

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024985.D
 Acq On : 27 Jun 2018 23:20
 Operator : MD/SY
 Sample : J3670-06ME
 Misc : 5.79g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-19-21-180621ME

Quant Time: Jun 28 02:31:51 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	4.98	168	235824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	358139	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	340735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	191149	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	176145	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
35) Dibromofluoromethane	4.89	113	136966	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	7.57	98	517552	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	10.32	95	211810	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	

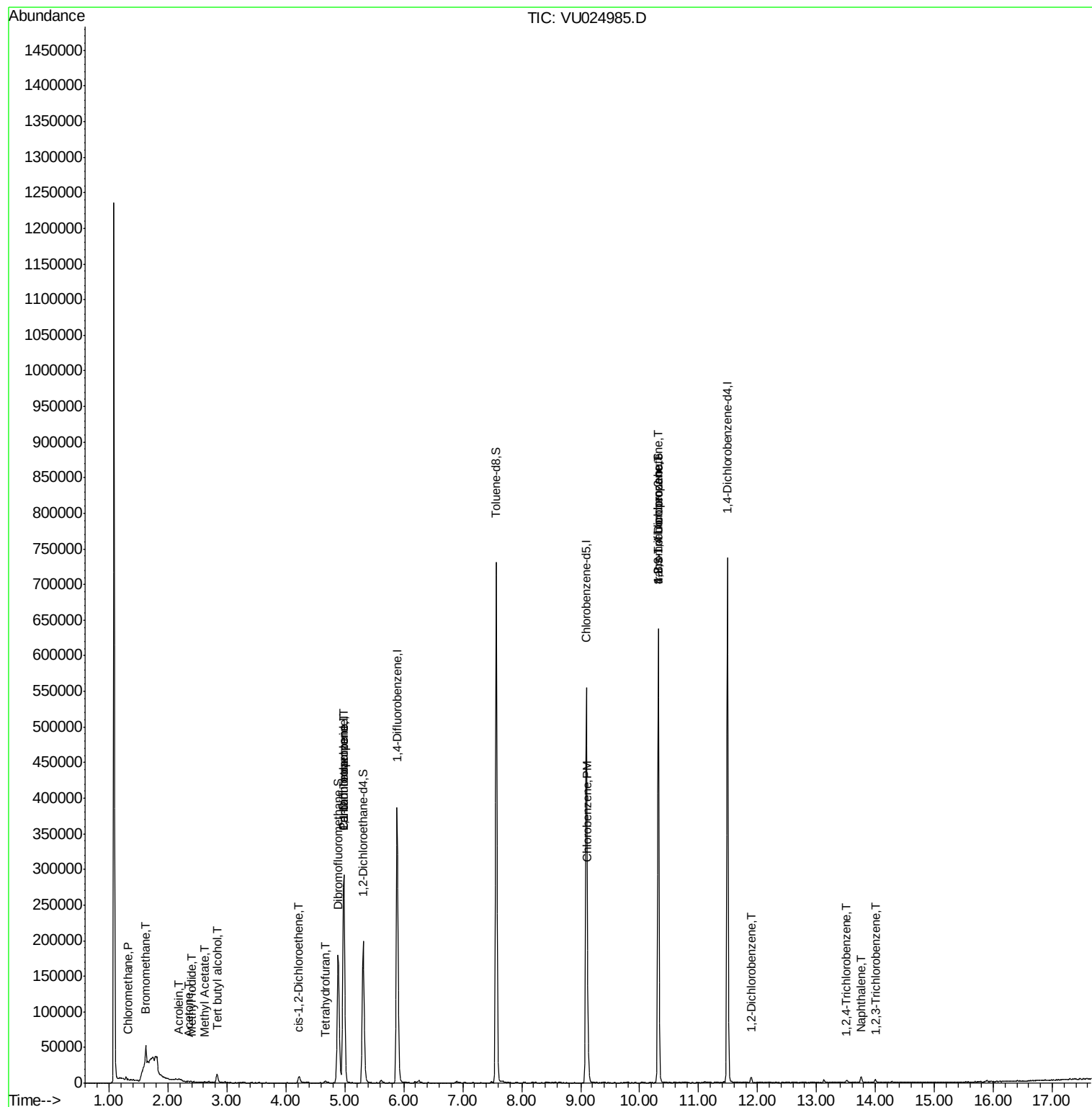
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1370	0.454	ug/l #	79
5) Bromomethane	1.60	94	1312	0.873	ug/l	95
6) Chloroethane	1.72	64	158	Below Cal	#	43
8) Diethyl Ether	2.11	74	41	Below Cal	#	1
10) Methyl Iodide	2.39	142	1480	5.820	ug/l #	88
11) Tert butyl alcohol	2.83	59	7097	7.580	ug/l #	72
13) Acrolein	2.19	56	148	0.301	ug/l #	54
16) Acetone	2.35	43	1143	0.553	ug/l	98
18) Methyl Acetate	2.63	43	1861	0.420	ug/l #	70
27) cis-1,2-Dichloroethene	4.21	96	2877	0.846	ug/l #	7
29) Tetrahydrofuran	4.66	42	1841	1.070	ug/l #	85
31) Cyclohexane	4.98	56	4952	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	17192	4.085	ug/l #	51
38) Carbon Tetrachloride	4.98	117	22439	4.849	ug/l #	16
65) Chlorobenzene	9.12	112	19453	2.235	ug/l	94
76) 1,2,3-Trichloropropane	10.32	75	110573	26.274	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	110573	60.810	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2695	0.392	ug/l	100
93) 1,2,4-Trichlorobenzene	13.52	180	1549	0.365	ug/l	92
95) Naphthalene	13.76	128	9785	1.366	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.99	180	1815	0.429	ug/l	95

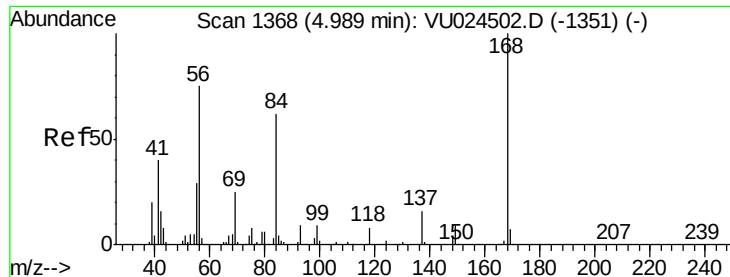
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

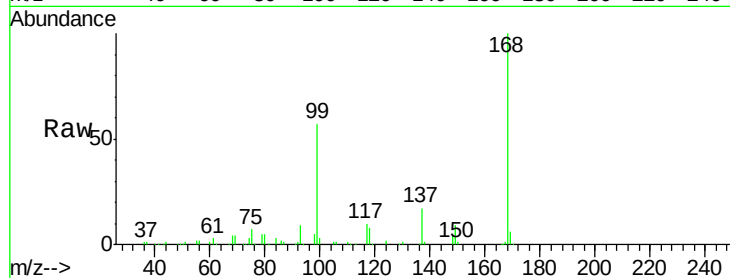
WP021SB487-19-21-180621ME

Tgt Ion:168 Resp: 235824

Ion Ratio Lower Upper

168 100

99 56.6 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) (-)

4.98

120000

100000

80000

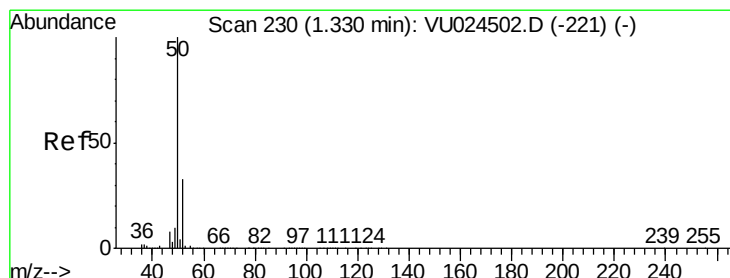
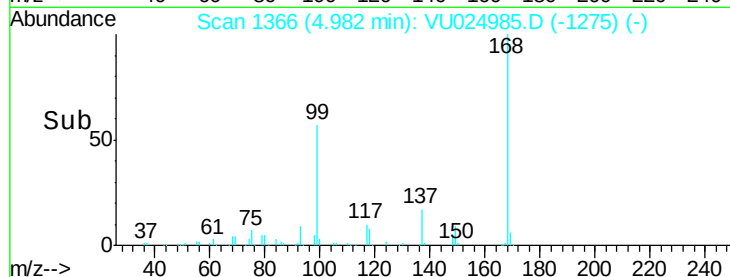
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.454 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024985.D

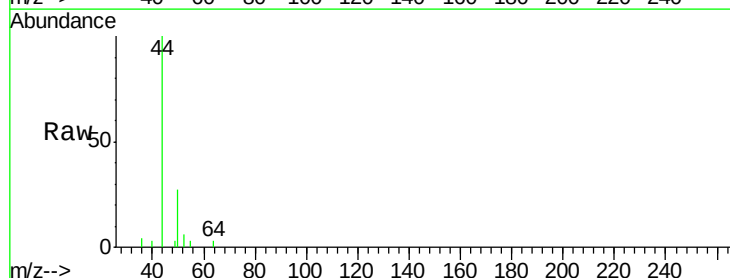
Acq: 27 Jun 2018 23:20

Tgt Ion: 50 Resp: 1370

Ion Ratio Lower Upper

50 100

52 21.4 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) (-)

1.32

1200

1000

800

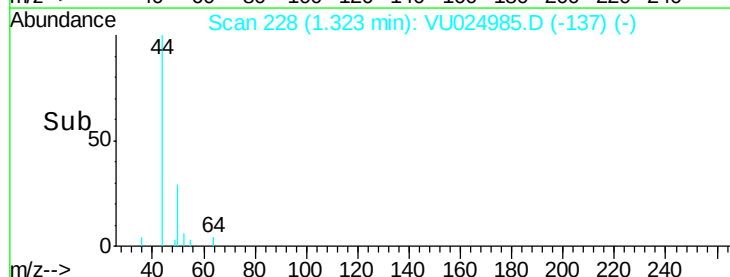
600

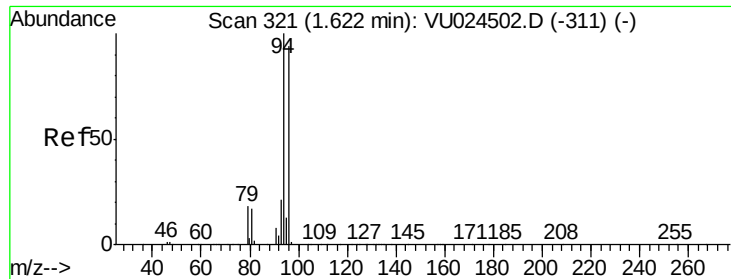
400

200

0

Time-->





#5

Bromomethane

Concen: 0.873 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

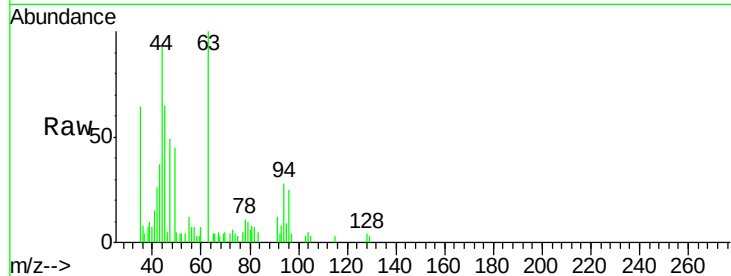
WP021SB487-19-21-180621ME

Tgt Ion: 94 Resp: 1312

Ion Ratio Lower Upper

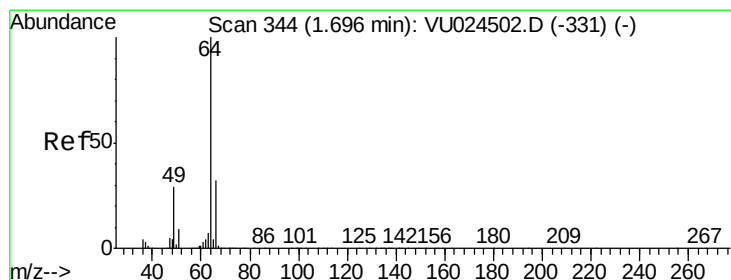
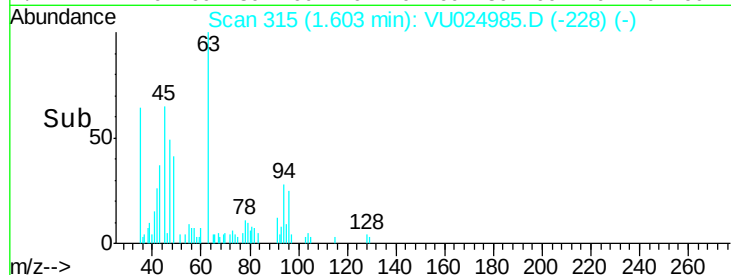
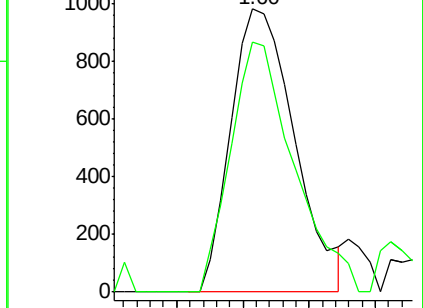
94 100

96 88.3 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: 1.72 min Scan# 350

Delta R.T. 0.02 min

Lab File: VU024985.D

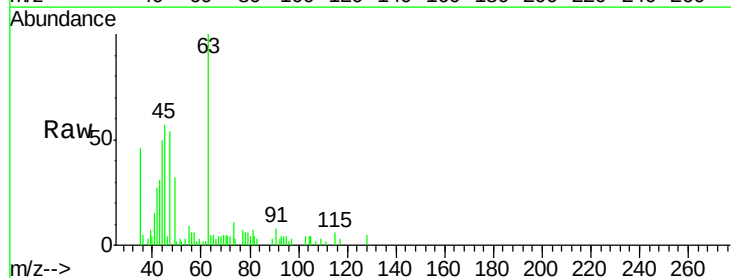
Acq: 27 Jun 2018 23:20

Tgt Ion: 64 Resp: 158

Ion Ratio Lower Upper

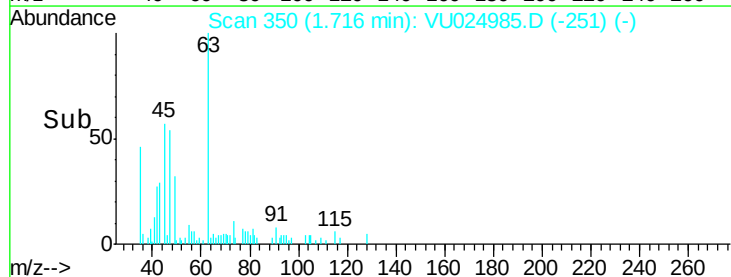
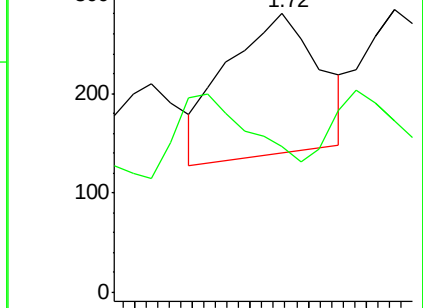
64 100

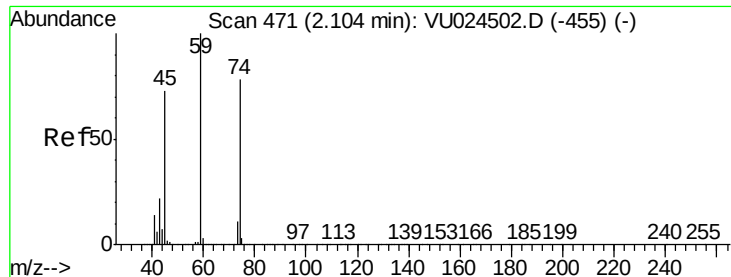
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.11 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

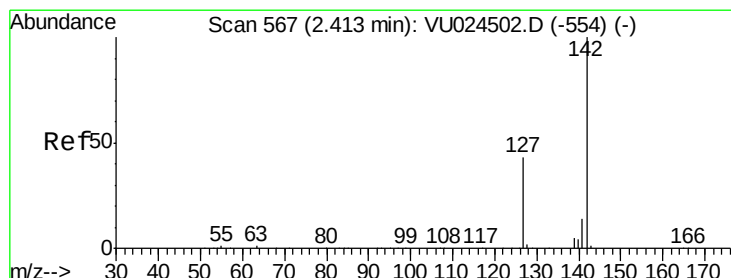
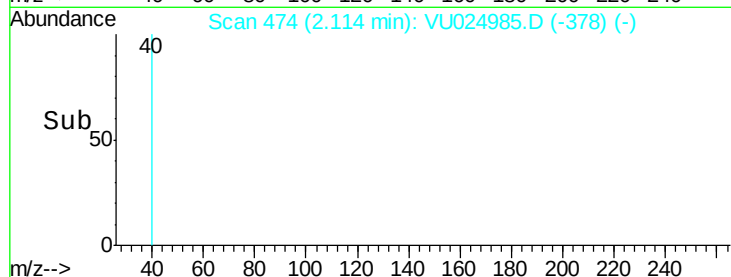
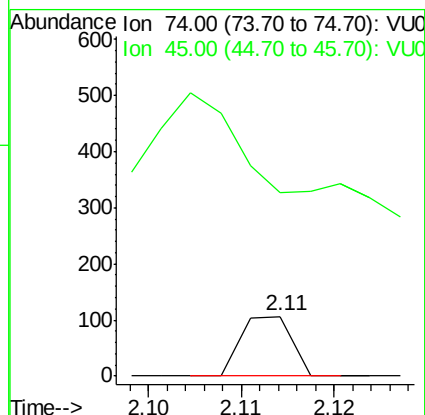
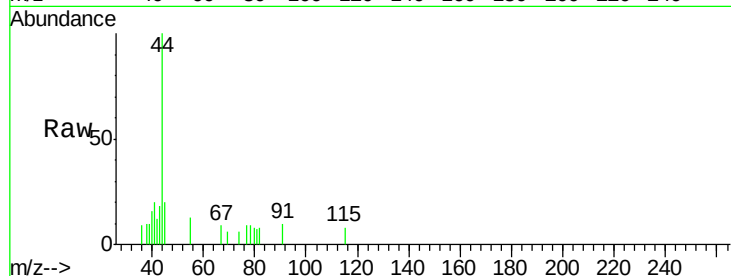
WP021SB487-19-21-180621ME

Tgt Ion: 74 Resp: 41

Ion Ratio Lower Upper

74 100

45 1346.3 55.0 165.0#



#10

Methyl Iodide

Concen: 5.820 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

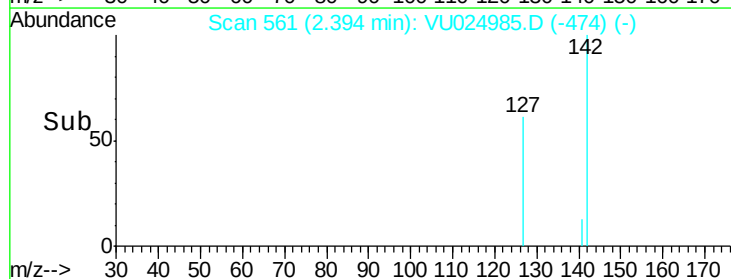
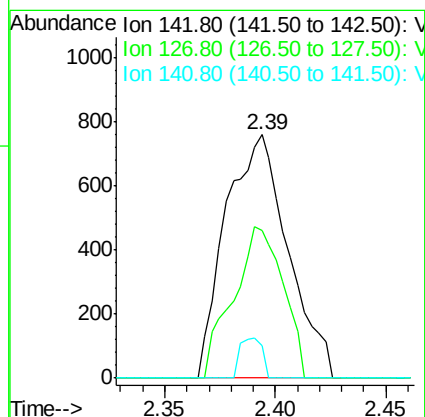
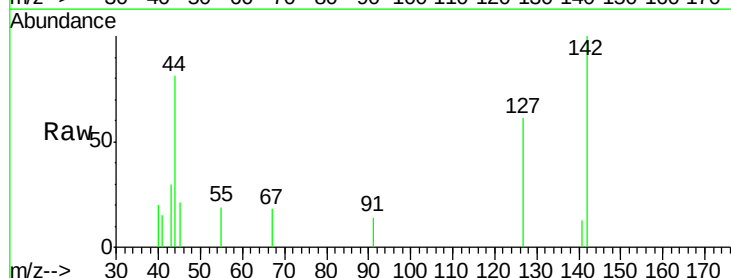
Tgt Ion: 142 Resp: 1480

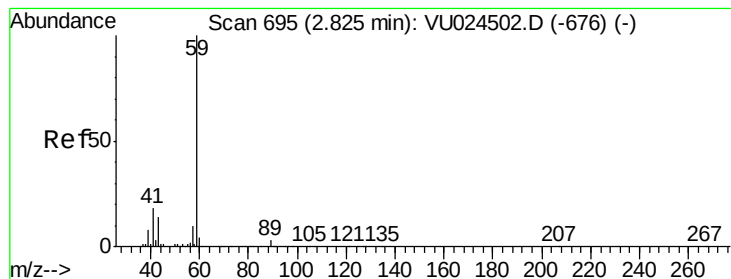
Ion Ratio Lower Upper

142 100

127 50.0 35.6 53.4

141 5.9 11.7 17.5#



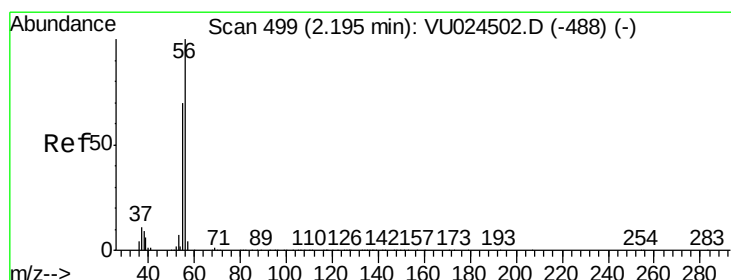
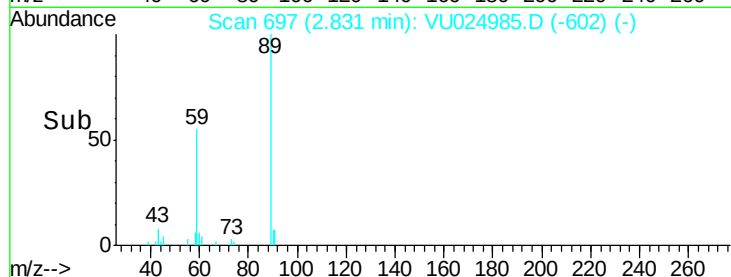
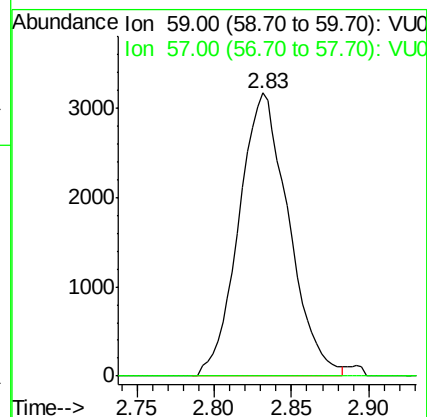
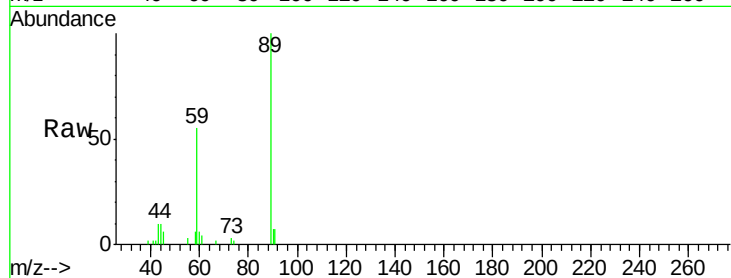


#11

Tert butyl alcohol
 Concen: 7.580 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-19-21-180621ME

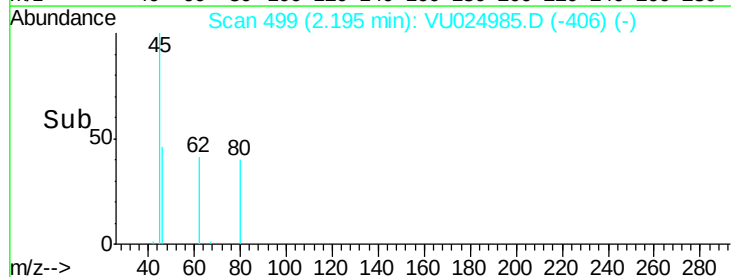
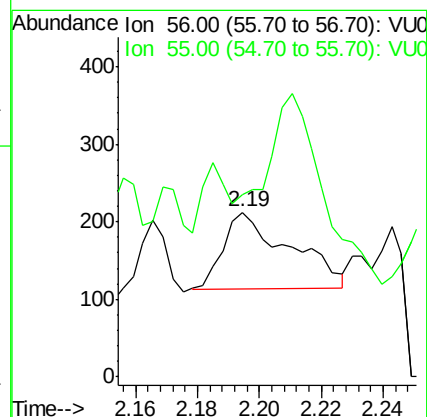
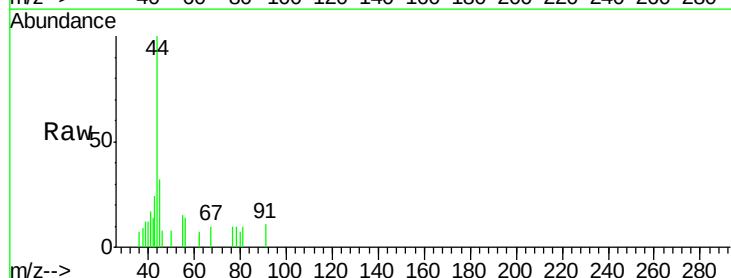
Tgt Ion: 59 Resp: 7097
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

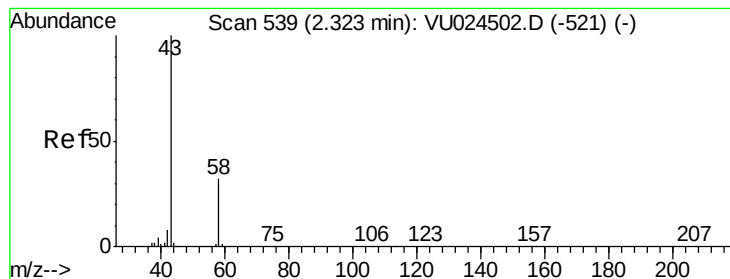


#13

Acrolein
 Concen: 0.301 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

Tgt Ion: 56 Resp: 148
 Ion Ratio Lower Upper
 56 100
 55 34.5 58.4 87.6#





#16

Acetone

Concen: 0.553 ug/l

RT: 2.35 min Scan# 546

Delta R.T. 0.02 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

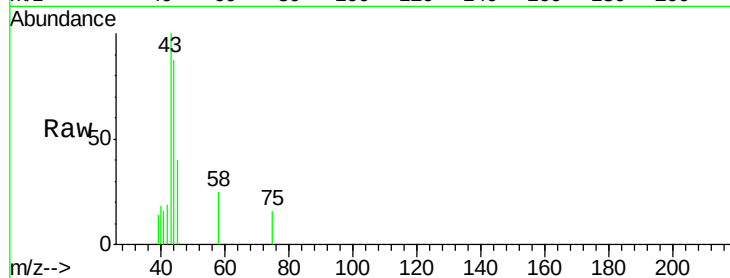
WP021SB487-19-21-180621ME

Tgt Ion: 43 Resp: 1143

Ion Ratio Lower Upper

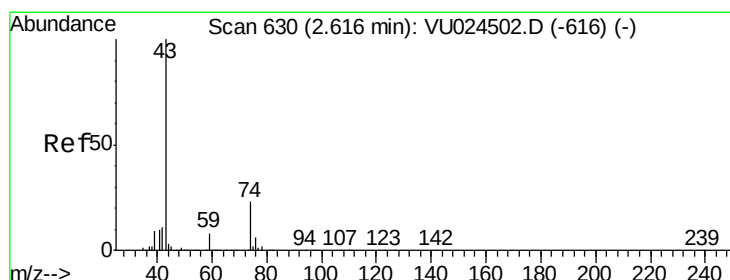
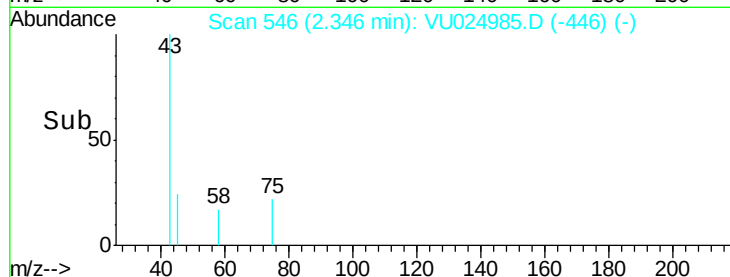
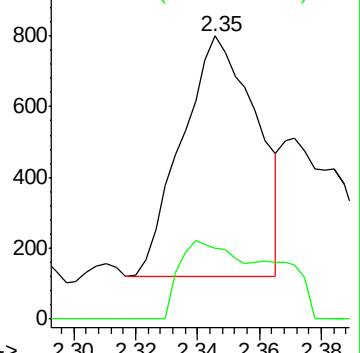
43 100

58 29.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.420 ug/l

RT: 2.63 min Scan# 634

Delta R.T. 0.01 min

Lab File: VU024985.D

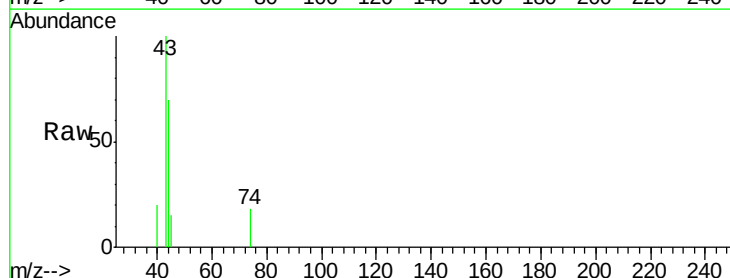
Acq: 27 Jun 2018 23:20

Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

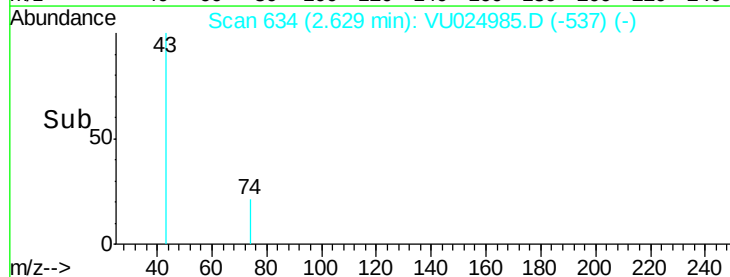
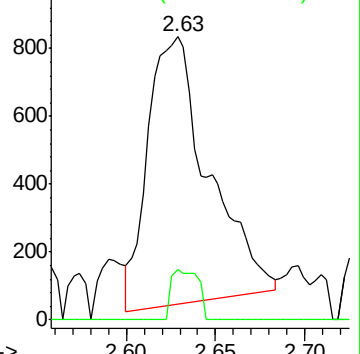
43 100

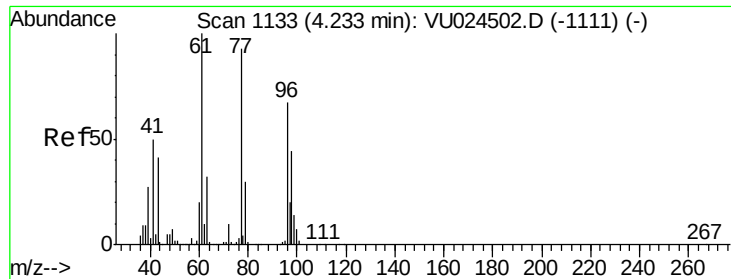
74 8.3 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

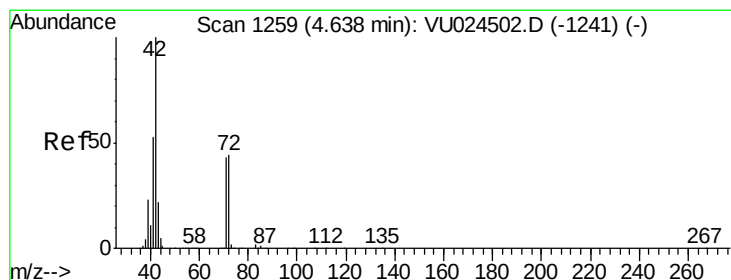
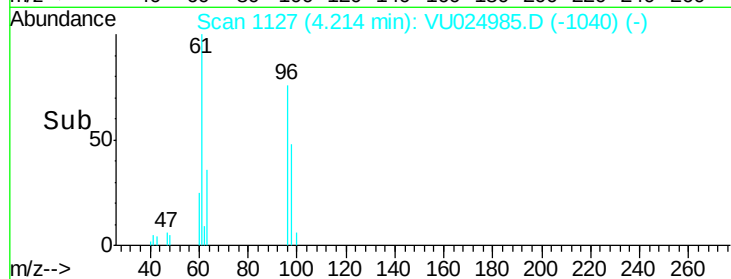
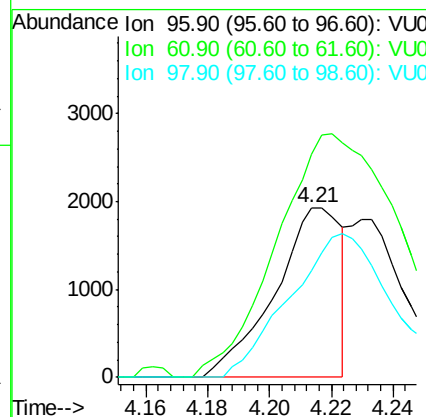
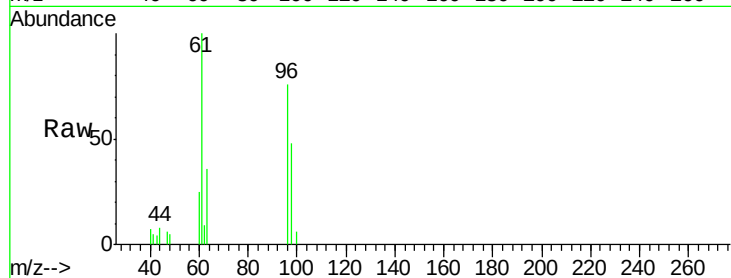




#27
 cis-1,2-Dichloroethene
 Concen: 0.846 ug/l
 RT: 4.21 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

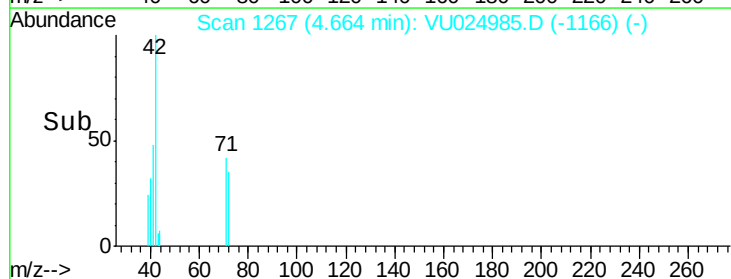
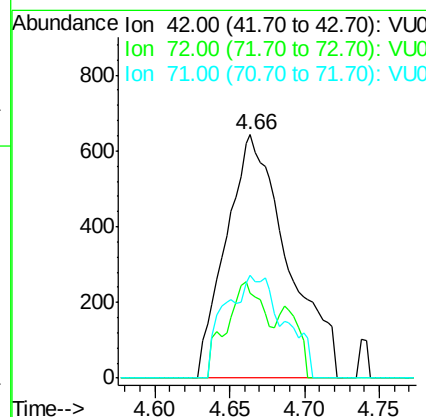
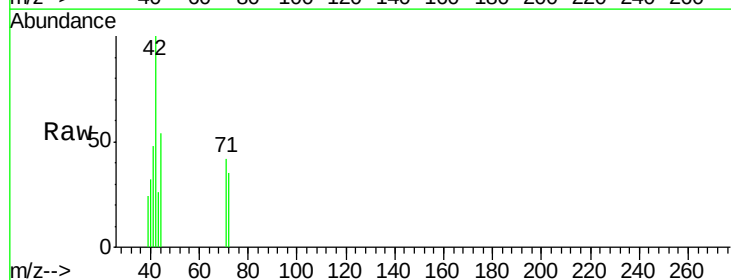
Instrument :
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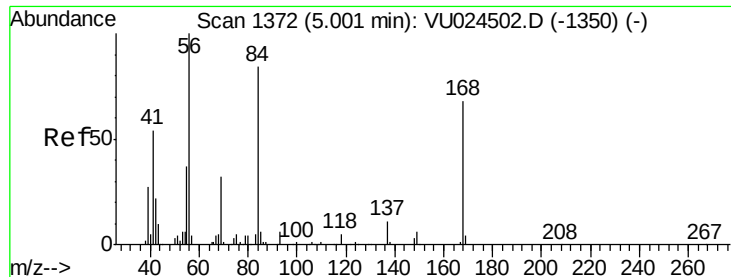
Tgt Ion: 96 Resp: 2877
 Ion Ratio Lower Upper
 96 100
 61 276.6 0.0 306.6
 98 131.0 0.0 128.8#



#29
 Tetrahydrofuran
 Concen: 1.070 ug/l
 RT: 4.66 min Scan# 1267
 Delta R.T. 0.03 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

Tgt Ion: 42 Resp: 1841
 Ion Ratio Lower Upper
 42 100
 72 25.2 34.5 51.7#
 71 40.6 32.2 48.4

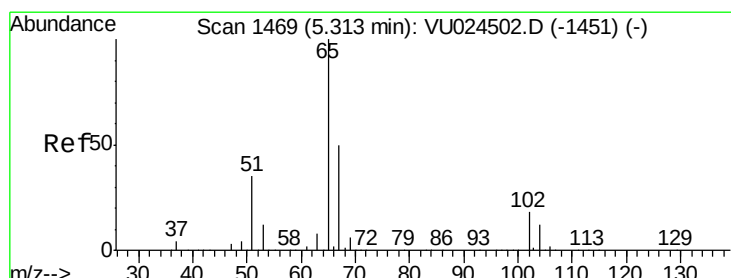
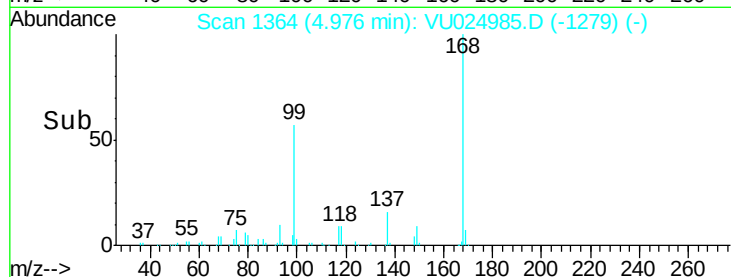
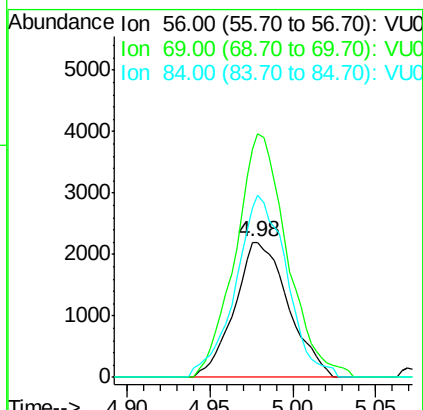
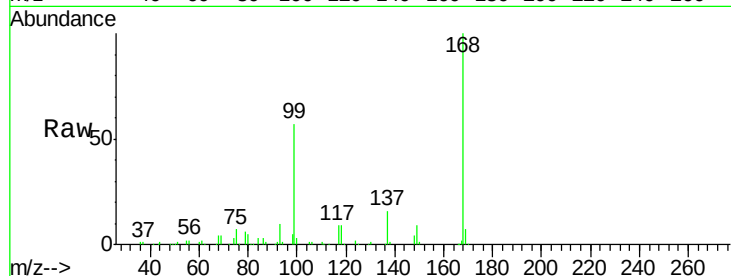




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1364
Delta R.T. -0.03 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

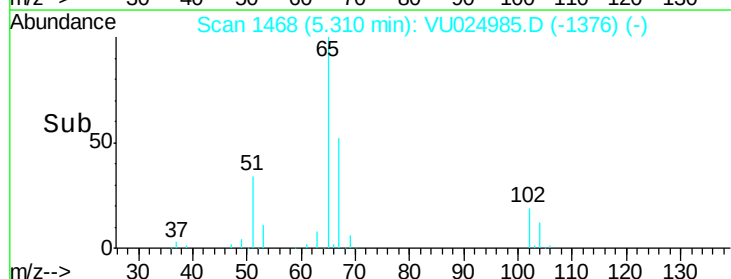
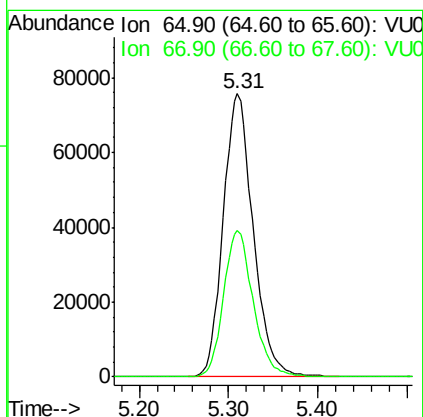
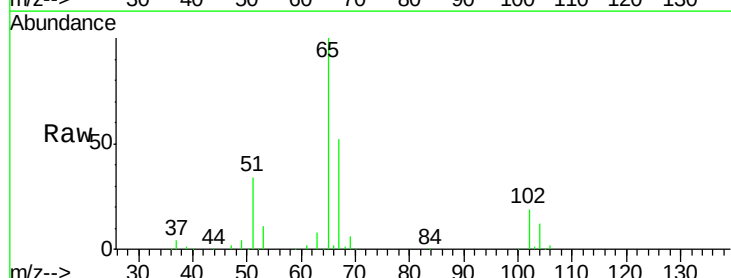
Instrument :
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WP021SB487-19-21-180621ME

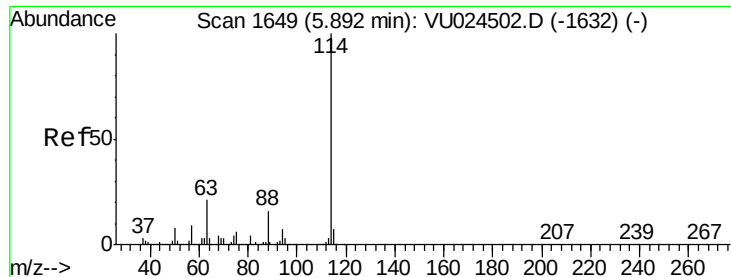
Tgt Ion: 56 Resp: 4952
Ion Ratio Lower Upper
56 100
69 169.6 24.8 37.2#
84 125.9 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.753 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

Tgt Ion: 65 Resp: 176145
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

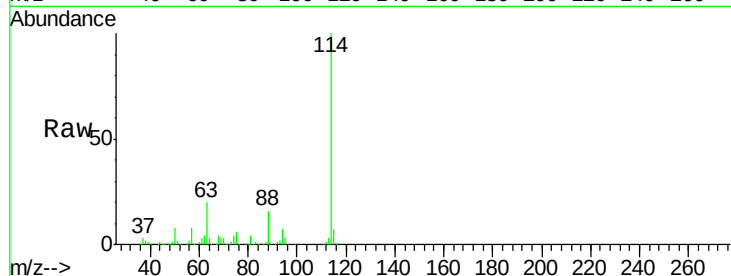
Instrument :

MSVOA_U

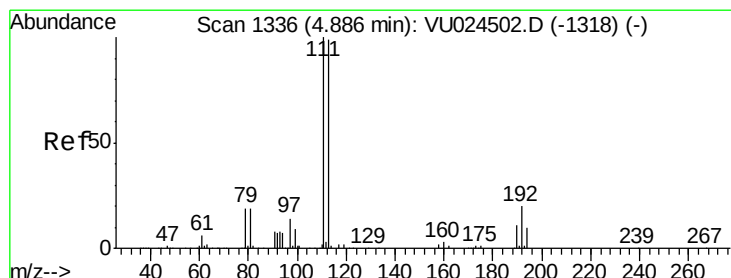
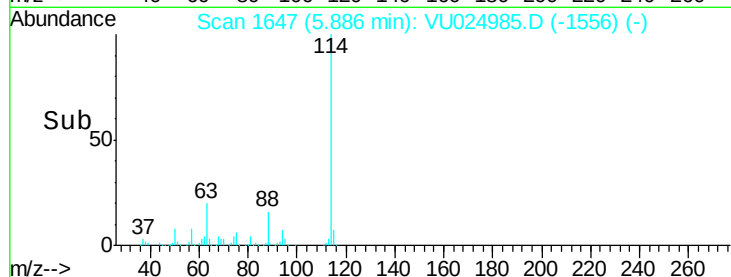
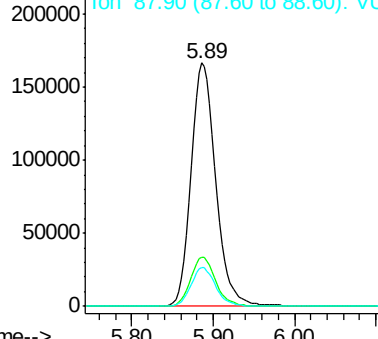
ClientSampleId :

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Tgt Ion:	114	Resp:	358139
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	45.4
88	16.1	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 46.081 ug/l

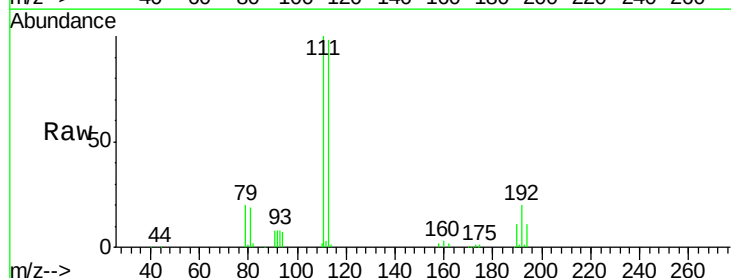
RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

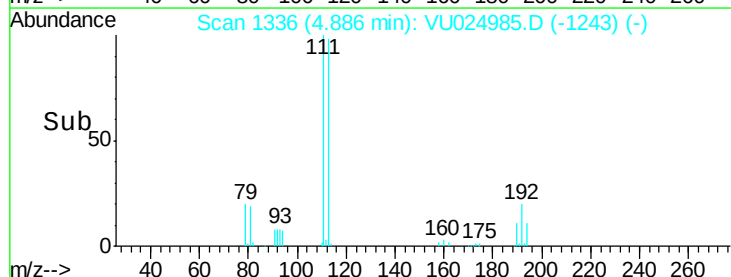
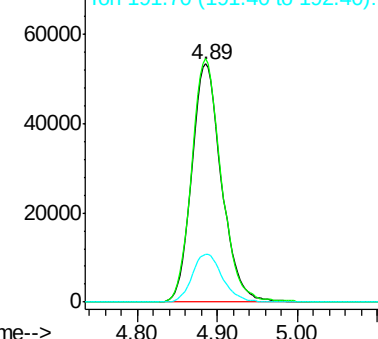
Lab File: VU024985.D

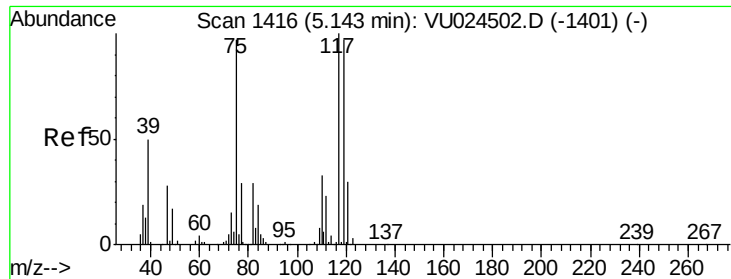
Acq: 27 Jun 2018 23:20

Tgt Ion:	113	Resp:	136966
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

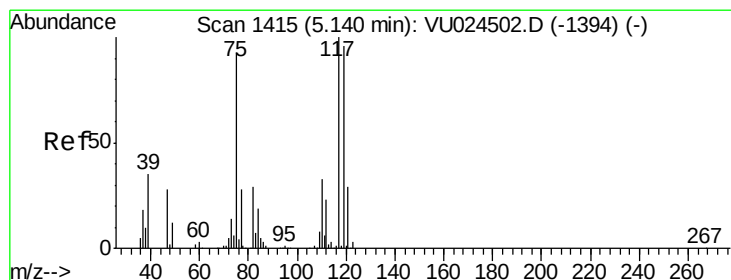
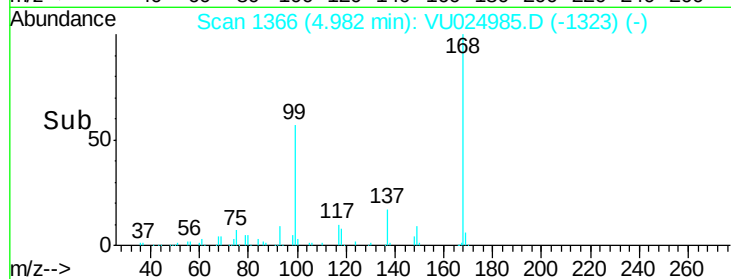
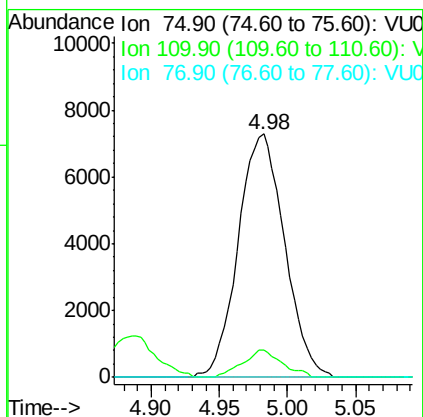
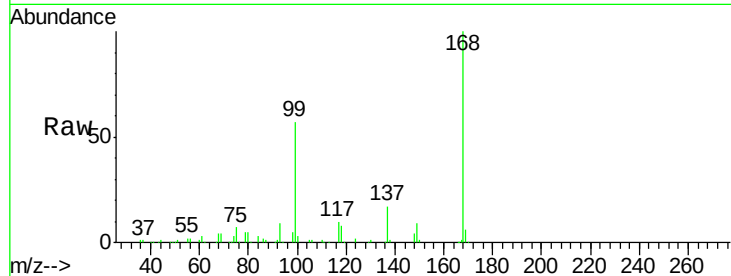




#36
 1,1-Dichloropropene
 Concen: 4.085 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

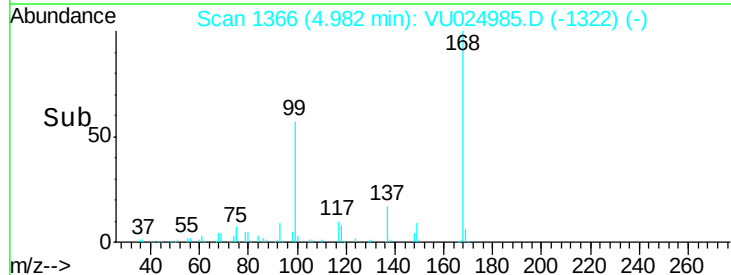
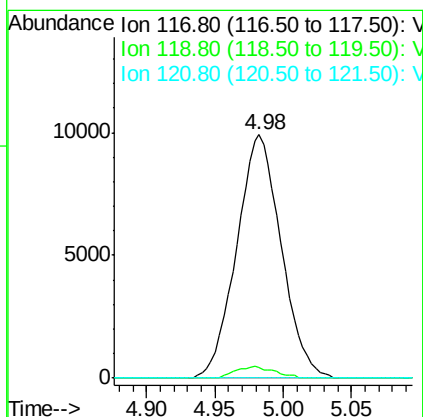
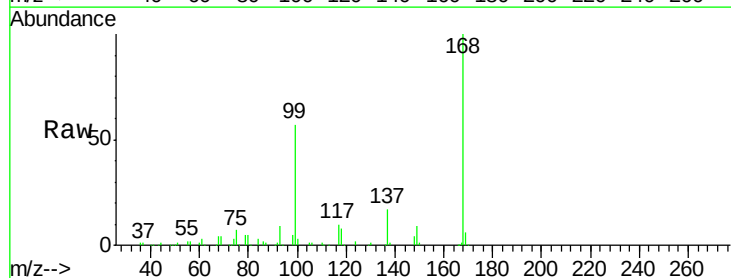
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-19-21-180621ME

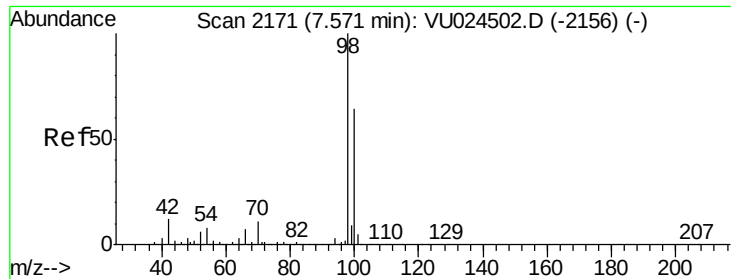
Tgt Ion: 75 Resp: 17192
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.849 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

Tgt Ion: 117 Resp: 22439
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.1 114.1#
 121 0.0 23.7 35.5#

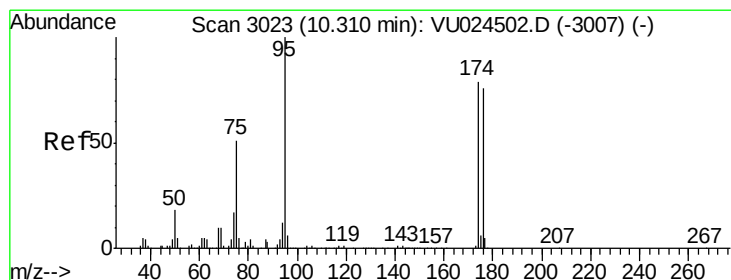
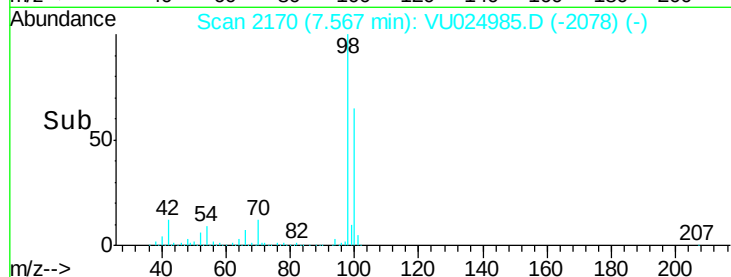
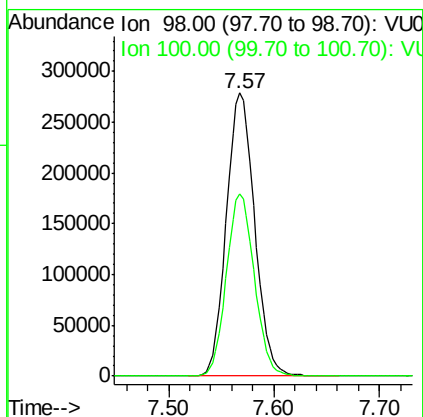
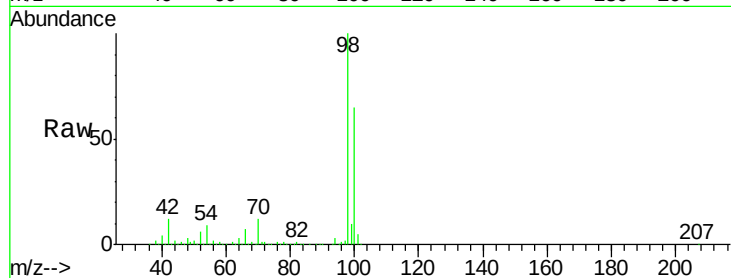




#50
Toluene-d8
Concen: 47.737 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

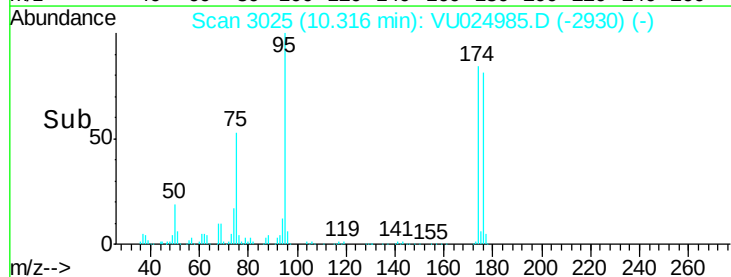
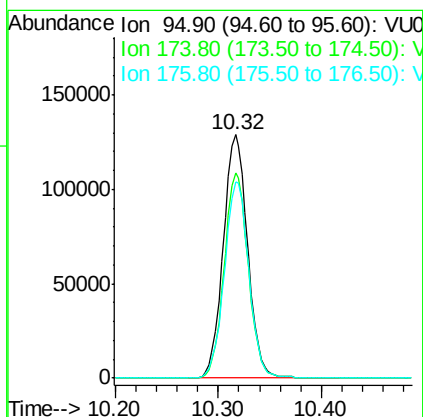
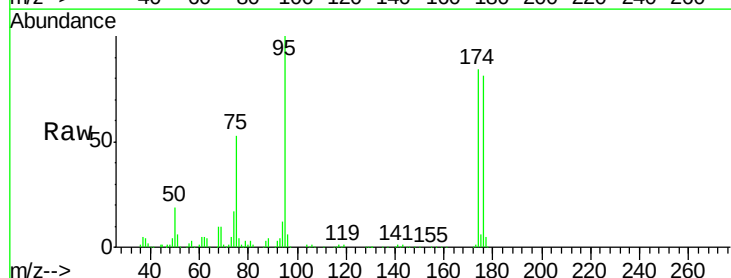
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-19-21-180621ME

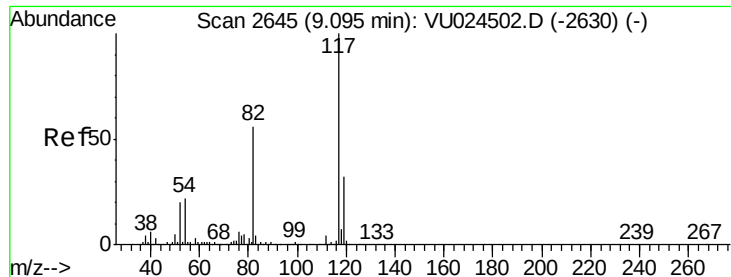
Tgt Ion: 98 Resp: 517552
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 49.206 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

Tgt Ion: 95 Resp: 211810
Ion Ratio Lower Upper
95 100
174 83.3 0.0 165.8
176 81.1 0.0 159.4

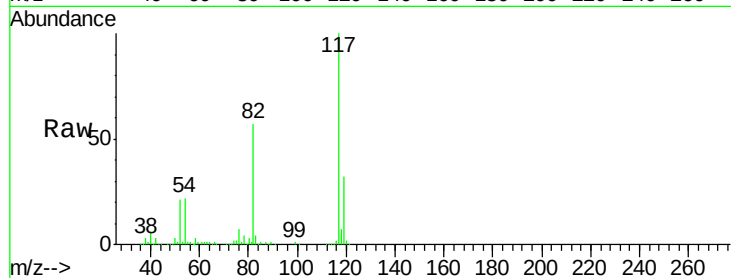




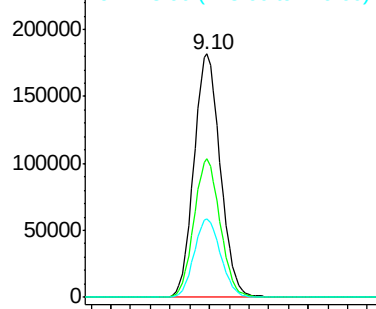
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-19-21-180621ME

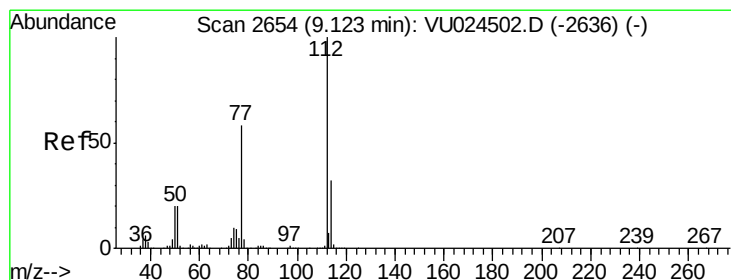
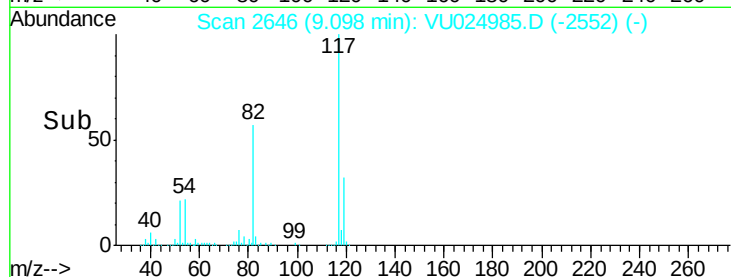
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.3	66.5
119	32.2	25.4	38.2



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

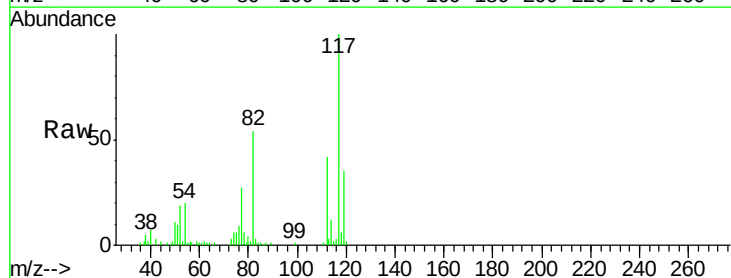


Time-->

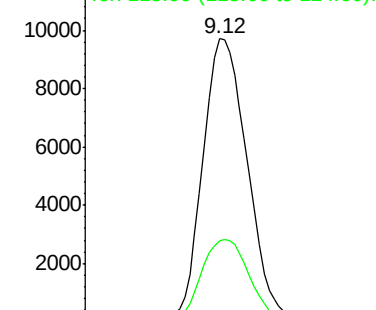


#65
Chlorobenzene
Concen: 2.235 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

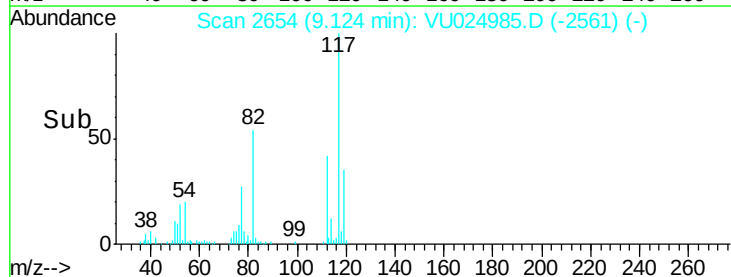
Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.6	25.6	38.4

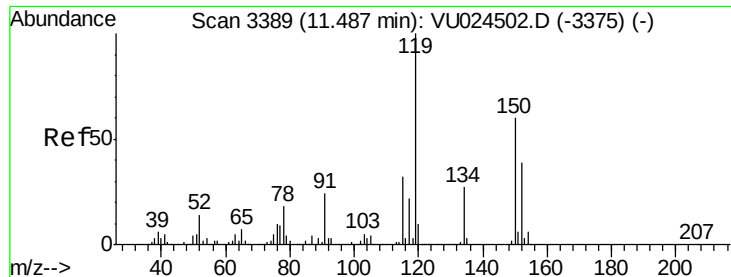


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024985.D

Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-19-21-180621ME

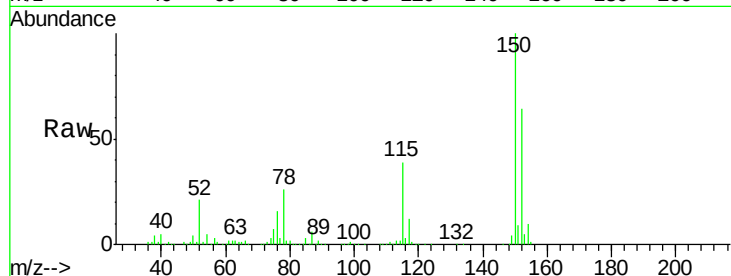
Tgt Ion:152 Resp: 191149

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

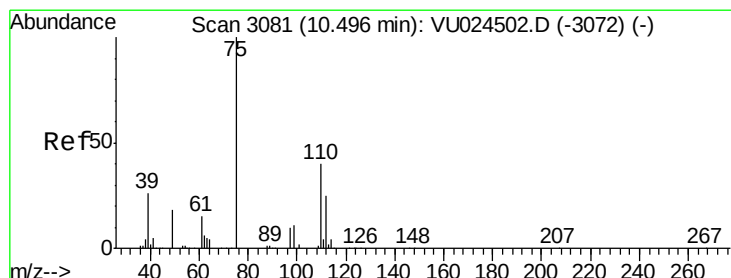
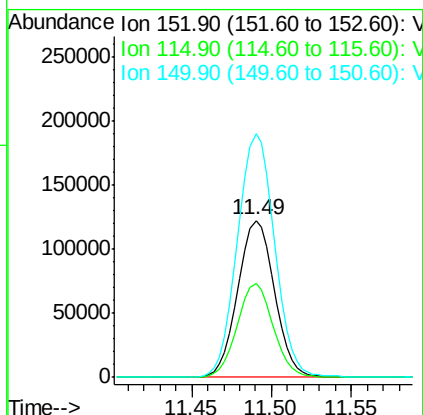
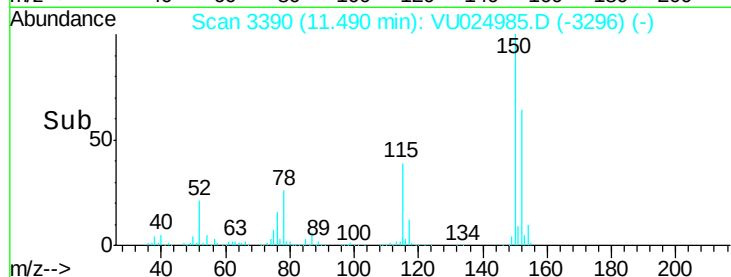
150 157.8 0.0 354.0



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: 26.274 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024985.D

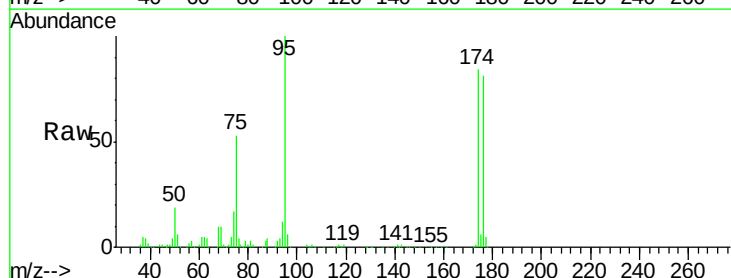
Acq: 27 Jun 2018 23:20

Tgt Ion: 75 Resp: 110573

Ion Ratio Lower Upper

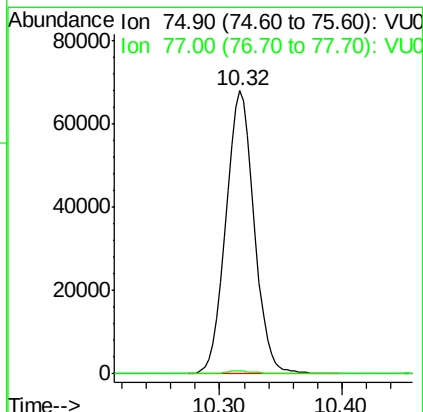
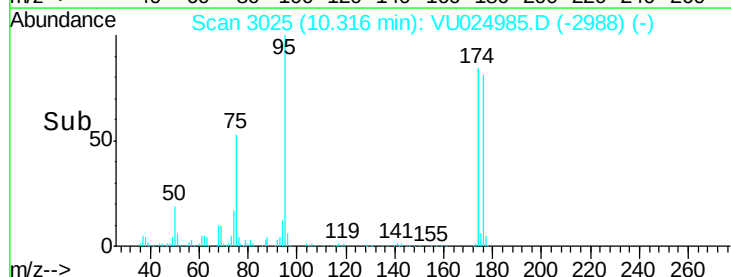
75 100

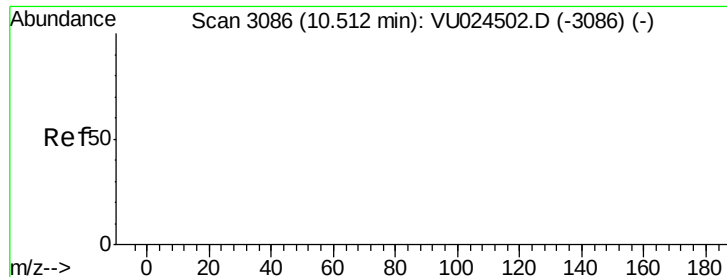
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

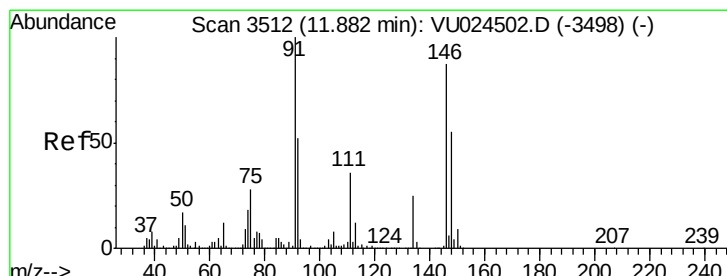
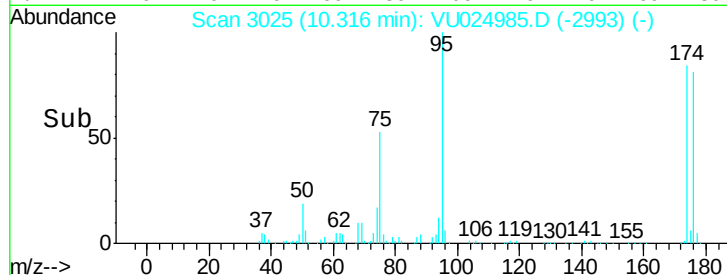
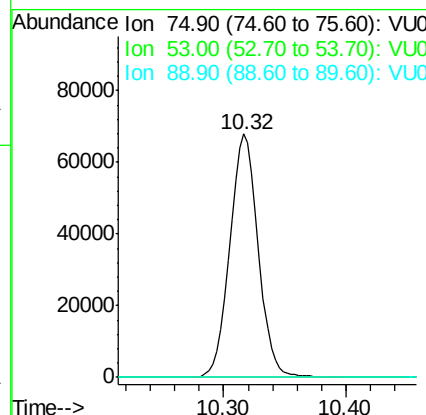
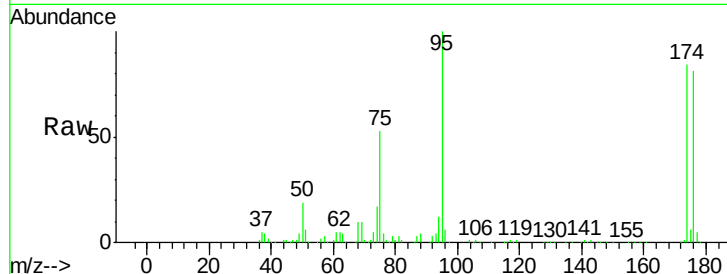




#81
trans-1,4-Dichloro-2-butene
Concen: 60.810 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. -0.20 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

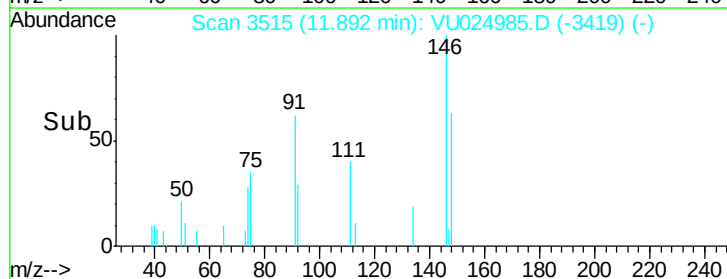
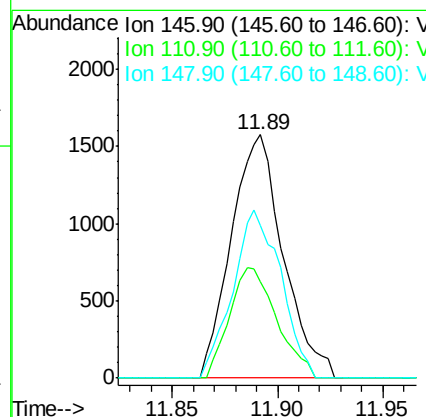
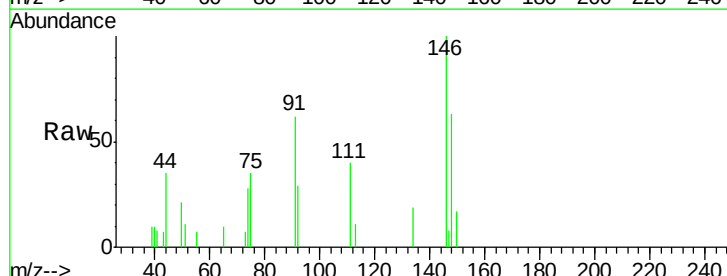
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-19-21-180621ME

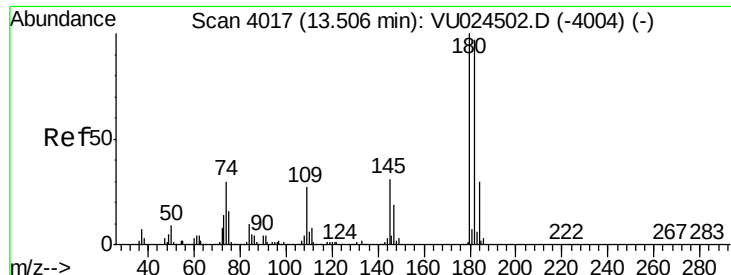
Tgt Ion: 75 Resp: 110573
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#91
1,2-Dichlorobenzene
Concen: 0.392 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.01 min
Lab File: VU024985.D
Acq: 27 Jun 2018 23:20

Tgt Ion: 146 Resp: 2695
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.6
148 64.0 31.9 95.7

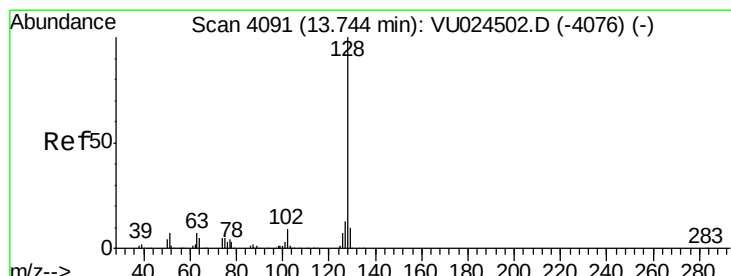
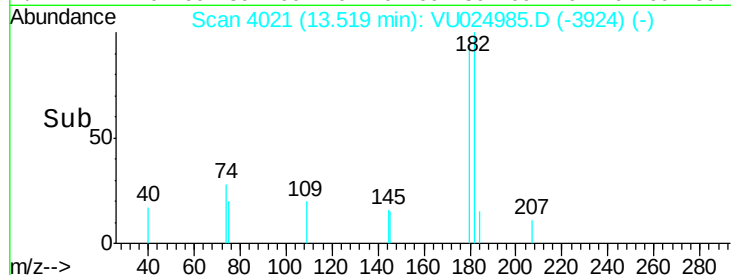
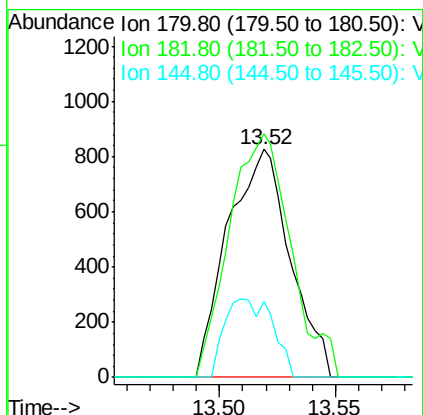
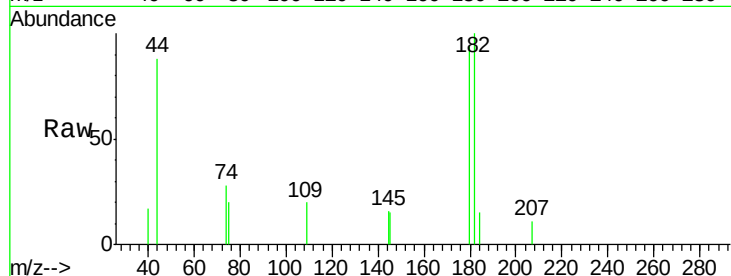




#93
 1,2,4-Trichlorobenzene
 Concen: 0.365 ug/l
 RT: 13.52 min Scan# 4021
 Delta R.T. 0.01 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

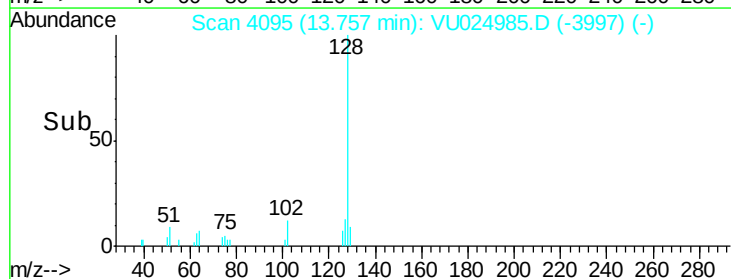
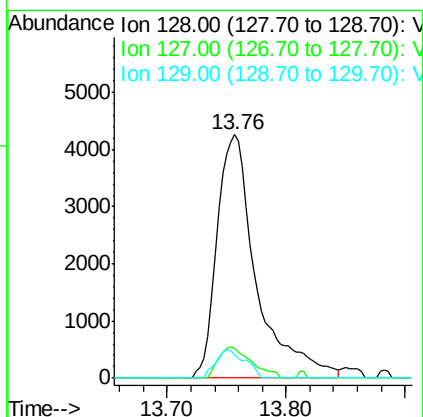
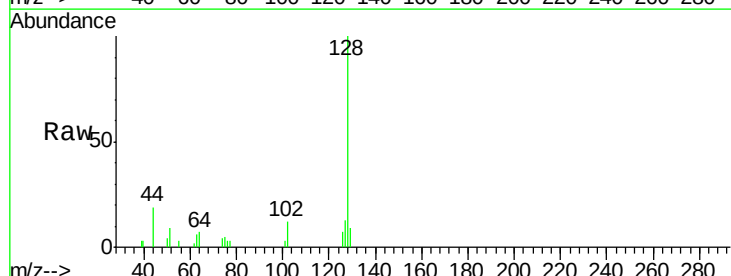
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-19-21-180621ME

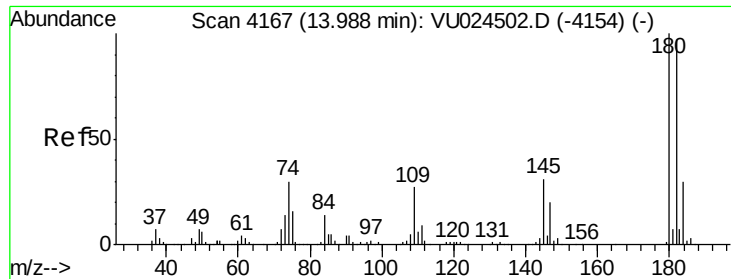
Tgt Ion:180 Resp: 1549
 Ion Ratio Lower Upper
 180 100
 182 105.3 48.0 144.2
 145 26.6 14.7 44.1



#95
 Naphthalene
 Concen: 1.366 ug/l
 RT: 13.76 min Scan# 4095
 Delta R.T. 0.01 min
 Lab File: VU024985.D
 Acq: 27 Jun 2018 23:20

Tgt Ion:128 Resp: 9785
 Ion Ratio Lower Upper
 128 100
 127 10.8 10.6 16.0
 129 8.5 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.429 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU024985.D

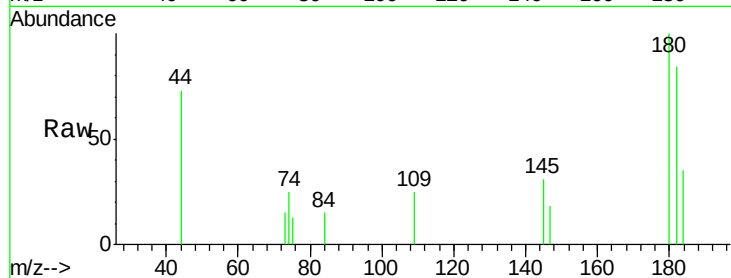
Acq: 27 Jun 2018 23:20

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-19-21-180621ME



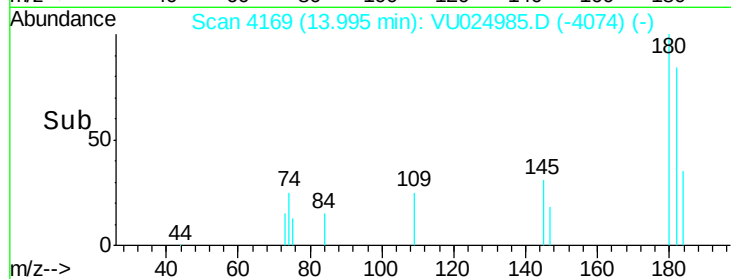
Tgt Ion:180 Resp: 1815

Ion Ratio Lower Upper

180 100

182 90.1 47.9 143.7

145 28.8 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

