

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024936.D
 Acq On : 26 Jun 2018 21:56
 Operator : MD/SY
 Sample : J3669-15ME 20X
 Misc : 6.01g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

Quant Time: Jun 27 04:16:19 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	214812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	320289	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	299621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158811	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	158699	45.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.50%		
35) Dibromofluoromethane	4.89	113	125790	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.64%		
50) Toluene-d8	7.57	98	468113	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.56%		
62) 4-Bromofluorobenzene	10.31	95	173731	45.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.26%		

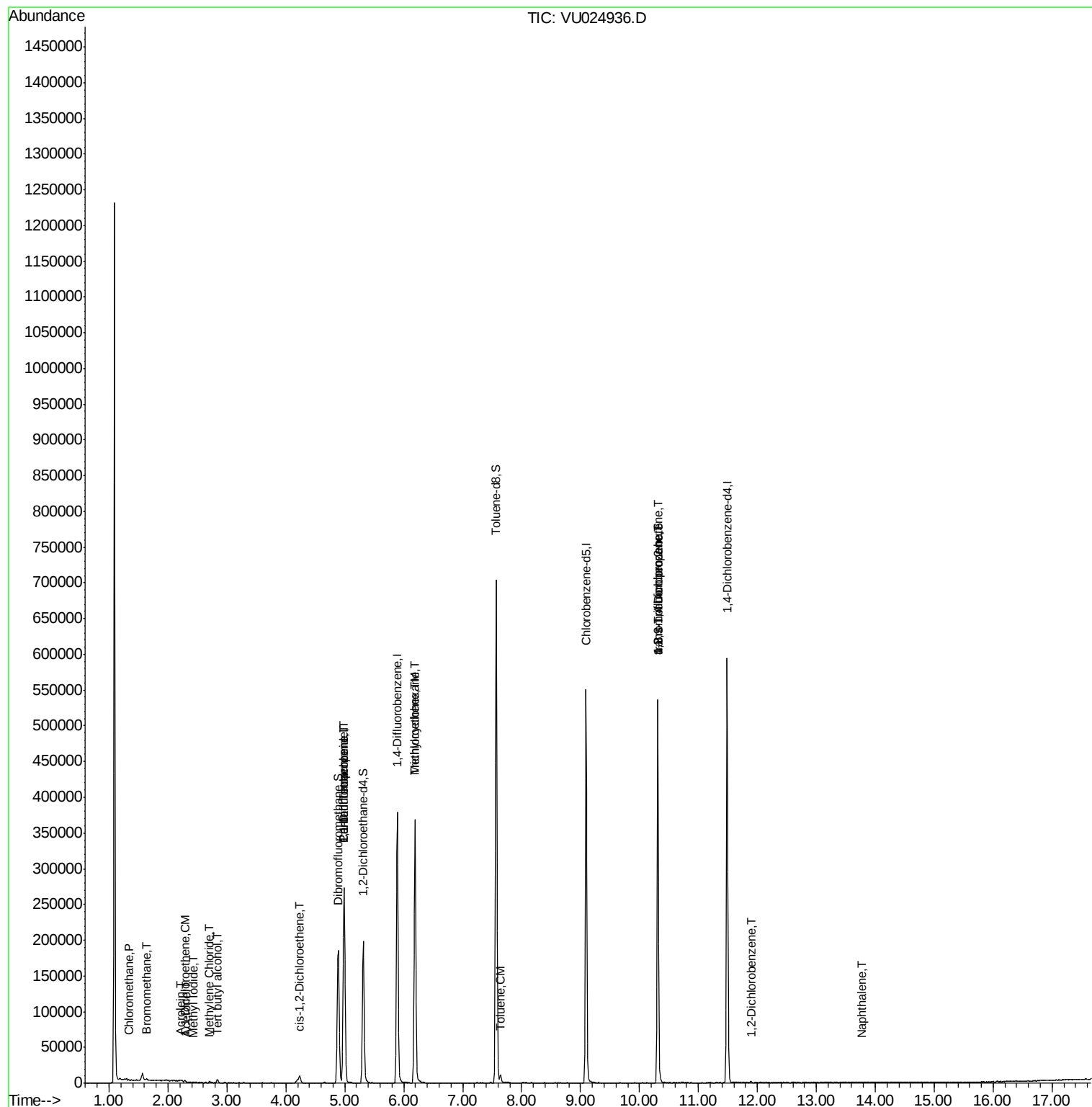
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	613	0.223	ug/l	89
5) Bromomethane	1.63	94	524	0.383	ug/l #	67
6) Chloroethane	1.59	64	44	Below Cal	#	43
10) Methyl Iodide	2.42	142	173	5.357	ug/l #	40
11) Tert butyl alcohol	2.84	59	2331	2.733	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	1010	0.413	ug/l #	70
13) Acrolein	2.20	56	112	0.250	ug/l #	1
16) Acetone	2.31	43	404	0.214	ug/l	94
20) Methylene Chloride	2.70	84	919	0.311	ug/l	90
27) cis-1,2-Dichloroethene	4.23	96	5698	1.840	ug/l	84
31) Cyclohexane	4.98	56	4573	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16439	4.368	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20474	4.947	ug/l #	16
39) Methylcyclohexane	6.19	83	1561	0.332	ug/l #	1
44) Trichloroethene	6.19	130	132756	43.496	ug/l	94
52) Toluene	7.64	92	4320	0.626	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	90391	25.852	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	90391	59.833	ug/l #	100
91) 1,2-Dichlorobenzene	11.88	146	1167	0.204	ug/l	86
95) Naphthalene	13.77	128	113	0.689	ug/l #	69

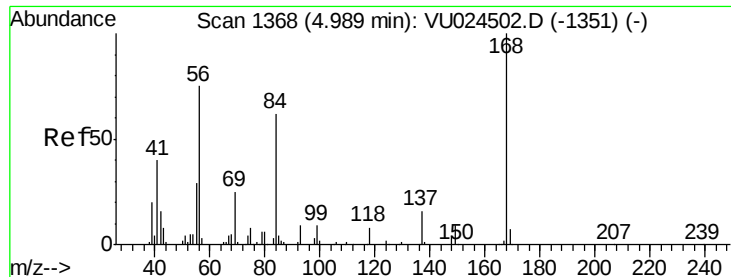
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
Data File : VU024936.D
Acq On : 26 Jun 2018 21:56
Operator : MD/SY
Sample : J3669-15ME 20X
Misc : 6.01g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021SB483-33-35-180620ME

Quant Time: Jun 27 04:16:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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# 1368

Delta R.T. 0.00 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

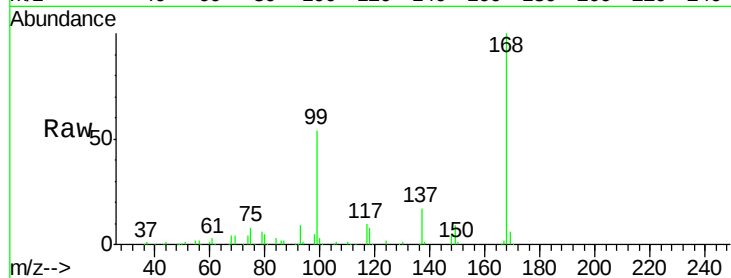
WP021SB483-33-35-180620ME

Tgt Ion:168 Resp: 214812

Ion Ratio Lower Upper

168 100

99 54.1 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

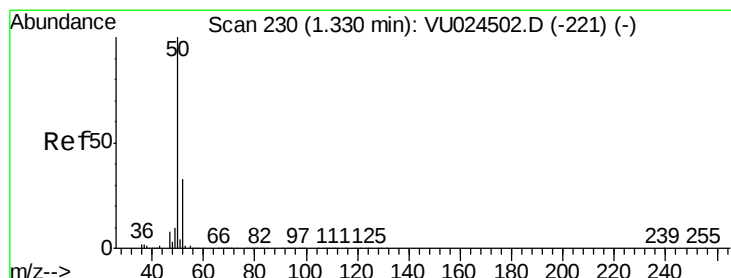
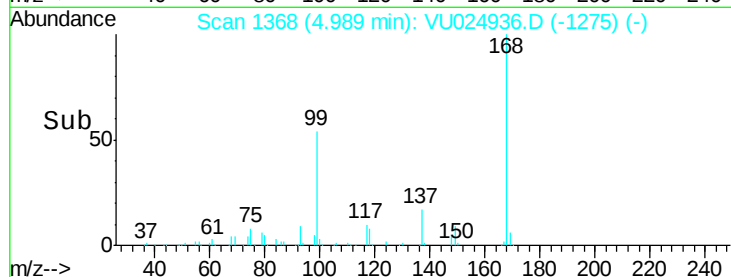
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.223 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024936.D

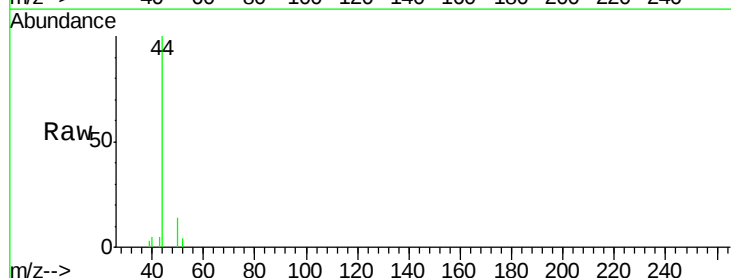
Acq: 26 Jun 2018 21:56

Tgt Ion: 50 Resp: 613

Ion Ratio Lower Upper

50 100

52 26.9 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

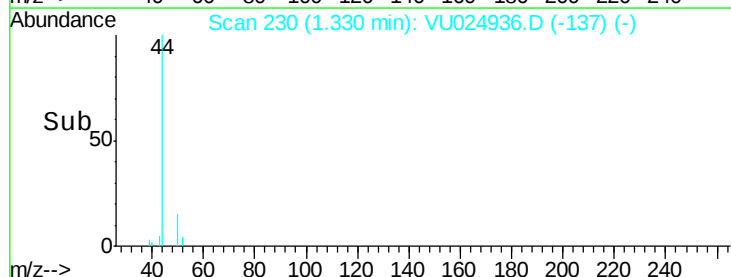
300

200

100

0

Time-->





#5

Bromomethane

Concen: 0.383 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

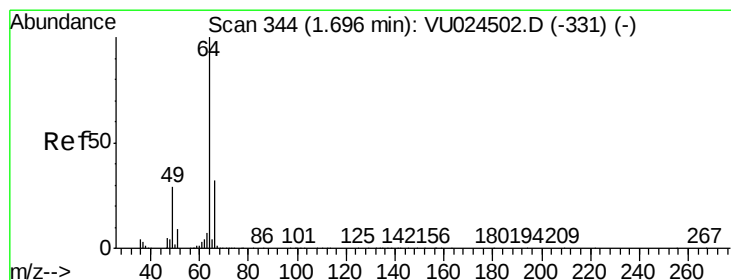
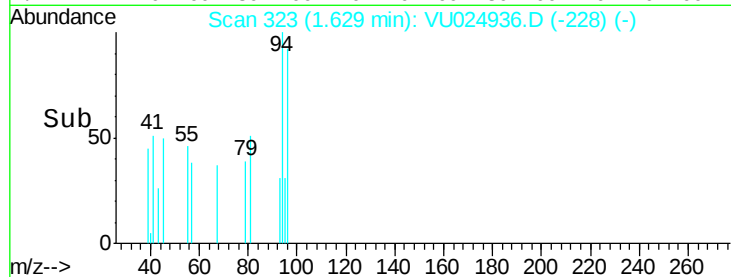
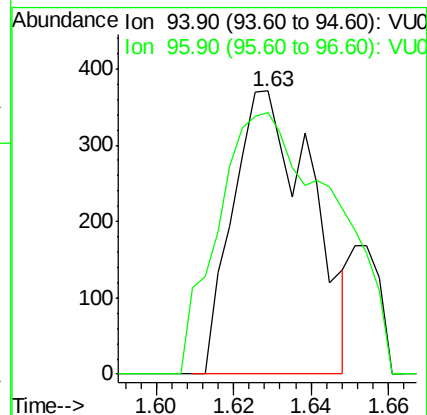
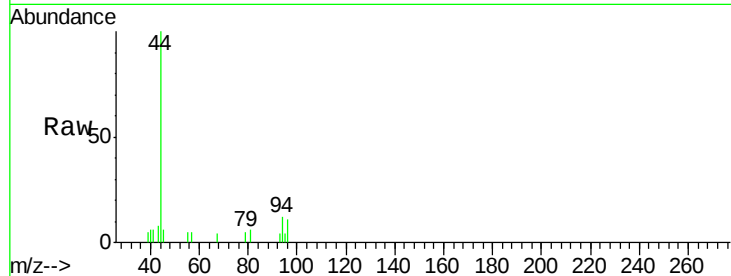
WP021SB483-33-35-180620ME

Tgt Ion: 94 Resp: 524

Ion Ratio Lower Upper

94 100

96 61.7 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.59 min Scan# 311

Delta R.T. -0.11 min

Lab File: VU024936.D

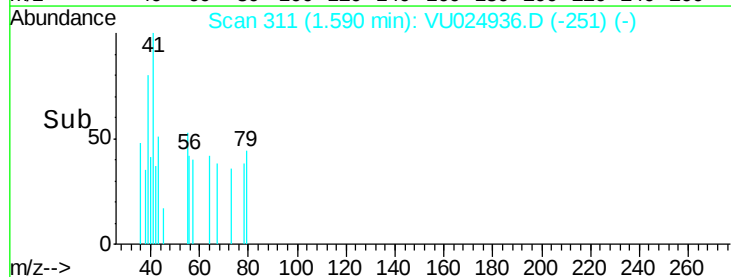
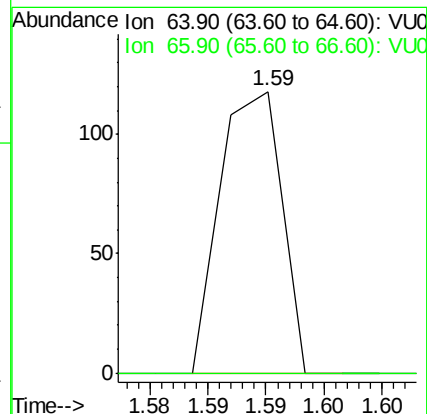
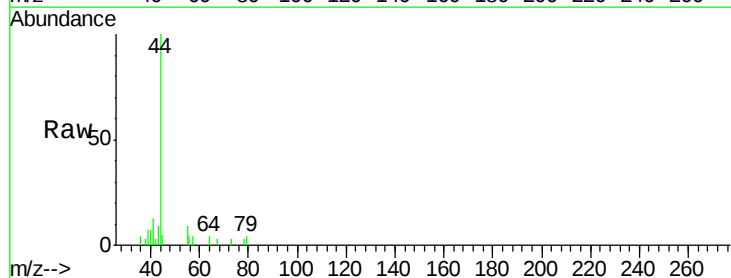
Acq: 26 Jun 2018 21:56

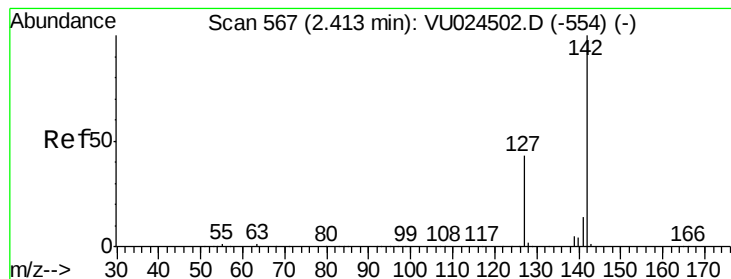
Tgt Ion: 64 Resp: 44

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methyl Iodide

Concen: 5.357 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-33-35-180620ME

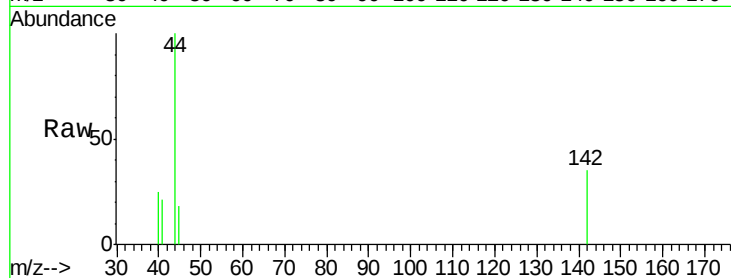
Tgt Ion:142 Resp: 173

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

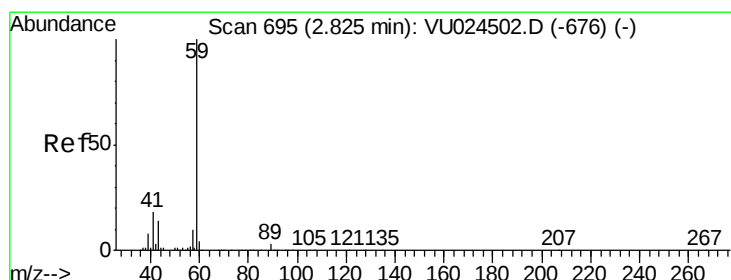
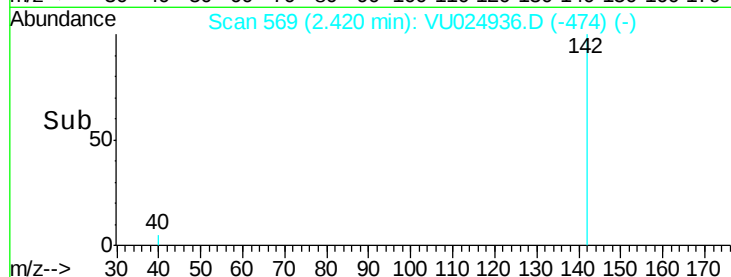
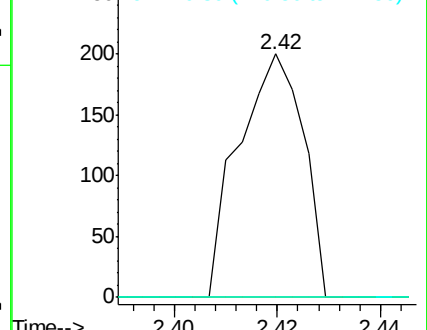
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 2.733 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU024936.D

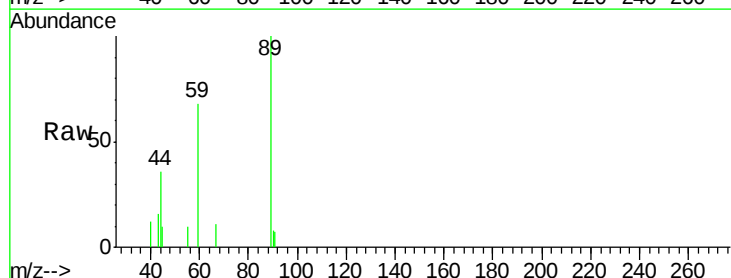
Acq: 26 Jun 2018 21:56

Tgt Ion: 59 Resp: 2331

Ion Ratio Lower Upper

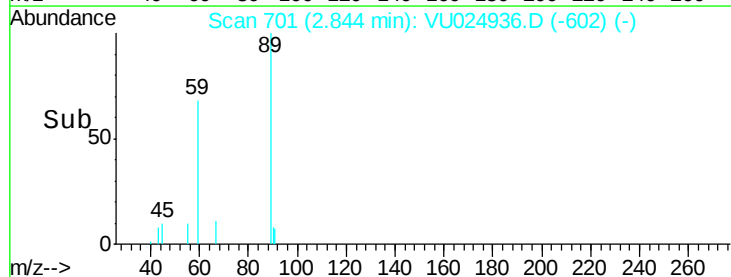
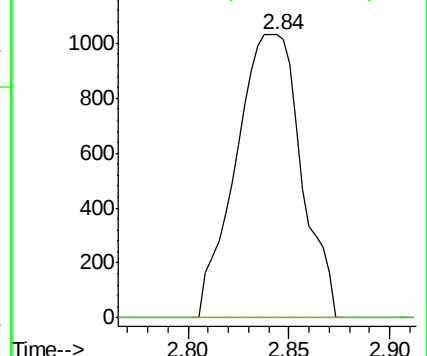
59 100

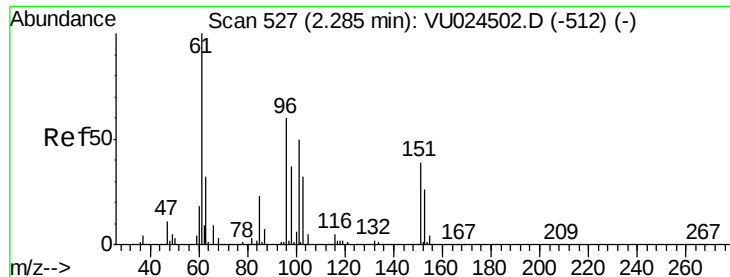
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

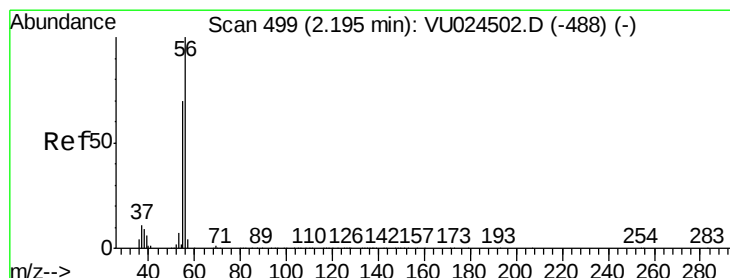
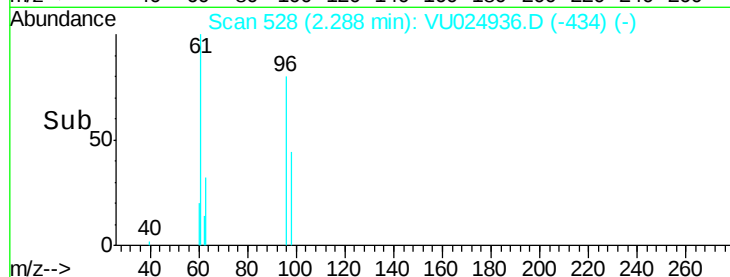
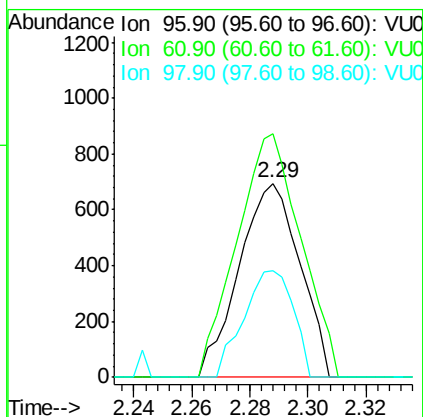
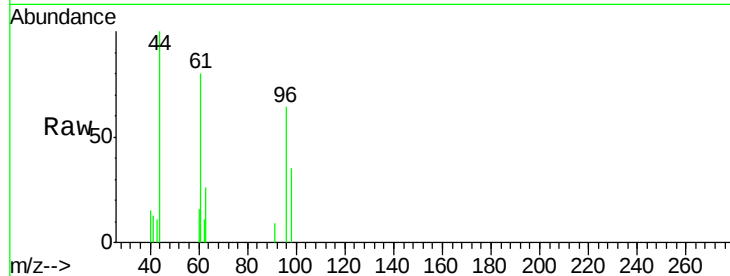




#12
 1,1-Dichloroethene
 Concen: 0.413 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

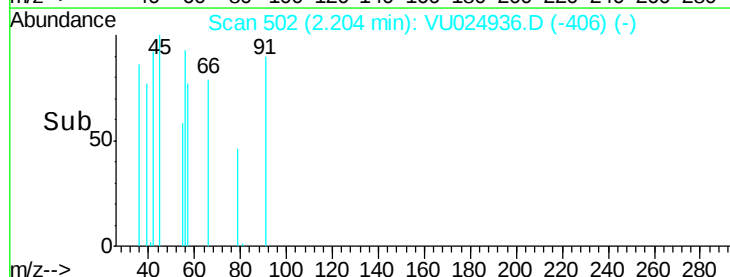
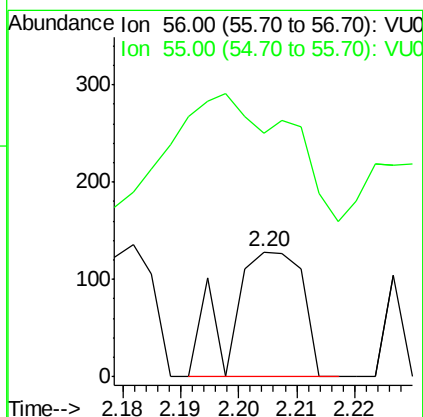
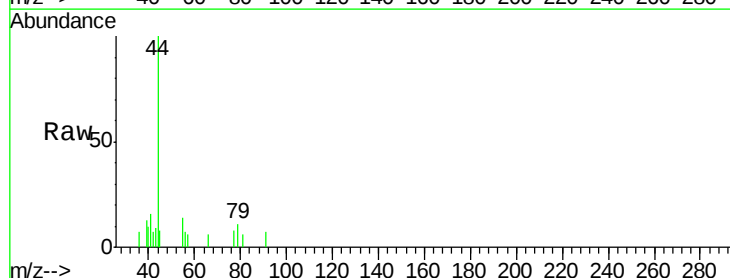
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

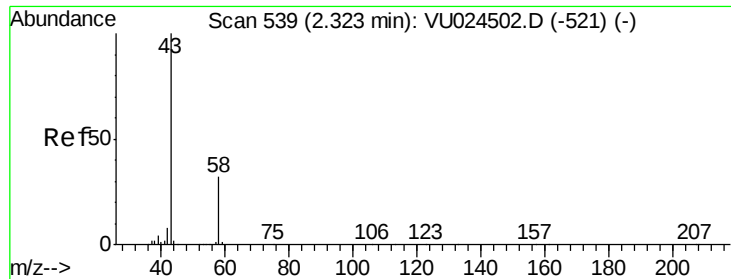
Tgt Ion: 96 Resp: 1010
 Ion Ratio Lower Upper
 96 100
 61 125.5 141.7 212.5#
 98 55.1 51.6 77.4



#13
 Acrolein
 Concen: 0.250 ug/l
 RT: 2.20 min Scan# 502
 Delta R.T. 0.01 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

Tgt Ion: 56 Resp: 112
 Ion Ratio Lower Upper
 56 100
 55 257.1 58.4 87.6#





#16

Acetone

Concen: 0.214 ug/l

RT: 2.31 min Scan# 536

Delta R.T. -0.01 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

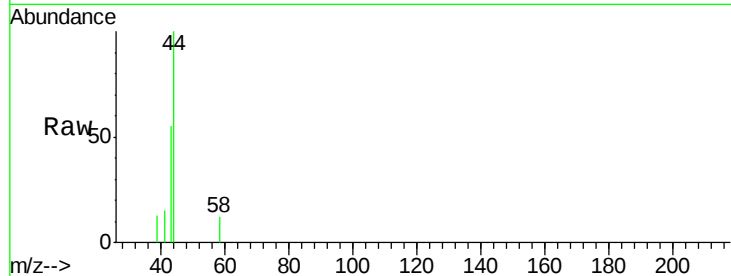
WP021SB483-33-35-180620ME

Tgt Ion: 43 Resp: 404

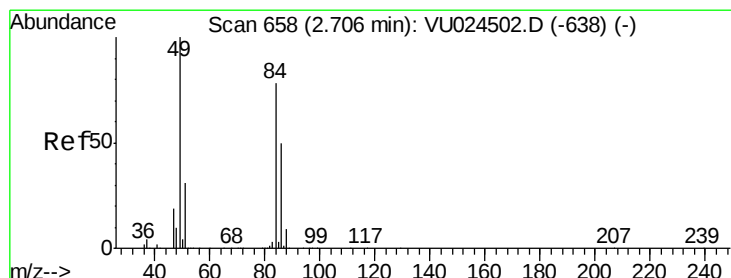
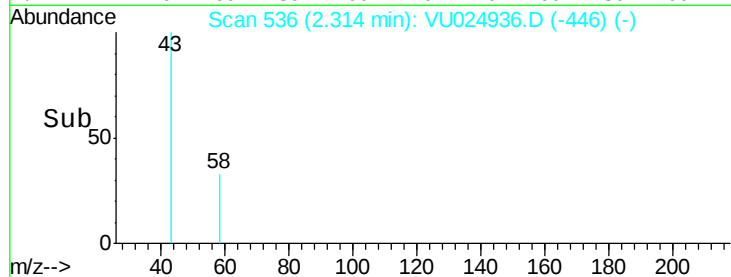
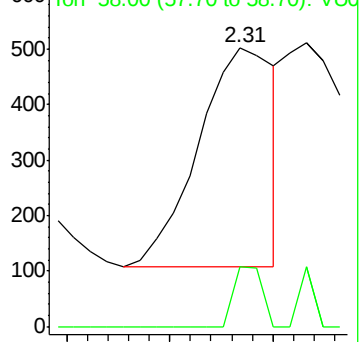
Ion Ratio Lower Upper

43 100

58 27.3 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)



#20

Methylene Chloride

Concen: 0.311 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Tgt Ion: 84 Resp: 919

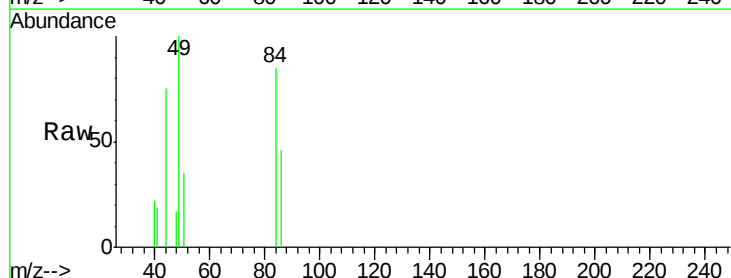
Ion Ratio Lower Upper

84 100

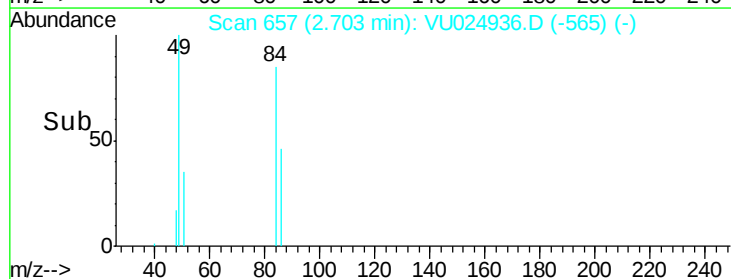
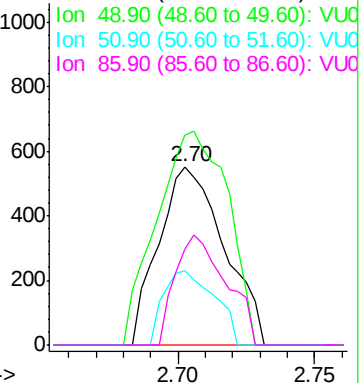
49 117.8 103.8 155.8

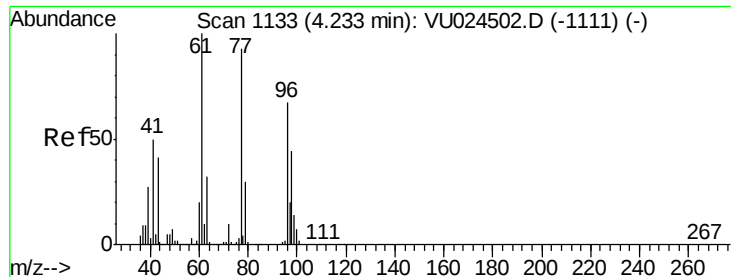
51 41.5 32.0 48.0

86 54.0 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)





#27

cis-1,2-Dichloroethene

Concen: 1.840 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-33-35-180620ME

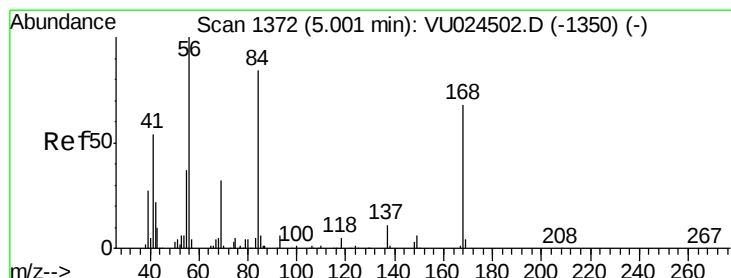
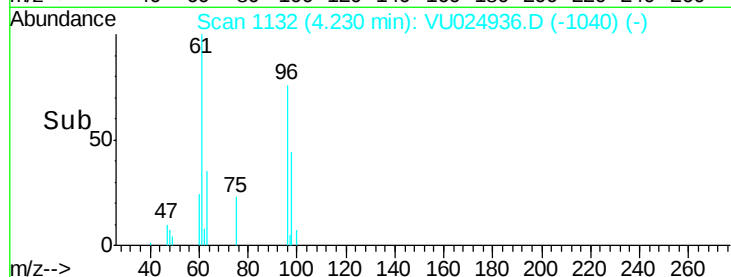
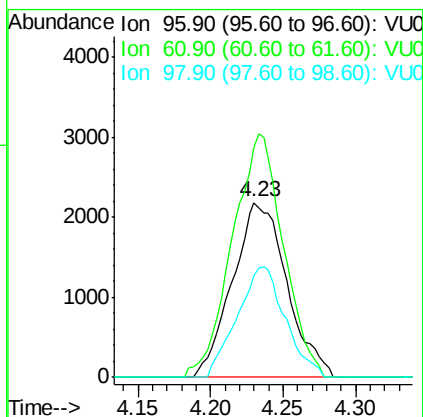
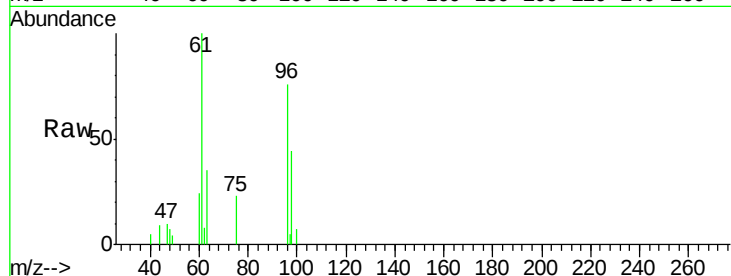
Tgt Ion: 96 Resp: 5698

Ion Ratio Lower Upper

96 100

61 130.2 0.0 306.6

98 55.8 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

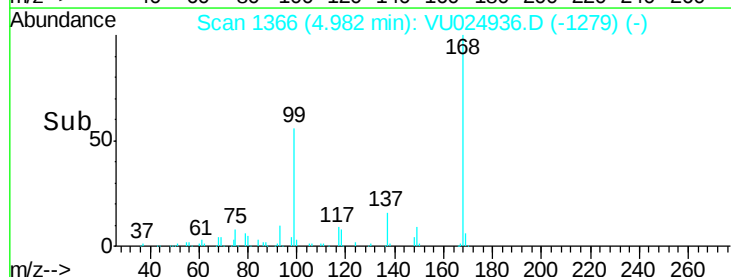
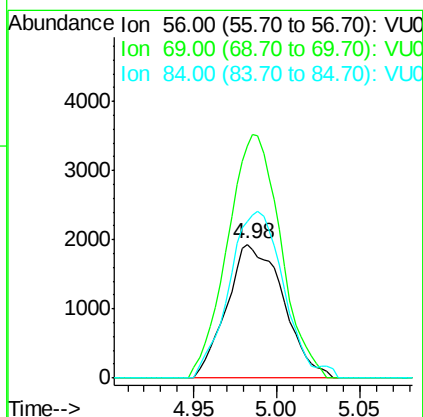
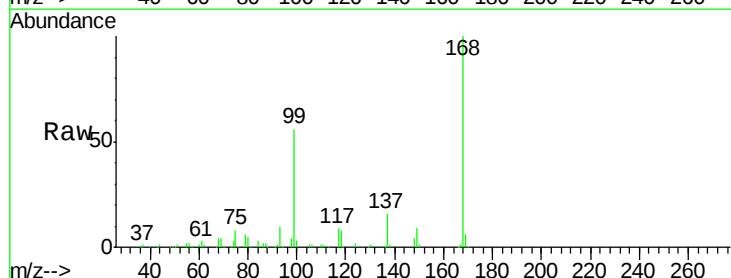
Tgt Ion: 56 Resp: 4573

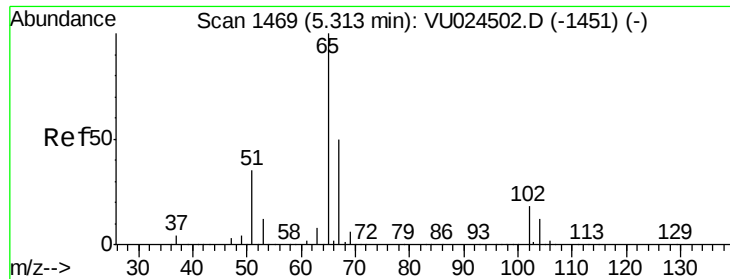
Ion Ratio Lower Upper

56 100

69 173.0 24.8 37.2#

84 116.3 65.2 97.8#

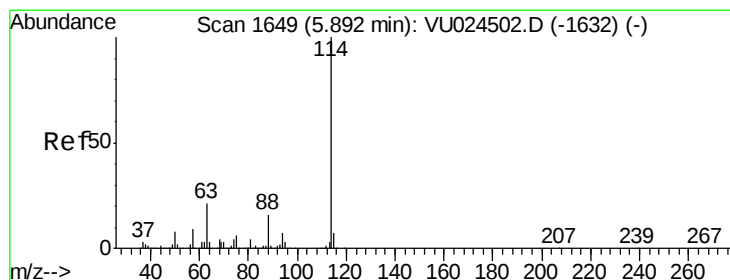
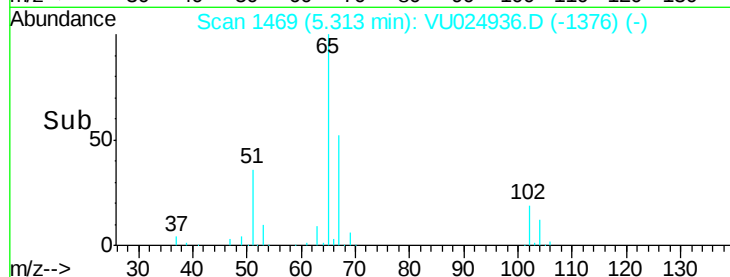
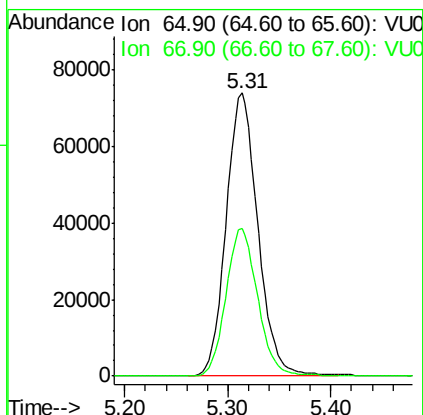
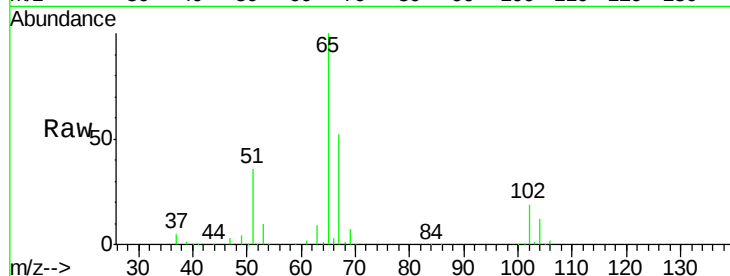




#33
 1,2-Dichloroethane-d4
 Concen: 45.254 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

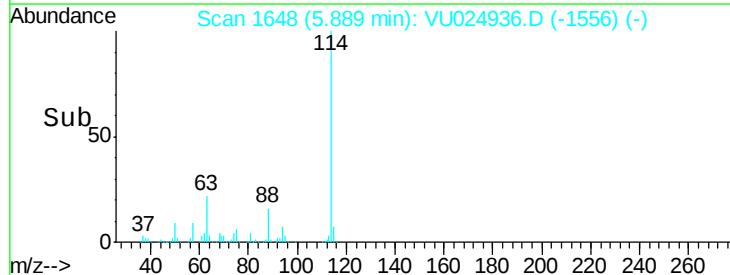
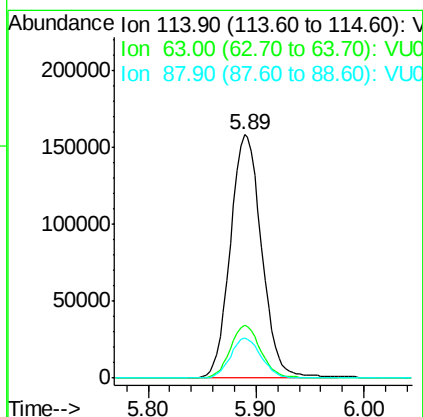
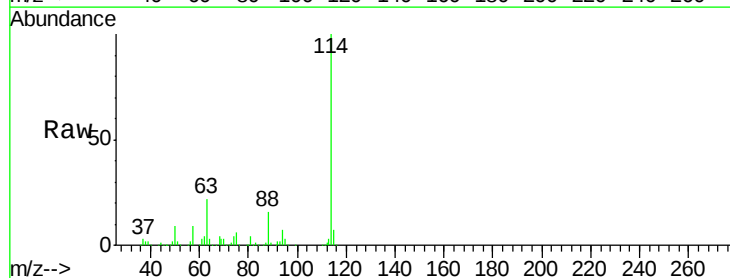
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

Tgt Ion: 65 Resp: 158699
 Ion Ratio Lower Upper
 65 100
 67 51.9 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: VU024936.D
 Acq: 26 Jun 2018 21:56

Tgt Ion: 114 Resp: 320289
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.4
 88 16.5 0.0 31.0

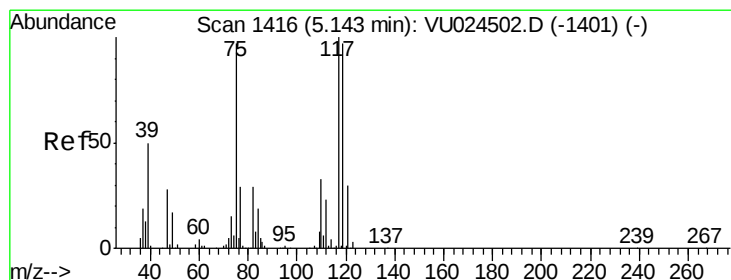
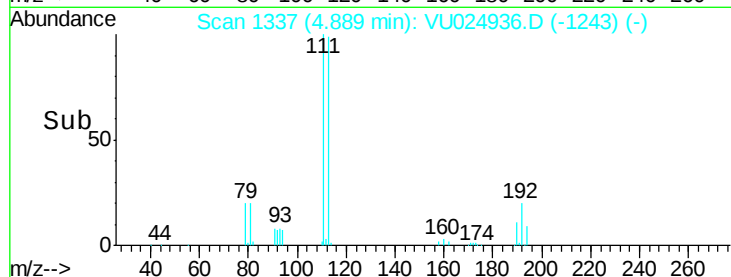
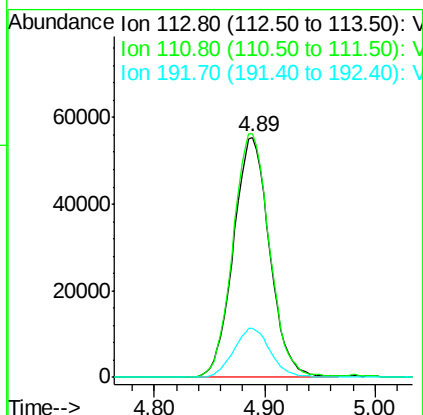
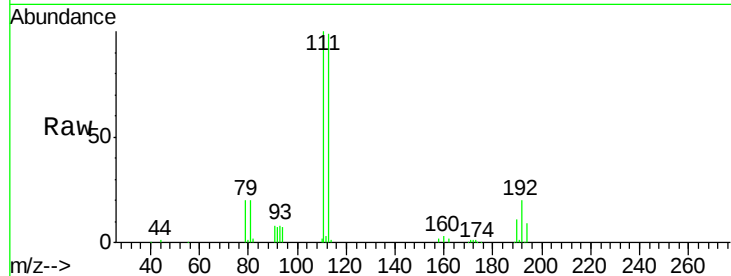




#35
 Dibromofluoromethane
 Concen: 47.322 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

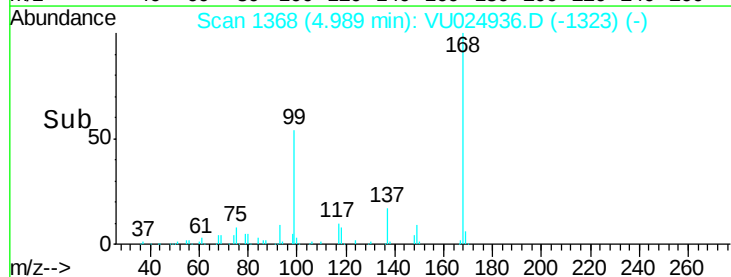
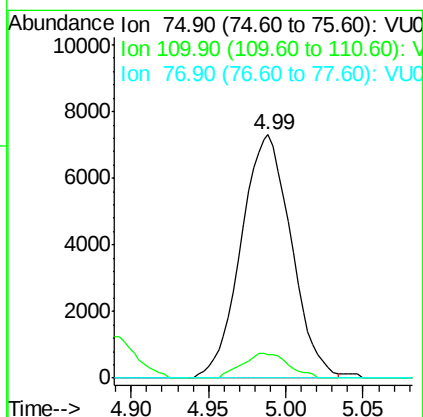
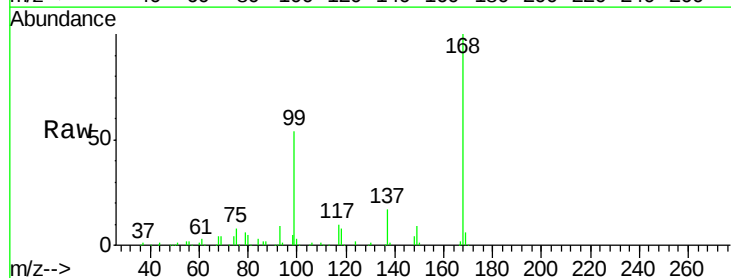
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

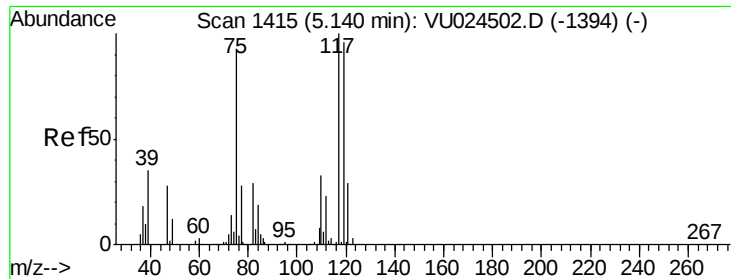
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	20.7	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.368 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

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





#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

WP021SB483-33-35-180620ME

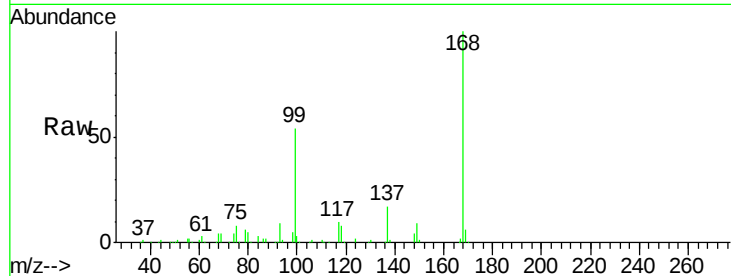
Tgt Ion:117 Resp: 20474

Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

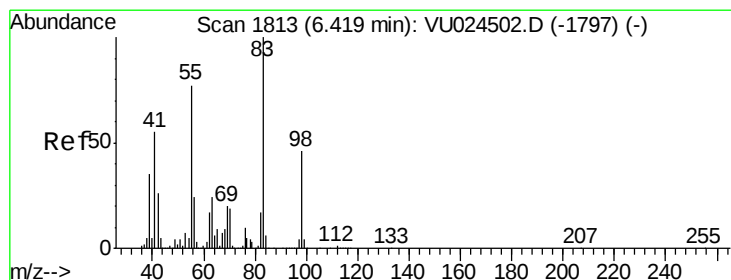
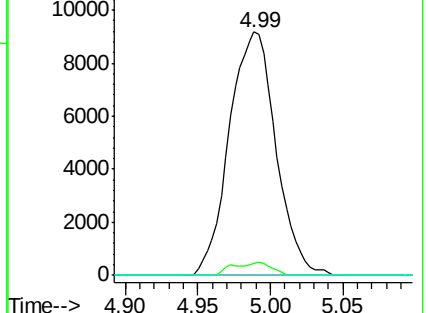
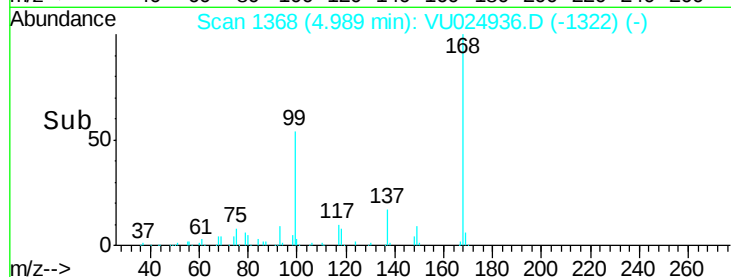
121 0.0 23.7 35.5#



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: 0.332 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

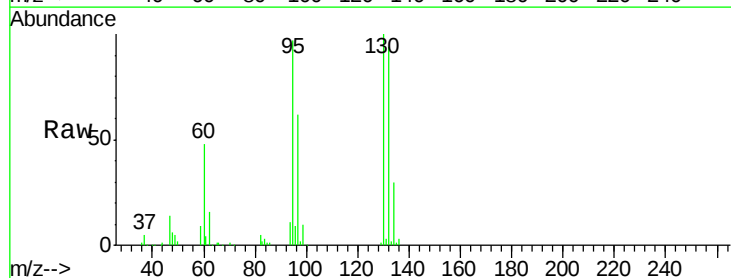
Tgt Ion: 83 Resp: 1561

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

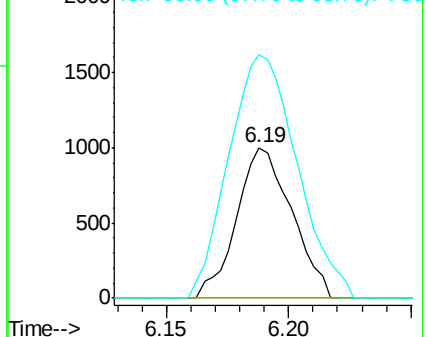
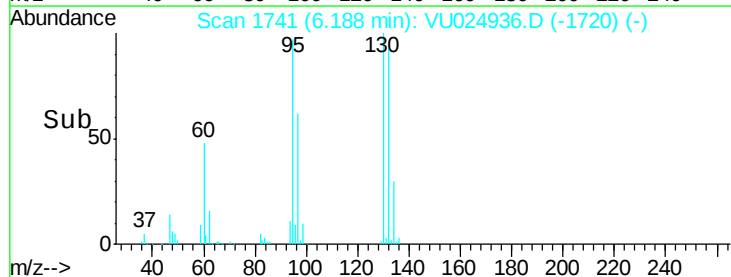
98 161.7 36.7 55.1#

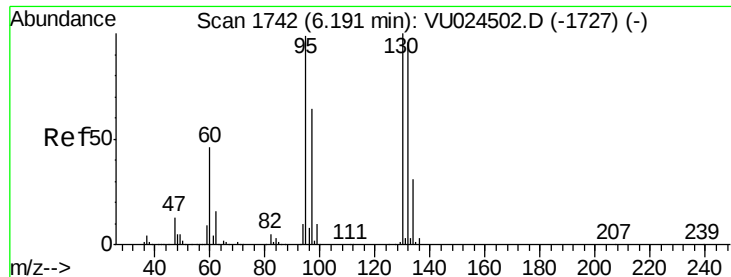


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

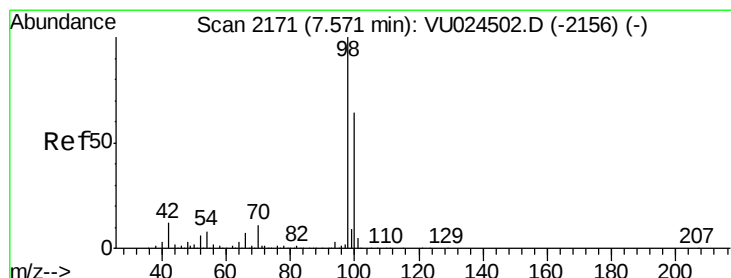
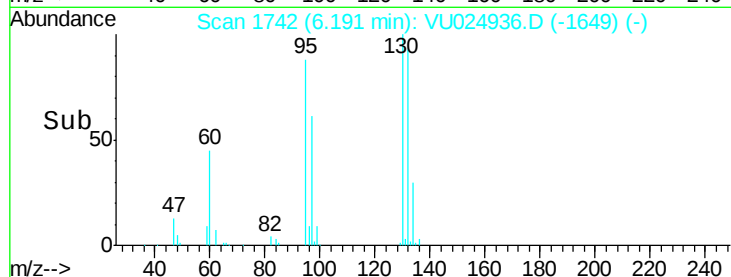
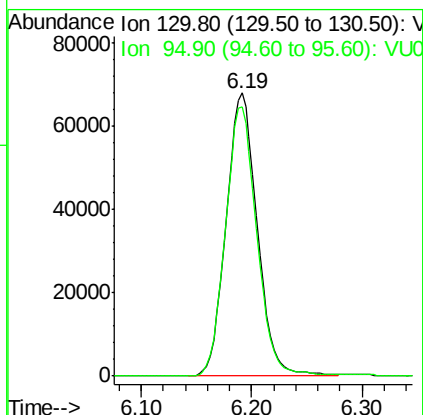
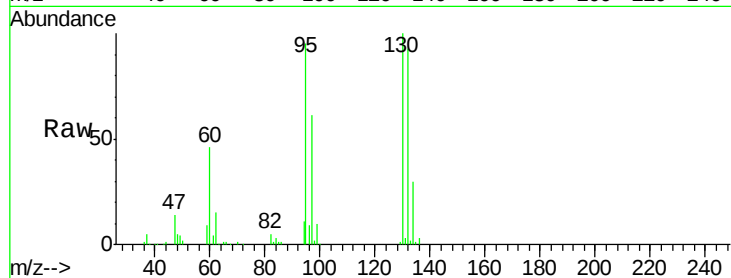




#44
 Trichloroethene
 Concen: 43.496 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

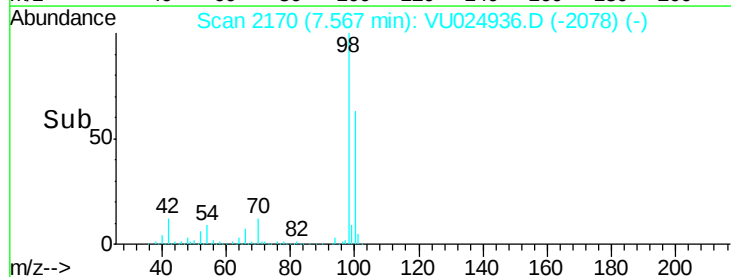
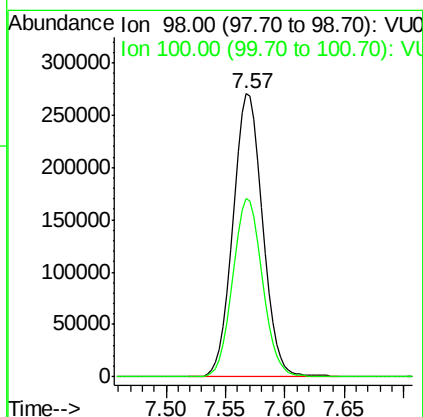
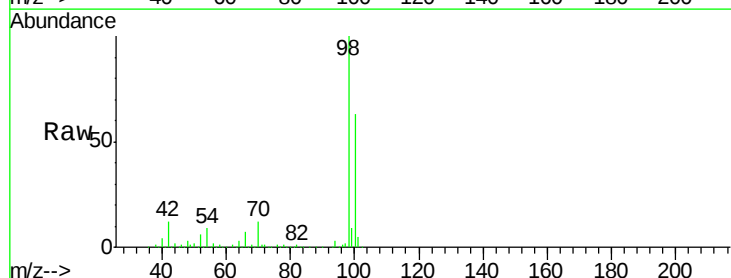
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

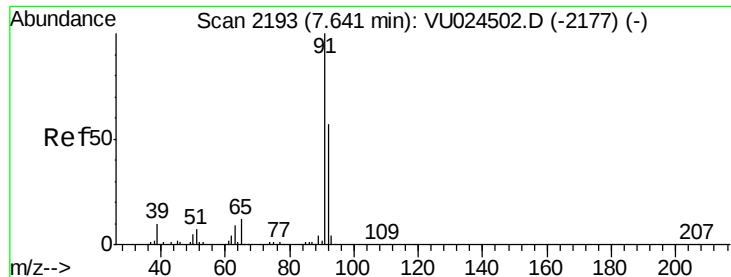
Tgt Ion:130 Resp: 132756
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 202.4



#50
 Toluene-d8
 Concen: 48.280 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

Tgt Ion: 98 Resp: 468113
 Ion Ratio Lower Upper
 98 100
 100 63.1 51.1 76.7





#52

Toluene

Concen: 0.626 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

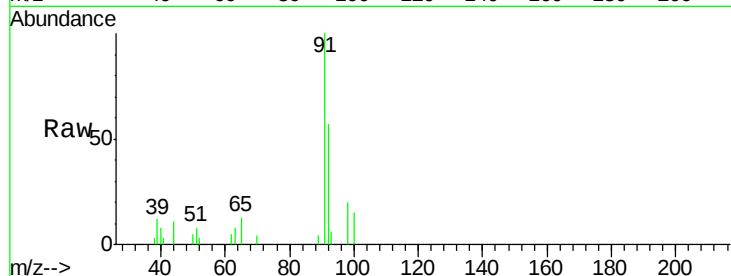
WP021SB483-33-35-180620ME

Tgt Ion: 92 Resp: 4320

Ion Ratio Lower Upper

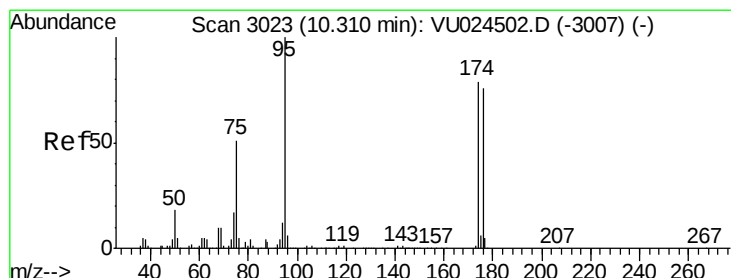
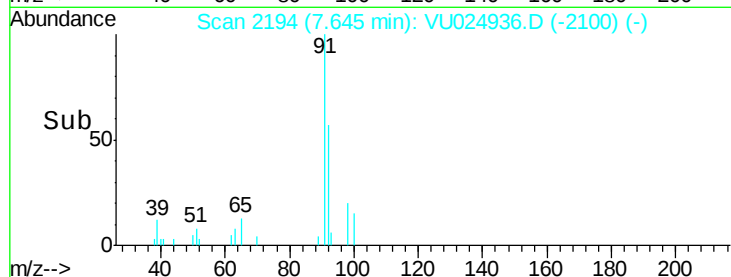
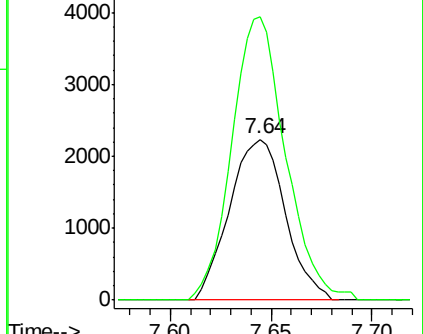
92 100

91 169.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.129 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

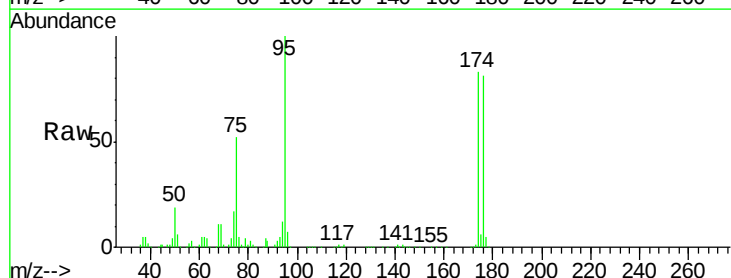
Tgt Ion: 95 Resp: 173731

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

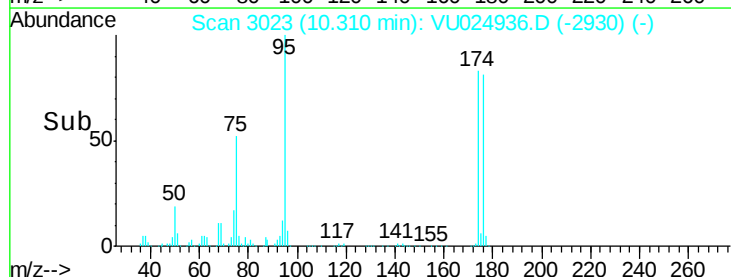
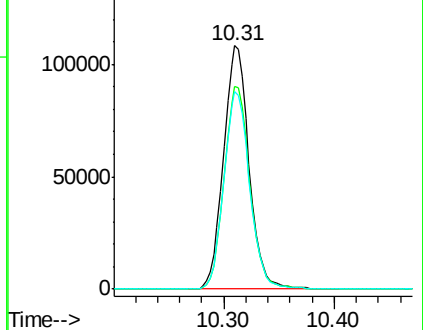
176 82.0 0.0 159.4

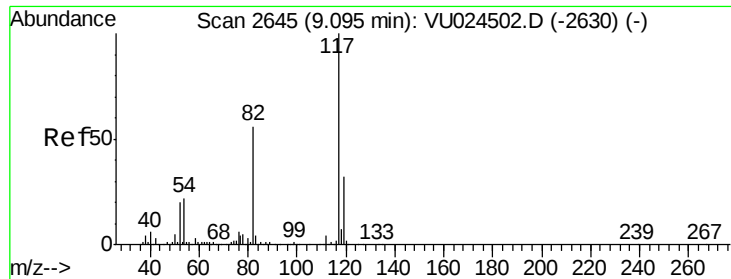


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

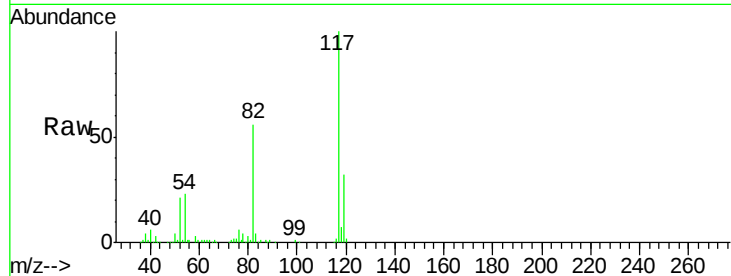




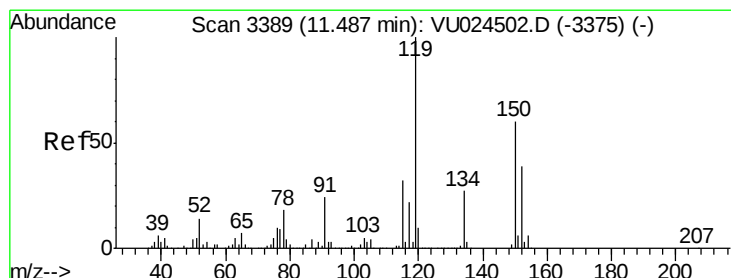
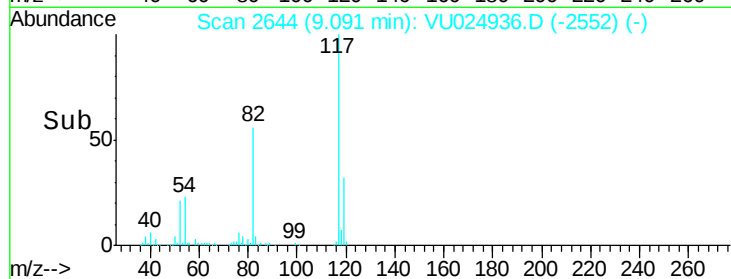
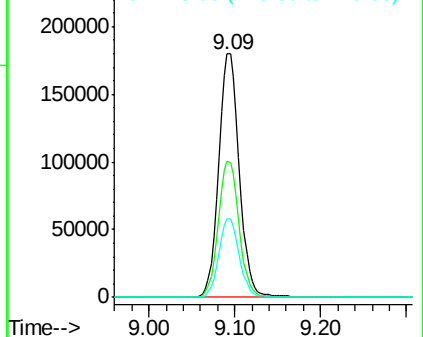
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024936.D
Acq: 26 Jun 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
WP021SB483-33-35-180620ME

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.3	66.5
119	32.3	25.4	38.2

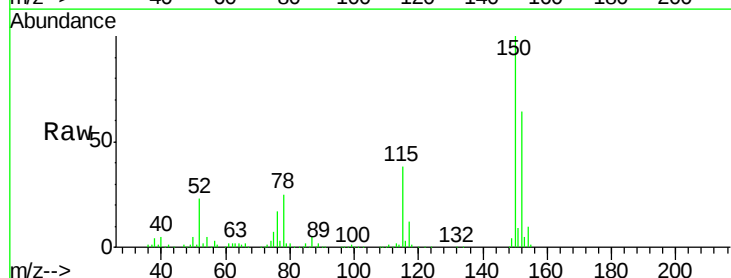


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

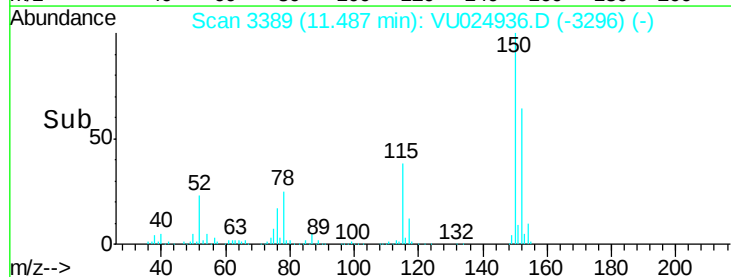
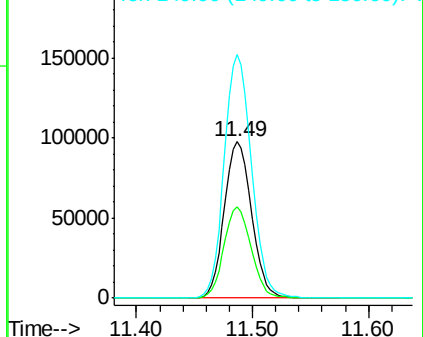


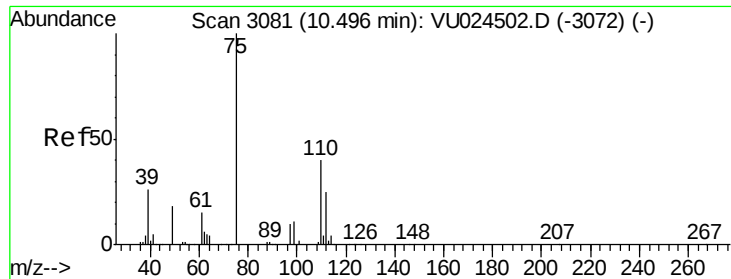
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024936.D
Acq: 26 Jun 2018 21:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	43.0	129.0
150	155.6	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: 25.852 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

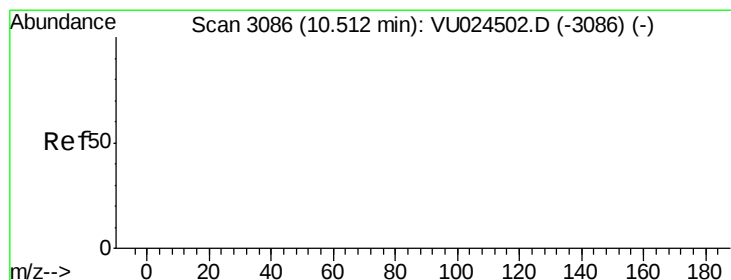
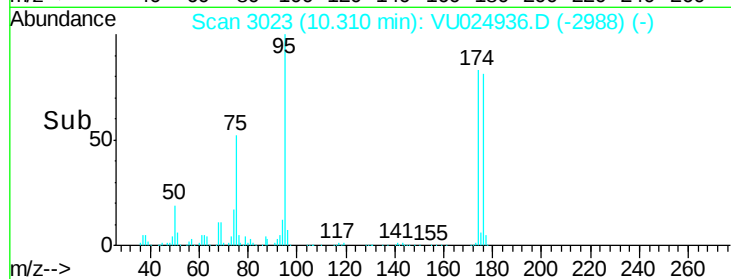
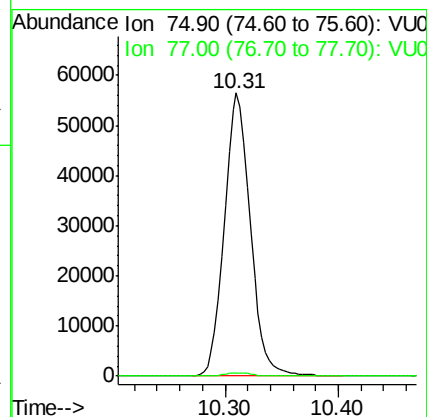
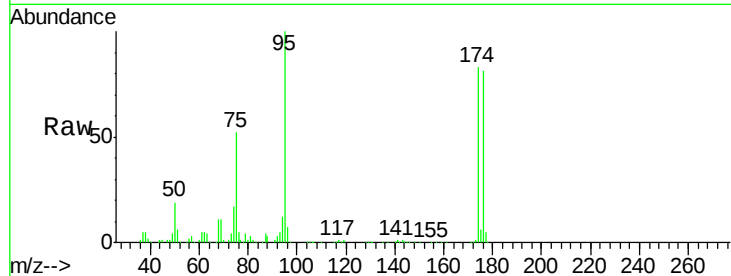
WP021SB483-33-35-180620ME

Tgt Ion: 75 Resp: 90391

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.833 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024936.D

Acq: 26 Jun 2018 21:56

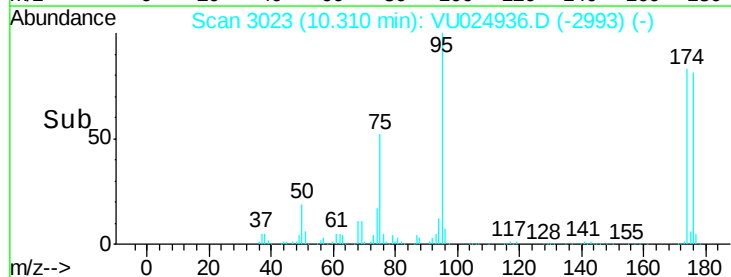
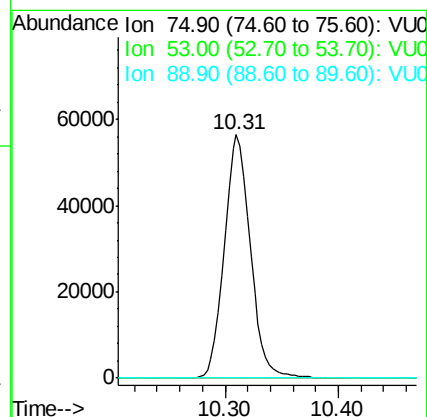
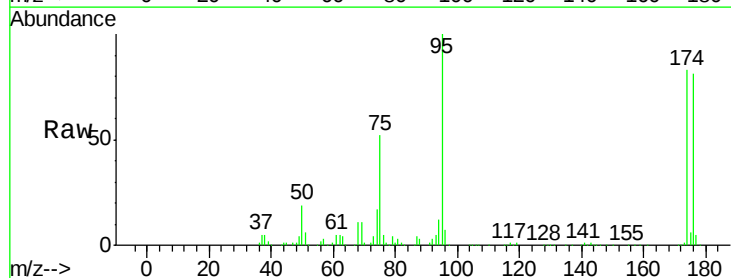
Tgt Ion: 75 Resp: 90391

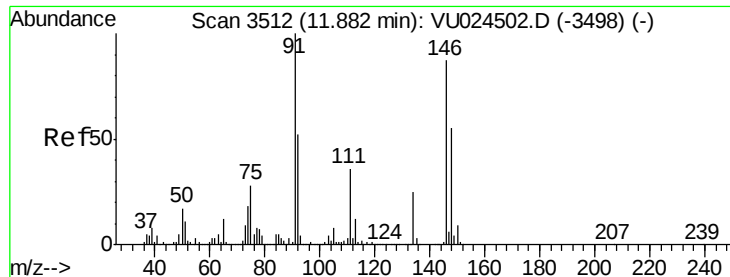
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

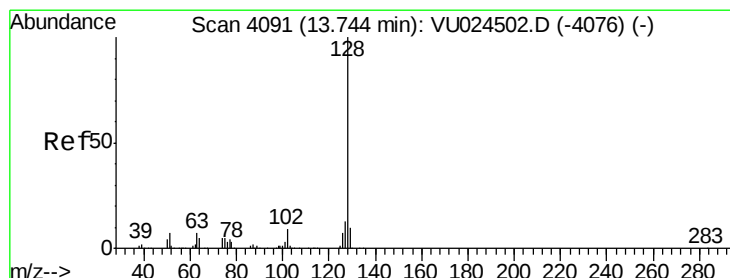
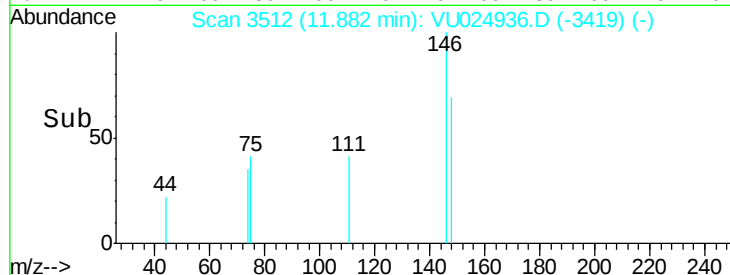
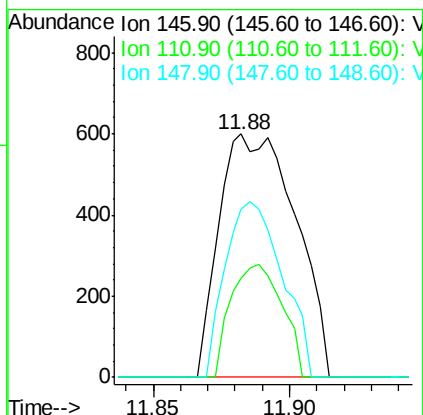
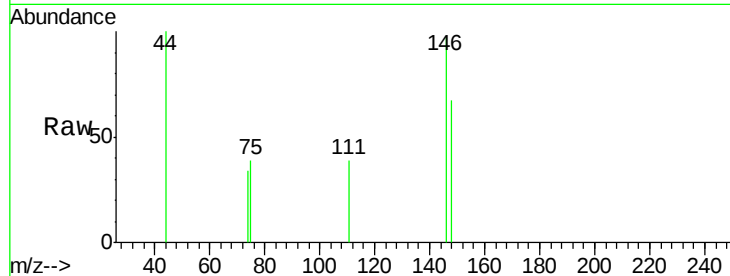




#91
 1,2-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB483-33-35-180620ME

Tgt Ion:146 Resp: 1167
 Ion Ratio Lower Upper
 146 100
 111 31.1 20.5 61.6
 148 53.9 31.9 95.7



#95
 Naphthalene
 Concen: 0.689 ug/l
 RT: 13.77 min Scan# 4099
 Delta R.T. 0.03 min
 Lab File: VU024936.D
 Acq: 26 Jun 2018 21:56

Tgt Ion:128 Resp: 113
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#

