

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025045.D
 Acq On : 29 Jun 2018 01:59
 Operator : MD/SY
 Sample : J3669-31ME 10X
 Misc : 6.81g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-33-35-180620ME

Quant Time: Jun 29 05:15:43 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

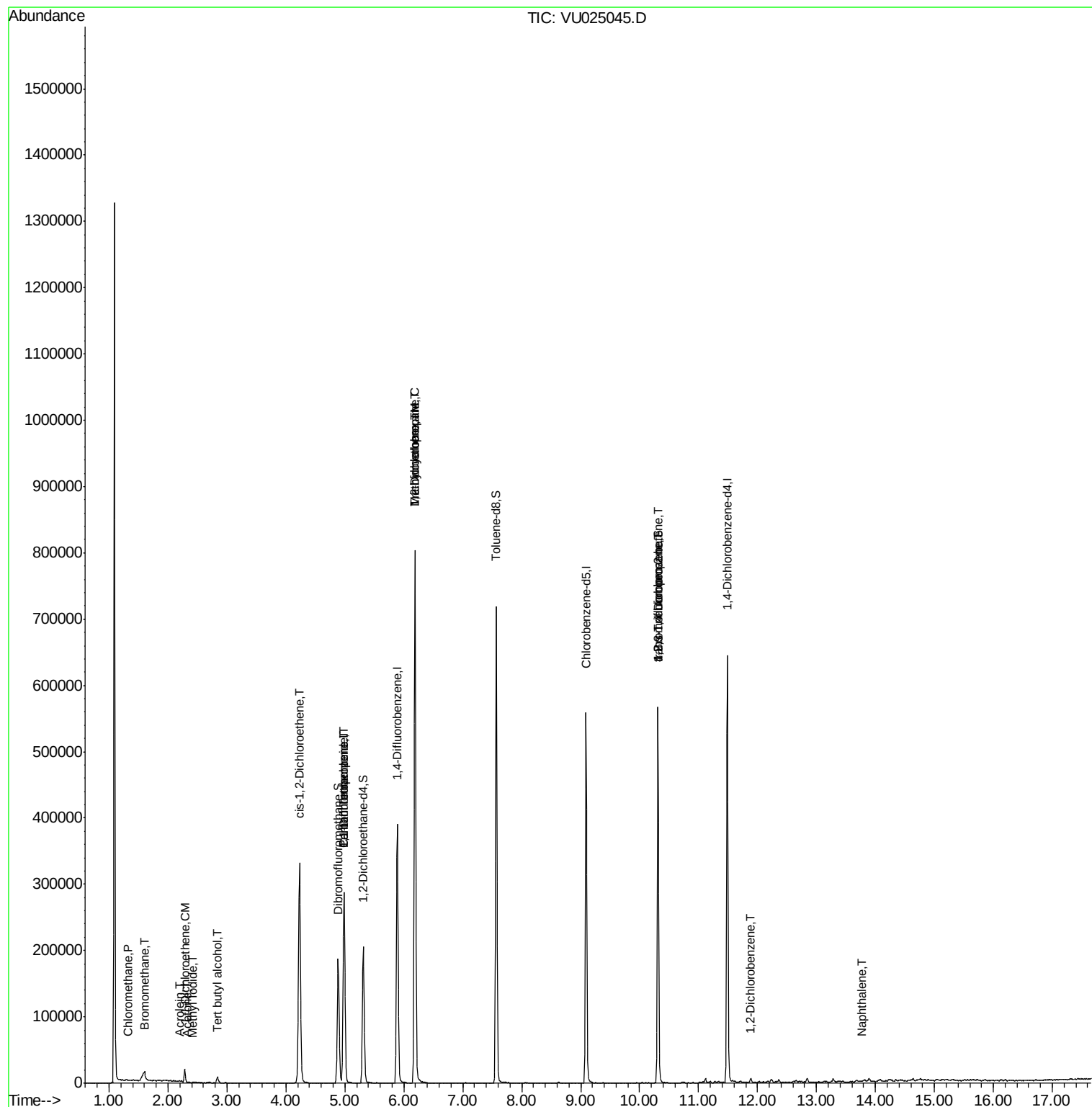
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	220891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	330348	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	307576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	168238	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	166429	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	4.89	113	127328	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	7.57	98	475035	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
62) 4-Bromofluorobenzene	10.31	95	179715	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	759	0.269	ug/l #	84
5) Bromomethane	1.62	94	536	0.381	ug/l	97
6) Chloroethane	1.69	64	66	Below Cal	#	43
10) Methyl Iodide	2.42	142	385	5.436	ug/l #	61
11) Tert butyl alcohol	2.83	59	4784	5.455	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	6002	2.386	ug/l	95
13) Acrolein	2.18	56	135	0.293	ug/l #	77
16) Acetone	2.33	43	1222	0.631	ug/l #	82
27) cis-1,2-Dichloroethene	4.23	96	185729	58.317	ug/l	88
31) Cyclohexane	4.99	56	4517	Below Cal	#	16
36) 1,1-Dichloropropene	4.99	75	16044	4.133	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21183	4.962	ug/l #	16
39) Methylcyclohexane	6.19	83	3283	0.678	ug/l #	1
44) Trichloroethene	6.19	130	280275	89.033	ug/l	97
45) 1,2-Dichloropropane	6.19	63	848	0.287	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	92961	25.098	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	92961	58.086	ug/l #	100
91) 1,2-Dichlorobenzene	11.88	146	3196	0.528	ug/l	96
95) Naphthalene	13.76	128	483	0.718	ug/l #	69

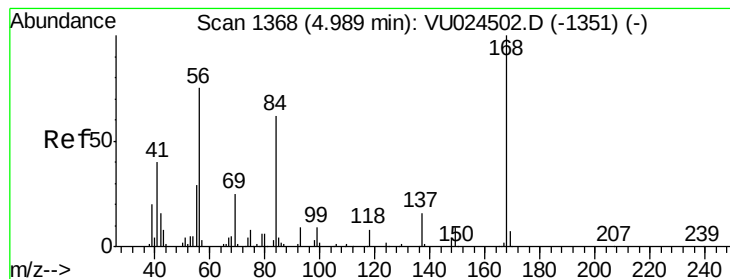
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

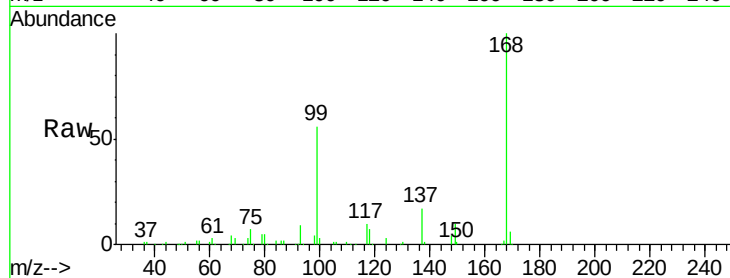
WP021SB474-33-35-180620ME

Tgt Ion:168 Resp: 220891

Ion Ratio Lower Upper

168 100

99 56.1 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

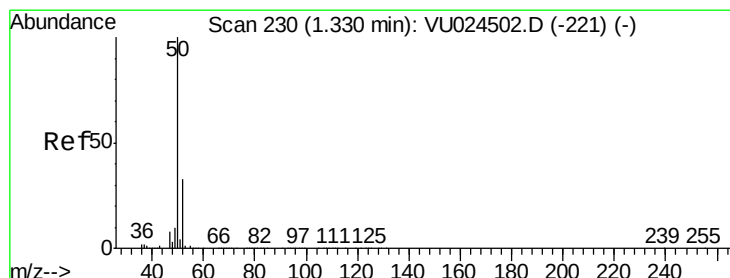
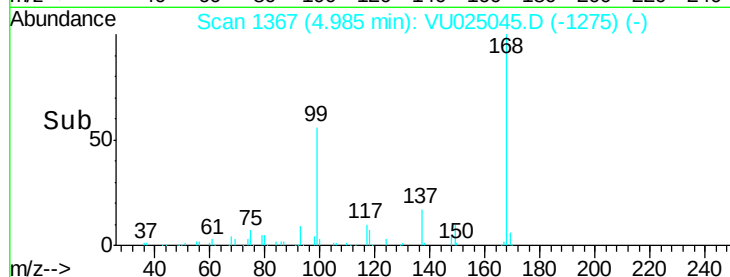
40000

20000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025045.D

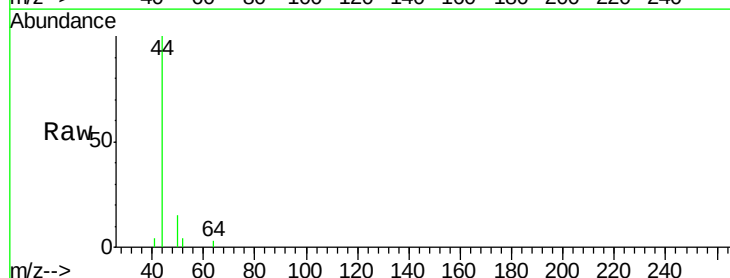
Acq: 29 Jun 2018 01:59

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

50 100

52 24.2 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

500

400

300

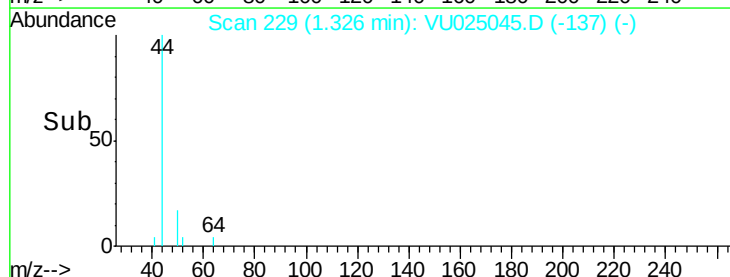
200

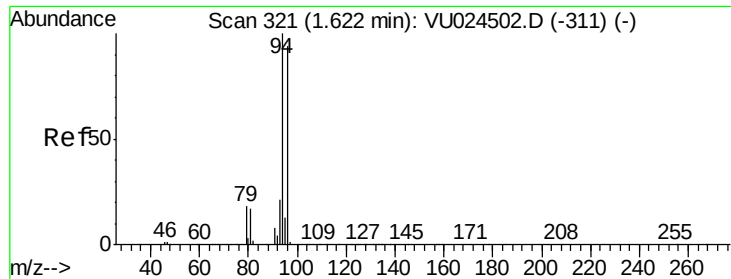
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.381 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

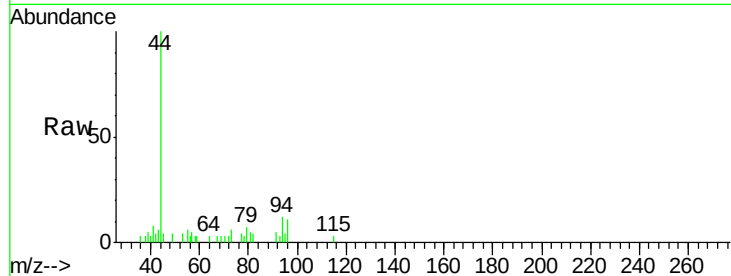
WP021SB474-33-35-180620ME

Tgt Ion: 94 Resp: 536

Ion Ratio Lower Upper

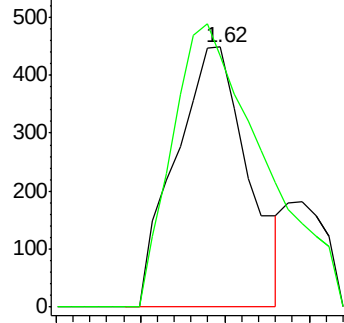
94 100

96 96.4 74.5 111.7

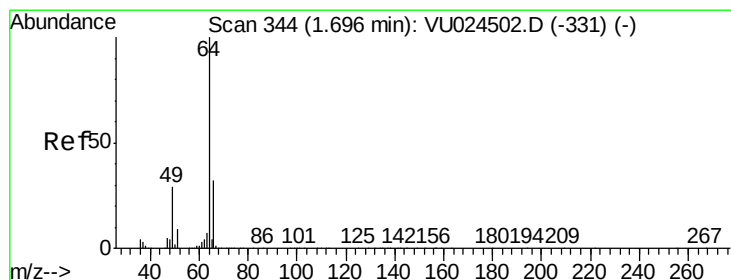
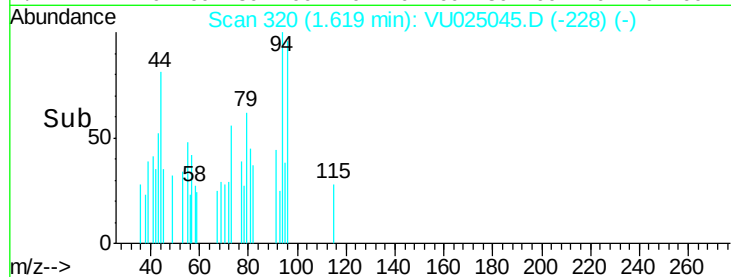


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025045.D

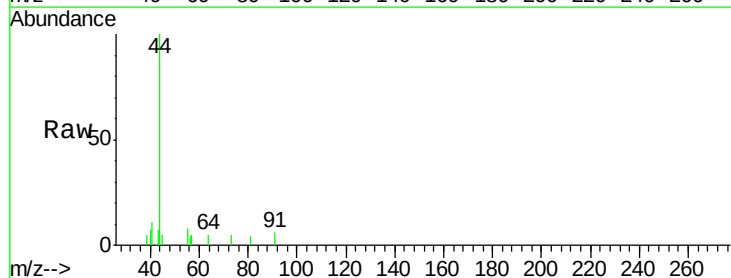
Acq: 29 Jun 2018 01:59

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

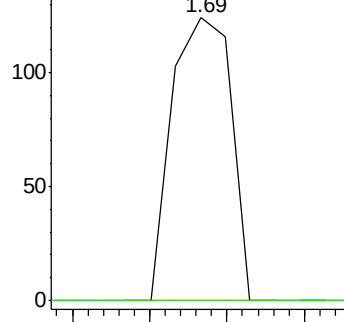
64 100

66 0.0 25.5 38.3#

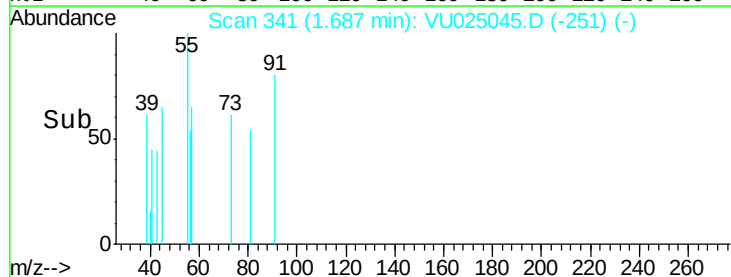


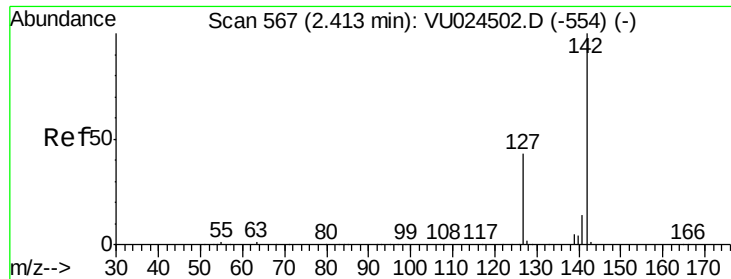
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->

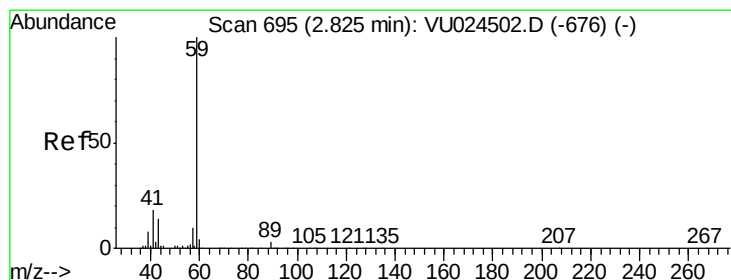
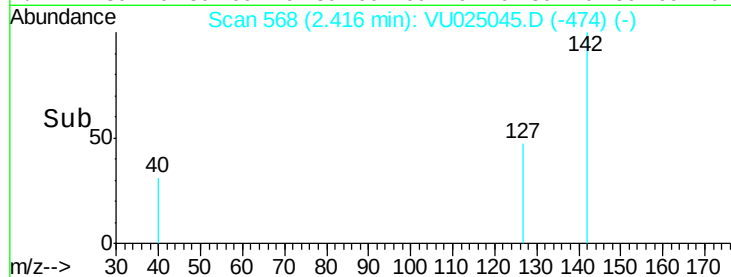
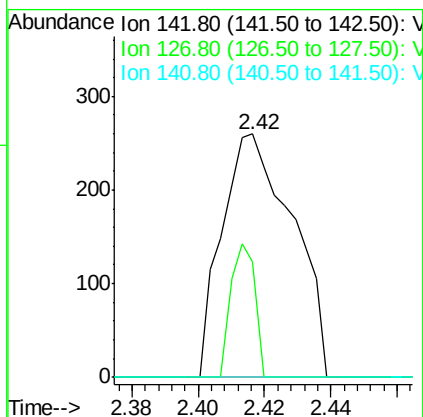
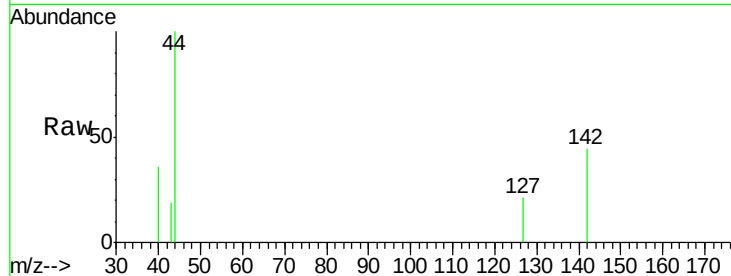




#10
Methyl Iodide
Concen: 5.436 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

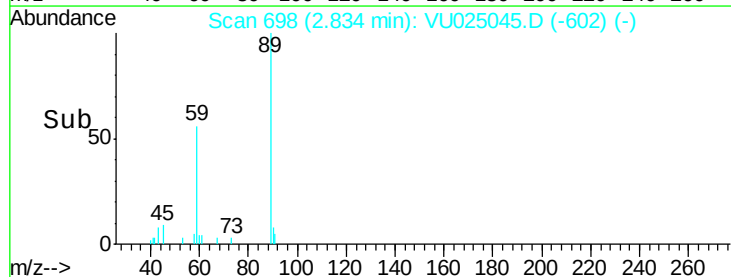
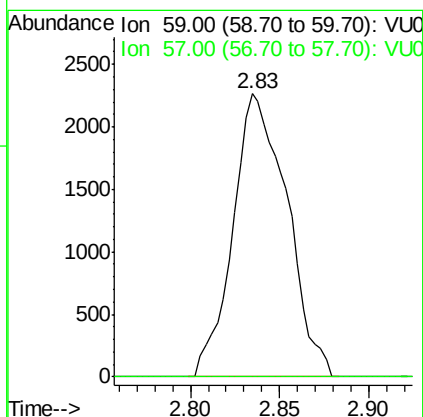
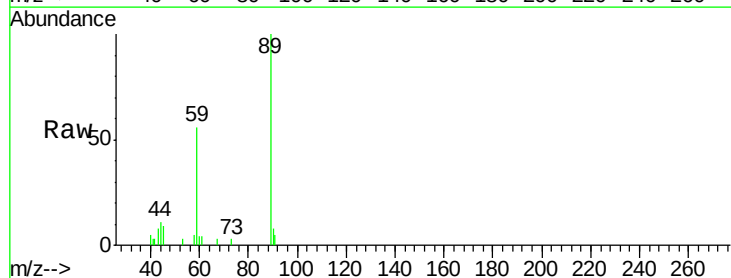
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-33-35-180620ME

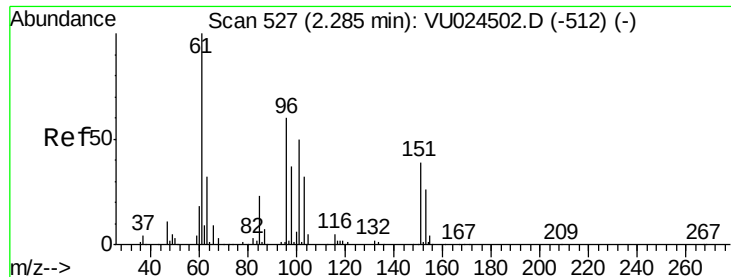
Tgt Ion: 142 Resp: 385
Ion Ratio Lower Upper
142 100
127 18.7 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.455 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

Tgt Ion: 59 Resp: 4784
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 2.386 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-33-35-180620ME

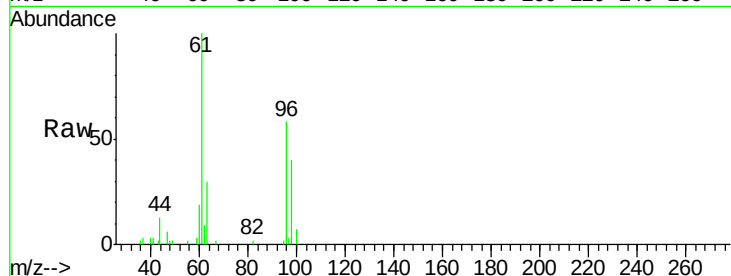
Tgt Ion: 96 Resp: 6002

Ion Ratio Lower Upper

96 100

61 171.0 141.7 212.5

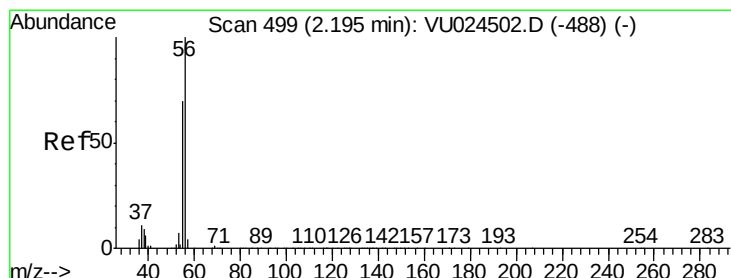
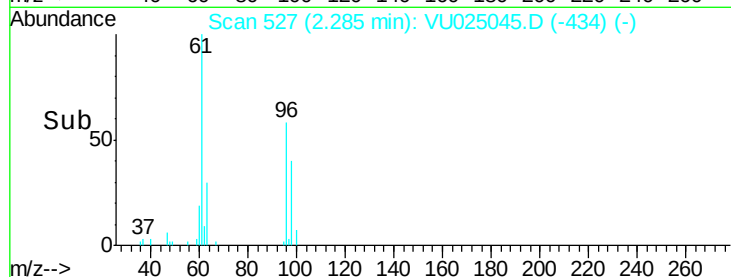
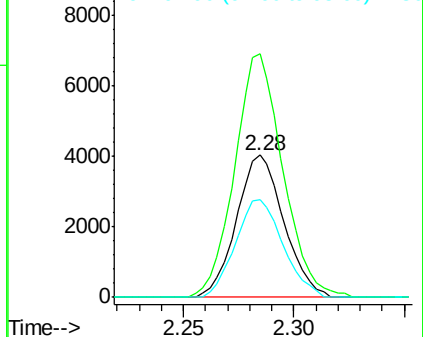
98 68.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU025045.D (-434) (-)

Ion 60.90 (60.60 to 61.60): VU025045.D (-434) (-)

Ion 97.90 (97.60 to 98.60): VU025045.D (-434) (-)



#13

Acrolein

Concen: 0.293 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU025045.D

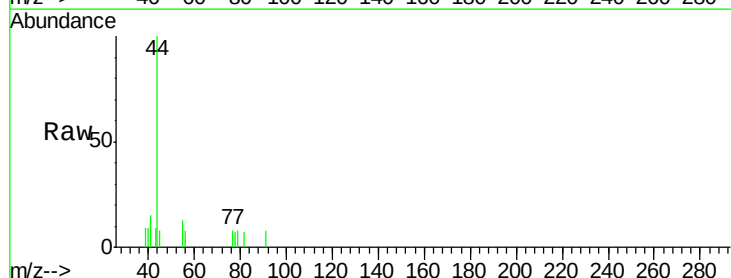
Acq: 29 Jun 2018 01:59

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

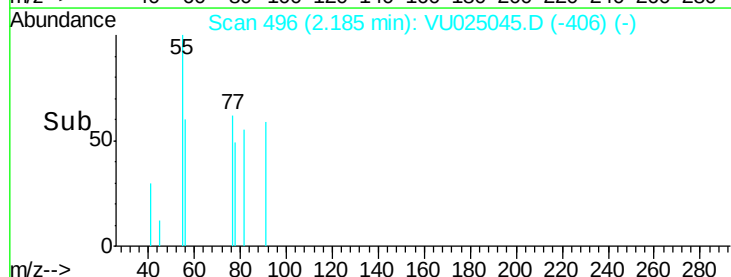
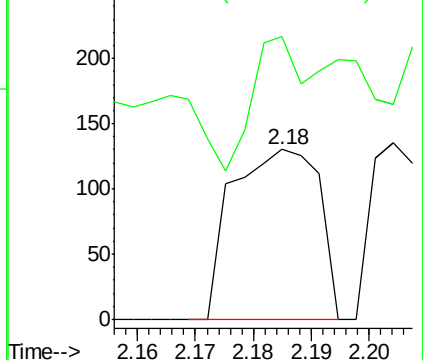
56 100

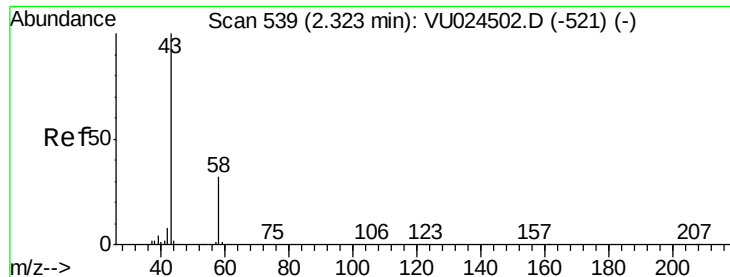
55 53.3 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU025045.D (-406) (-)

Ion 55.00 (54.70 to 55.70): VU025045.D (-406) (-)





#16

Acetone

Concen: 0.631 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

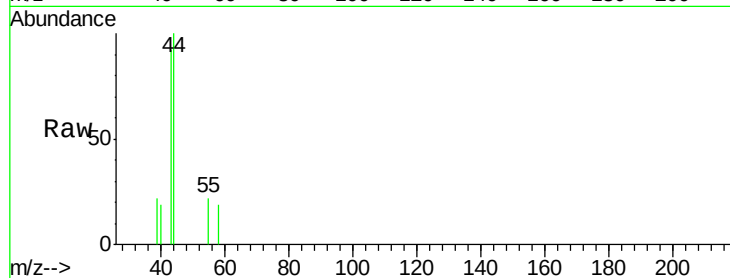
WP021SB474-33-35-180620ME

Tgt Ion: 43 Resp: 1222

Ion Ratio Lower Upper

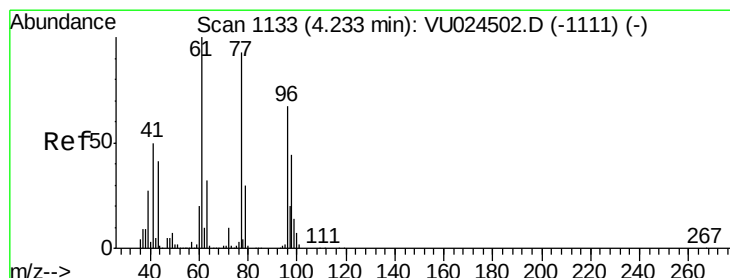
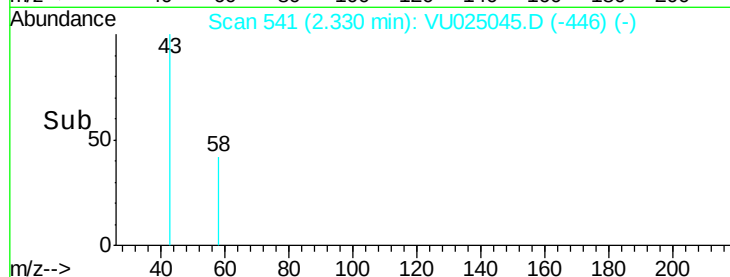
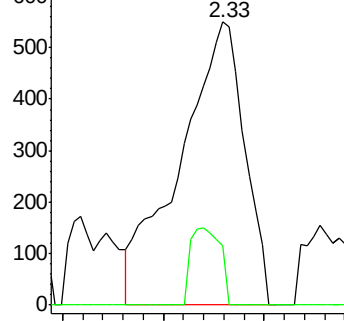
43 100

58 20.9 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: 58.317 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

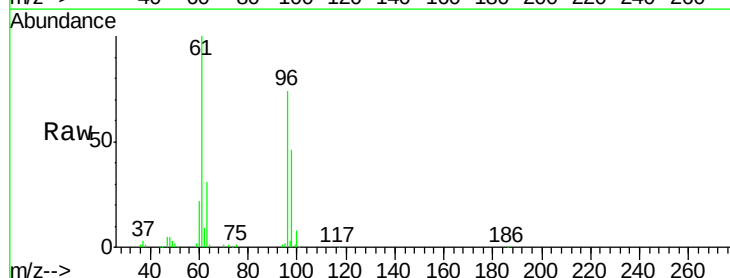
Tgt Ion: 96 Resp: 185729

Ion Ratio Lower Upper

96 100

61 132.5 0.0 306.6

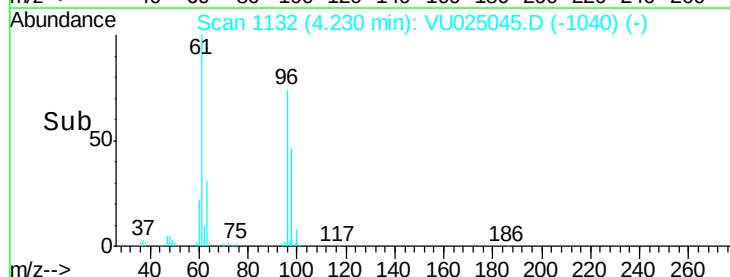
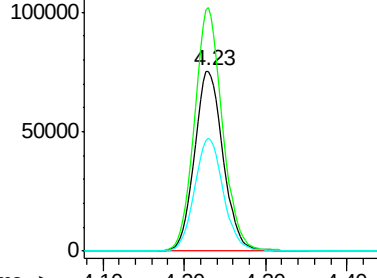
98 63.0 0.0 128.8

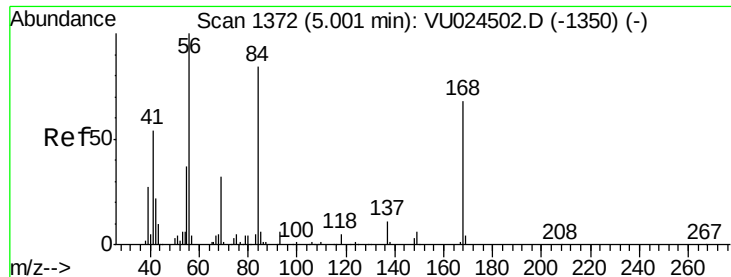


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

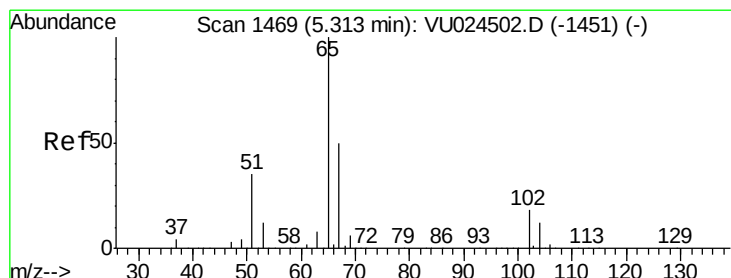
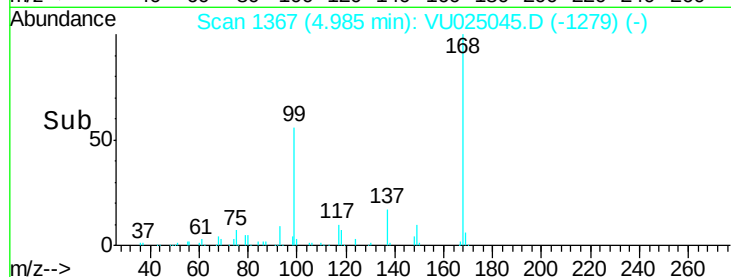
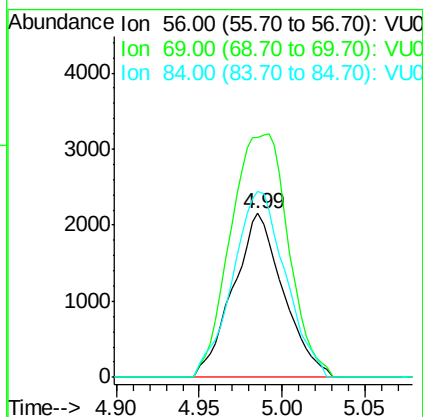
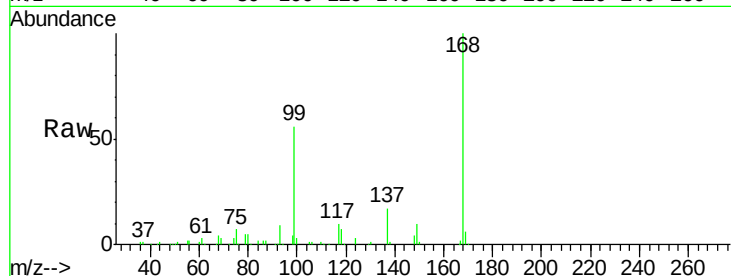




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

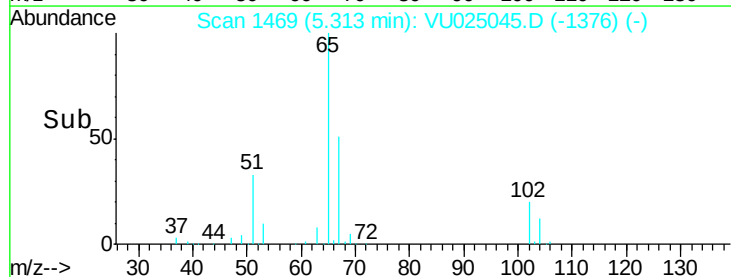
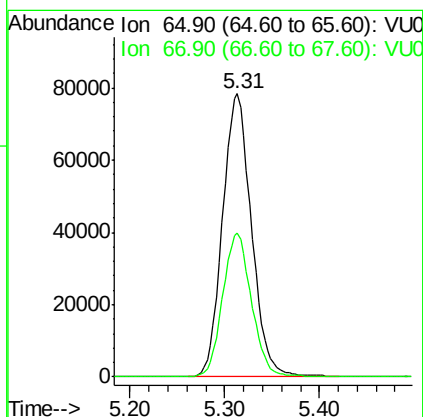
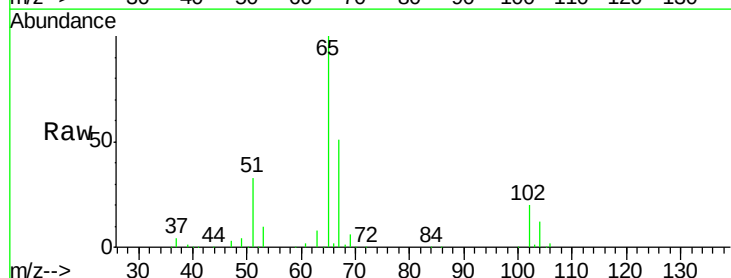
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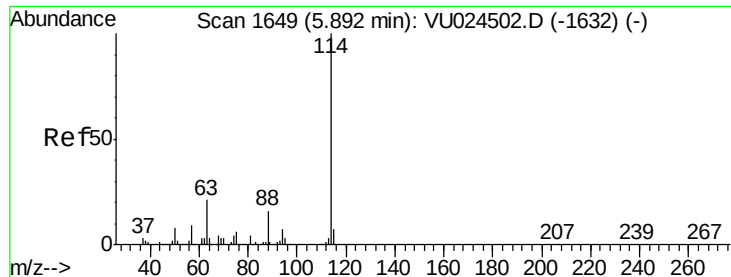
Tgt Ion: 56 Resp: 4517
Ion Ratio Lower Upper
56 100
69 146.1 24.8 37.2#
84 113.4 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.152 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

Tgt Ion: 65 Resp: 166429
Ion Ratio Lower Upper
65 100
67 50.6 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: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-33-35-180620ME

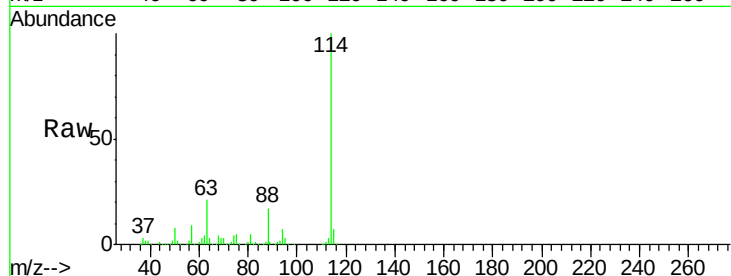
Tgt Ion:114 Resp: 330348

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

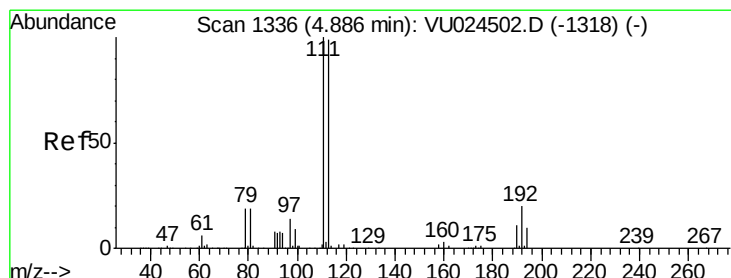
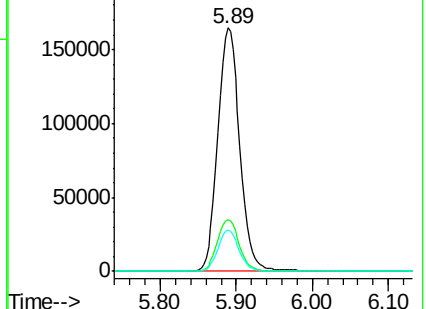
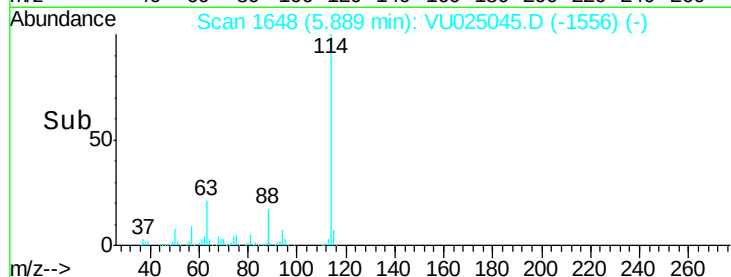
88 16.9 0.0 31.0



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: 46.442 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

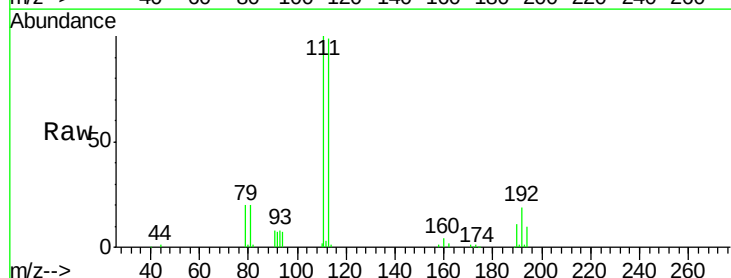
Tgt Ion:113 Resp: 127328

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

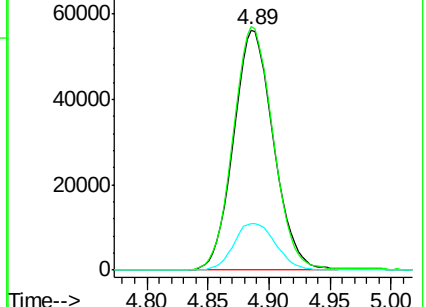
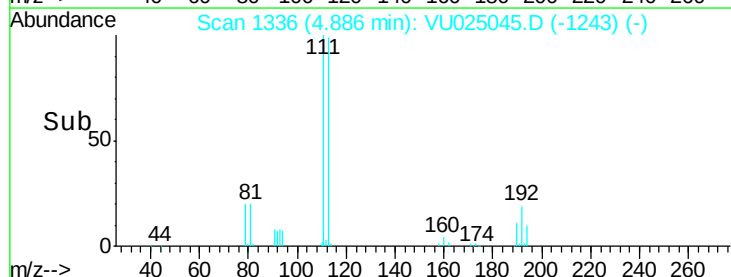
192 20.5 16.2 24.4

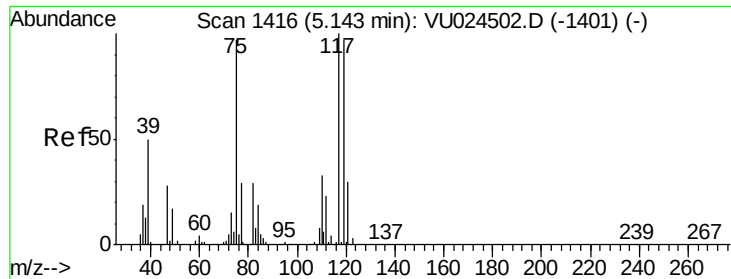


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

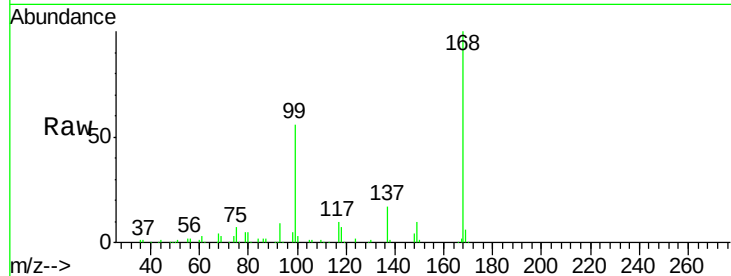




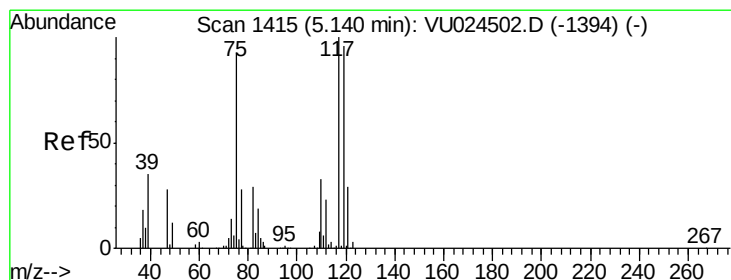
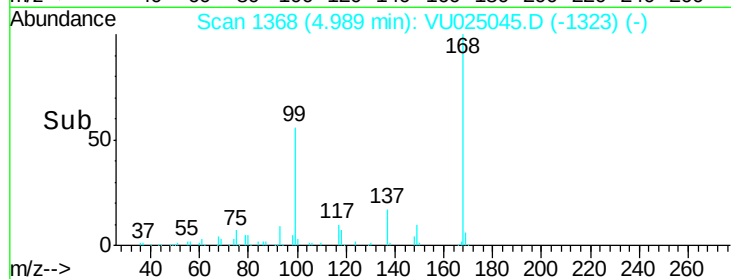
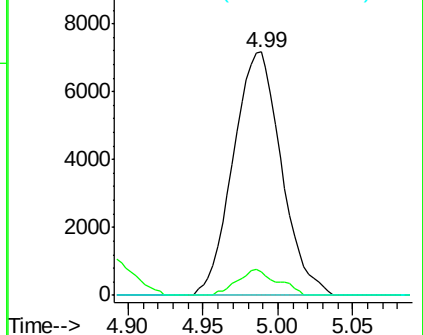
#36
 1,1-Dichloropropene
 Concen: 4.133 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025045.D
 Acq: 29 Jun 2018 01:59

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-33-35-180620ME

Tgt Ion: 75 Resp: 16044
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.0 50.9#
 77 0.0 24.2 36.4#

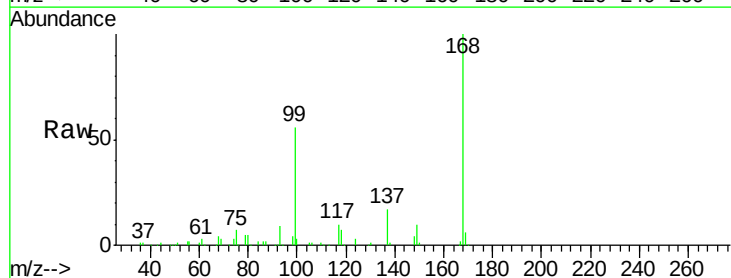


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

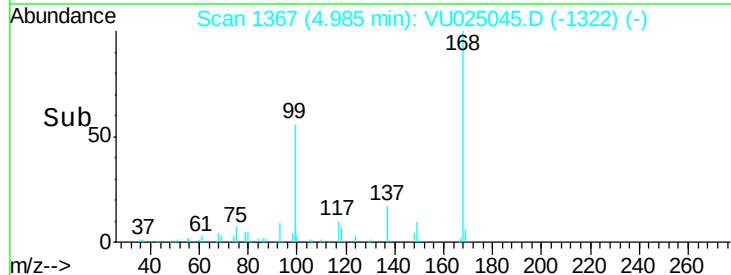
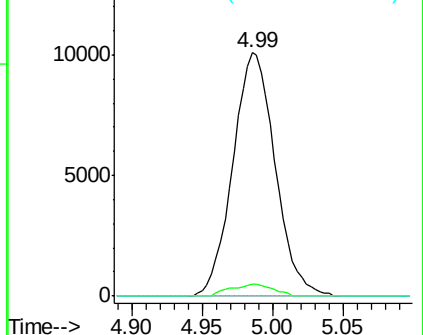


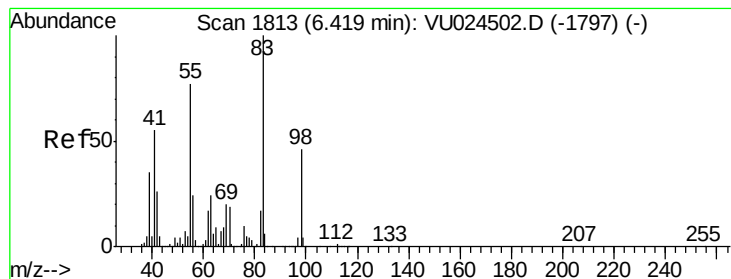
#38
 Carbon Tetrachloride
 Concen: 4.962 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025045.D
 Acq: 29 Jun 2018 01:59

Tgt Ion: 117 Resp: 21183
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.1 114.1#
 121 0.0 23.7 35.5#



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





#39

Methylcyclohexane

Concen: 0.678 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-33-35-180620ME

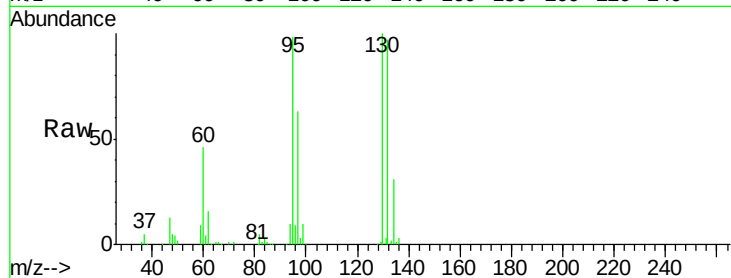
Tgt Ion: 83 Resp: 3283

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

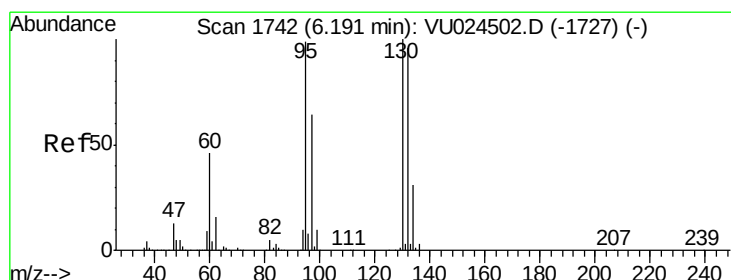
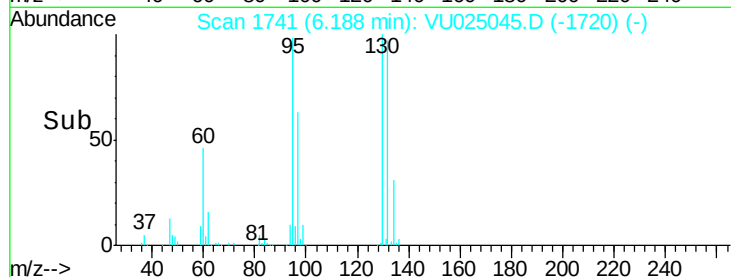
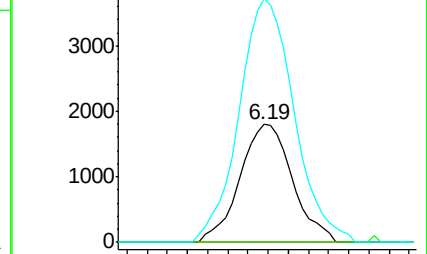
98 206.2 36.7 55.1#



Abundance Ion 83.00 (82.70 to 83.70): VU025045.D (-1720) (-)

Ion 55.00 (54.70 to 55.70): VU025045.D (-1720) (-)

Ion 98.00 (97.70 to 98.70): VU025045.D (-1720) (-)



#44

Trichloroethene

Concen: 89.033 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025045.D

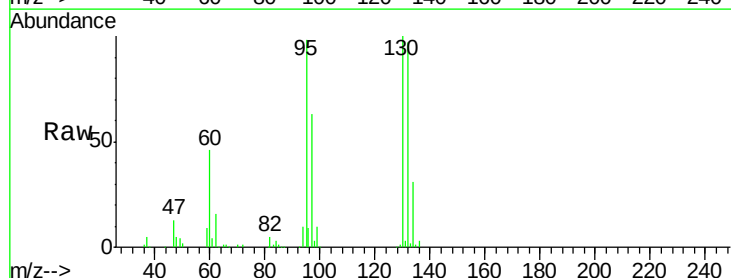
Acq: 29 Jun 2018 01:59

Tgt Ion:130 Resp: 280275

Ion Ratio Lower Upper

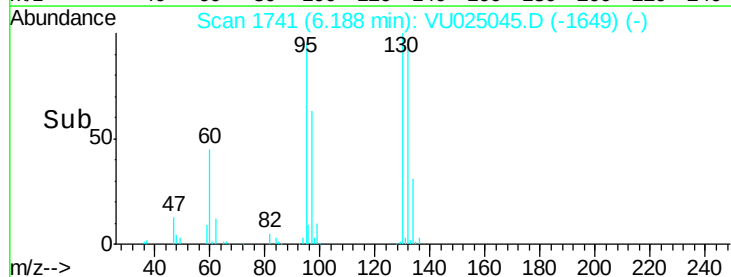
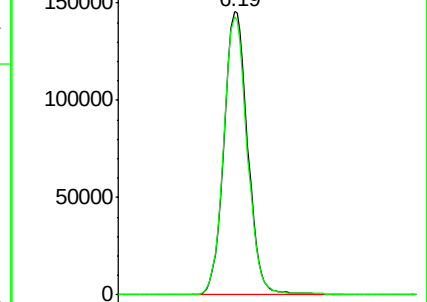
130 100

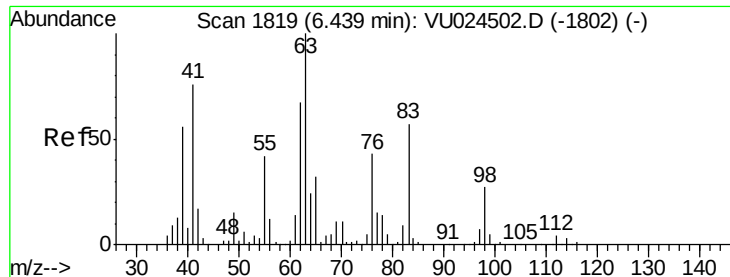
95 98.4 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU025045.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU025045.D (-1649) (-)





#45

1,2-Dichloropropane

Concen: 0.287 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.25 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

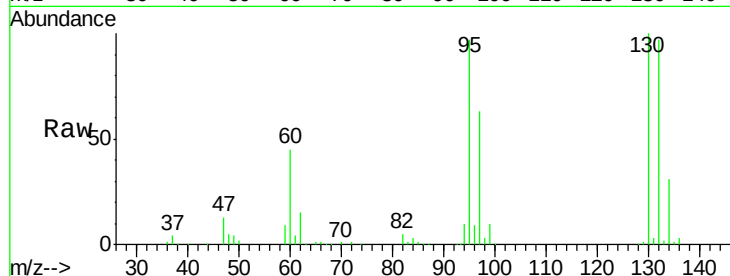
WP021SB474-33-35-180620ME

Tgt Ion: 63 Resp: 848

Ion Ratio Lower Upper

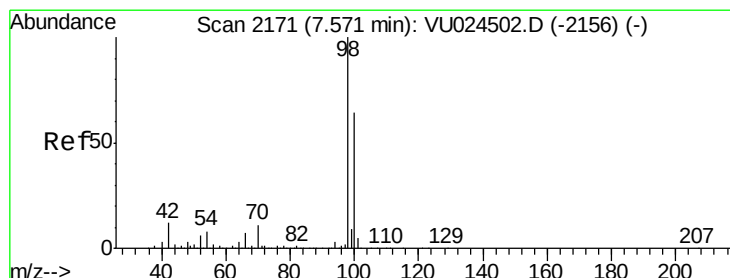
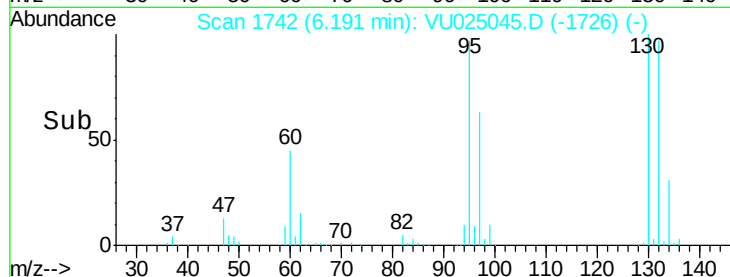
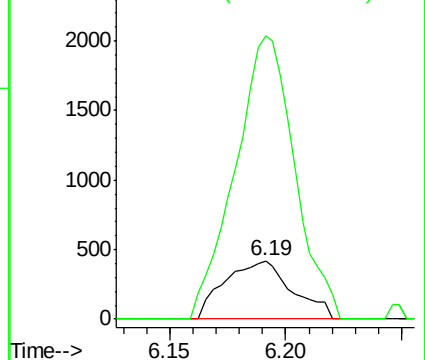
63 100

65 483.6 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#50

Toluene-d8

Concen: 47.502 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025045.D

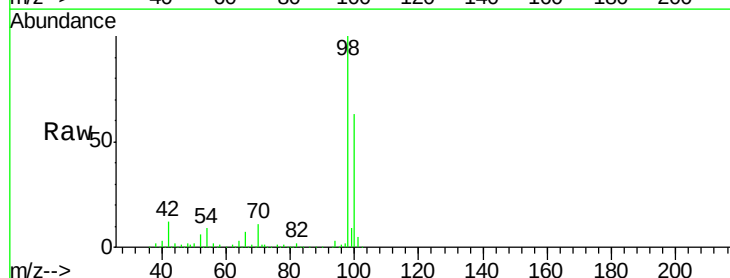
Acq: 29 Jun 2018 01:59

Tgt Ion: 98 Resp: 475035

Ion Ratio Lower Upper

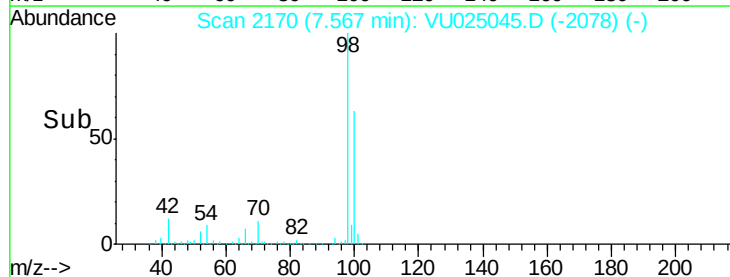
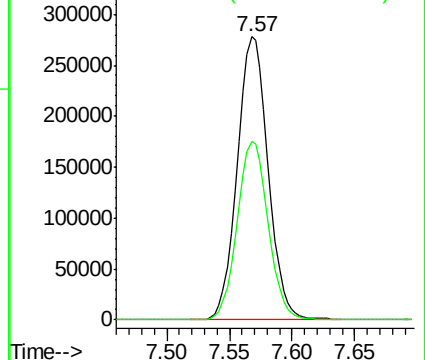
98 100

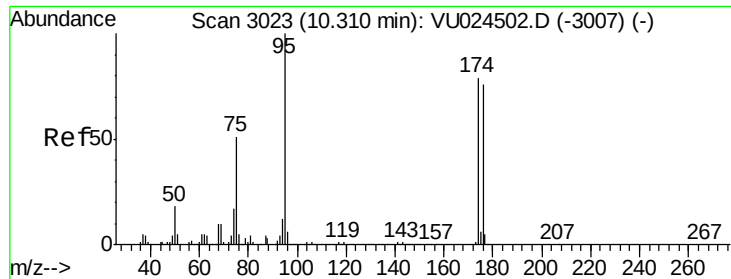
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.262 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

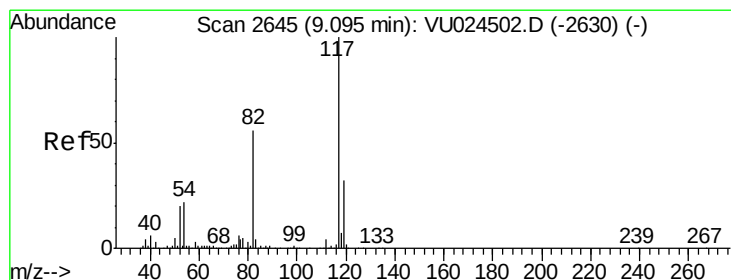
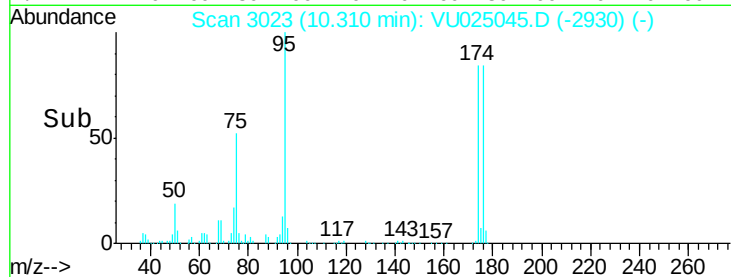
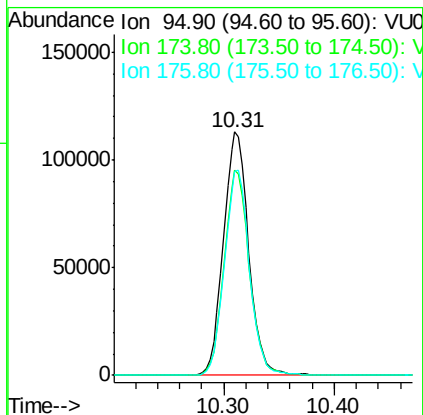
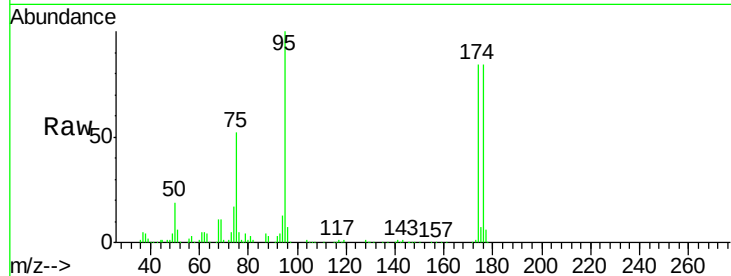
Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-33-35-180620ME

Tgt Ion:	95	Resp:	179715
Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	165.8
176	83.4	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

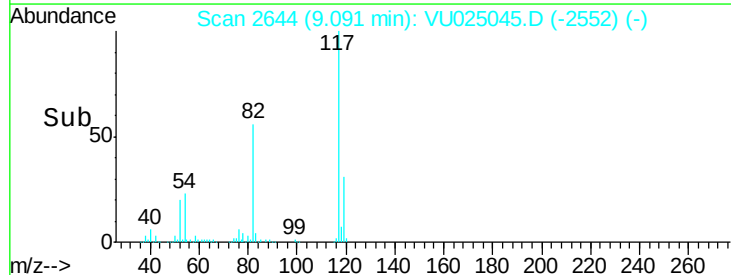
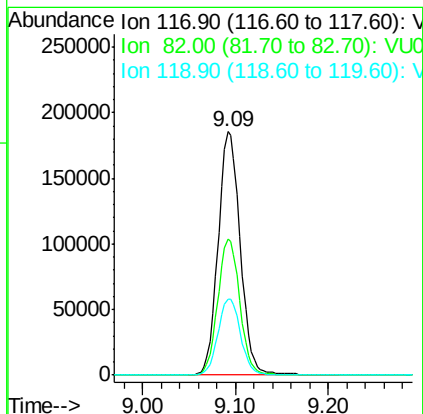
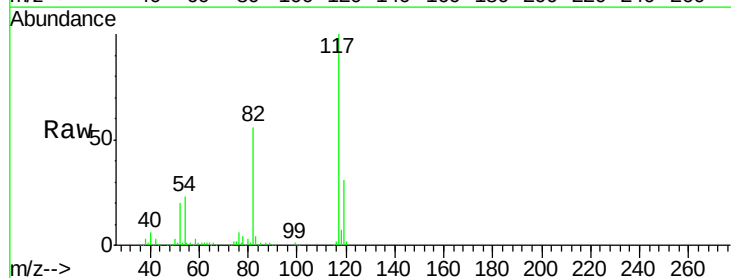
RT: 9.09 min Scan# 2644

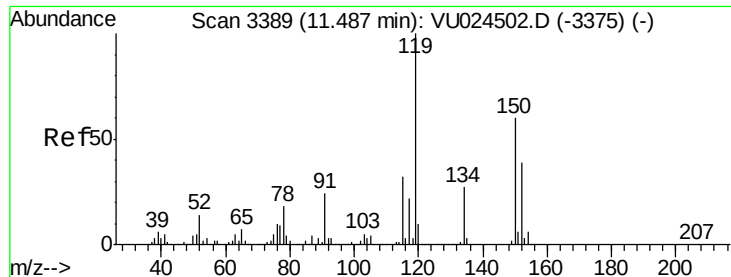
Delta R.T. -0.00 min

Lab File: VU025045.D

Acq: 29 Jun 2018 01:59

Tgt Ion:	117	Resp:	307576
Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	31.3	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: VU025045.D

Acq: 29 Jun 2018 01:59

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-33-35-180620ME

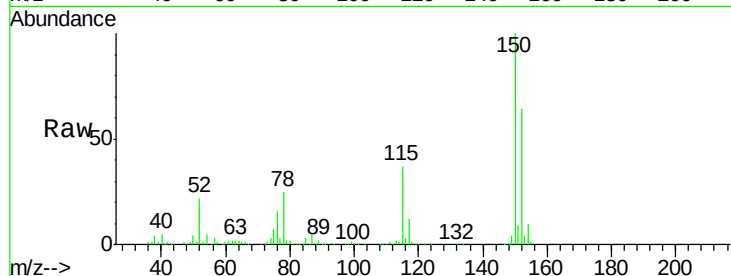
Tgt Ion:152 Resp: 168238

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

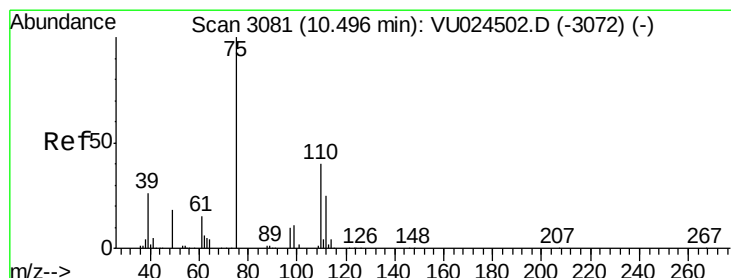
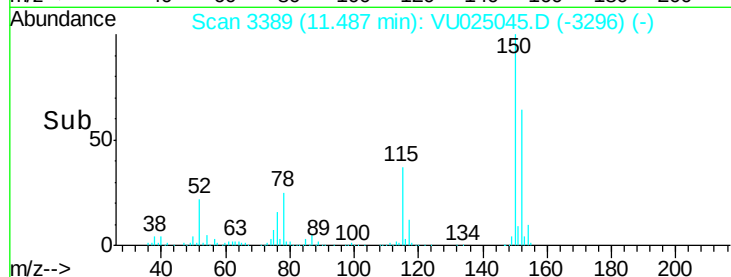
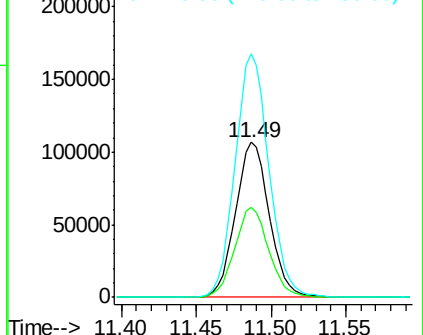
150 157.3 0.0 354.0



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: 25.098 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025045.D

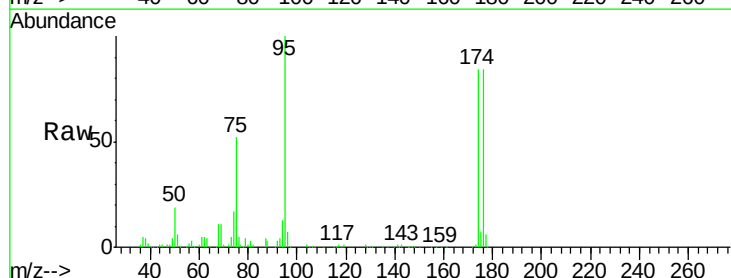
Acq: 29 Jun 2018 01:59

Tgt Ion: 75 Resp: 92961

Ion Ratio Lower Upper

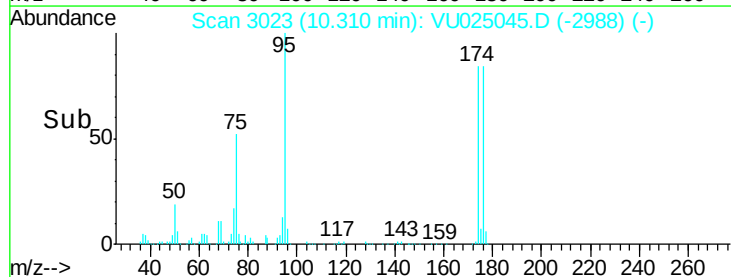
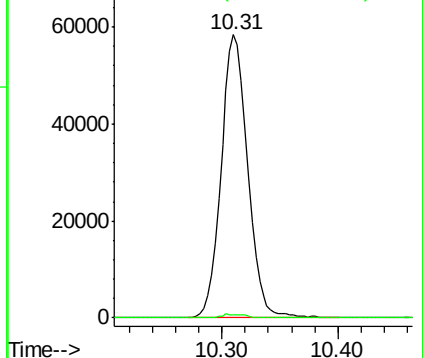
75 100

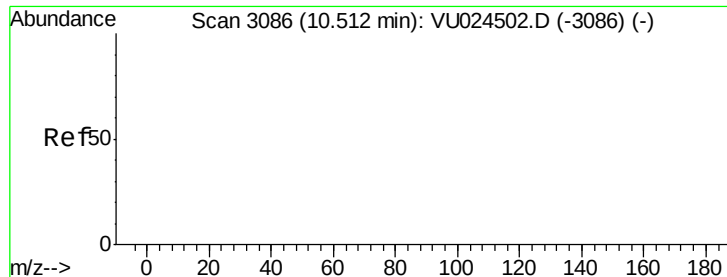
77 0.6 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

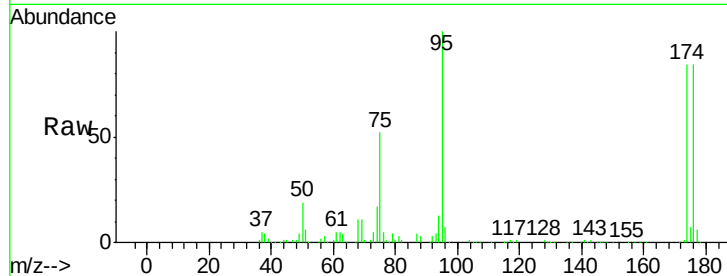




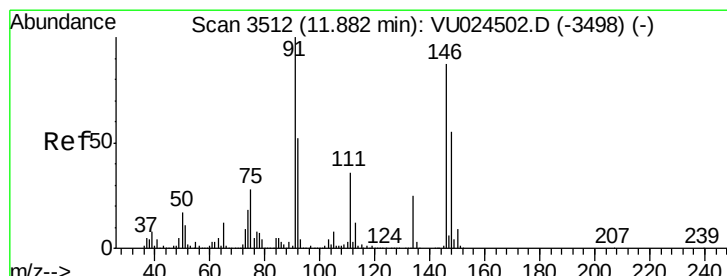
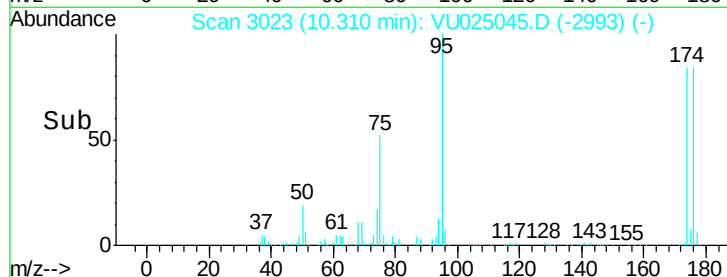
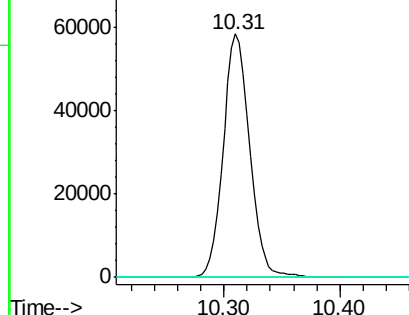
#81
trans-1,4-Dichloro-2-butene
Concen: 58.086 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-33-35-180620ME

Tgt Ion: 75 Resp: 92961
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

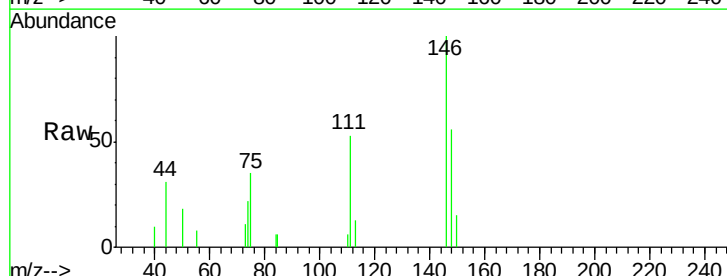


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

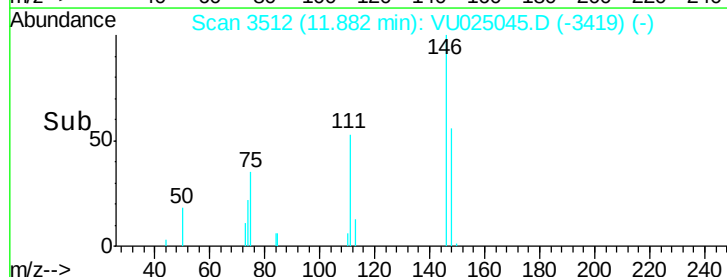
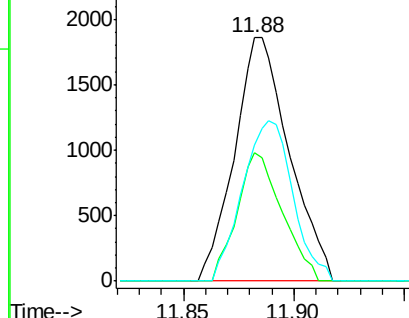


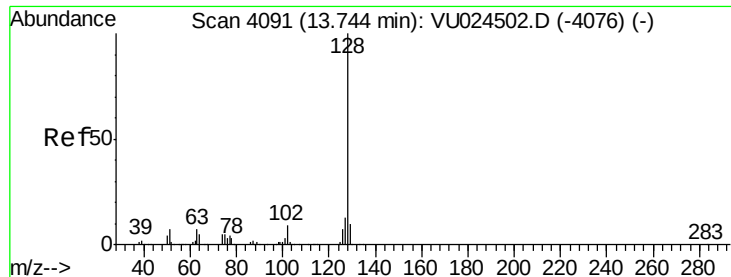
#91
1,2-Dichlorobenzene
Concen: 0.528 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

Tgt Ion: 146 Resp: 3196
Ion Ratio Lower Upper
146 100
111 43.5 20.5 61.6
148 60.5 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95
Naphthalene
Concen: 0.718 ug/l
RT: 13.76 min Scan# 4097
Delta R.T. 0.02 min
Lab File: VU025045.D
Acq: 29 Jun 2018 01:59

Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-33-35-180620ME

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

