

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070718\
 Data File : VU025245.D
 Acq On : 06 Jul 2018 17:16
 Operator : MD/SY
 Sample : J3808-15DL2 1000X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL2

Quant Time: Jul 06 23:30:19 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	207014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305815	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157355	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	155547	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	4.89	113	120655	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	
50) Toluene-d8	7.57	98	442992	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	10.31	95	167419	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

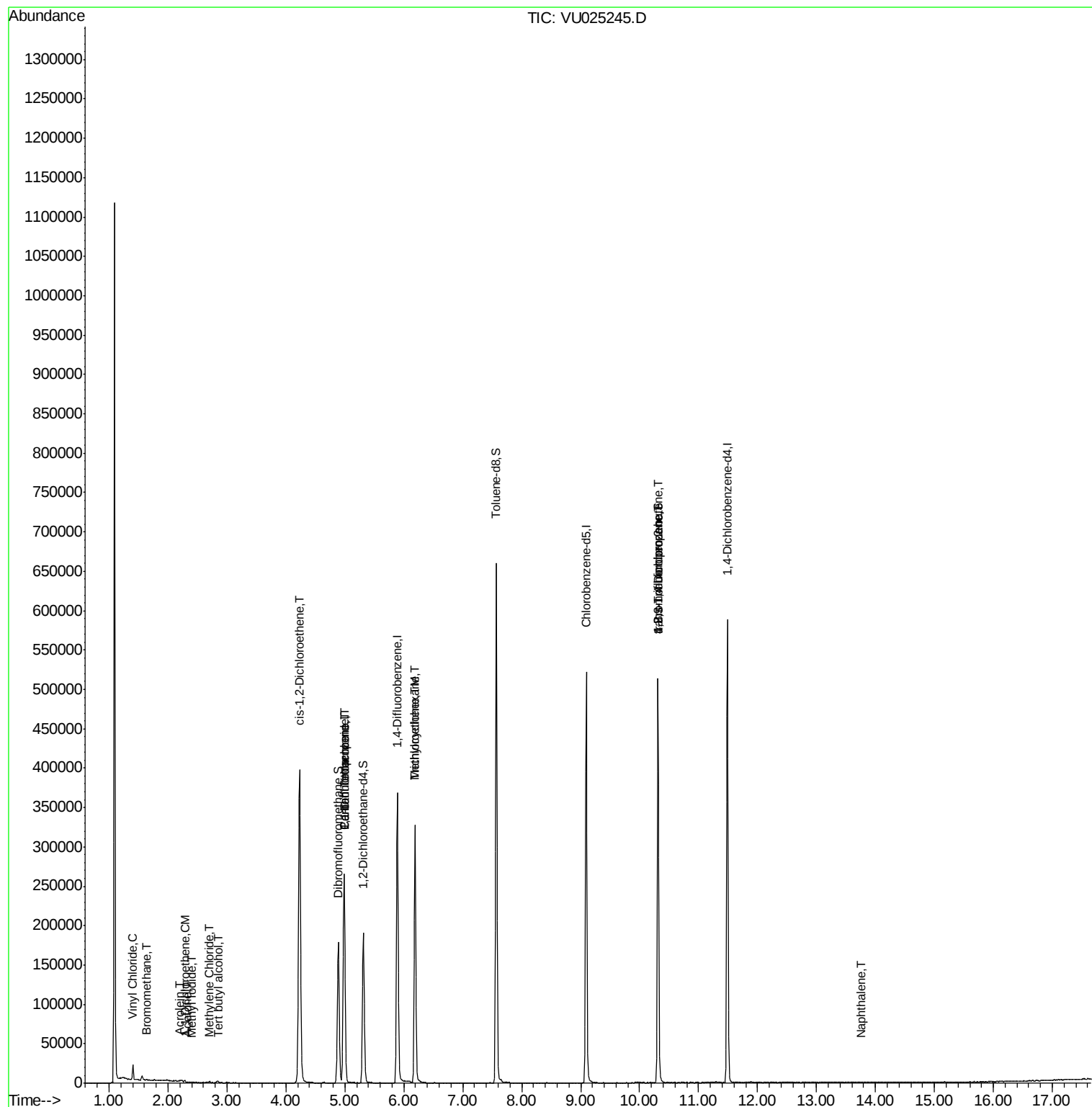
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	11660	4.271	ug/l	93
5) Bromomethane	1.64	94	351	0.266	ug/l	84
6) Chloroethane	1.53	64	142	Below Cal	#	43
10) Methyl Iodide	2.42	142	67	5.316	ug/l #	40
11) Tert butyl alcohol	2.84	59	1547	1.882	ug/l #	79
12) 1,1-Dichloroethene	2.29	96	763	0.324	ug/l #	77
13) Acrolein	2.18	56	132	0.306	ug/l #	1
16) Acetone	2.32	43	852	0.469	ug/l #	81
20) Methylene Chloride	2.70	84	688	0.241	ug/l #	78
27) cis-1,2-Dichloroethene	4.23	96	225276	75.477	ug/l	87
31) Cyclohexane	4.99	56	4323	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	15122	4.208	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20273	5.130	ug/l #	15
39) Methylcyclohexane	6.19	83	1398	0.312	ug/l #	1
44) Trichloroethene	6.19	130	114707	39.361	ug/l	92
76) 1,2,3-Trichloropropane	10.31	75	89529	25.843	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89529	59.811	ug/l #	100
95) Naphthalene	13.76	128	210	0.697	ug/l #	69

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

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Quant Title : SW846 8260
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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: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

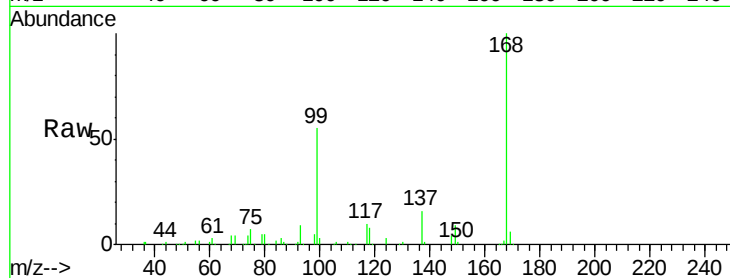
WP021IW465-180628DL2

Tot Ion:168 Resp: 207014

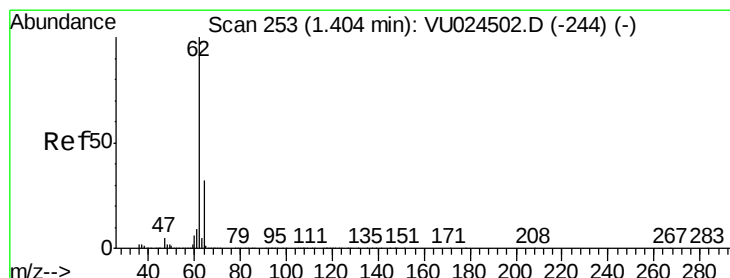
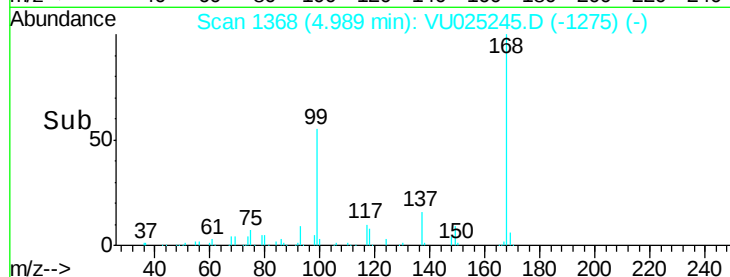
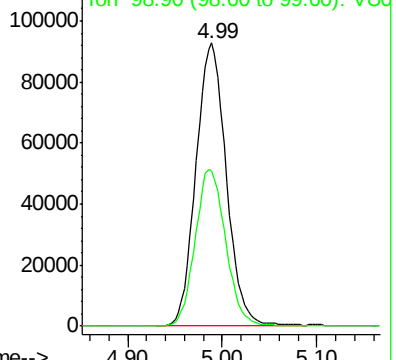
Ion Ratio Lower Upper

168 100

99 54.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025245.D (-1275) (-)



#4

Vinyl Chloride

Concen: 4.271 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025245.D

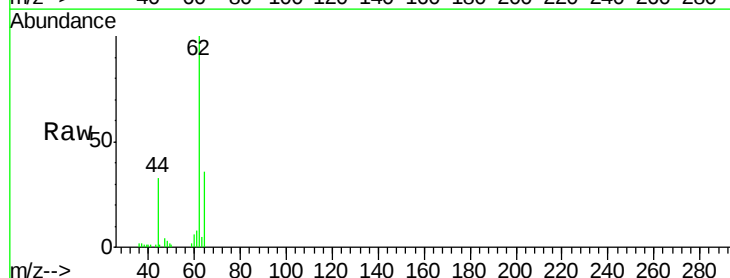
Acq: 06 Jul 2018 17:16

Tgt Ion: 62 Resp: 11660

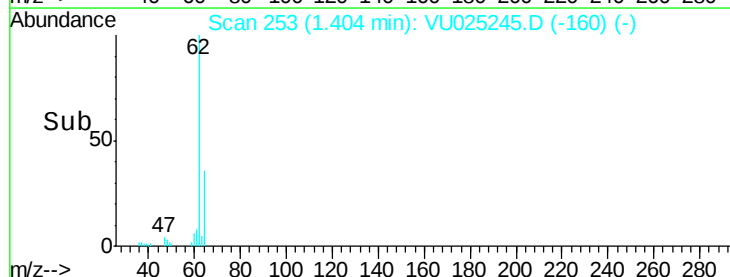
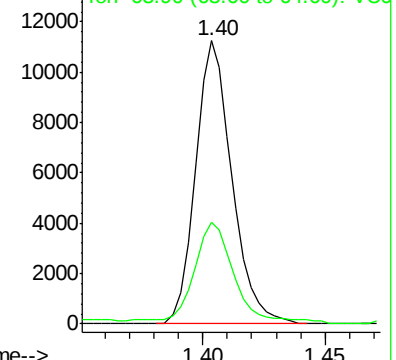
Ion Ratio Lower Upper

62 100

64 34.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU025245.D (-160) (-)





#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

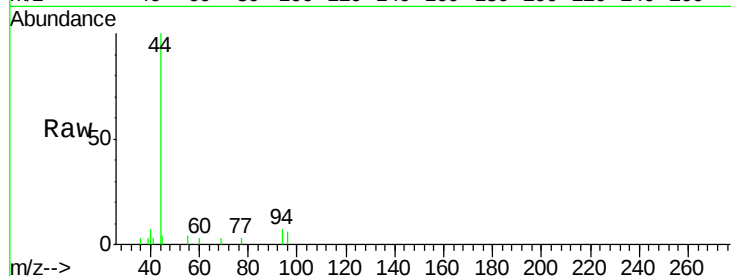
WP021IW465-180628DL2

Tot Ion: 94 Resp: 351

Ion Ratio Lower Upper

94 100

96 77.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

250

200

150

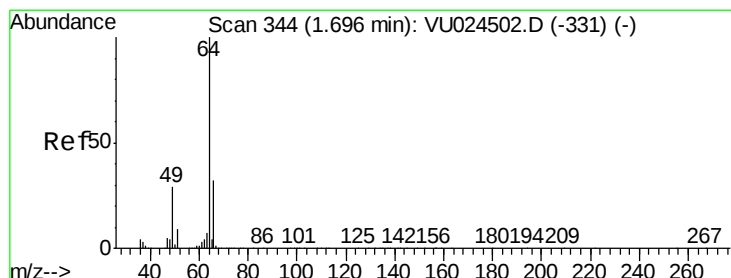
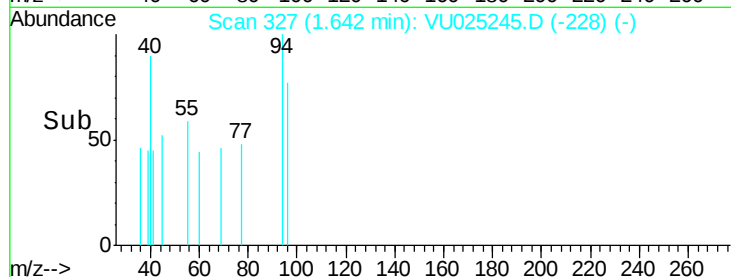
100

50

0

Time-->

1.60 1.62 1.64 1.66



#6

Chloroethane

Concen: Below Cal

RT: 1.53 min Scan# 293

Delta R.T. -0.16 min

Lab File: VU025245.D

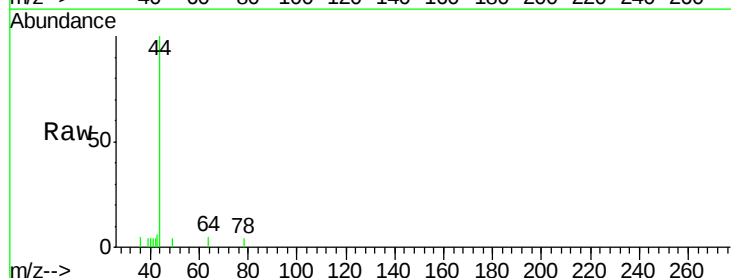
Acq: 06 Jul 2018 17:16

Tgt Ion: 64 Resp: 142

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

200

150

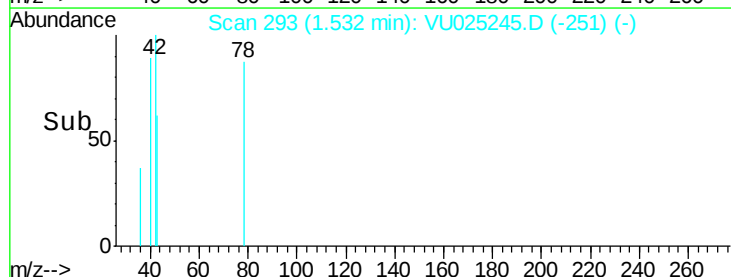
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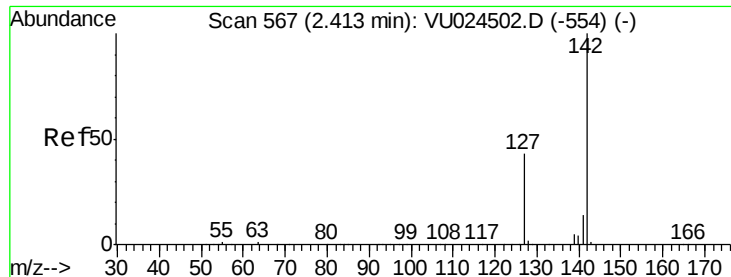
50

0

Time-->

1.52 1.53 1.54 1.55

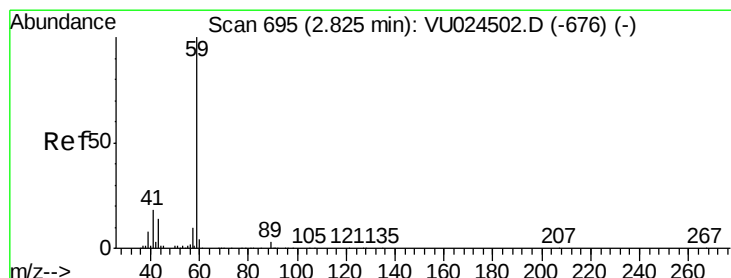
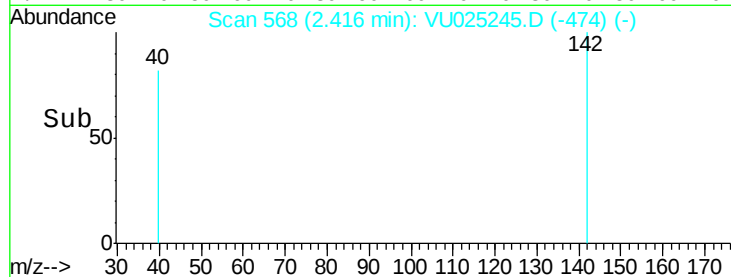
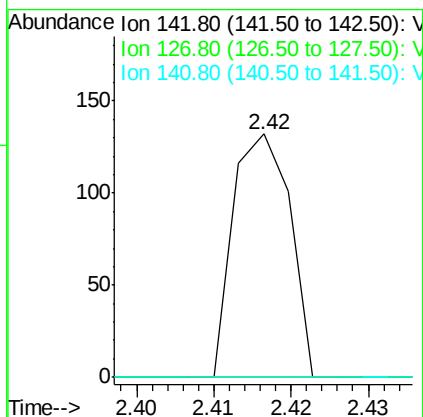
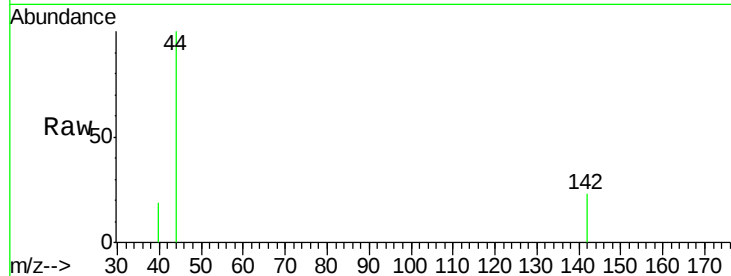




#10
Methvl Iodide
Concen: 5.316 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU025245.D
Acq: 06 Jul 2018 17:16

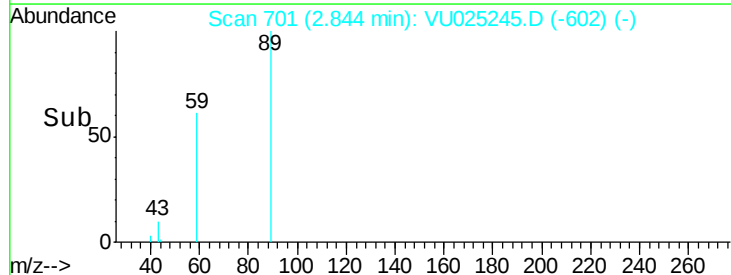
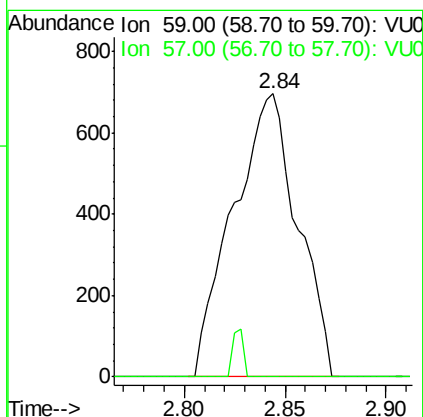
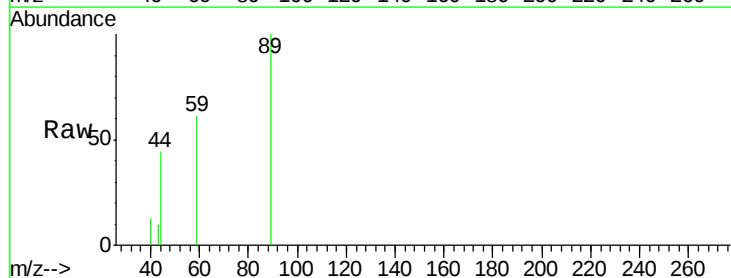
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628DL2

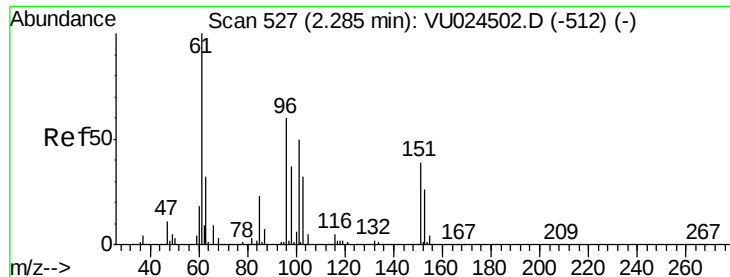
Tot Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.882 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU025245.D
Acq: 06 Jul 2018 17:16

Tgt Ion: 59 Resp: 1547
Ion Ratio Lower Upper
59 100
57 2.8 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 0.324 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL2

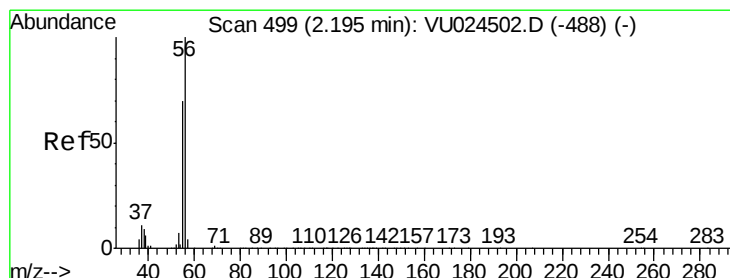
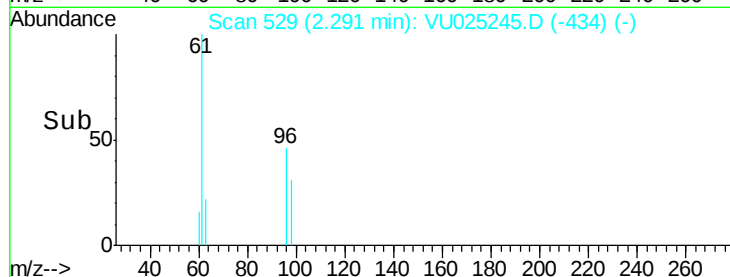
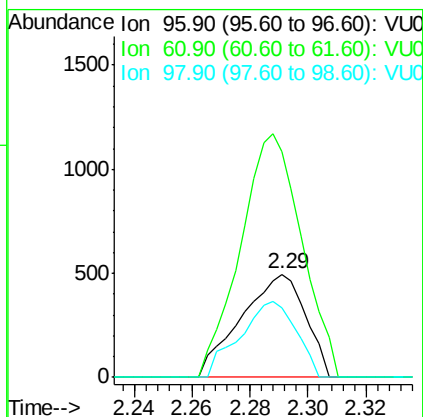
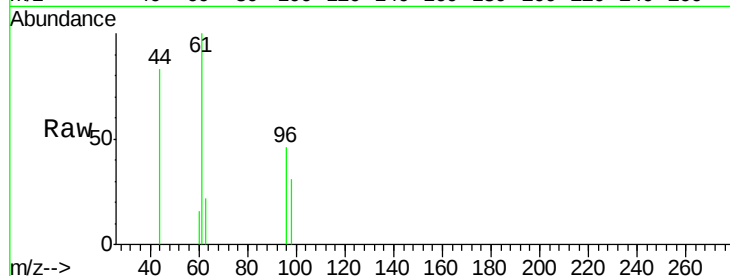
Tot Ion: 96 Resp: 763

Ion Ratio Lower Upper

96 100

61 219.0 141.7 212.5#

98 67.4 51.6 77.4



#13

Acrolein

Concen: 0.306 ug/l

RT: 2.18 min Scan# 496

Delta R.T. -0.01 min

Lab File: VU025245.D

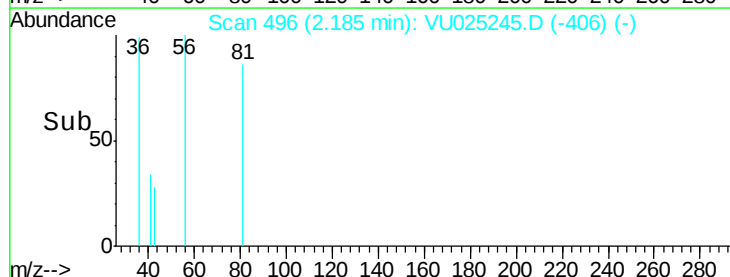
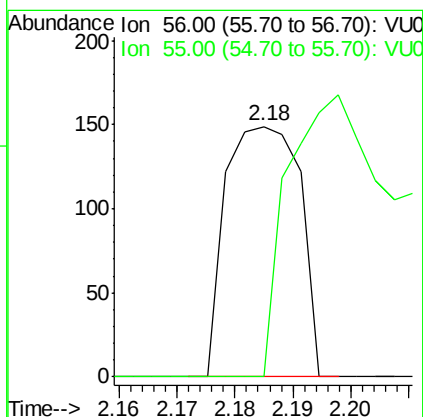
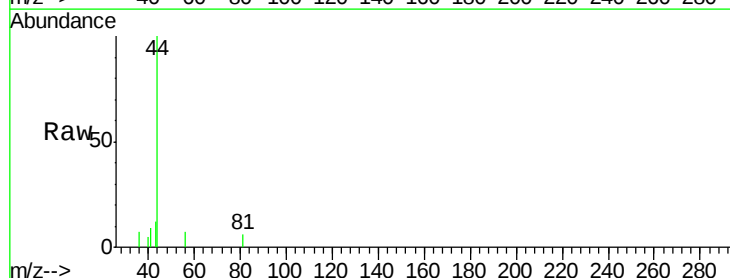
Acq: 06 Jul 2018 17:16

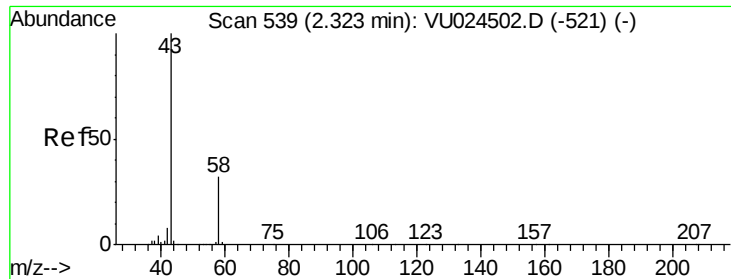
Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 170.5 58.4 87.6#





#16

Acetone

Concen: 0.469 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

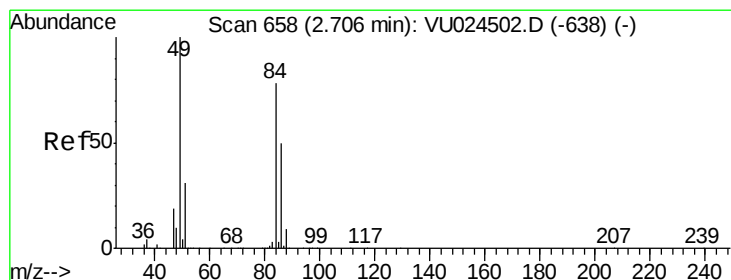
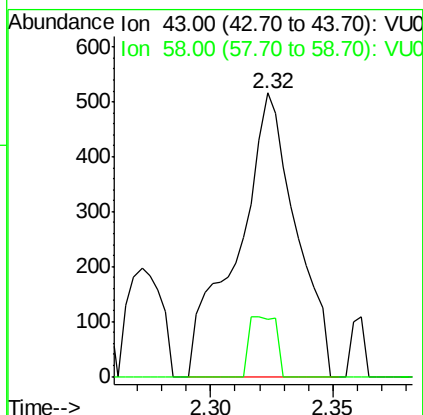
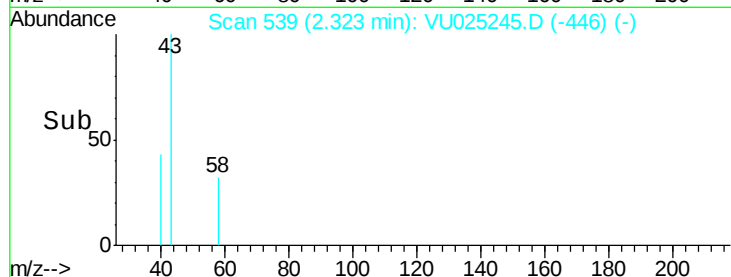
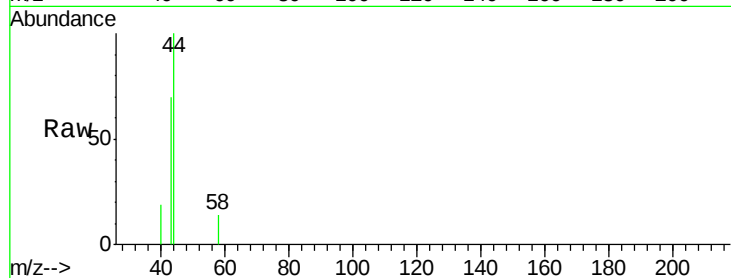
WP021IW465-180628DL2

Tot Ion: 43 Resp: 852

Ion Ratio Lower Upper

43 100

58 20.2 24.4 36.6#



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Tgt Ion: 84 Resp: 688

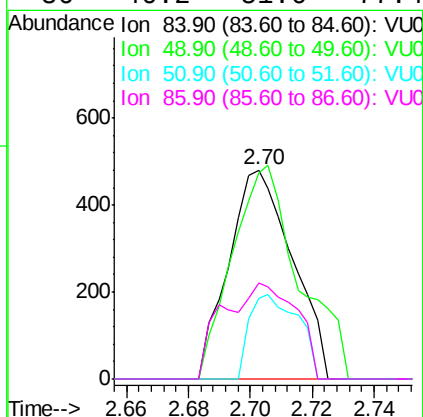
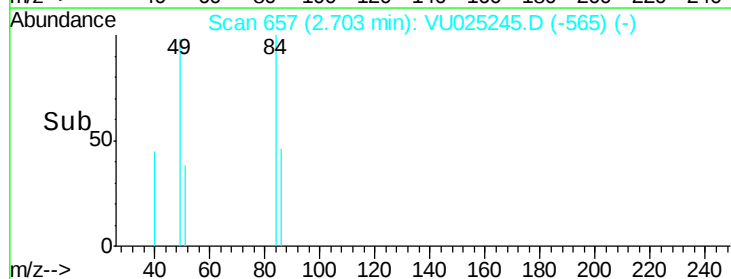
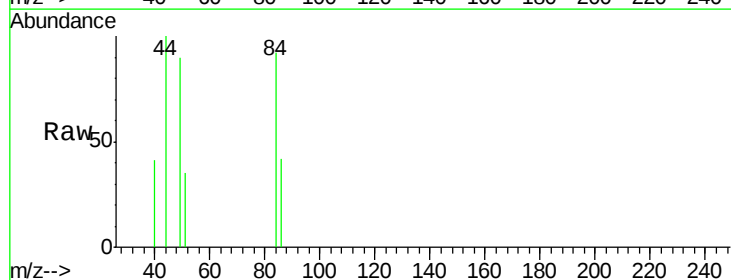
Ion Ratio Lower Upper

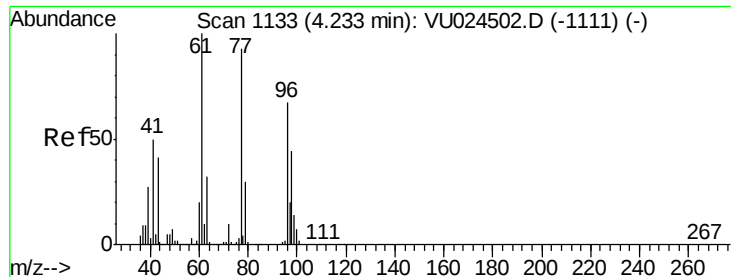
84 100

49 98.3 103.8 155.8#

51 38.5 32.0 48.0

86 46.2 51.6 77.4#





#27

cis-1,2-Dichloroethene

Concen: 75.477 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

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ClientSampleId :

WP021IW465-180628DL2

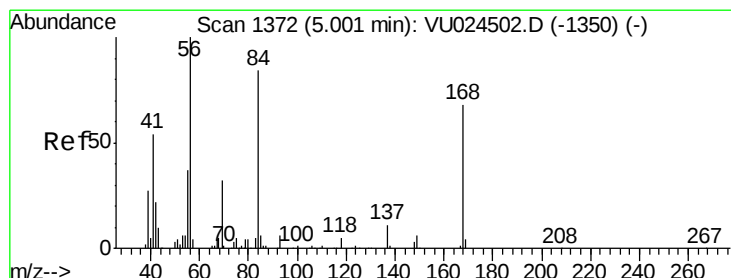
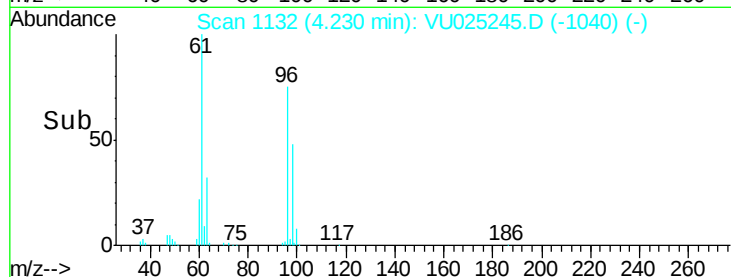
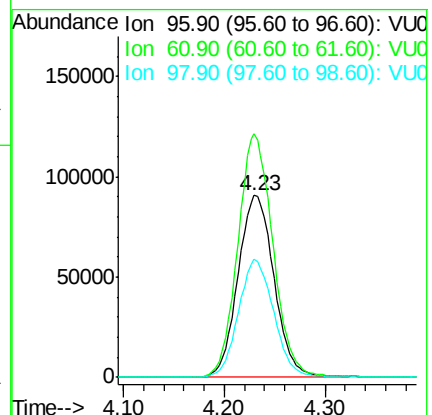
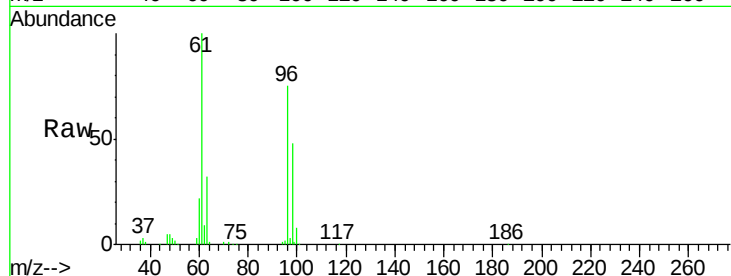
Tot Ion: 96 Resp: 225276

Ion Ratio Lower Upper

96 100

61 130.6 0.0 306.6

98 63.3 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

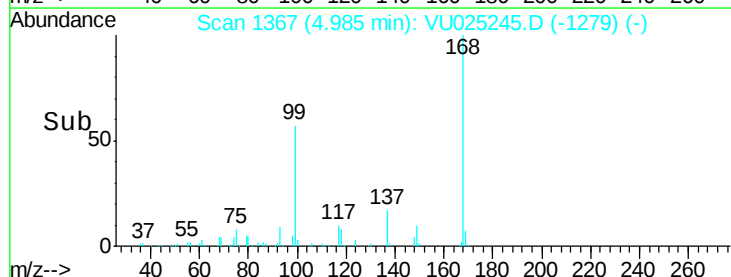
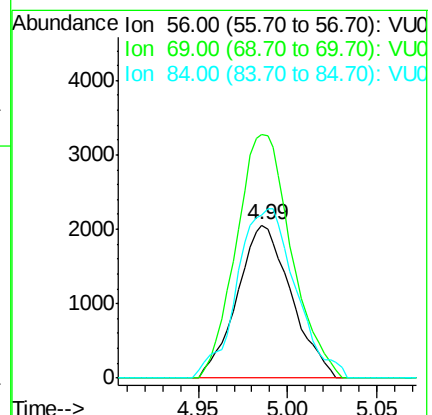
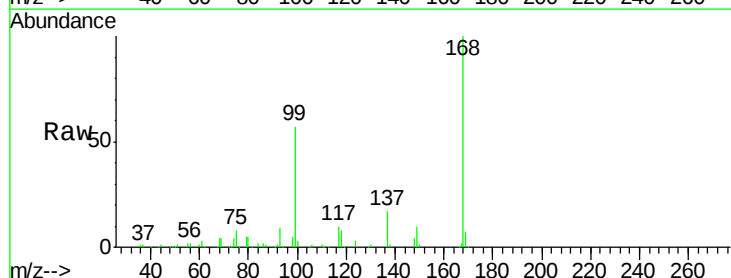
Tgt Ion: 56 Resp: 4323

Ion Ratio Lower Upper

56 100

69 158.9 24.8 37.2#

84 106.6 65.2 97.8#

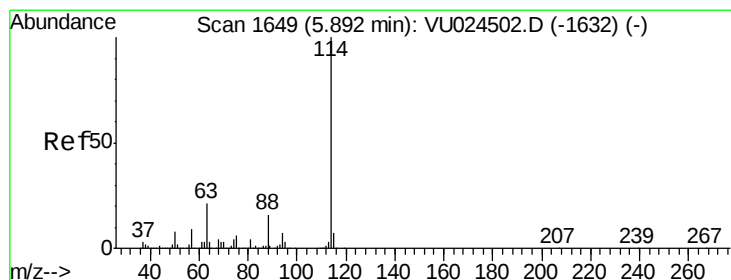
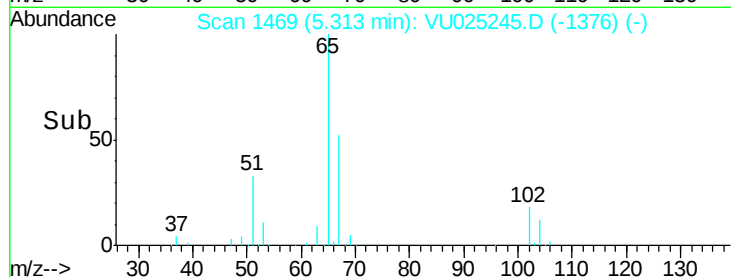
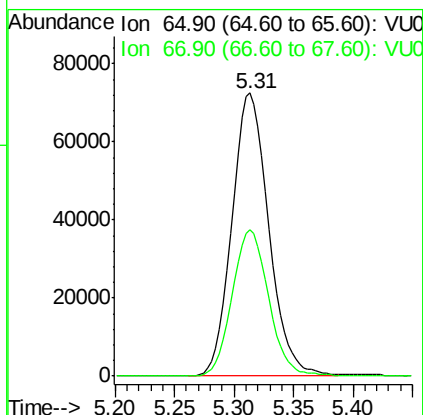
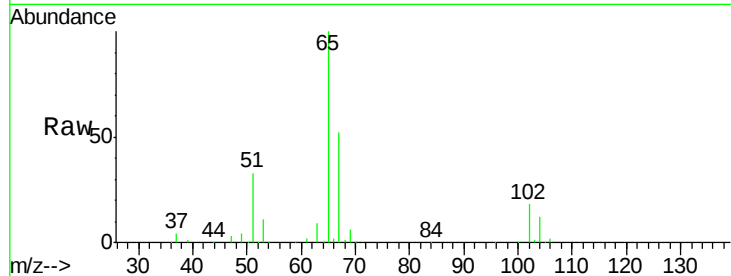




#33
 1,2-Dichloroethane-d4
 Concen: 46.026 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025245.D
 Acq: 06 Jul 2018 17:16

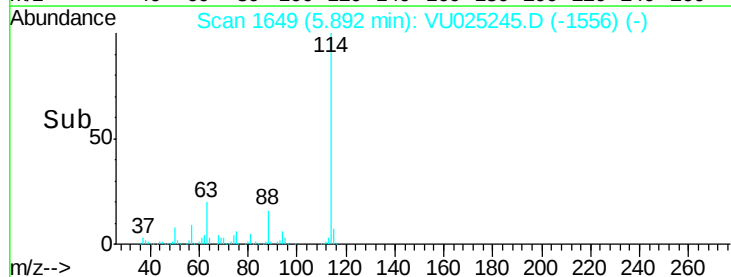
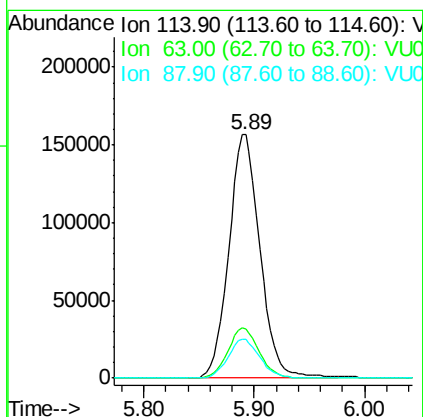
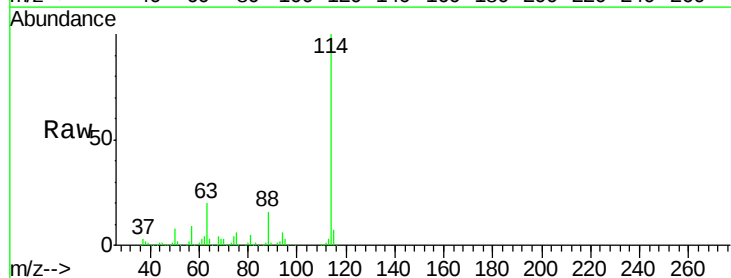
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL2

Tot Ion: 65 Resp: 155547
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025245.D
 Acq: 06 Jul 2018 17:16

Tgt Ion: 114 Resp: 305815
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.4
 88 15.7 0.0 31.0

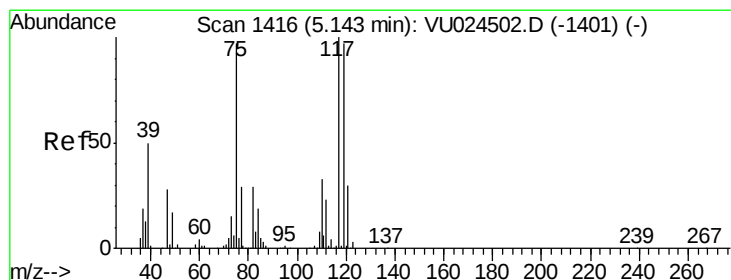
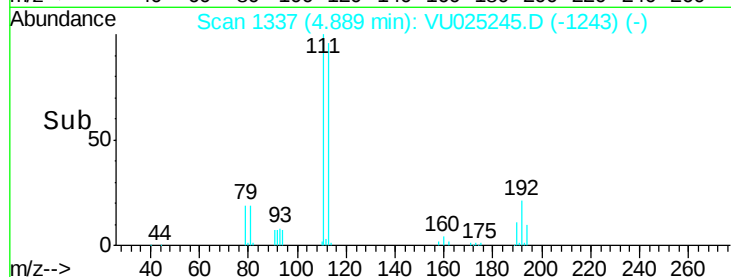
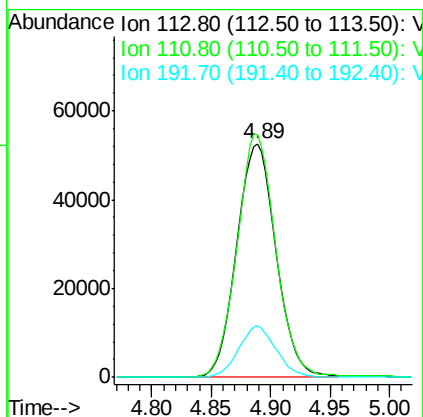
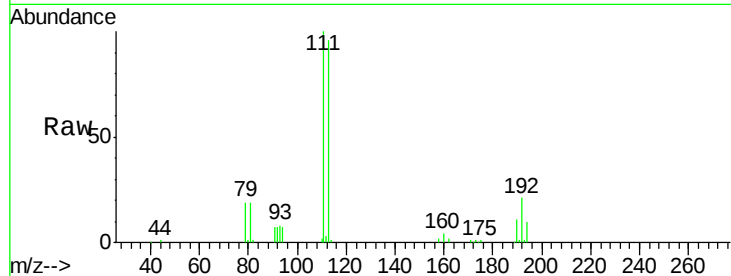




#35
 Dibromofluoromethane
 Concen: 47.539 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025245.D
 Acq: 06 Jul 2018 17:16

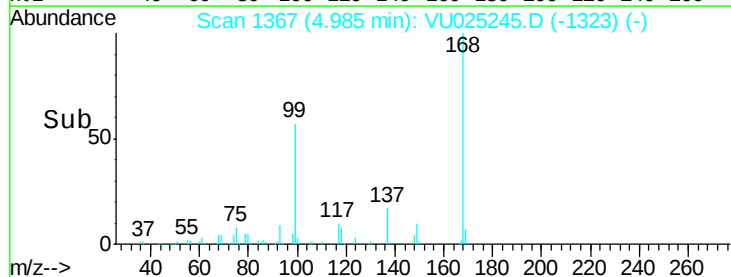
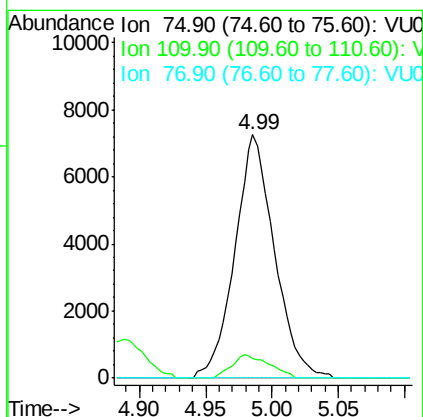
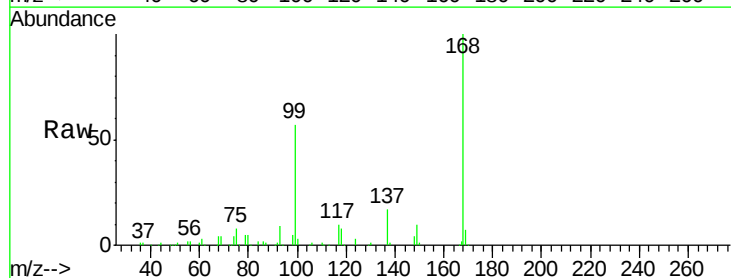
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628DL2

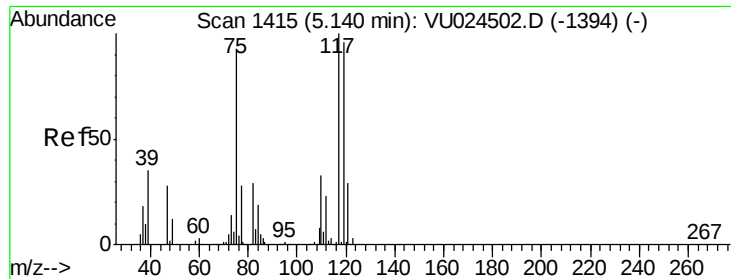
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.208 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025245.D
 Acq: 06 Jul 2018 17:16

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





#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL2

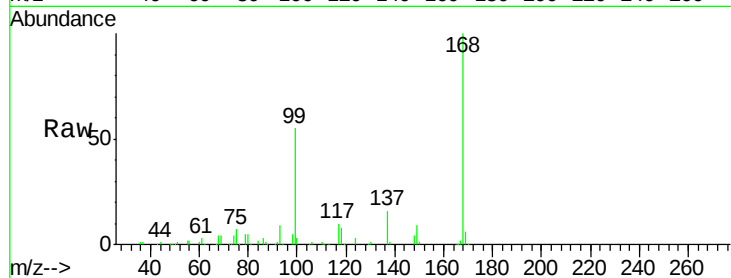
Tot Ion:117 Resp: 20273

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

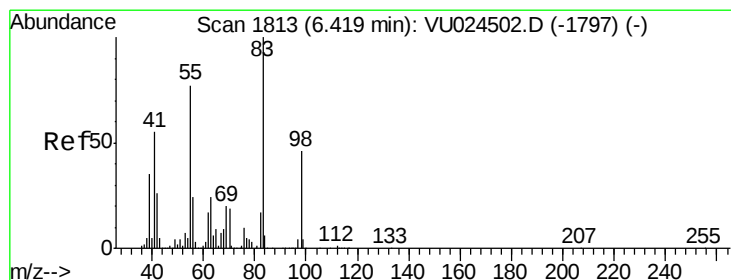
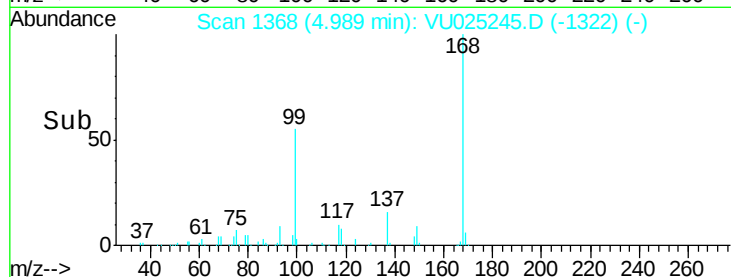
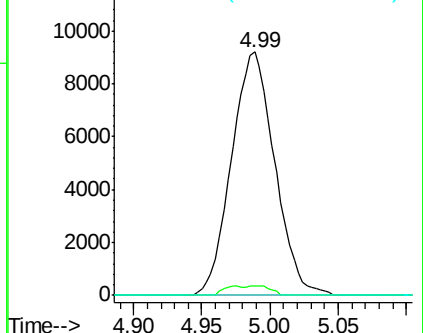
121 0.0 23.7 35.5#



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: 0.312 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.23 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

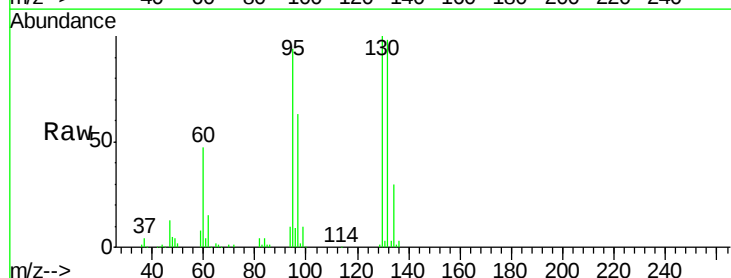
Tgt Ion: 83 Resp: 1398

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

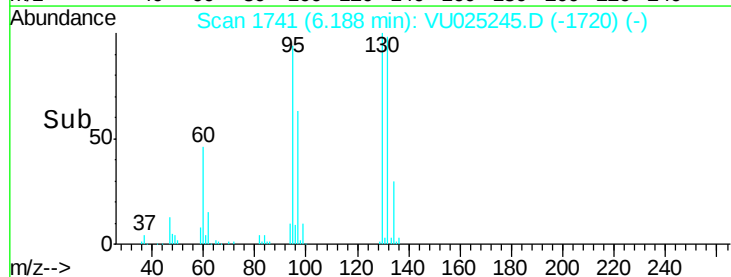
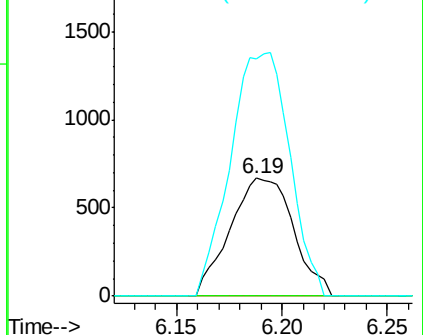
98 201.5 36.7 55.1#

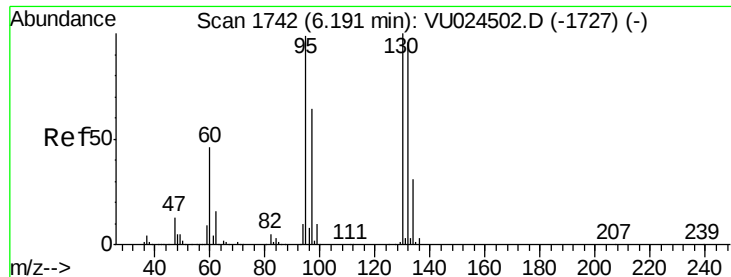


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 39.361 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

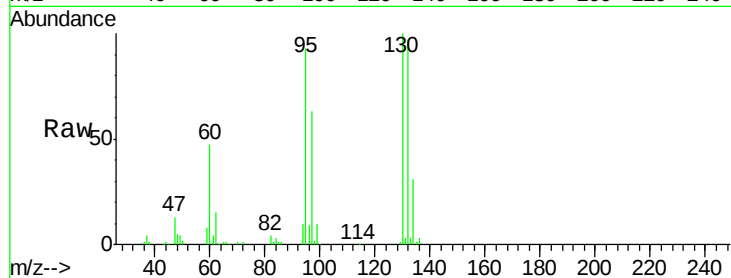
WP021IW465-180628DL2

Tot Ion:130 Resp: 114707

Ion Ratio Lower Upper

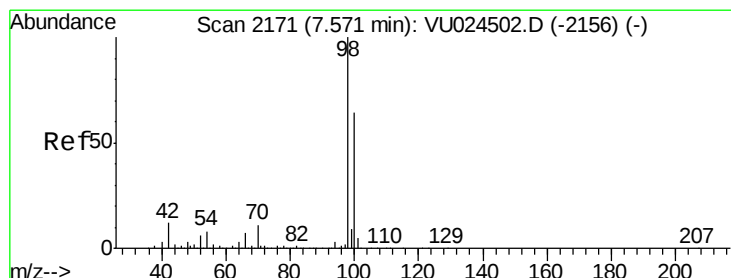
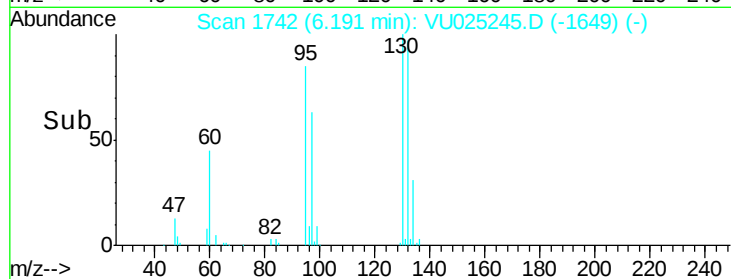
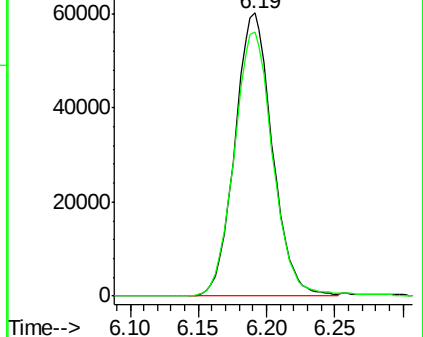
130 100

95 93.3 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 47.851 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025245.D

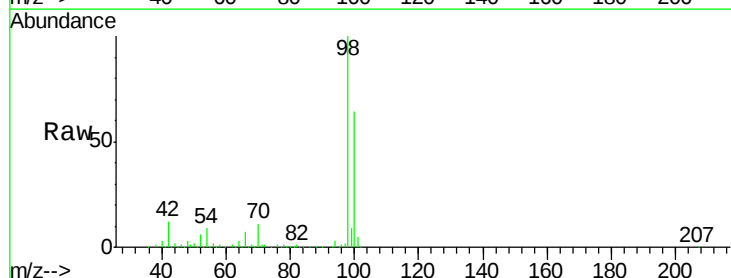
Acq: 06 Jul 2018 17:16

Tgt Ion: 98 Resp: 442992

Ion Ratio Lower Upper

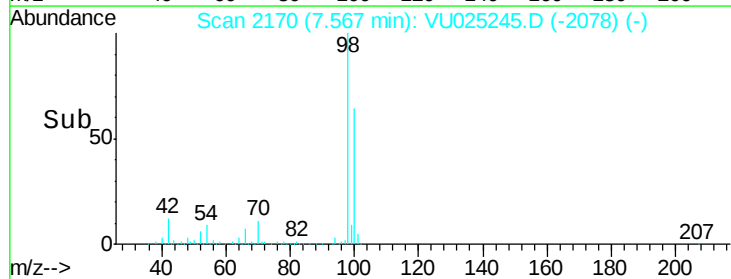
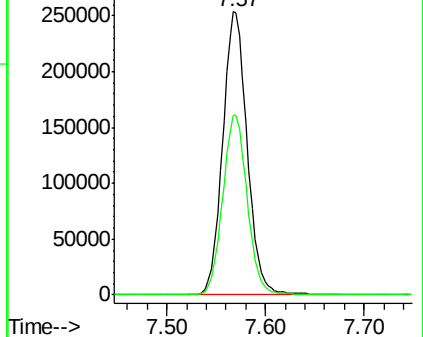
98 100

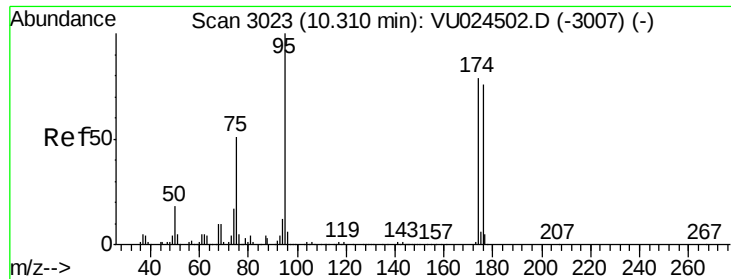
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.548 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL2

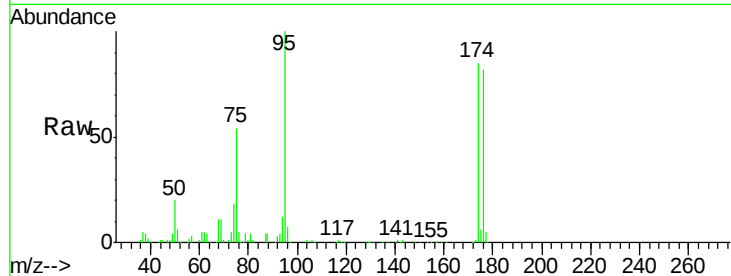
Tot Ion: 95 Resp: 167419

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

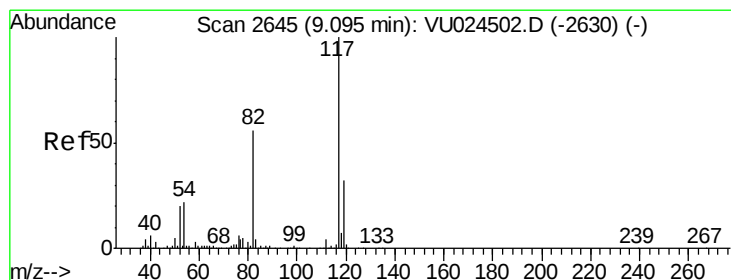
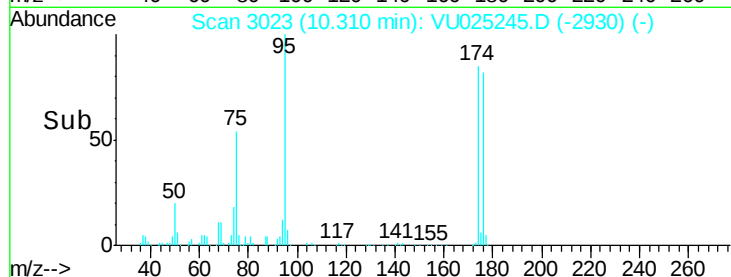
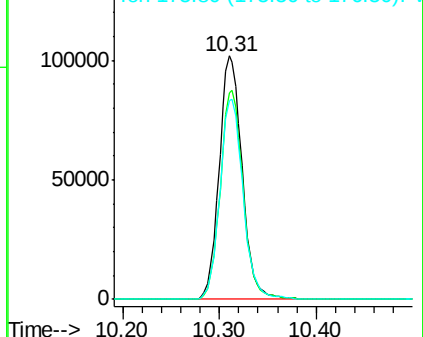
176 83.0 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

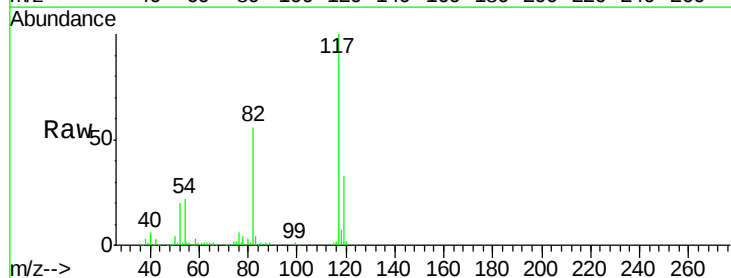
Tgt Ion: 117 Resp: 288844

Ion Ratio Lower Upper

117 100

82 56.2 44.3 66.5

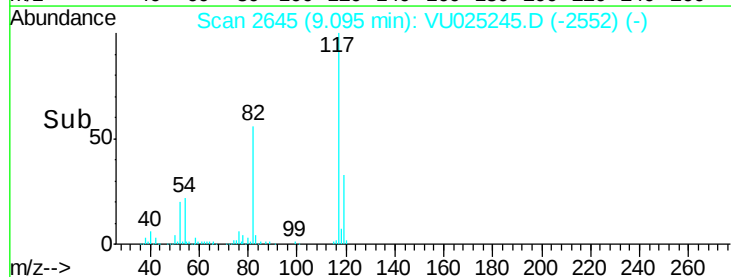
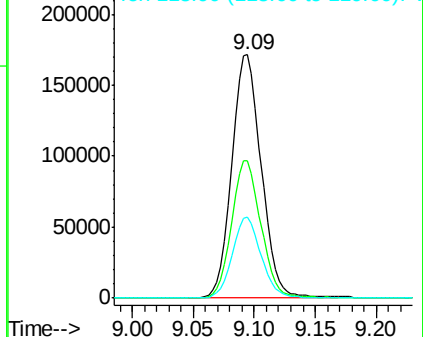
119 33.3 25.4 38.2

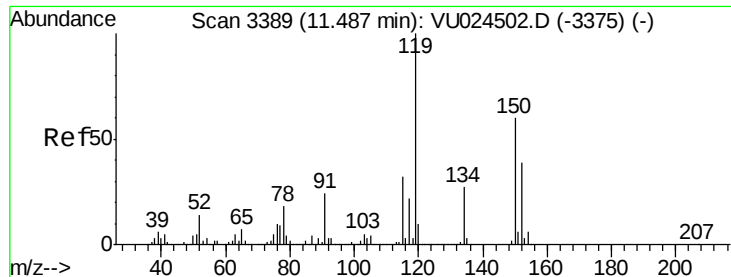


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025245.D

Acq: 06 Jul 2018 17:16

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628DL2

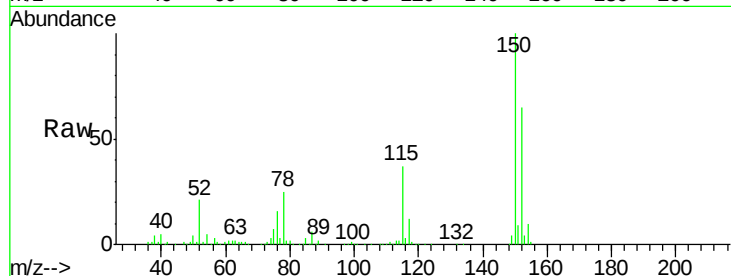
Tot Ion:152 Resp: 157355

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

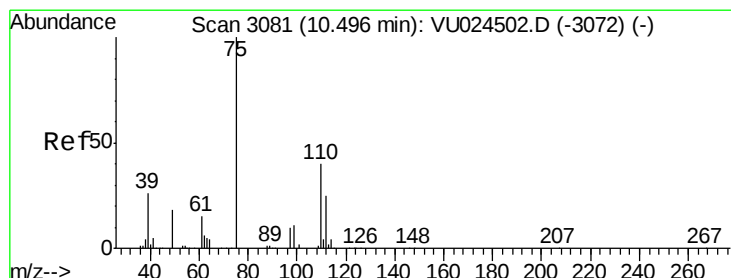
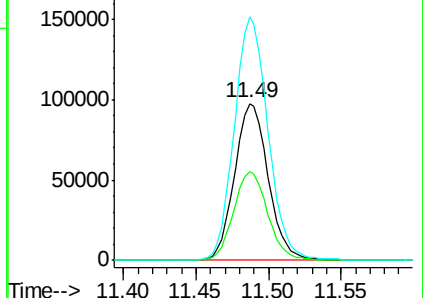
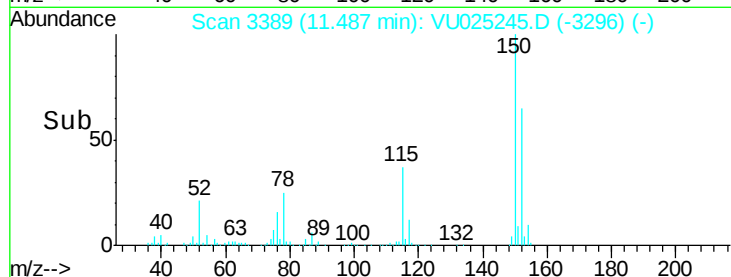
150 156.1 0.0 354.0



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: 25.843 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025245.D

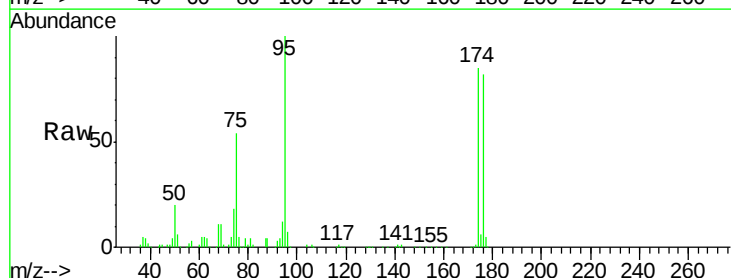
Acq: 06 Jul 2018 17:16

Tgt Ion: 75 Resp: 89529

Ion Ratio Lower Upper

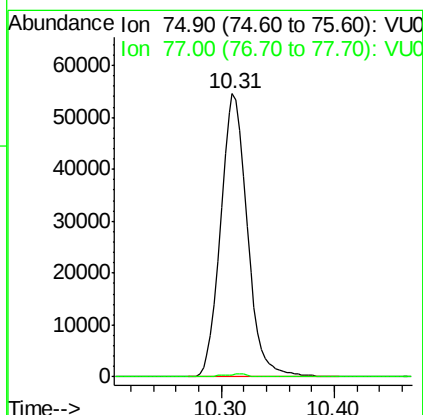
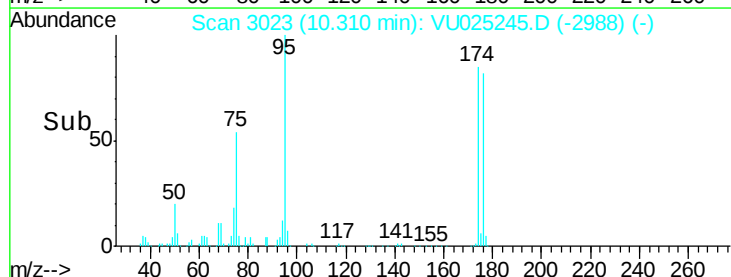
75 100

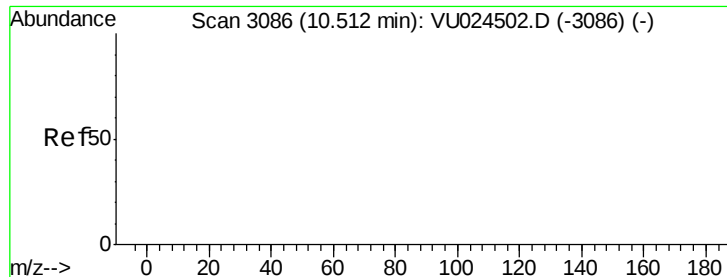
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

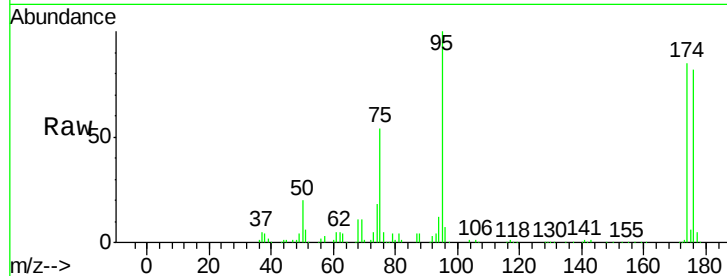




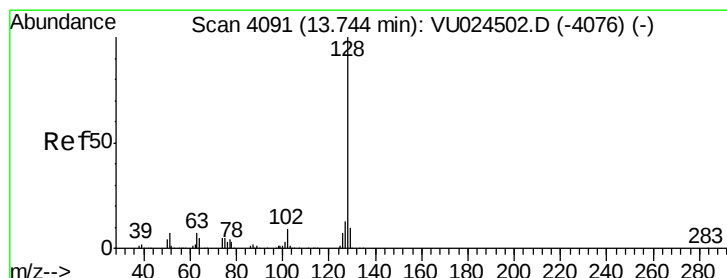
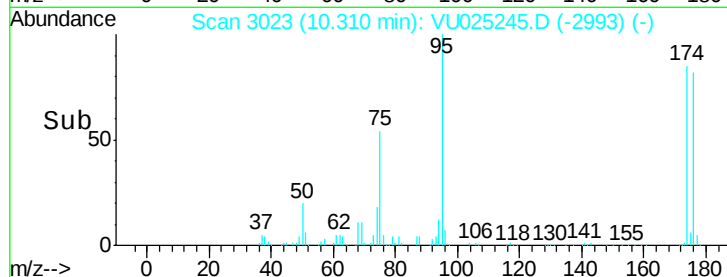
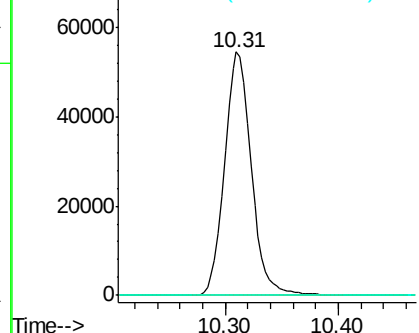
#81
trans-1,4-Dichloro-2-butene
Concen: 59.811 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025245.D
Acq: 06 Jul 2018 17:16

Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628DL2

Tot Ion: 75 Resp: 89529
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

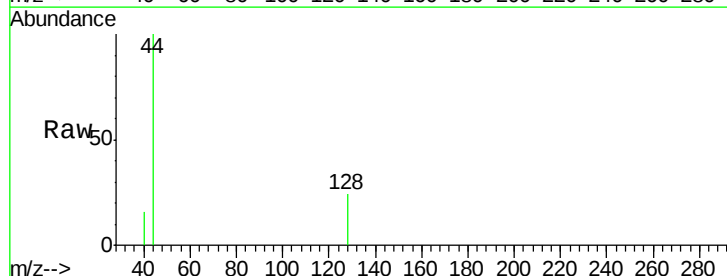


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.697 ug/l
RT: 13.76 min Scan# 4097
Delta R.T. 0.02 min
Lab File: VU025245.D
Acq: 06 Jul 2018 17:16

Tgt Ion: 128 Resp: 210
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

