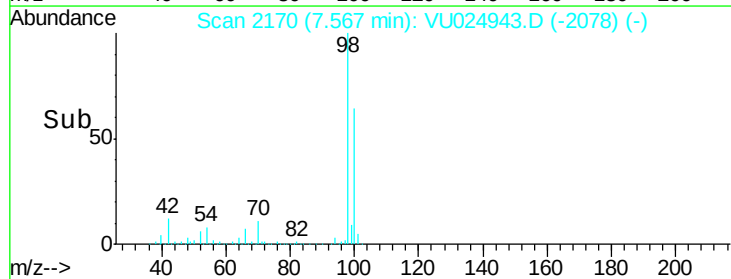
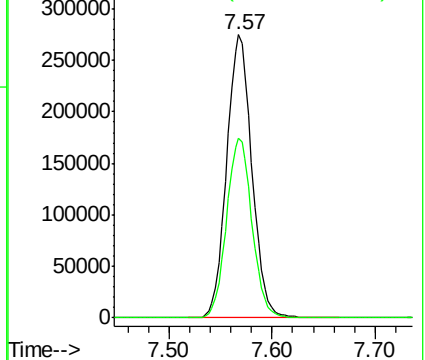
98 100

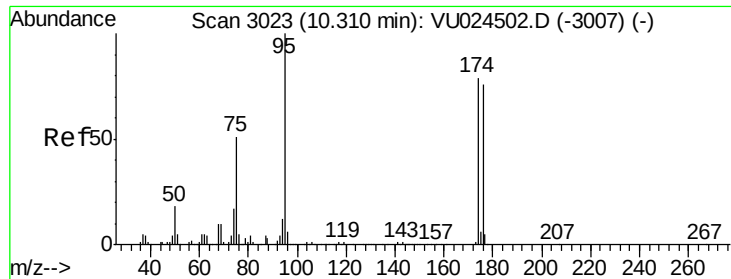
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 45.042 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

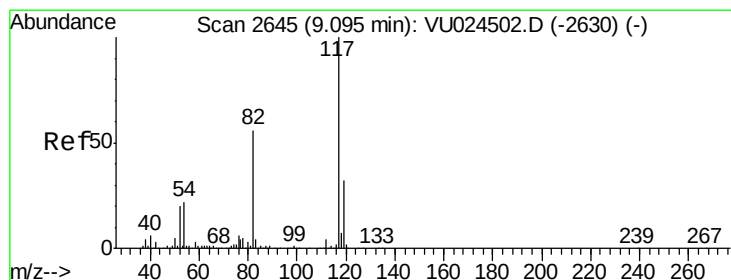
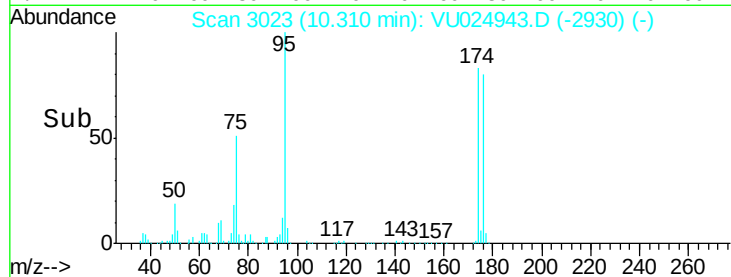
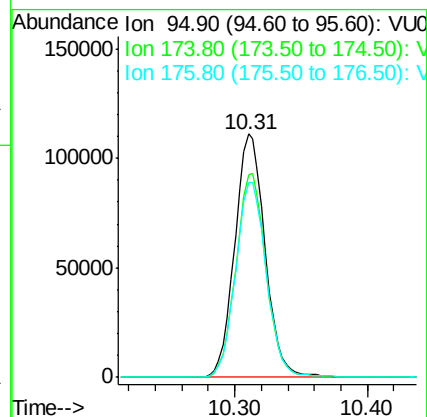
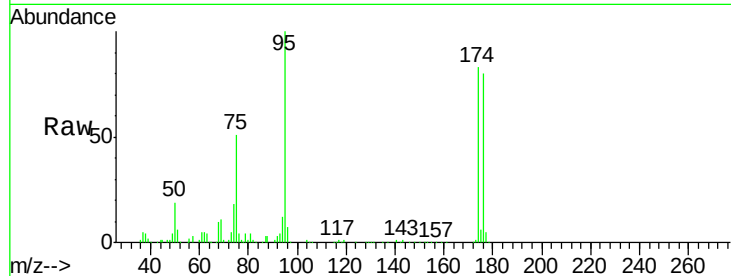
Tgt Ion: 95 Resp: 176258

Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.8

176 81.4 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: VU024943.D

Acq: 27 Jun 2018 00:46

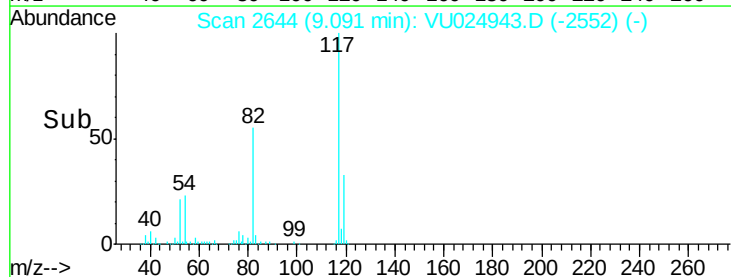
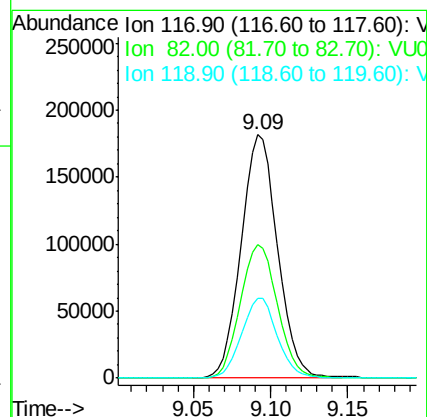
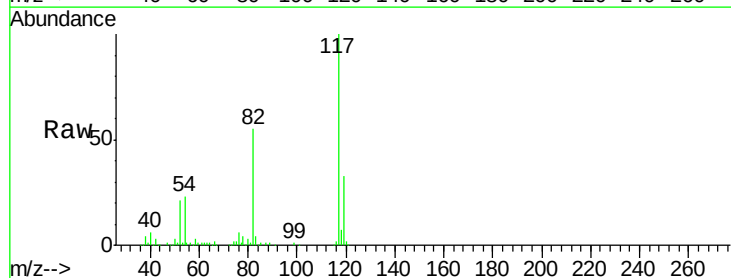
Tgt Ion: 117 Resp: 297214

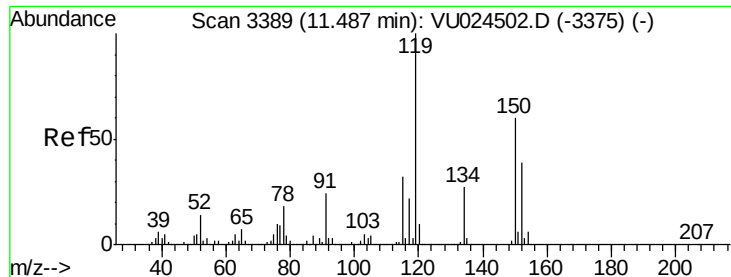
Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

119 33.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

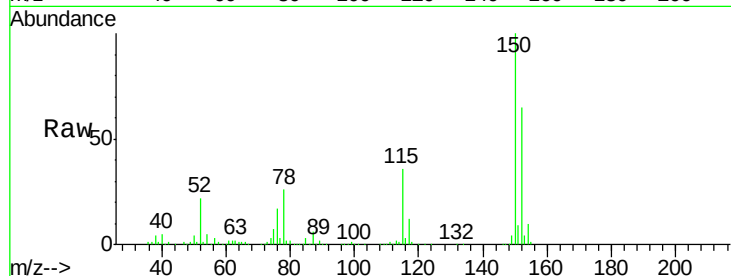
Tgt Ion:152 Resp: 164552

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

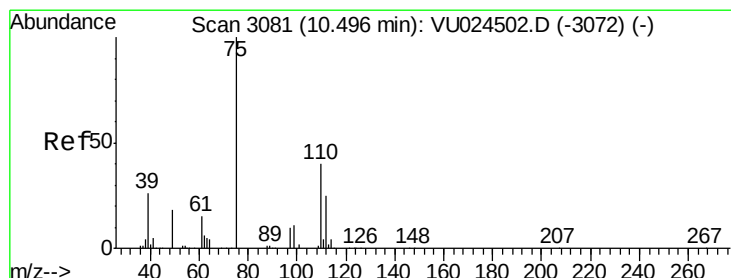
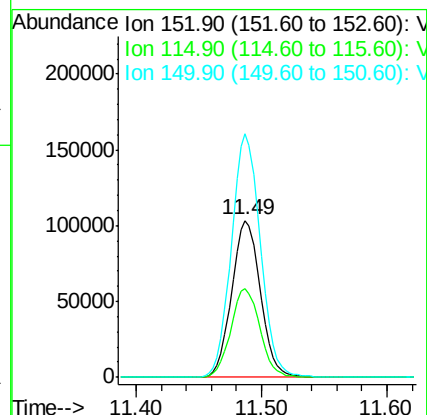
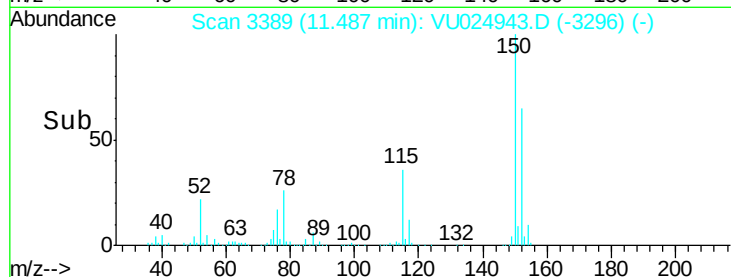
150 156.6 0.0 354.0



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: 25.169 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024943.D

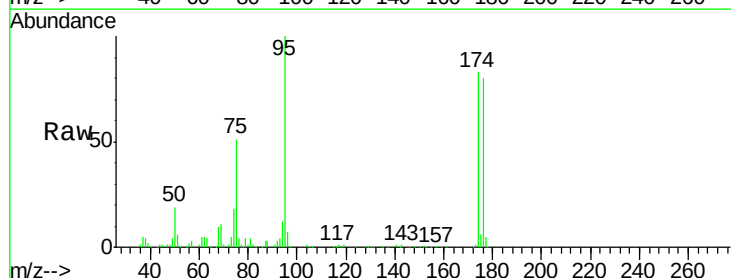
Acq: 27 Jun 2018 00:46

Tgt Ion: 75 Resp: 91184

Ion Ratio Lower Upper

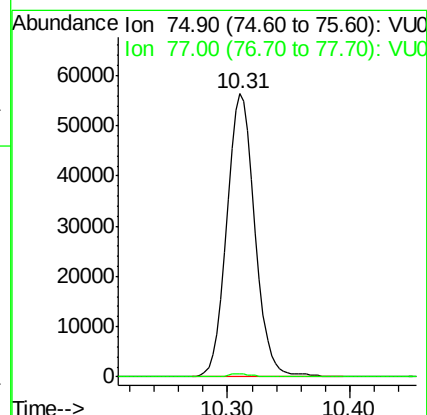
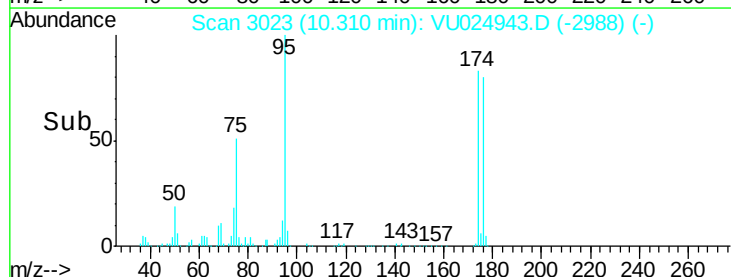
75 100

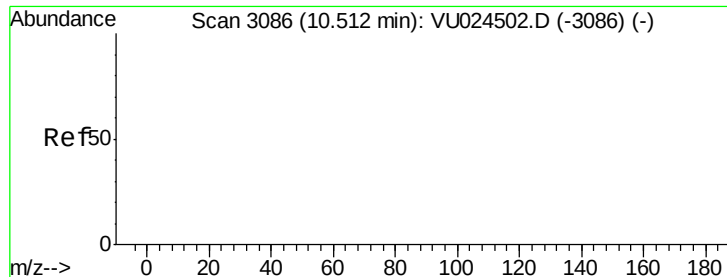
77 0.9 20.9 62.7#



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: 58.252 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

Instrument :

MSVOA_U

ClientSampleId :

DUP-0479-180620ME

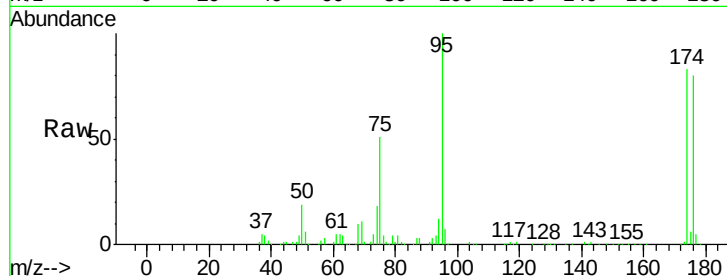
Tgt Ion: 75 Resp: 91184

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

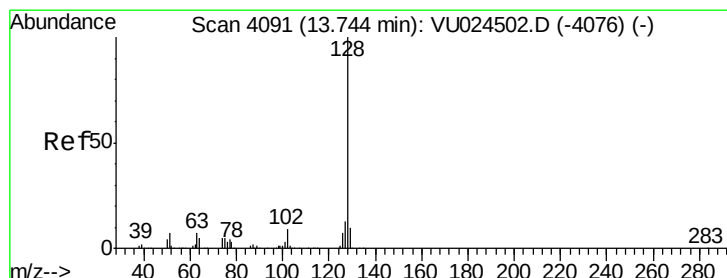
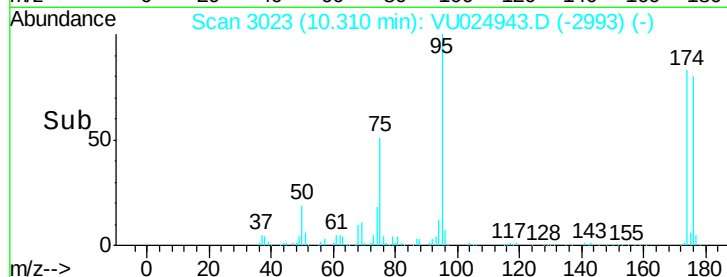
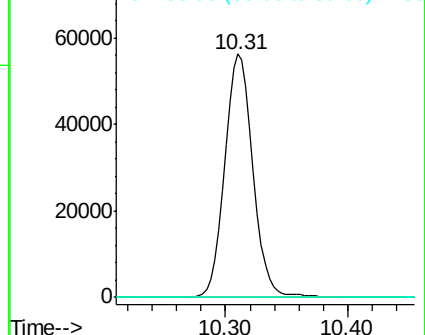
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024943.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024943.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024943.D (-2993) (-)



#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.81 min Scan# 4112

Delta R.T. 0.07 min

Lab File: VU024943.D

Acq: 27 Jun 2018 00:46

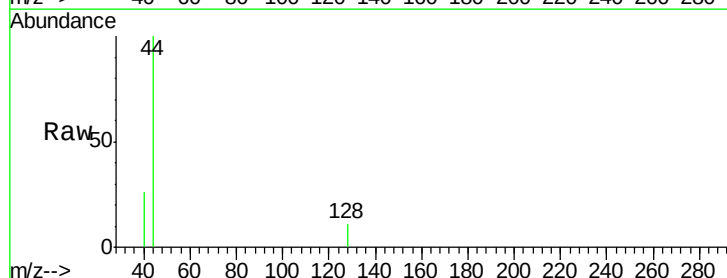
Tgt Ion: 128 Resp: 40

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024943.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024943.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024943.D (-3997) (-)

