

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024945.D
 Acq On : 27 Jun 2018 01:34
 Operator : MD/SY
 Sample : J3669-24ME 20X
 Misc : 4.00g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB479-29-31-180620ME

Quant Time: Jun 27 04:18:29 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	211149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	323995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155975	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	160063	46.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.86%	
35) Dibromofluoromethane	4.89	113	122149	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
50) Toluene-d8	7.57	98	463685	47.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	10.31	95	170495	43.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.56%	

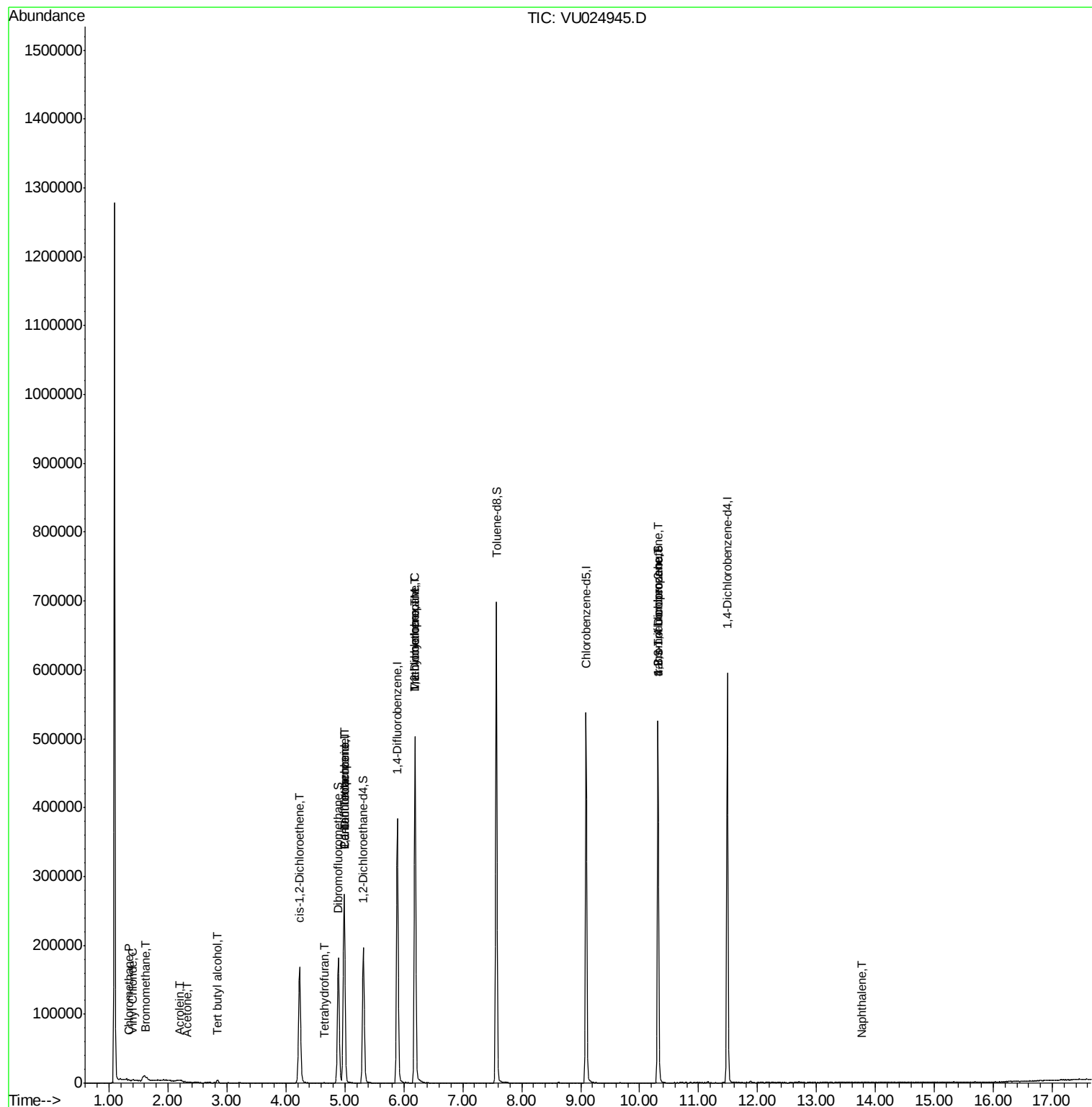
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	628	0.233	ug/l	94
4) Vinyl Chloride	1.40	62	1342	0.482	ug/l #	83
5) Bromomethane	1.63	94	532	0.395	ug/l	89
6) Chloroethane	1.65	64	128	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	2152	2.567	ug/l #	72
13) Acrolein	2.19	56	371	0.843	ug/l #	25
16) Acetone	2.33	43	895	0.483	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	93202	30.615	ug/l	89
29) Tetrahydrofuran	4.65	42	322	0.209	ug/l #	46
31) Cyclohexane	4.99	56	4174	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15301	4.019	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20124	4.807	ug/l #	16
39) Methylcyclohexane	6.19	83	2079	0.438	ug/l #	1
44) Trichloroethene	6.19	130	178378	57.775	ug/l	95
45) 1,2-Dichloropropane	6.19	63	713	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	89514	26.067	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89514	60.330	ug/l #	100
95) Naphthalene	13.76	128	393	0.713	ug/l #	69

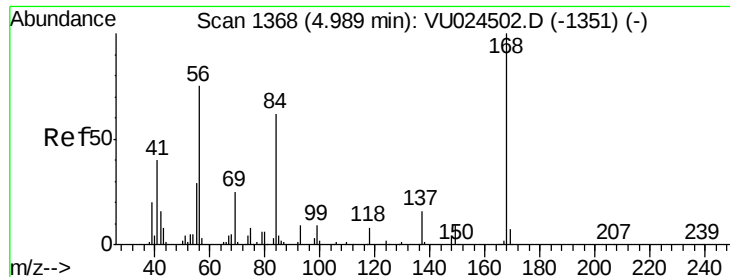
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

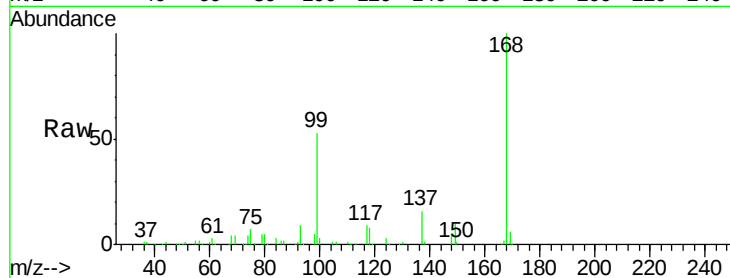
WP021SB479-29-31-180620ME

Tgt Ion:168 Resp: 211149

Ion Ratio Lower Upper

168 100

99 53.3 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

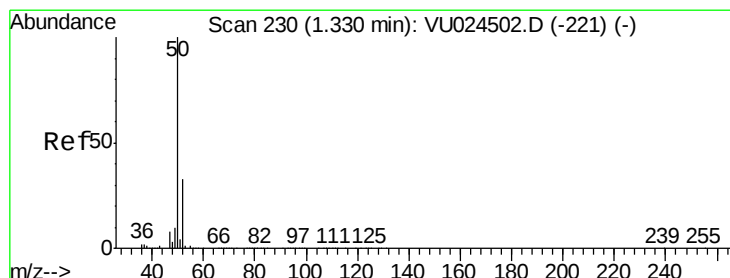
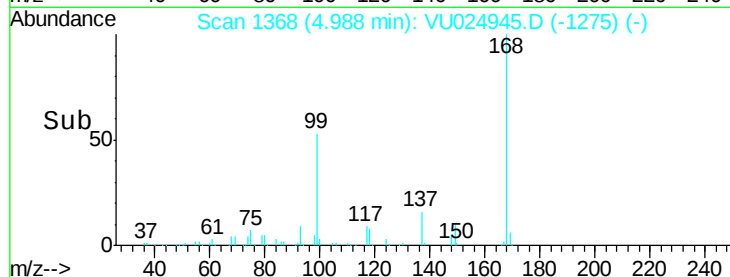
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024945.D

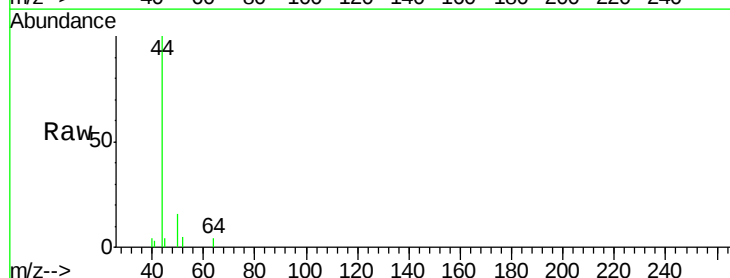
Acq: 27 Jun 2018 01:34

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 29.4 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

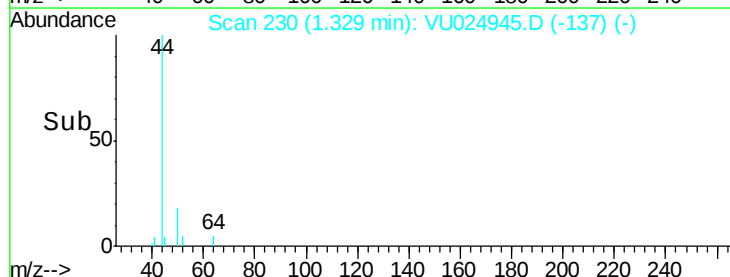
400

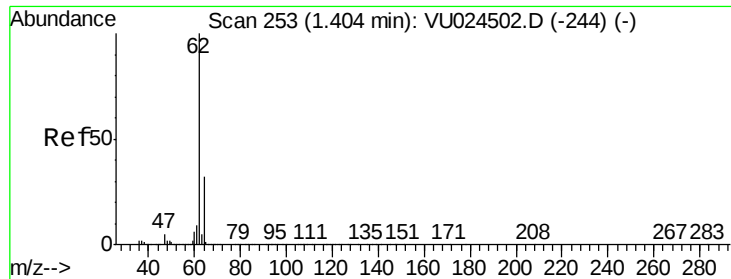
200

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 0.482 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

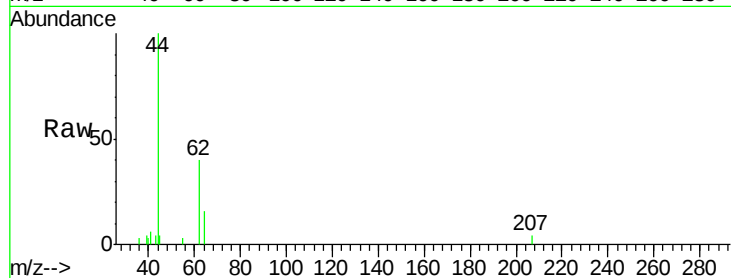
WP021SB479-29-31-180620ME

Tgt Ion: 62 Resp: 1342

Ion Ratio Lower Upper

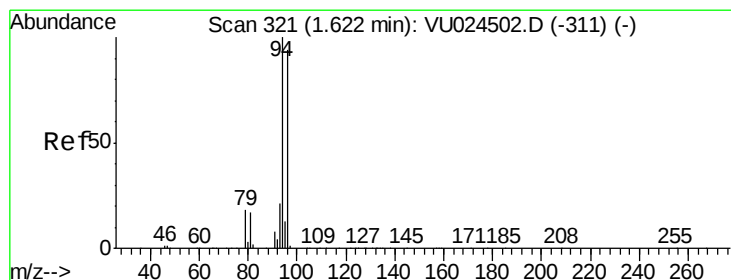
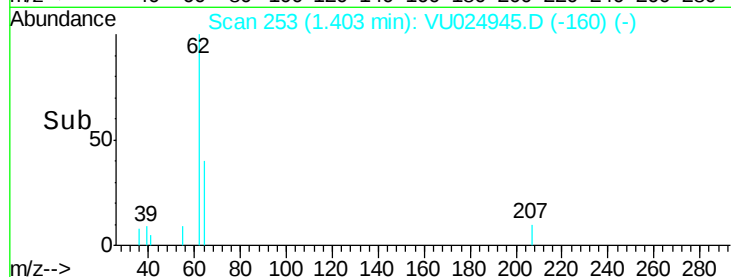
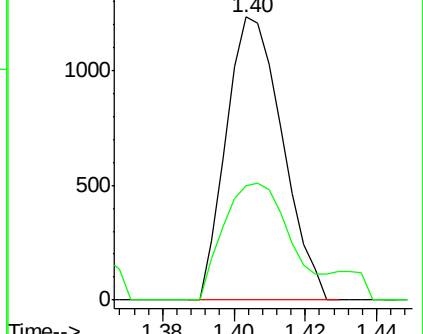
62 100

64 40.3 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.395 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024945.D

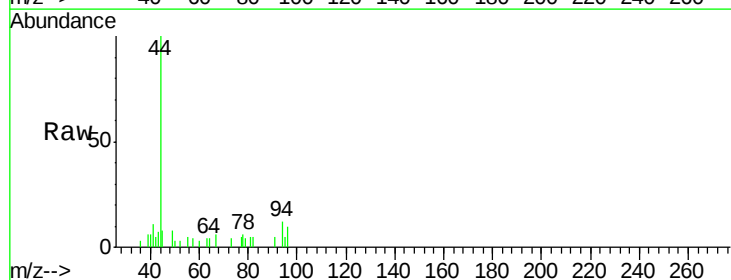
Acq: 27 Jun 2018 01:34

Tgt Ion: 94 Resp: 532

Ion Ratio Lower Upper

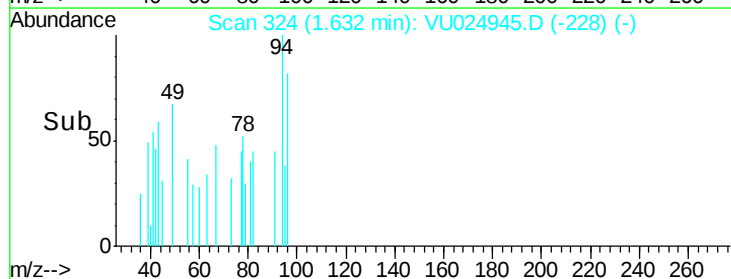
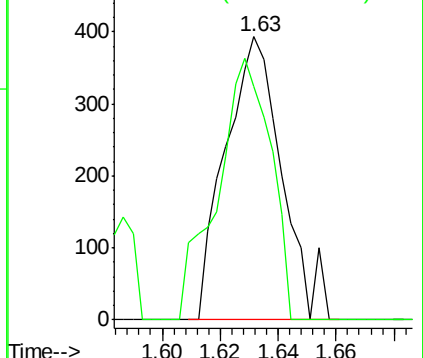
94 100

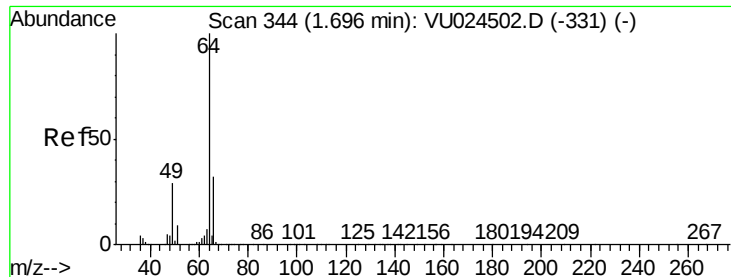
96 82.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 331

Delta R.T. -0.04 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

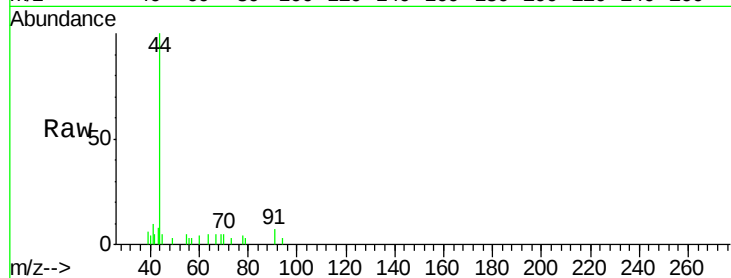
WP021SB479-29-31-180620ME

Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

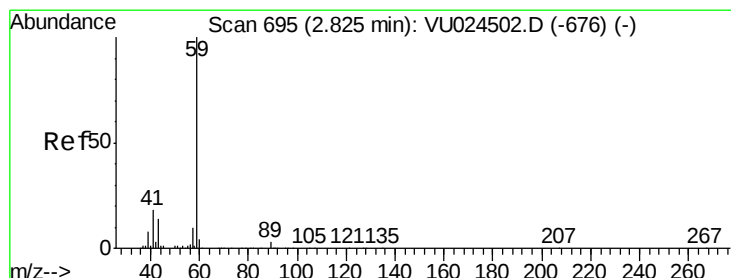
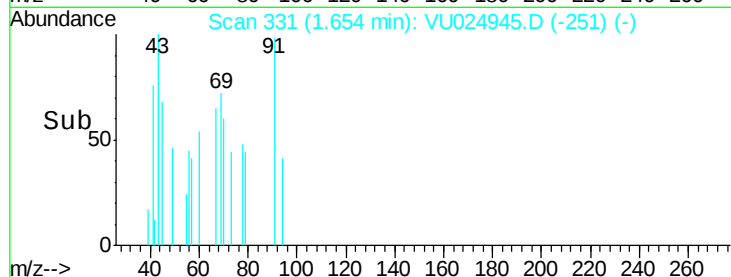
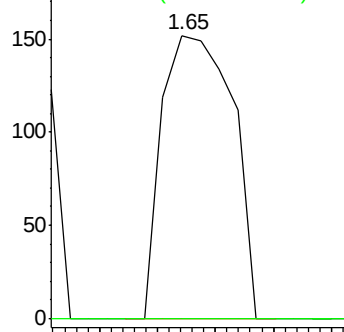
64 100

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



#11

Tert butyl alcohol

Concen: 2.567 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024945.D

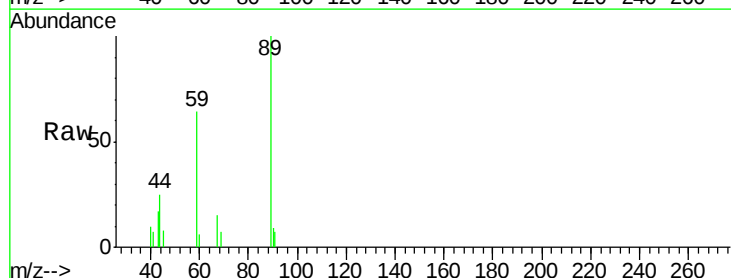
Acq: 27 Jun 2018 01:34

Tgt Ion: 59 Resp: 2152

Ion Ratio Lower Upper

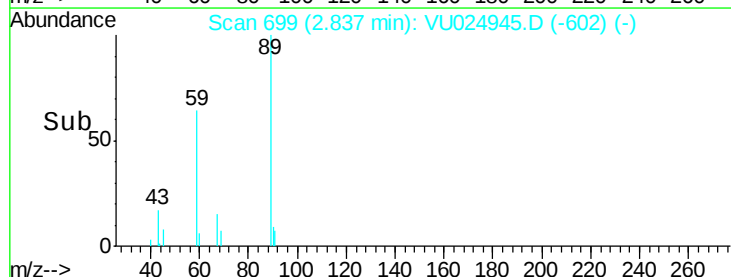
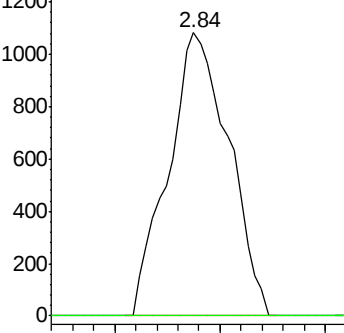
59 100

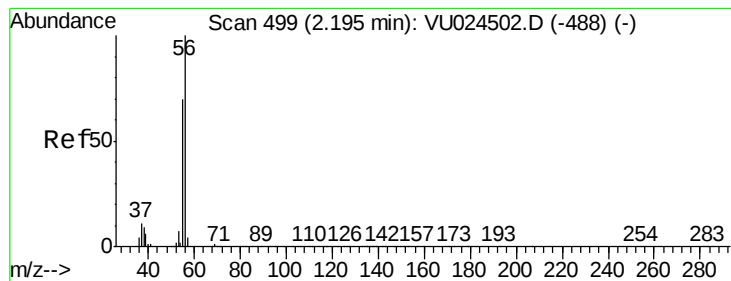
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.843 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

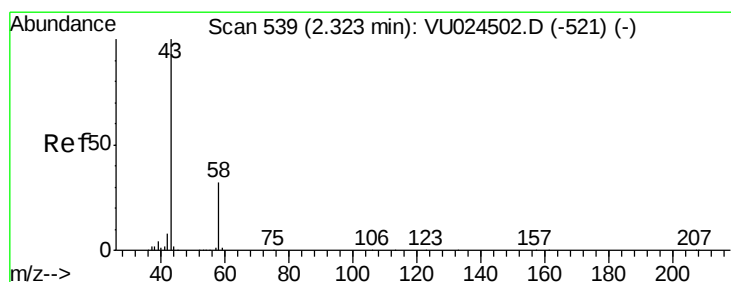
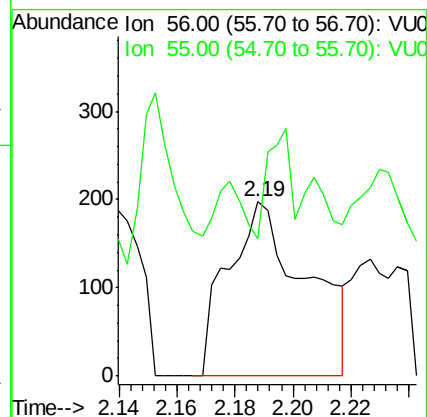
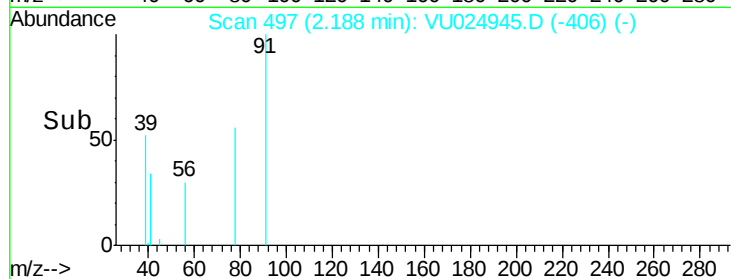
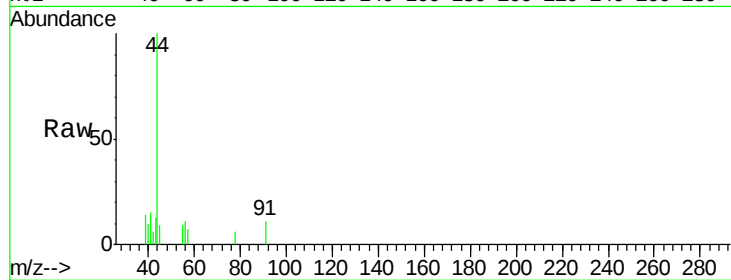
WP021SB479-29-31-180620ME

Tgt Ion: 56 Resp: 371

Ion Ratio Lower Upper

56 100

55 10.2 58.4 87.6#



#16

Acetone

Concen: 0.483 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024945.D

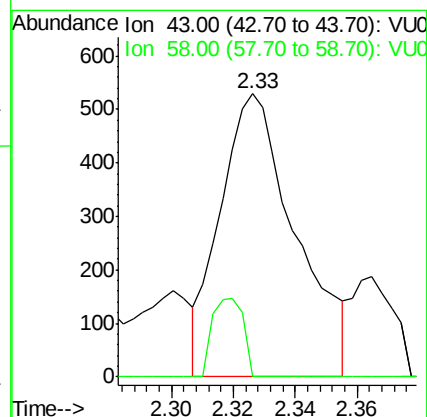
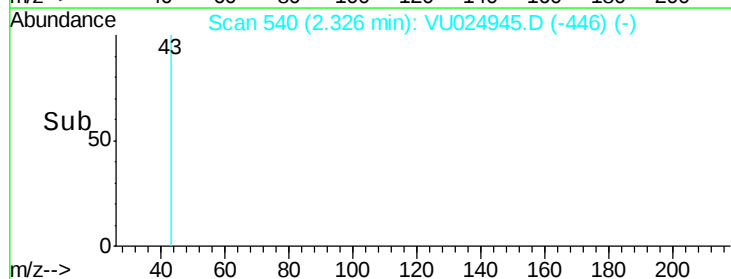
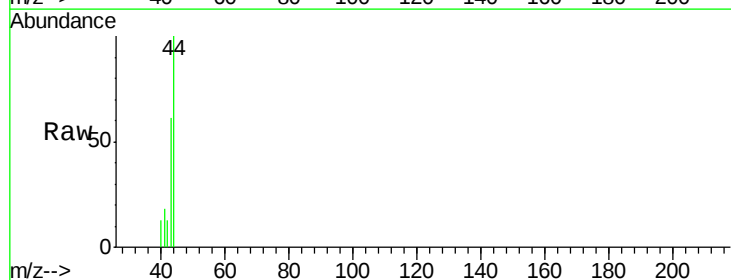
Acq: 27 Jun 2018 01:34

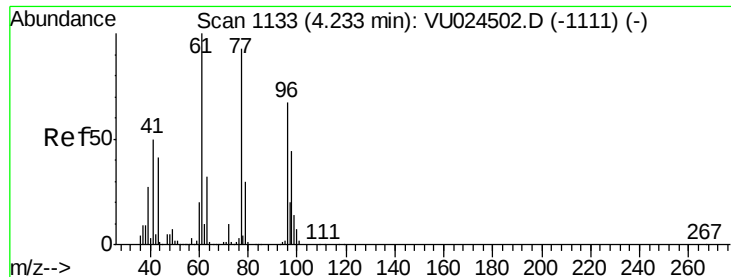
Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 30.615 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

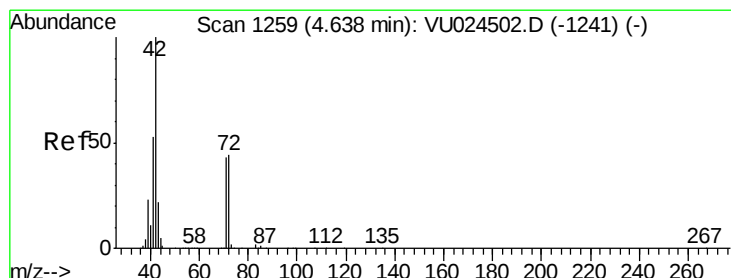
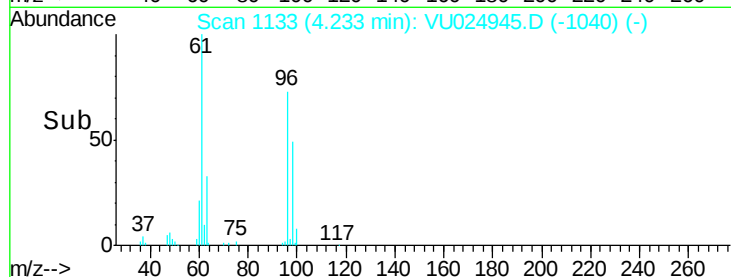
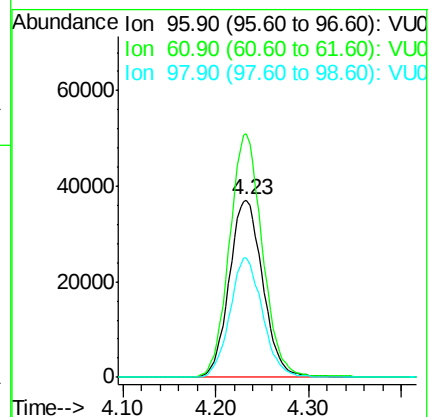
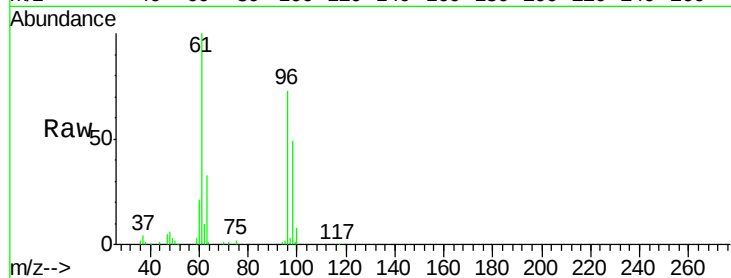
Tgt Ion: 96 Resp: 93202

Ion Ratio Lower Upper

96 100

61 134.6 0.0 306.6

98 65.6 0.0 128.8



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

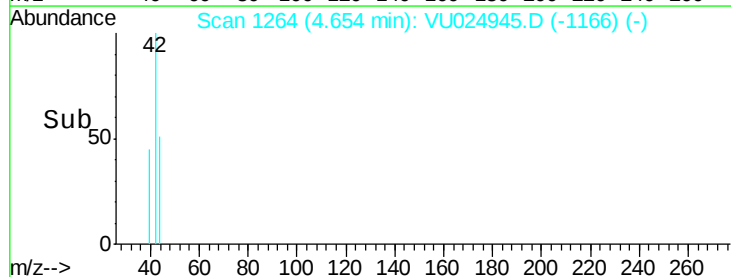
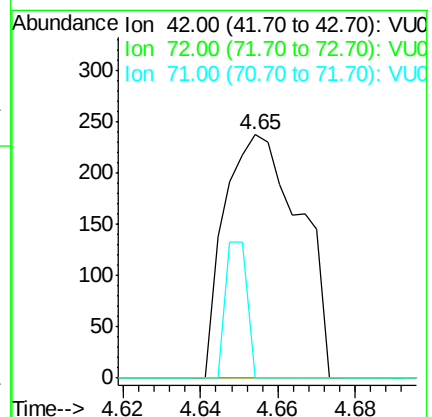
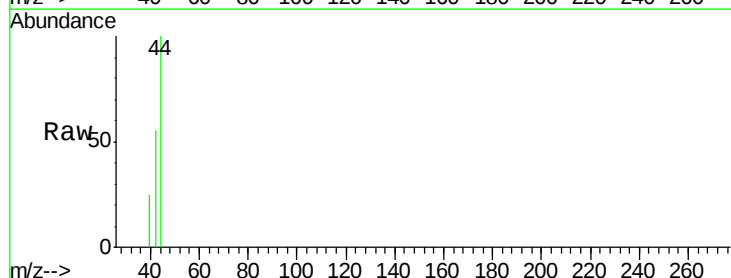
Tgt Ion: 42 Resp: 322

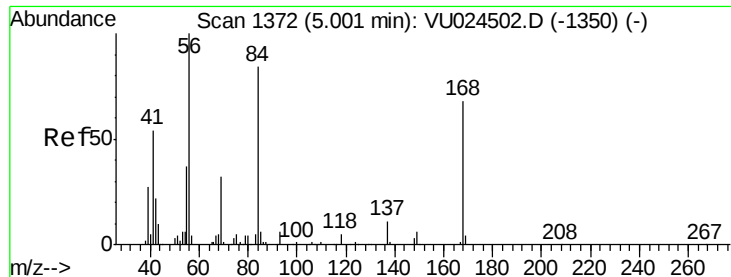
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 15.8 32.2 48.4#

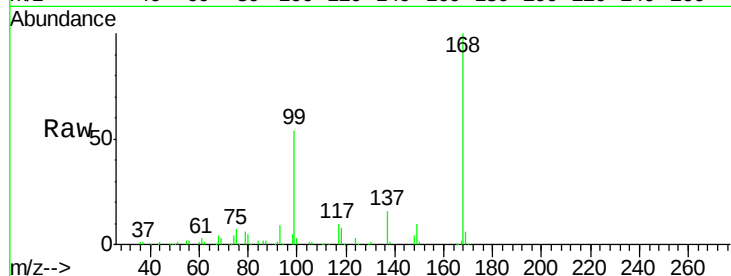




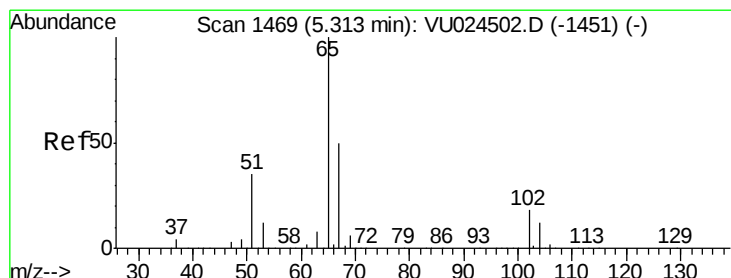
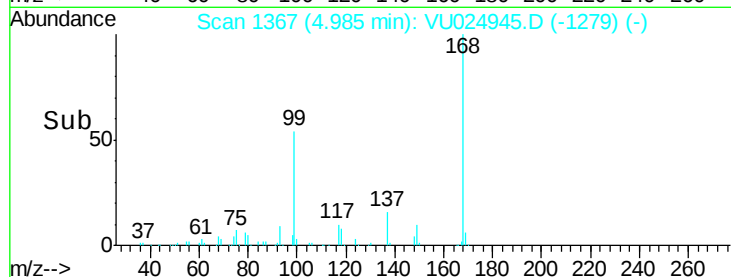
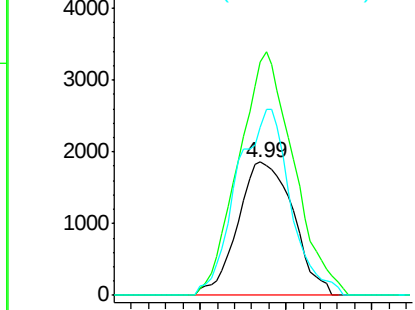
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024945.D
Acq: 27 Jun 2018 01:34

Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-29-31-180620ME

Tgt Ion: 56 Resp: 4174
Ion Ratio Lower Upper
56 100
69 175.0 24.8 37.2#
84 126.5 65.2 97.8#

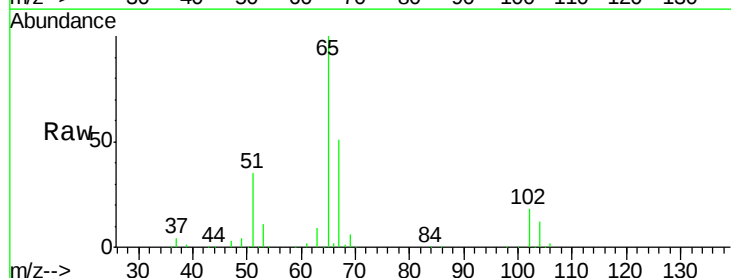


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

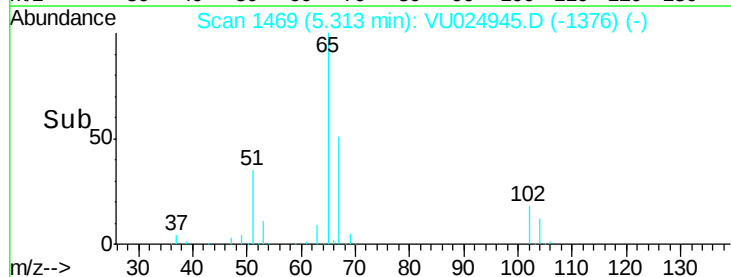
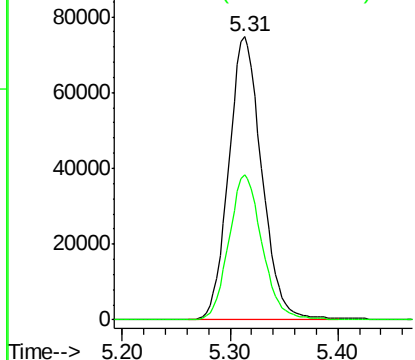


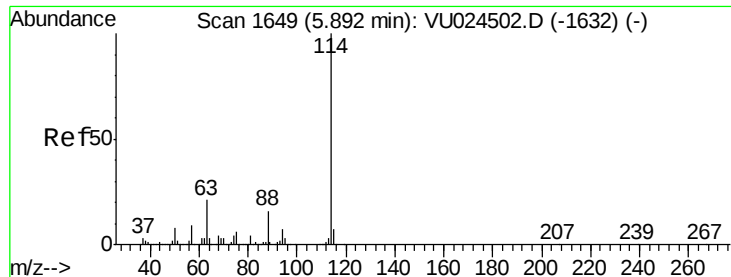
#33
1,2-Dichloroethane-d4
Concen: 46.435 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024945.D
Acq: 27 Jun 2018 01:34

Tgt Ion: 65 Resp: 160063
Ion Ratio Lower Upper
65 100
67 51.6 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: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

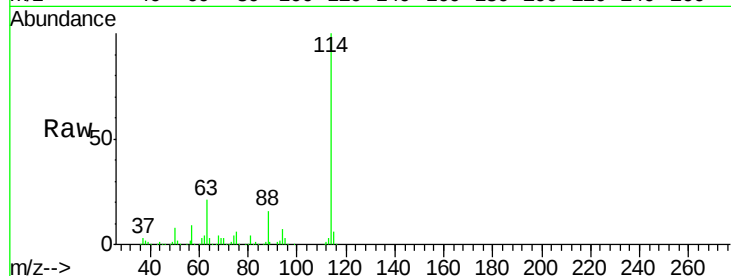
Tgt Ion:114 Resp: 323995

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

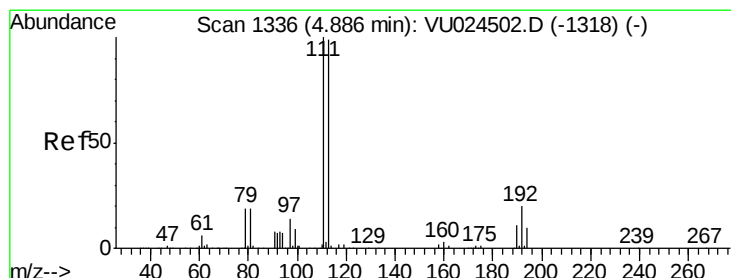
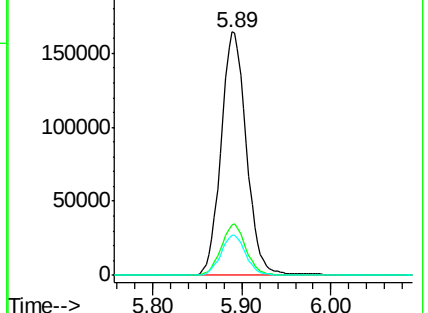
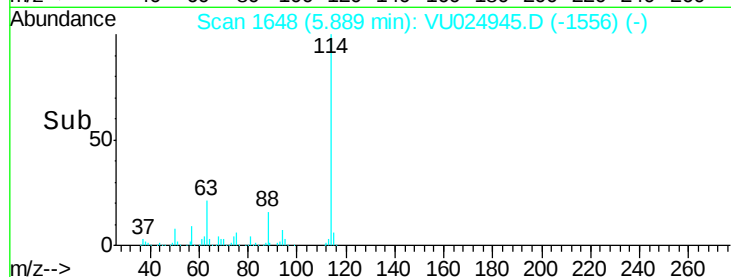
88 16.4 0.0 31.0



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: 45.427 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

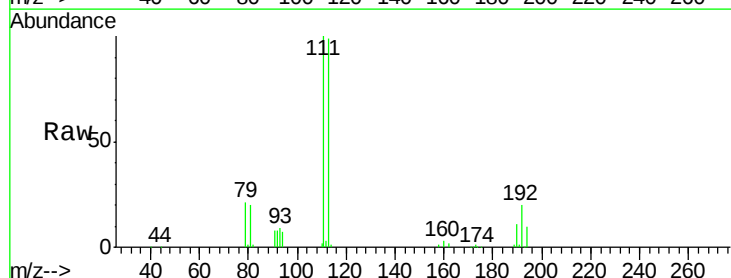
Tgt Ion:113 Resp: 122149

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

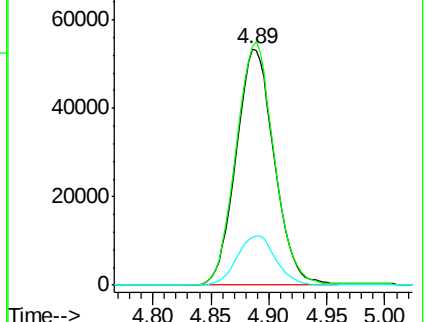
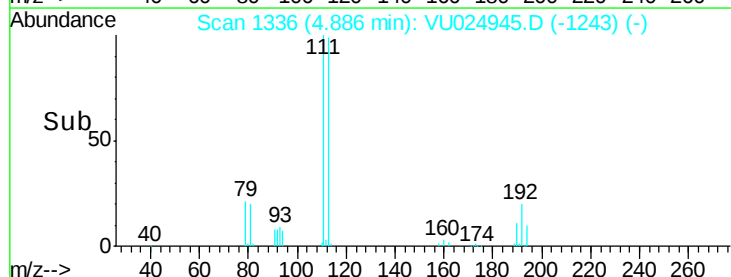
192 21.1 16.2 24.4

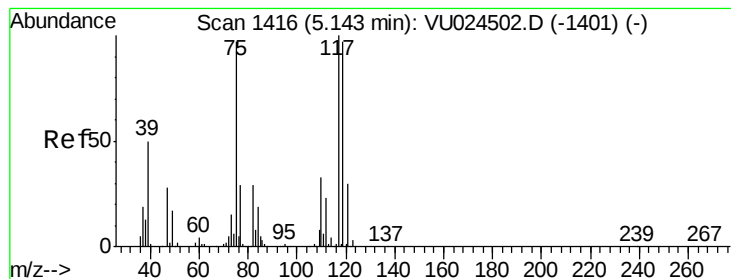


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.019 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

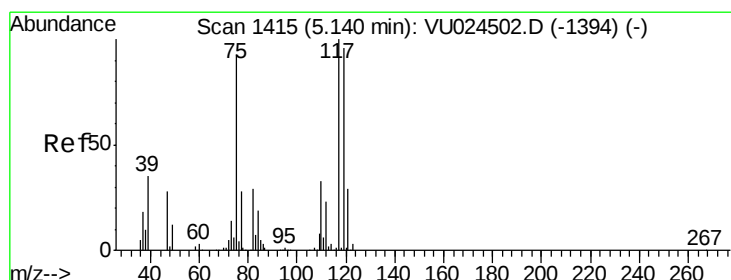
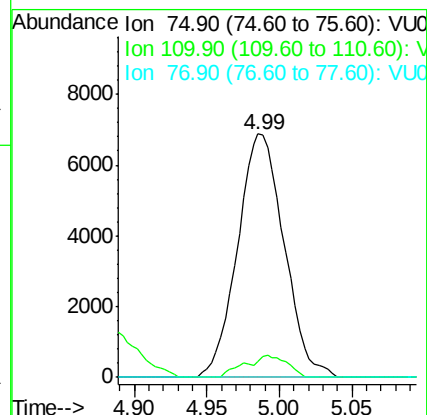
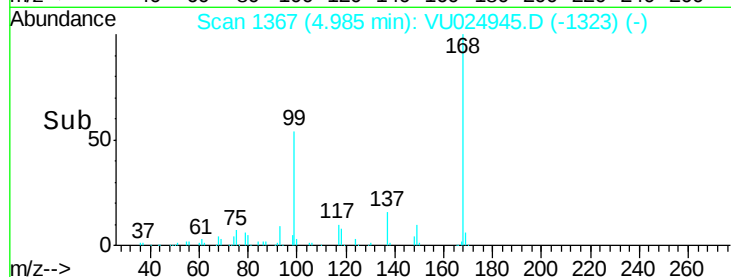
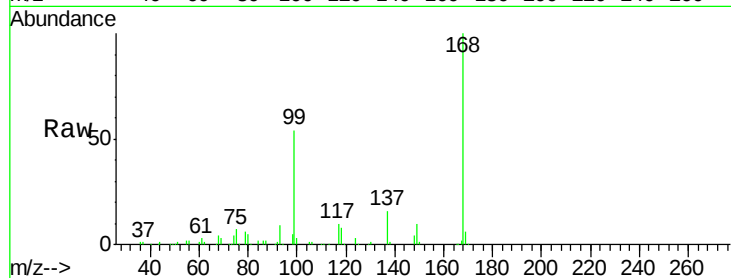
Tgt Ion: 75 Resp: 15301

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.807 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

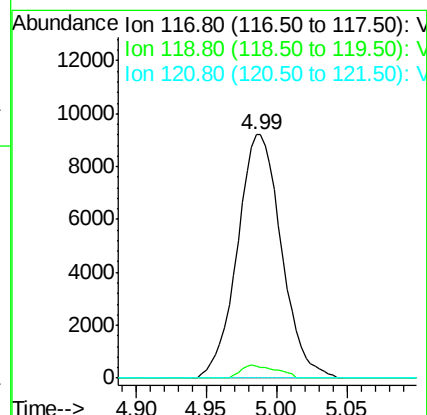
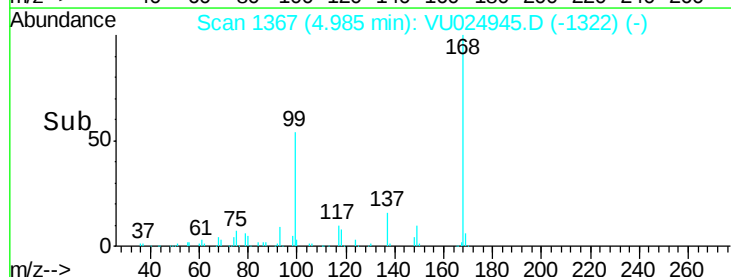
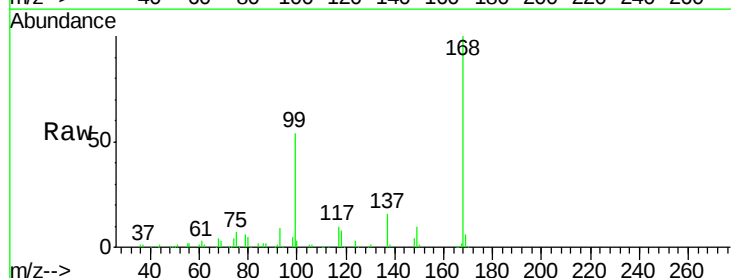
Tgt Ion: 117 Resp: 20124

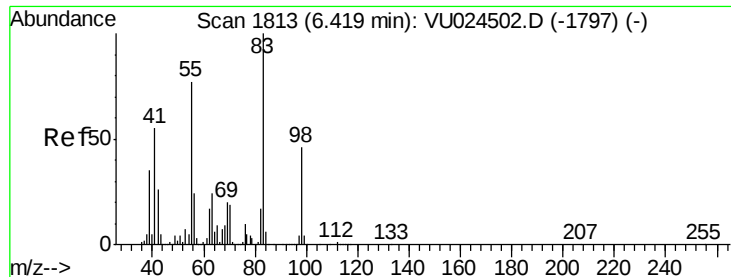
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 23.7 35.5#





#39

Methylcyclohexane

Concen: 0.438 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.23 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

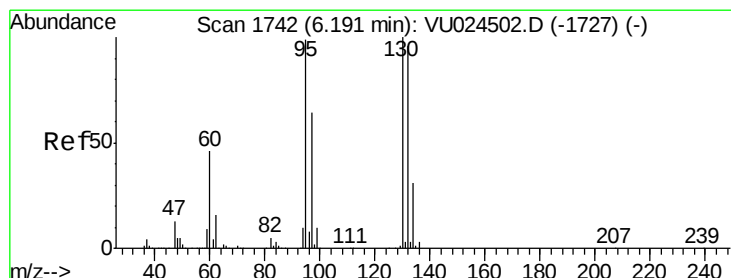
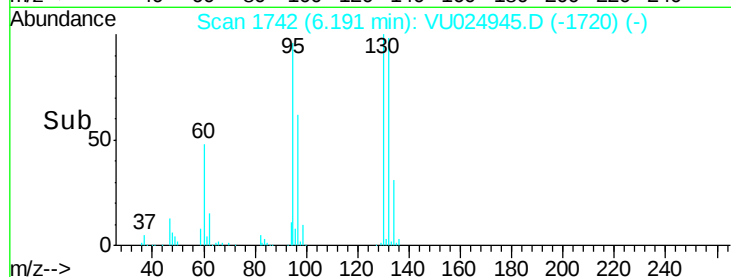
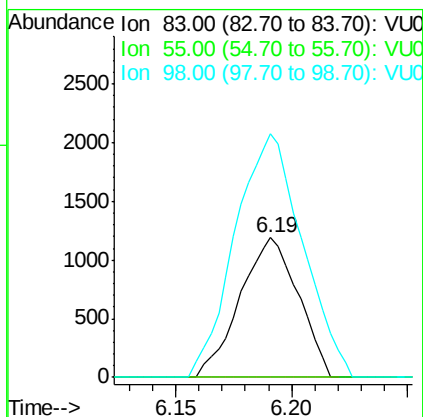
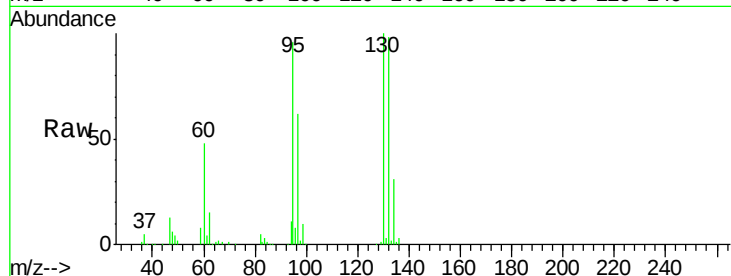
Tgt Ion: 83 Resp: 2079

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

98 174.7 36.7 55.1#



#44

Trichloroethene

Concen: 57.775 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024945.D

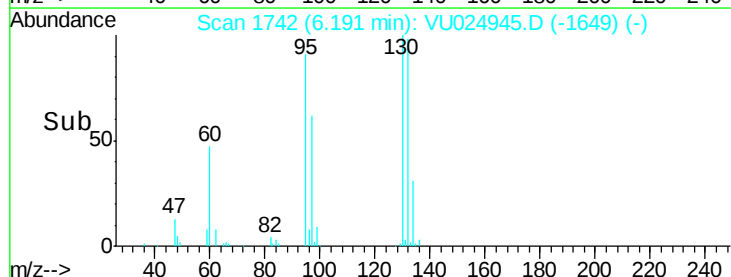
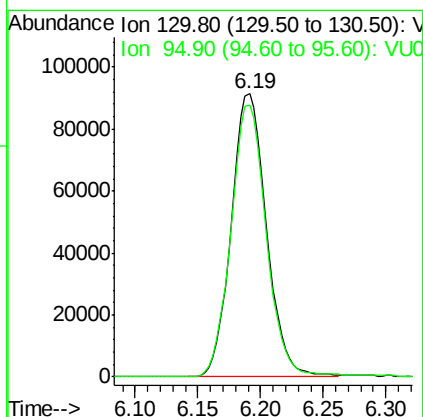
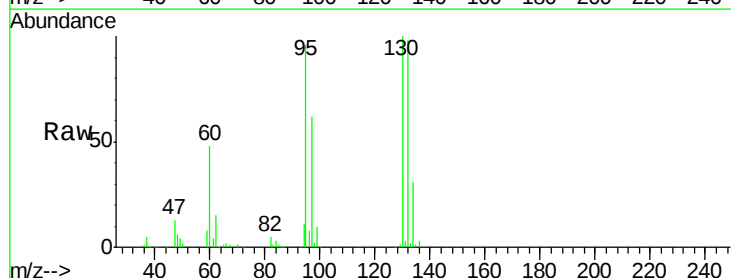
Acq: 27 Jun 2018 01:34

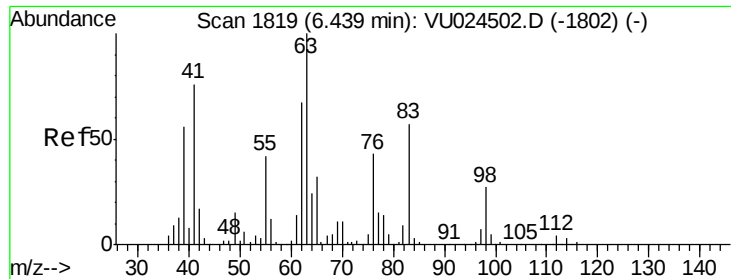
Tgt Ion:130 Resp: 178378

Ion Ratio Lower Upper

130 100

95 96.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 0.246 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.25 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

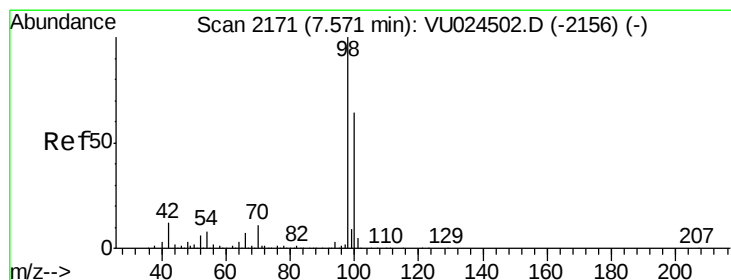
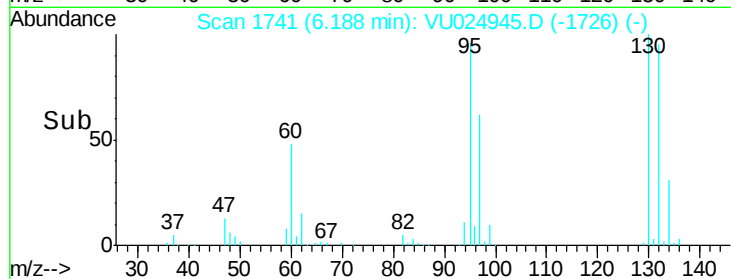
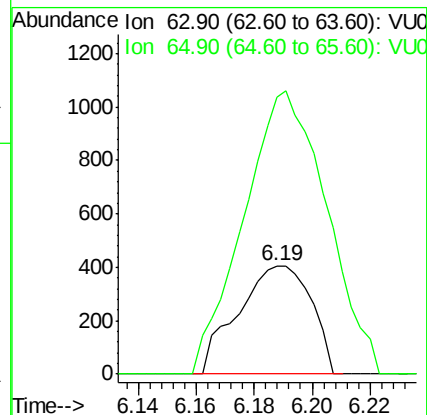
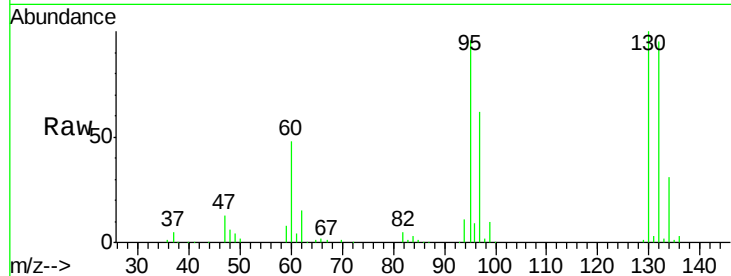
WP021SB479-29-31-180620ME

Tgt Ion: 63 Resp: 713

Ion Ratio Lower Upper

63 100

65 255.7 24.8 37.2#



#50

Toluene-d8

Concen: 47.276 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024945.D

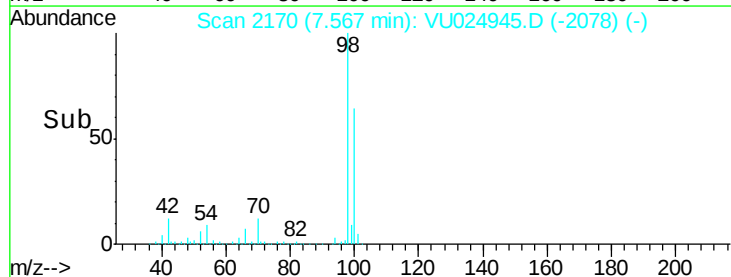
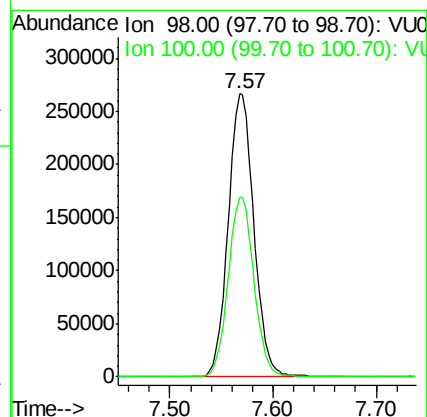
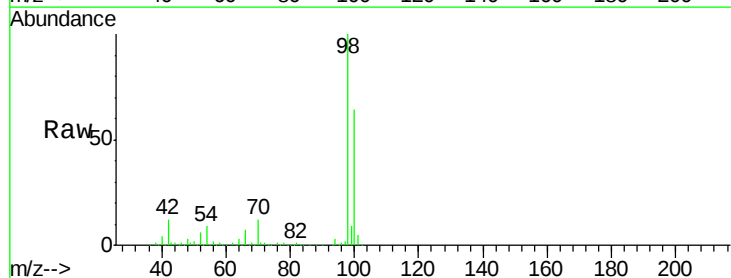
Acq: 27 Jun 2018 01:34

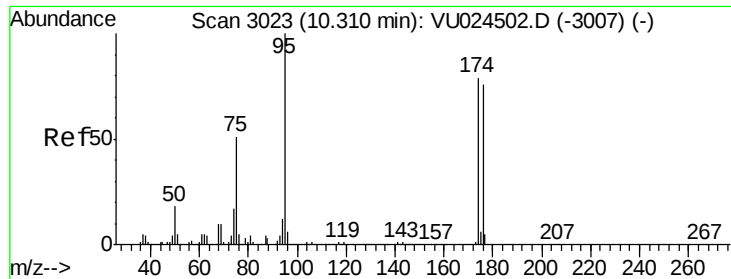
Tgt Ion: 98 Resp: 463685

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 43.782 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

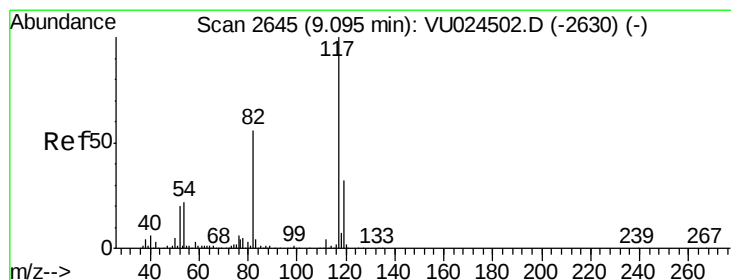
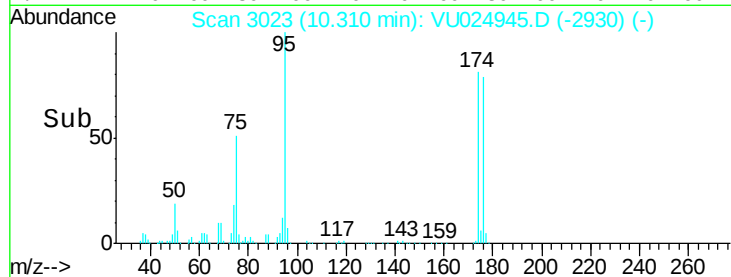
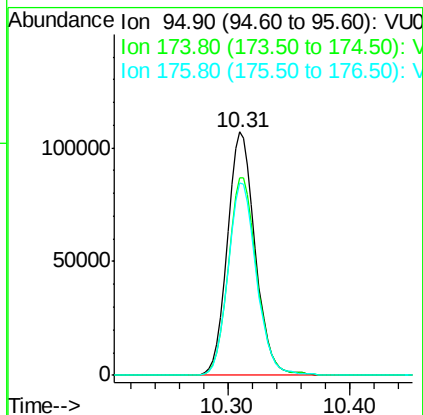
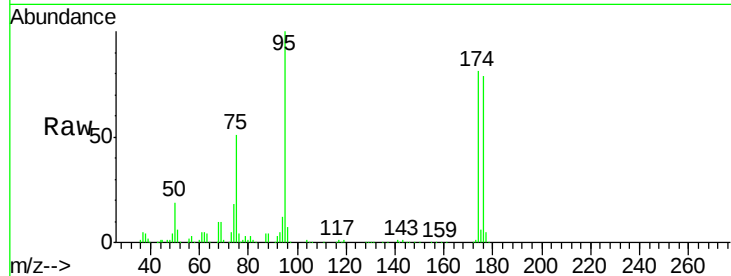
Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

Tgt Ion:	95	Resp:	170495
Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	165.8
176	80.7	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

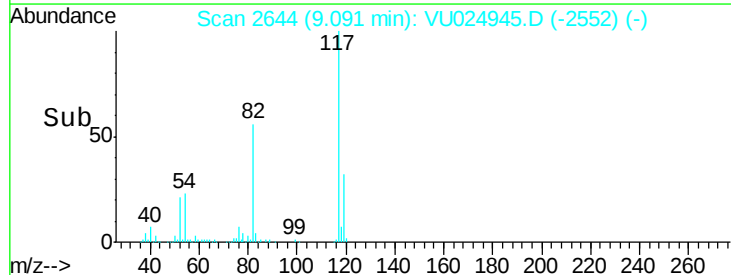
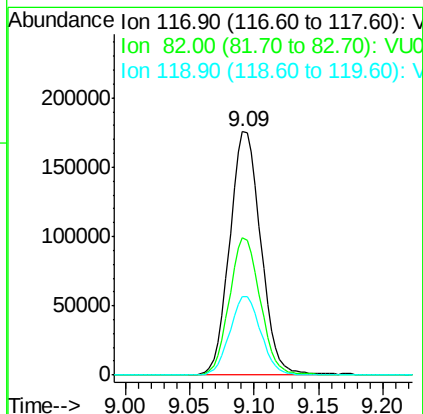
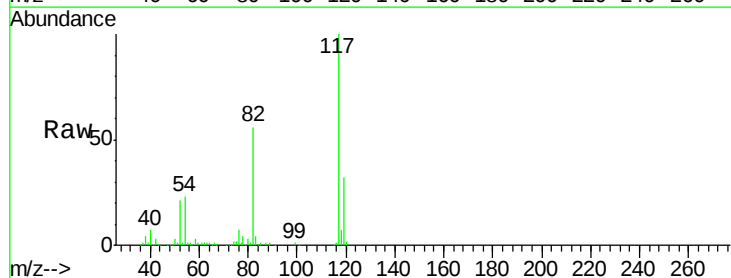
RT: 9.09 min Scan# 2644

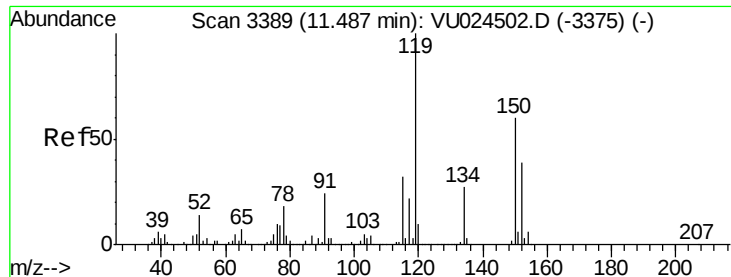
Delta R.T. -0.00 min

Lab File: VU024945.D

Acq: 27 Jun 2018 01:34

Tgt Ion:	117	Resp:	295426
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	32.1	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: VU024945.D

Acq: 27 Jun 2018 01:34

Instrument :

MSVOA_U

ClientSampleId :

WP021SB479-29-31-180620ME

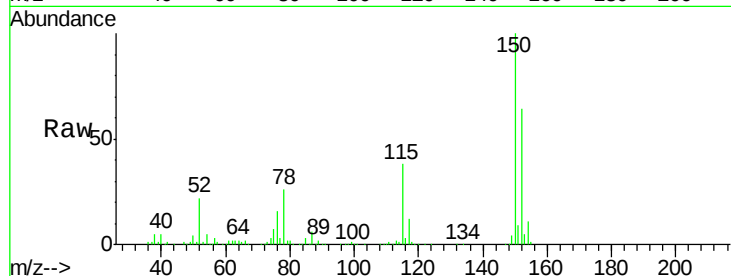
Tgt Ion:152 Resp: 155975

Ion Ratio Lower Upper

152 100

115 59.2 43.0 129.0

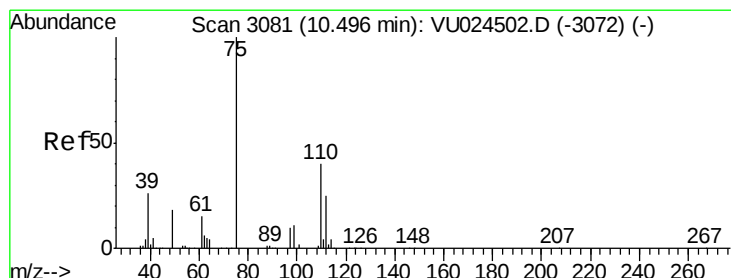
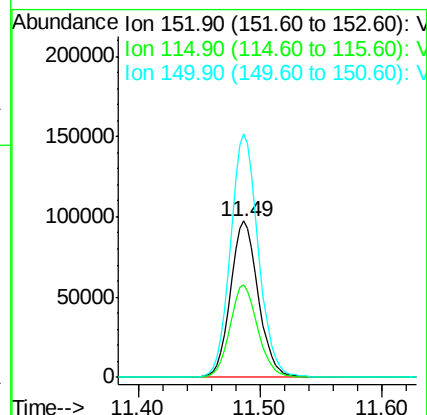
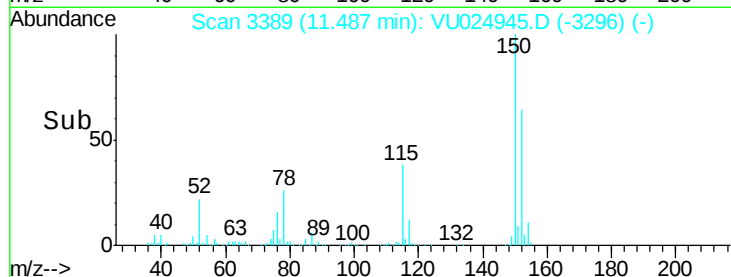
150 155.3 0.0 354.0



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: 26.067 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024945.D

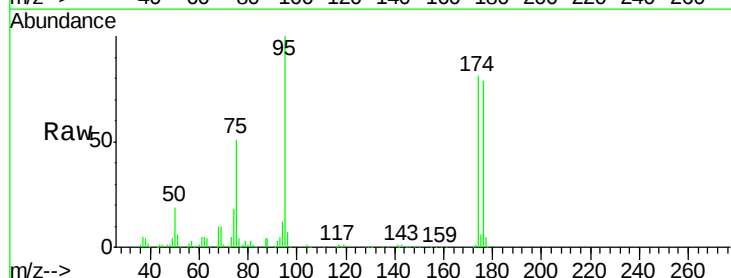
Acq: 27 Jun 2018 01:34

Tgt Ion: 75 Resp: 89514

Ion Ratio Lower Upper

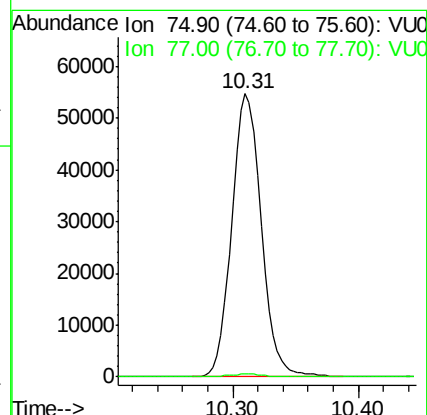
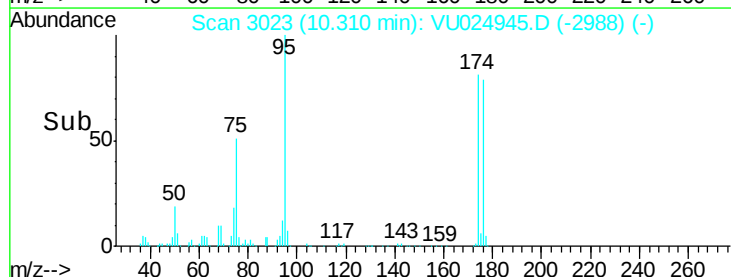
75 100

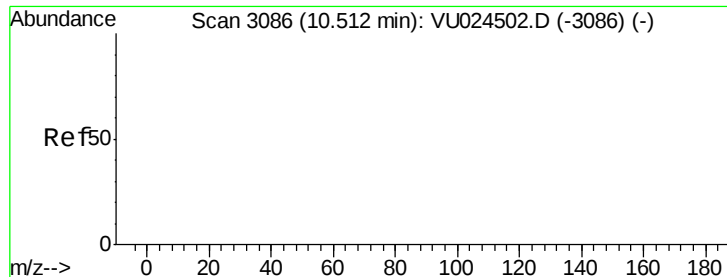
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

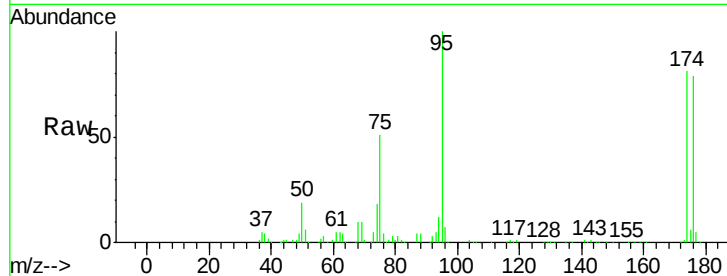




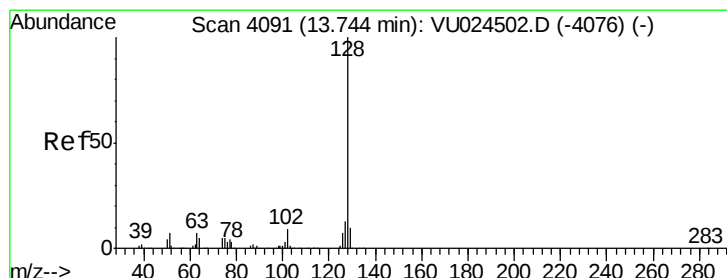
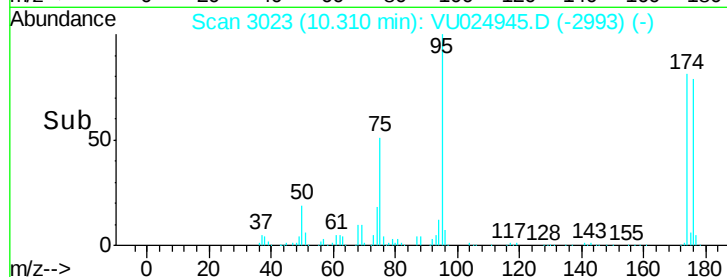
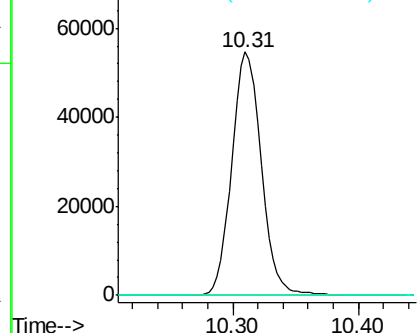
#81
trans-1,4-Dichloro-2-butene
Concen: 60.330 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024945.D
Acq: 27 Jun 2018 01:34

Instrument :
MSVOA_U
ClientSampleId :
WP021SB479-29-31-180620ME

Tgt Ion: 75 Resp: 89514
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

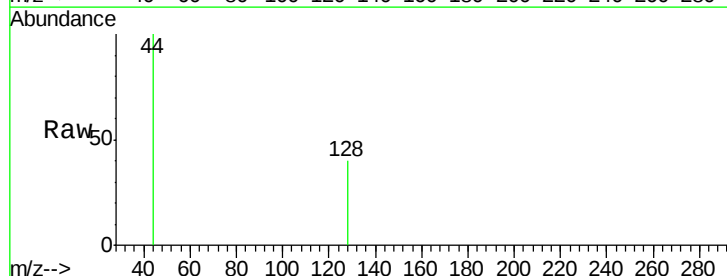


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.713 ug/l
RT: 13.76 min Scan# 4096
Delta R.T. 0.02 min
Lab File: VU024945.D
Acq: 27 Jun 2018 01:34

Tgt Ion: 128 Resp: 393
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): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

