

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025666.D
 Acq On : 27 Jul 2018 14:01
 Operator : MD/SY
 Sample : VN0727MBL01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBL01

Quant Time: Jul 28 03:36:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	279609	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159591	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	140201	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	4.89	113	116414	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
50) Toluene-d8	7.57	98	399923	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	10.31	95	152704	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	

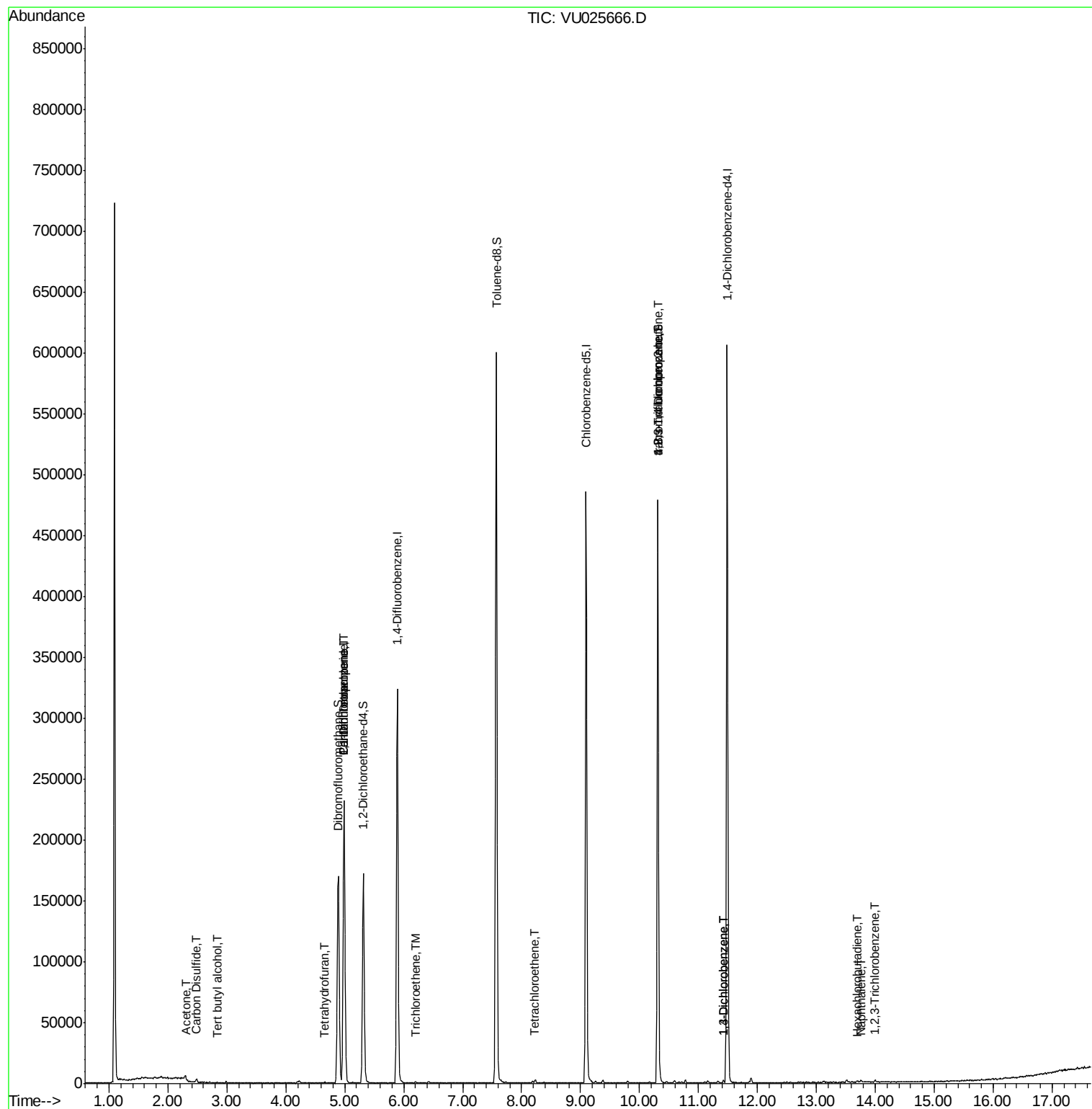
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	187	0.30	ug/l #	73
13) Acrolein	2.22	56	44	Below Cal	#	14
16) Acetone	2.32	43	865	0.63	ug/l #	46
17) Carbon Disulfide	2.48	76	3344	0.53	ug/l #	94
29) Tetrahydrofuran	4.66	42	320	0.29	ug/l #	58
31) Cyclohexane	4.99	56	3960	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	13090	4.01	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17815	4.81	ug/l #	16
44) Trichloroethene	6.19	130	545	0.20	ug/l	94
64) Tetrachloroethene	8.23	164	511	0.22	ug/l #	61
76) 1,2,3-Trichloropropane	10.31	75	79623	22.64	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79623	56.78	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	1178	0.21	ug/l	86
88) 1,4-Dichlorobenzene	11.42	146	1178	0.20	ug/l	85
94) Hexachlorobutadiene	13.70	225	494	0.25	ug/l	74
95) Naphthalene	13.75	128	2379	1.45	ug/l #	84
96) 1,2,3-Trichlorobenzene	13.99	180	974	0.26	ug/l #	88

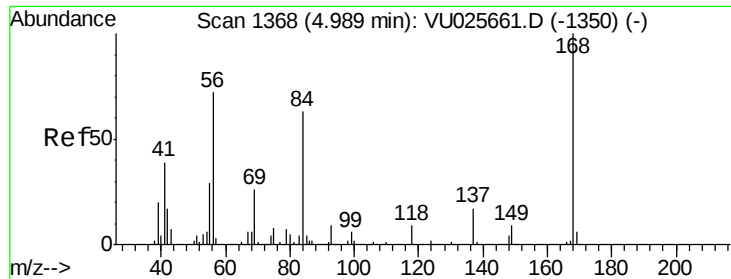
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

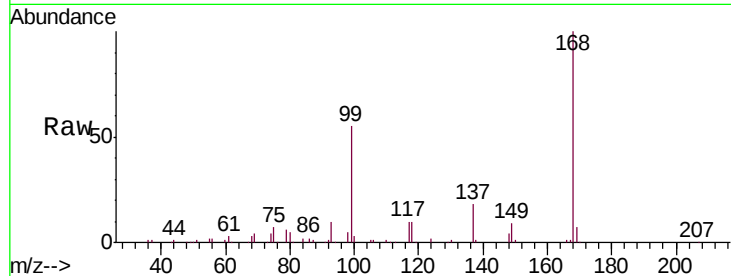
VU0727MBL01

Tot Ion:168 Resp: 179876

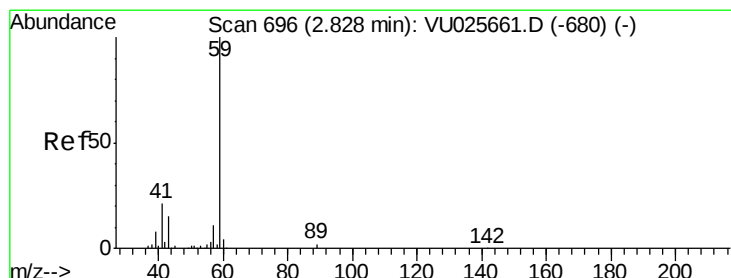
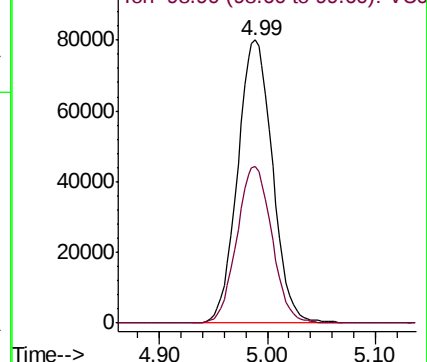
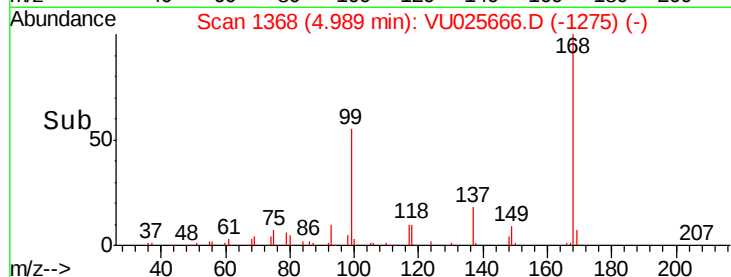
Ion Ratio Lower Upper

168 100

99 55.2 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025666.D (-1275) (-)



#11

Tert butyl alcohol

Concen: 0.30 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU025666.D

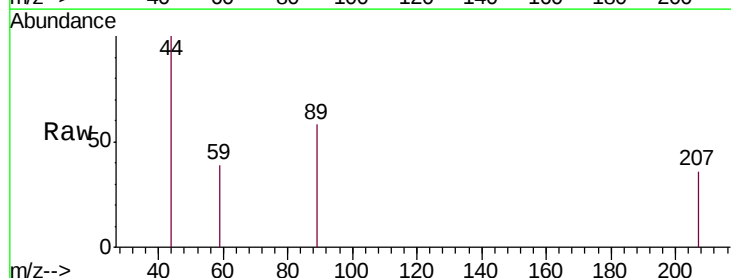
Acq: 27 Jul 2018 14:01

Tgt Ion: 59 Resp: 187

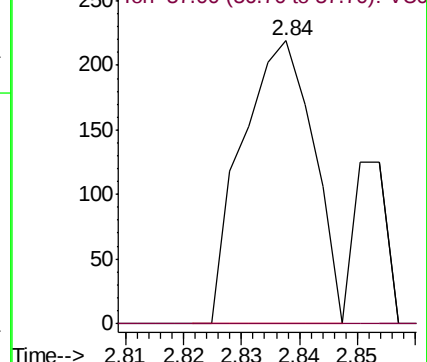
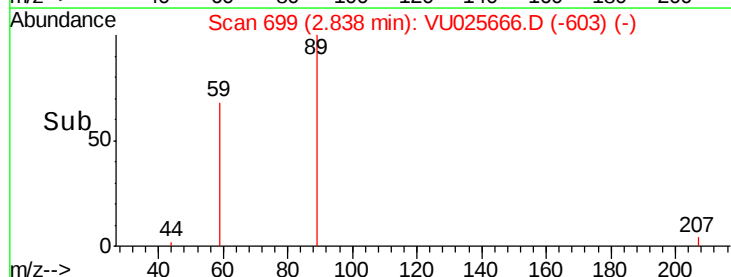
Ion Ratio Lower Upper

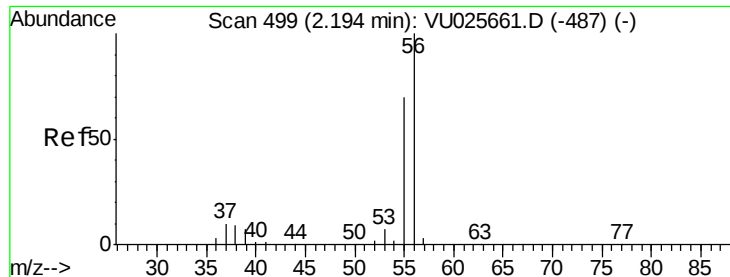
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025666.D (-603) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.22 min Scan# 506

Delta R.T. 0.02 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

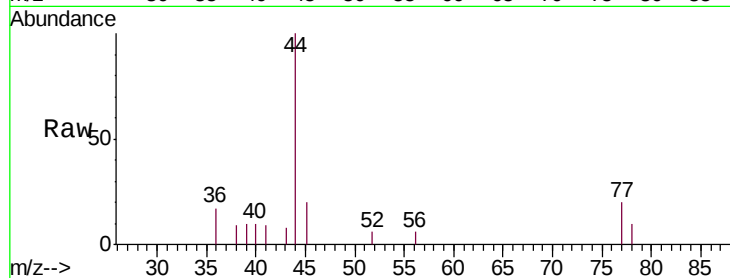
VU0727MBL01

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

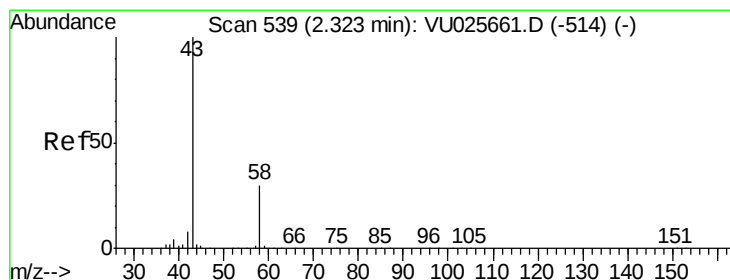
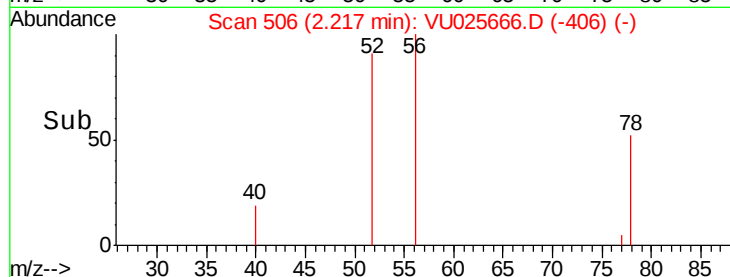
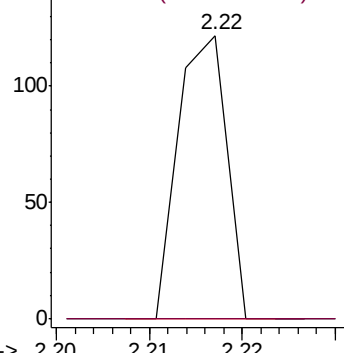
56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.63 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025666.D

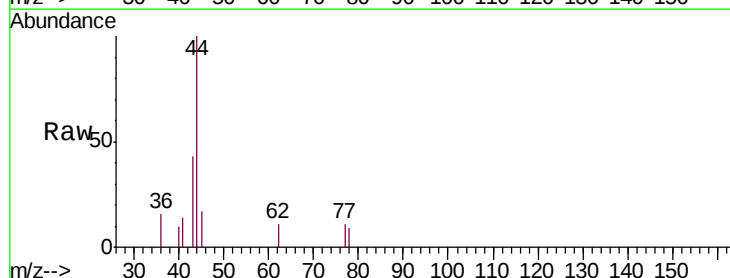
Acq: 27 Jul 2018 14:01

Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

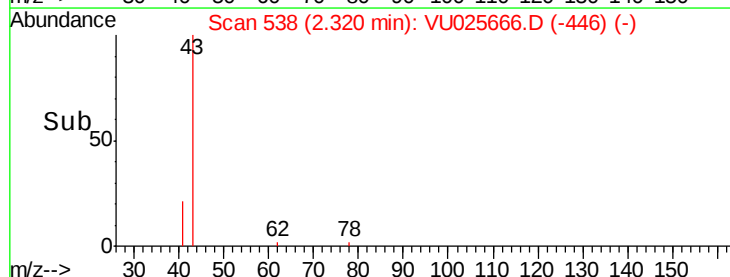
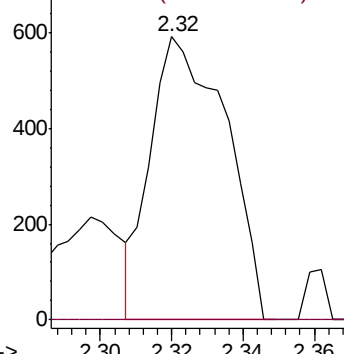
43 100

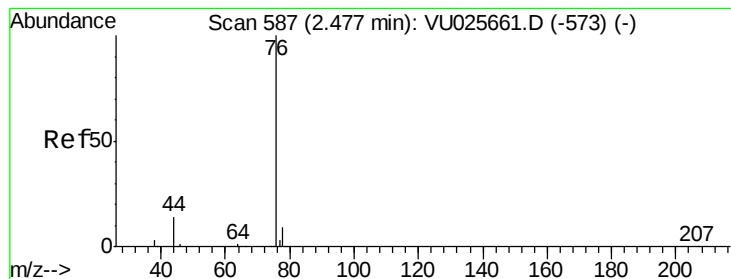
58 0.0 23.1 34.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.53 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

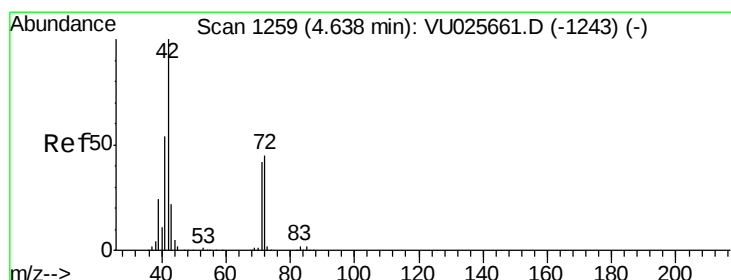
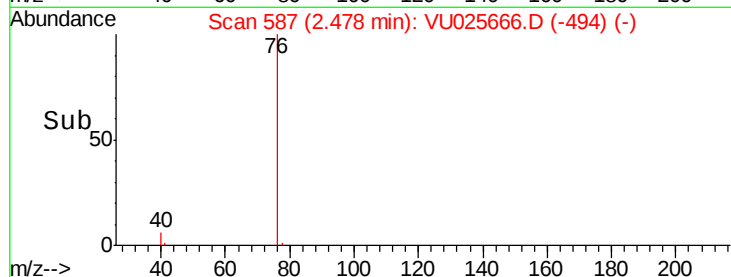
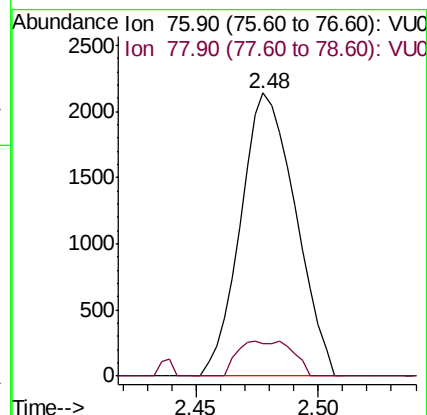
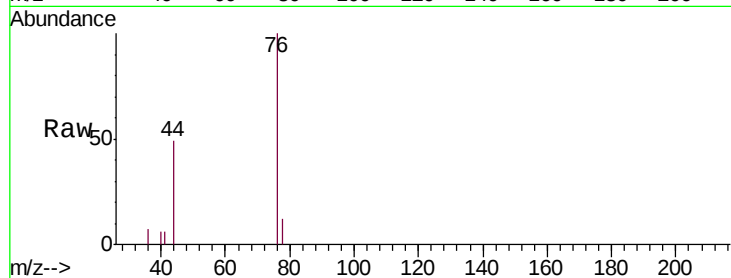
VU0727MBL01

Tot Ion: 76 Resp: 3344

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#



#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 4.66 min Scan# 1265

Delta R.T. 0.02 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

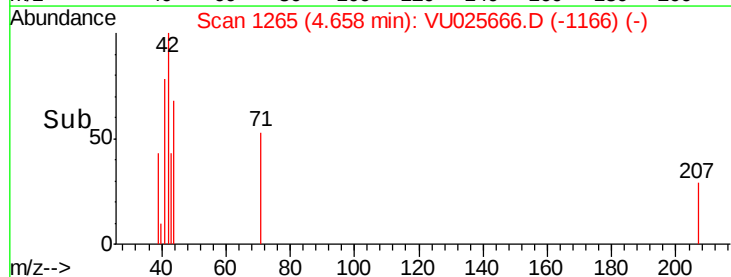
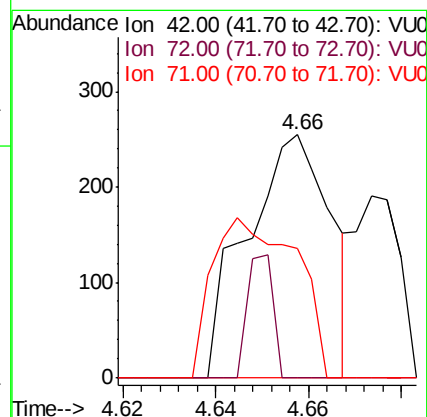
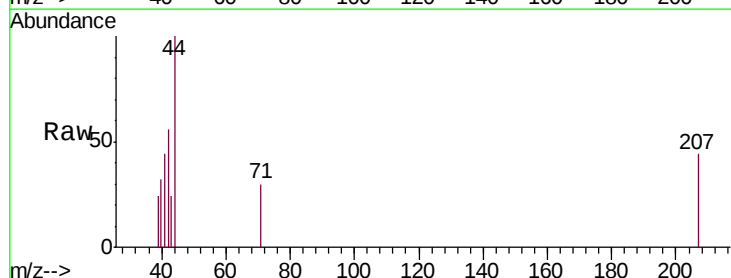
Tgt Ion: 42 Resp: 320

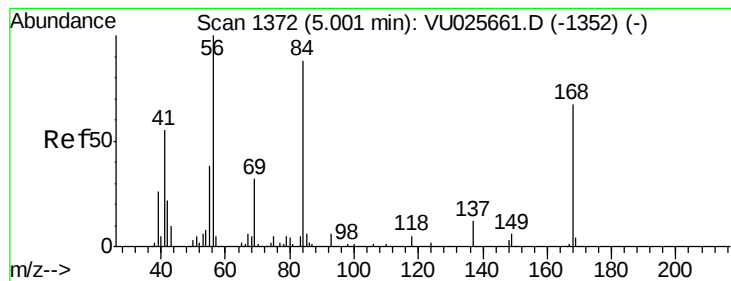
Ion Ratio Lower Upper

42 100

72 15.3 36.7 55.1#

71 65.6 33.9 50.9#





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBL01

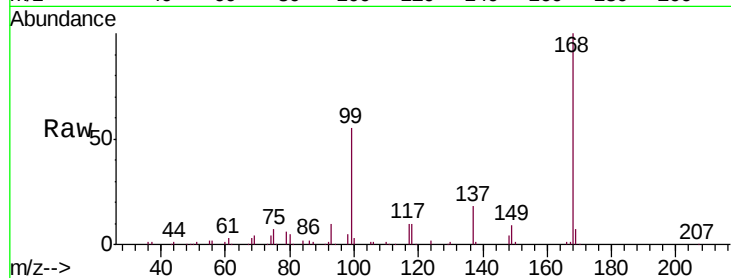
Tot Ion: 56 Resp: 3960

Ion Ratio Lower Upper

56 100

69 174.3 26.8 40.2#

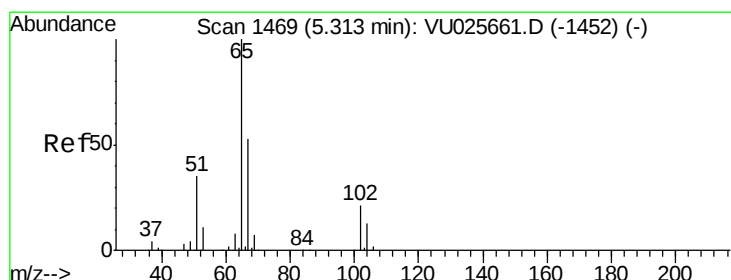
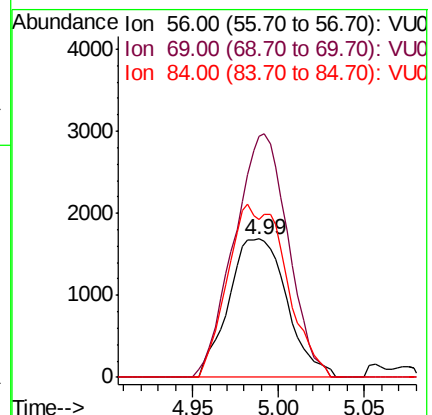
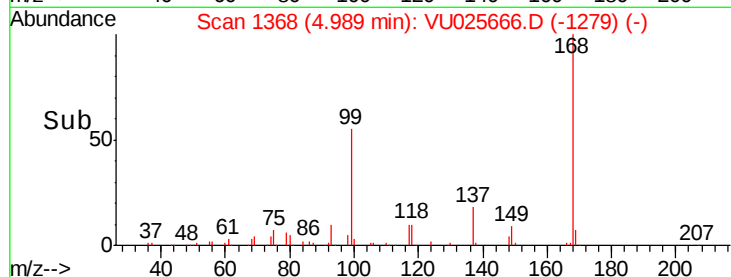
84 113.6 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 50.02 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025666.D

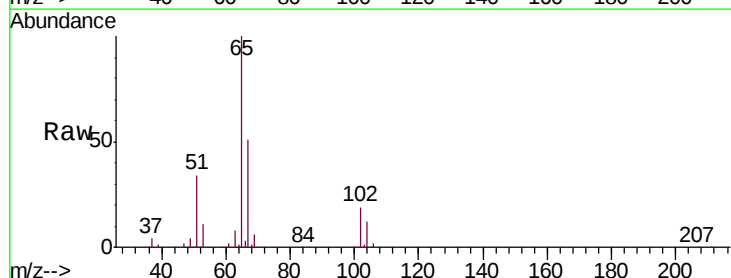
Acq: 27 Jul 2018 14:01

Tgt Ion: 65 Resp: 140201

Ion Ratio Lower Upper

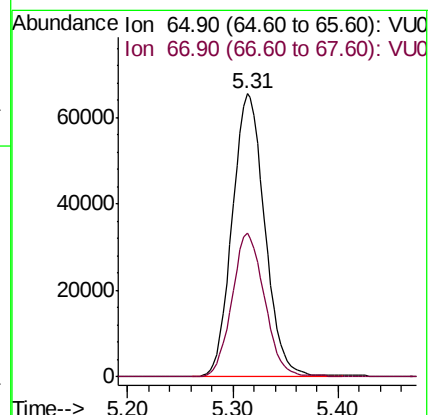
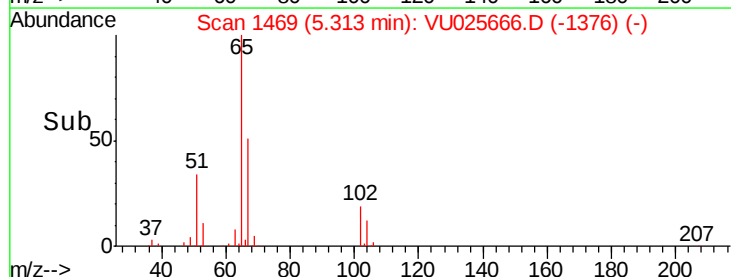
65 100

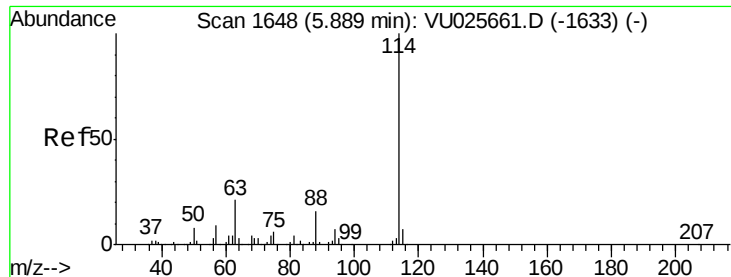
67 50.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

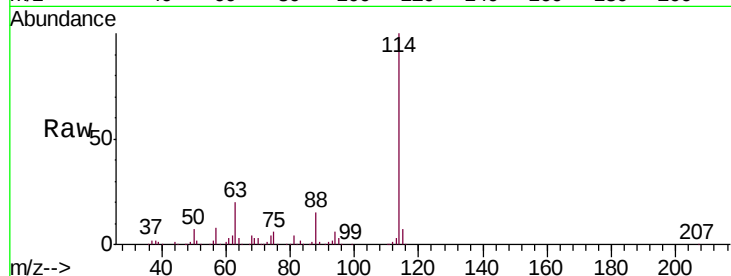




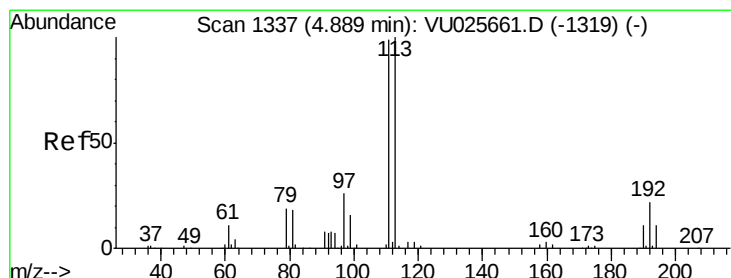
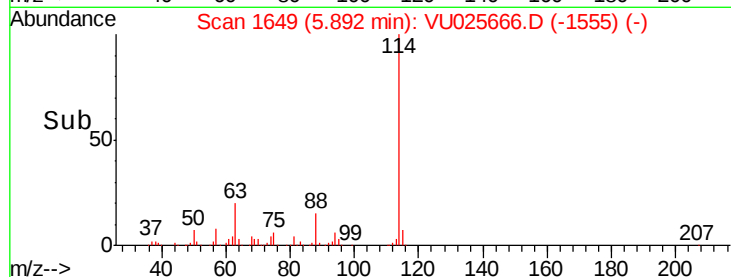
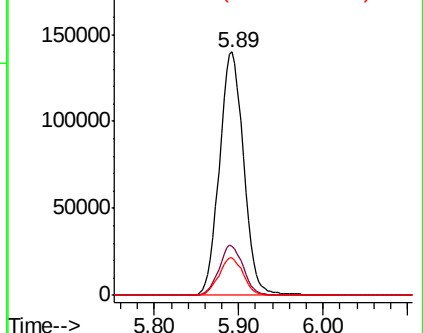
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	15.3	0.0	32.4

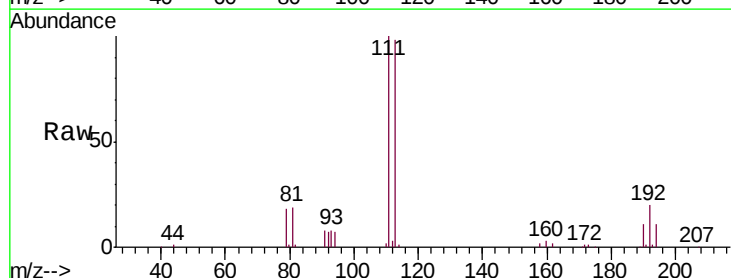


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

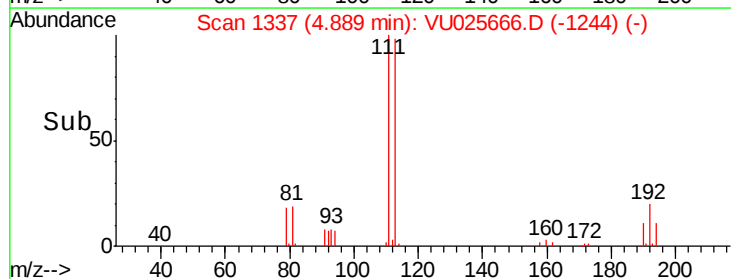
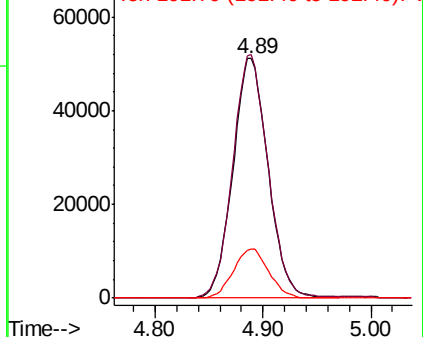


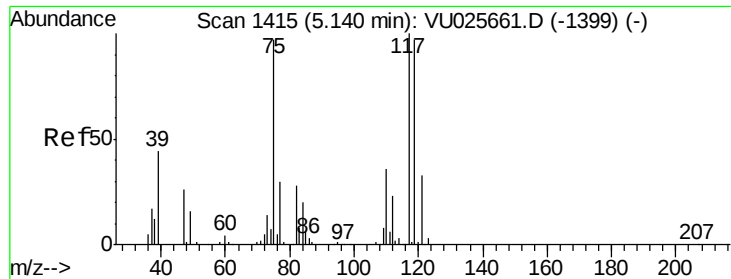
#35
 Dibromofluoromethane
 Concen: 47.87 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.7	122.5
192	20.6	17.1	25.7



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

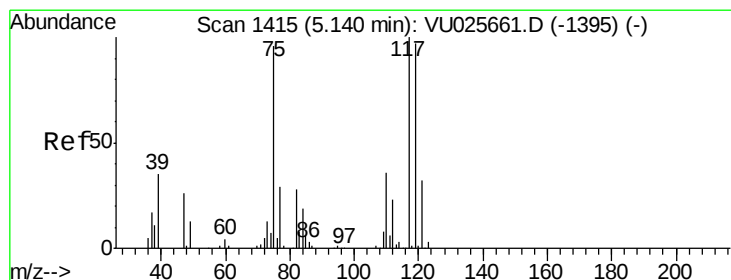
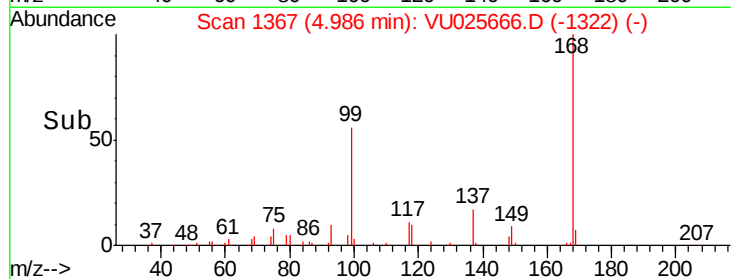
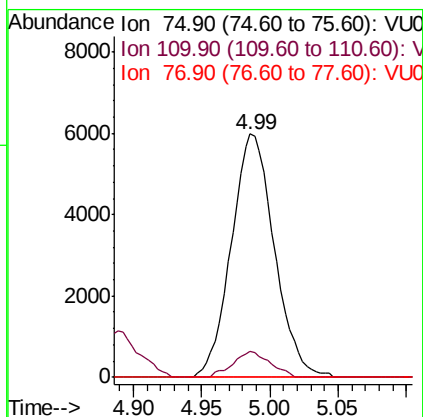
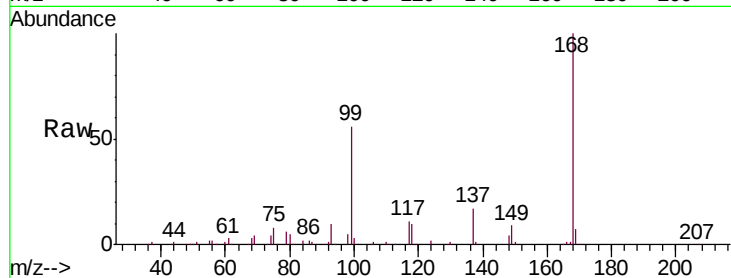




#36
 1,1-Dichloropropene
 Concen: 4.01 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

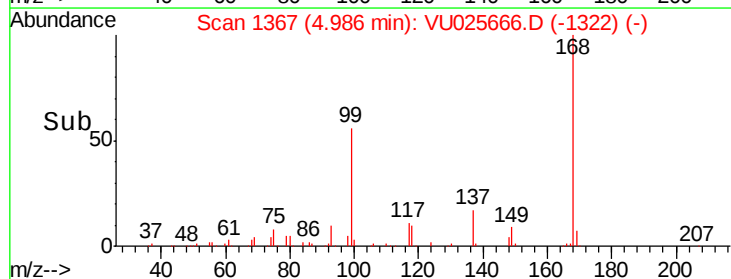
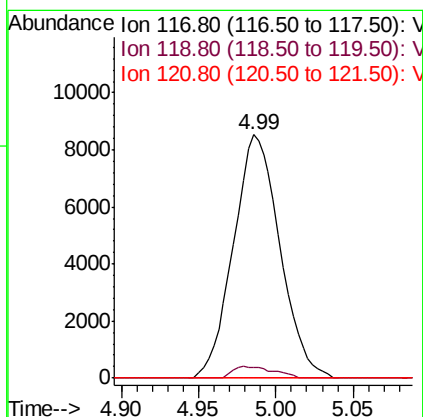
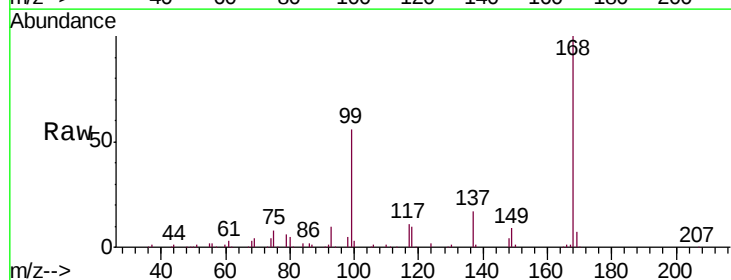
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBL01

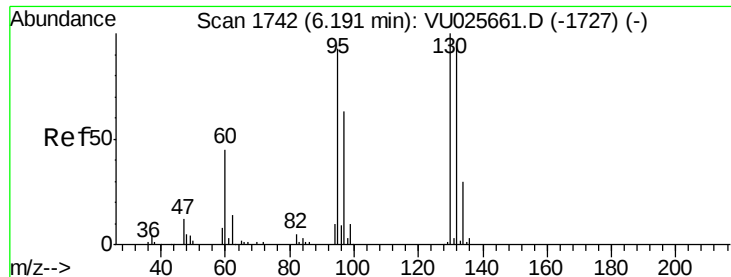
Tot Ion	75	110	77	Resp	Lower	Upper
13090	100	9.2	0.0		17.6	52.9#
					24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.81 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

Tgt Ion	117	119	121	Resp	Lower	Upper
17815	100	4.4	0.0		75.7	113.5#
					24.6	36.8#





#44

Trichloroethene

Concen: 0.20 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

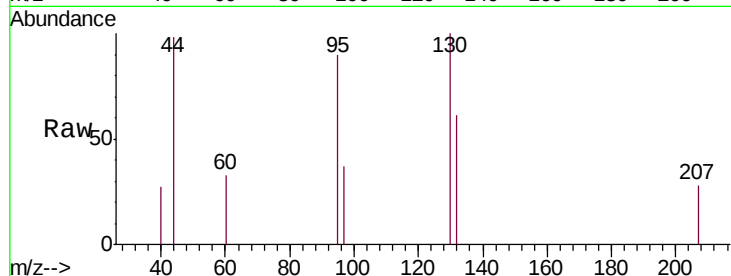
VU0727MBL01

Tot Ion:130 Resp: 545

Ion Ratio Lower Upper

130 100

95 89.9 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025666.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU025666.D (-1649) (-)

6.19

400

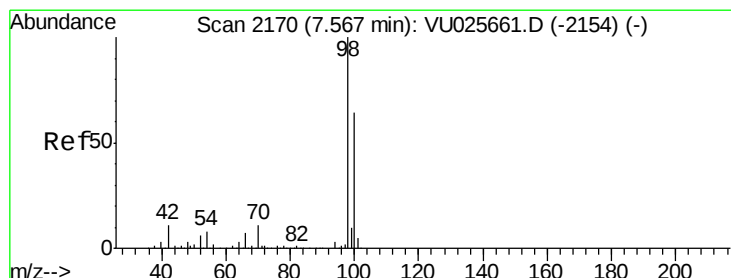
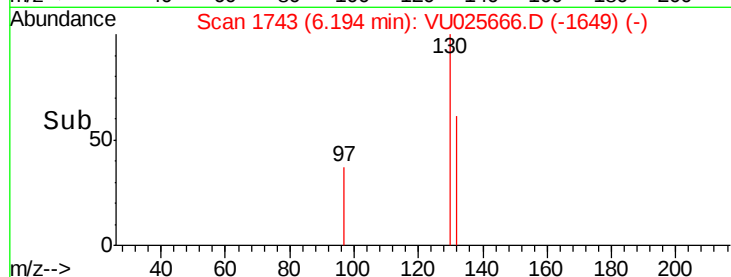
300

200

100

0

Time-->



#50

Toluene-d8

Concen: 46.99 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025666.D

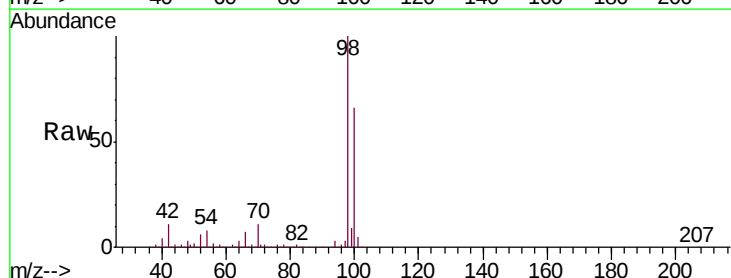
Acq: 27 Jul 2018 14:01

Tgt Ion: 98 Resp: 399923

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025666.D (-2077) (-)

Ion 100.00 (99.70 to 100.70): VU025666.D (-2077) (-)

7.57

250000

200000

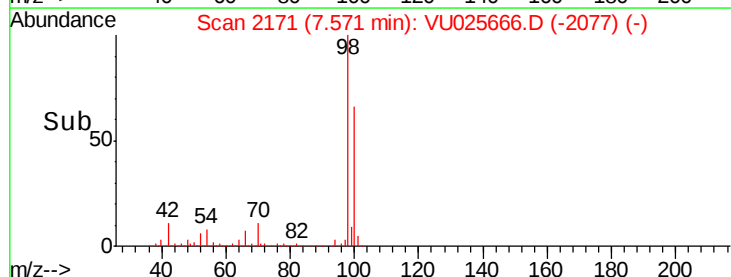
150000

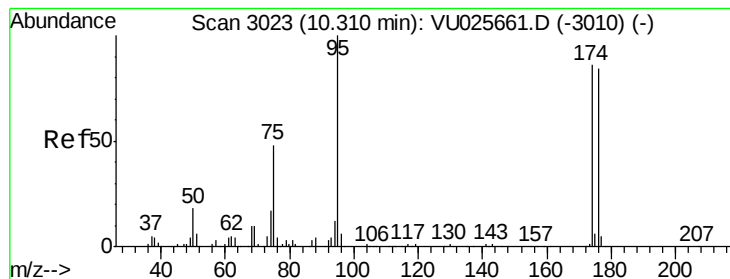
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBL01

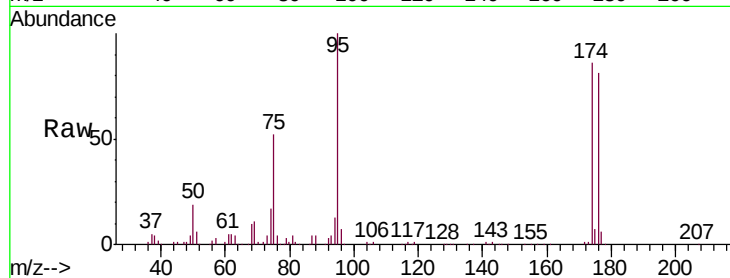
Tot Ion: 95 Resp: 152704

Ion Ratio Lower Upper

95 100

174 87.9 0.0 172.2

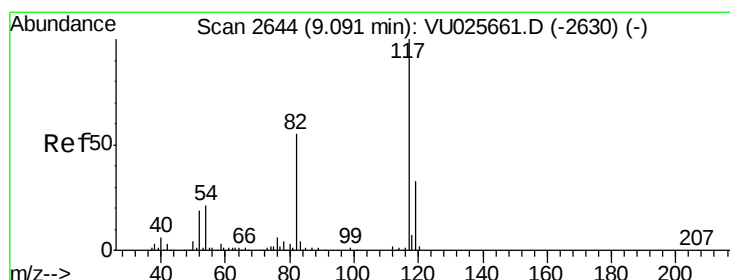
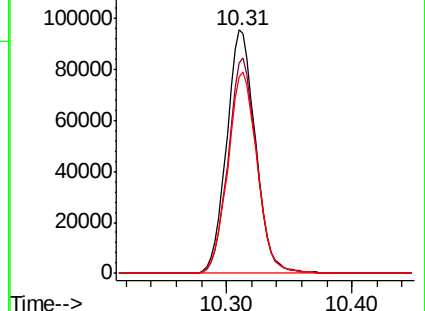
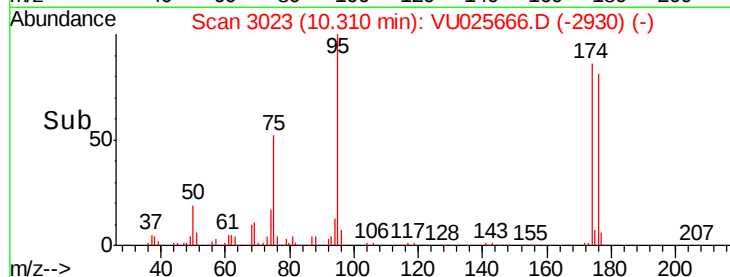
176 84.0 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025666.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025666.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025666.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

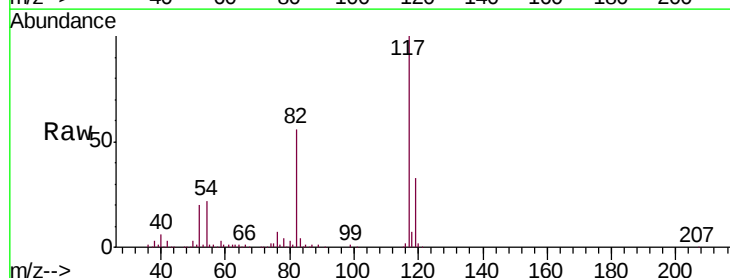
Tgt Ion: 117 Resp: 269612

Ion Ratio Lower Upper

117 100

82 56.1 46.0 69.0

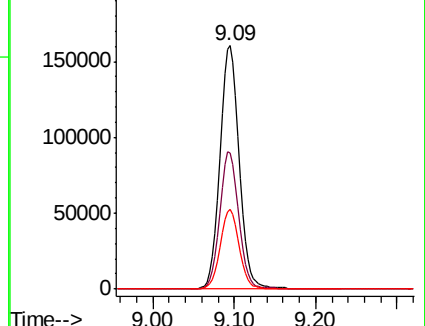
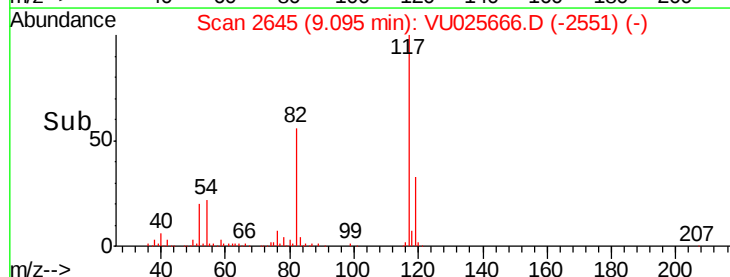
119 32.5 26.0 39.0

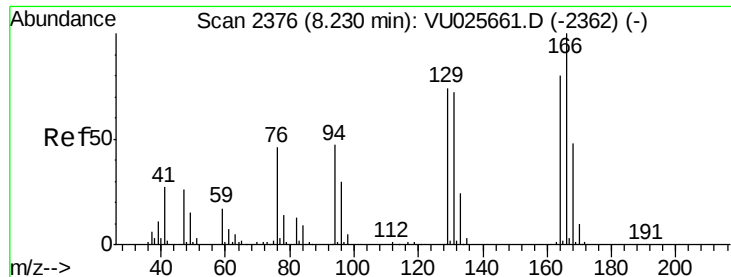


Abundance Ion 116.90 (116.60 to 117.60): VU025666.D (-2551) (-)

Ion 82.00 (81.70 to 82.70): VU025666.D (-2551) (-)

Ion 118.90 (118.60 to 119.60): VU025666.D (-2551) (-)





#64

Tetrachloroethene

Concen: 0.22 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBL01

Tot Ion:164 Resp: 511

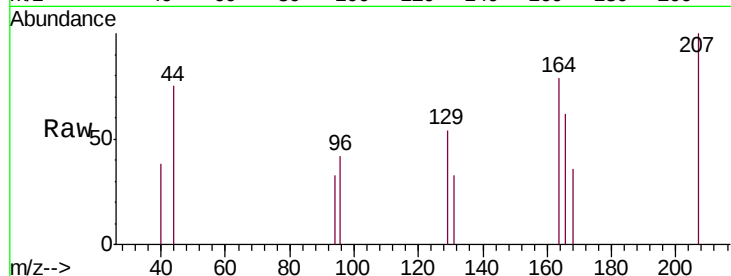
Ion Ratio Lower Upper

164 100

166 78.6 101.1 151.7#

129 68.4 73.0 109.6#

131 42.6 72.1 108.1#



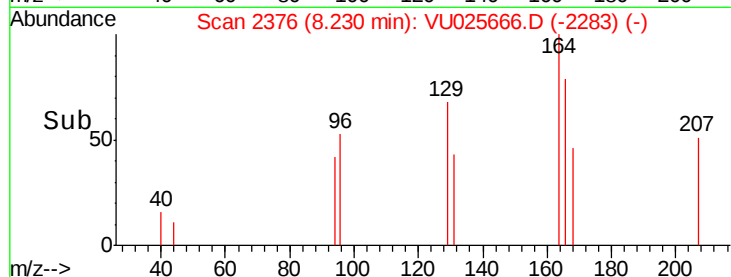
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

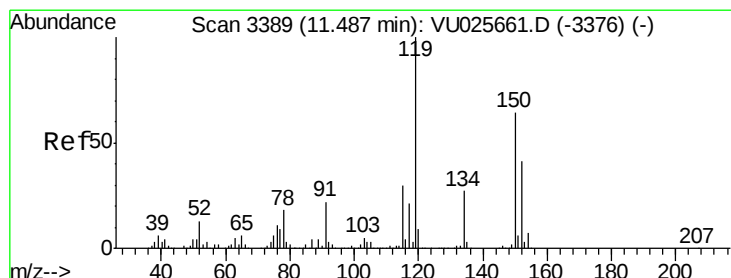
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

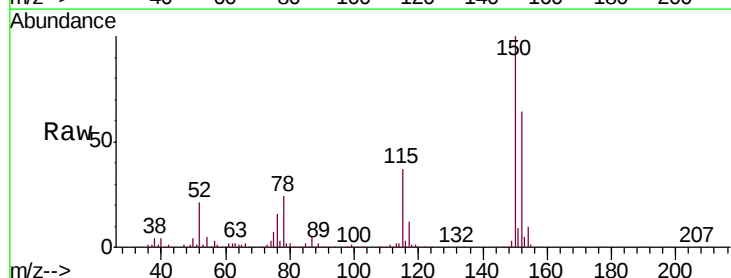
Tgt Ion:152 Resp: 159591

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

150 158.0 0.0 351.4

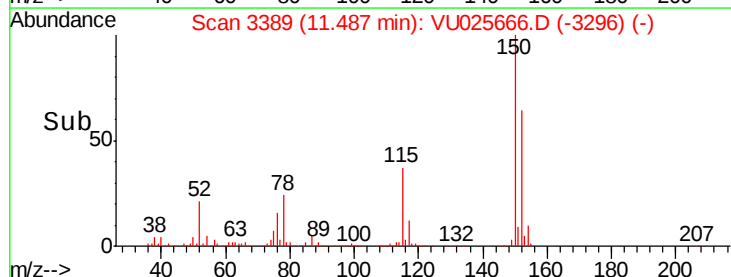


Abundance Ion 151.90 (151.60 to 152.60): V

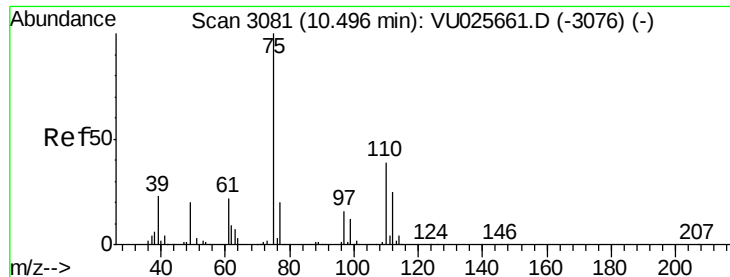
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->



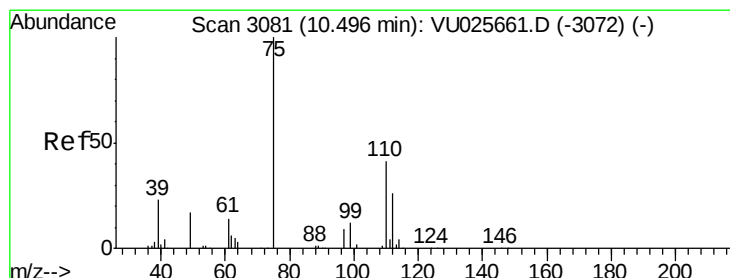
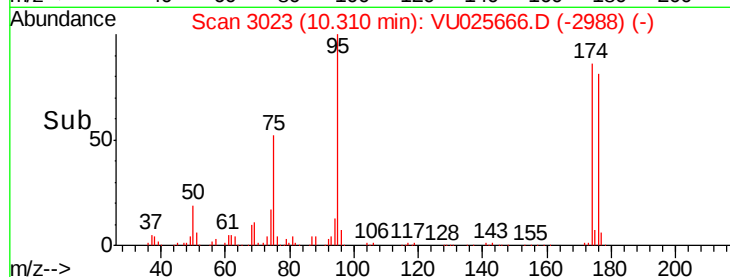
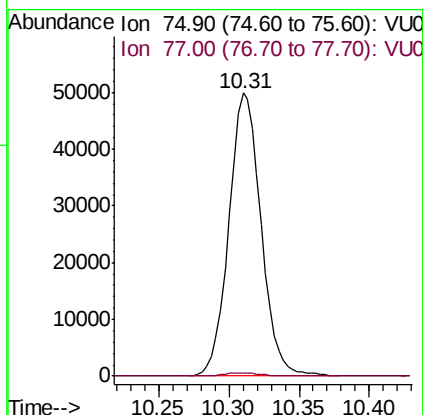
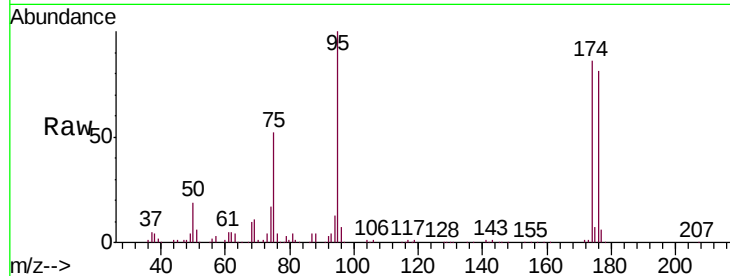
Time-->



#76
 1,2,3-Trichloropropane
 Concen: 22.64 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

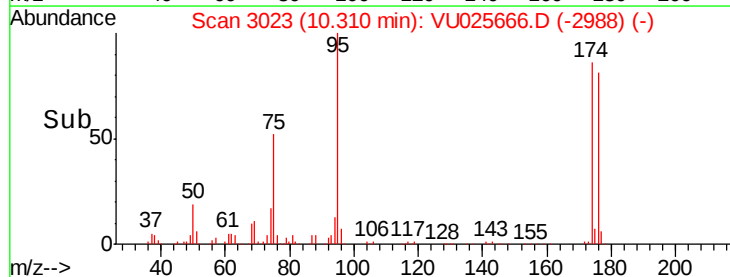
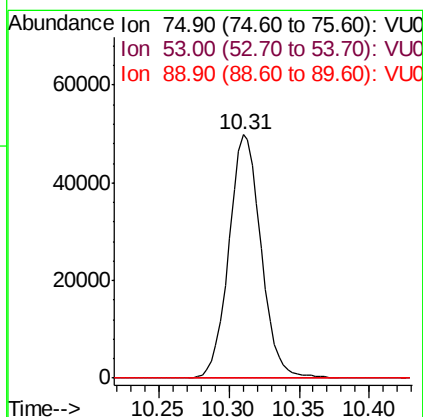
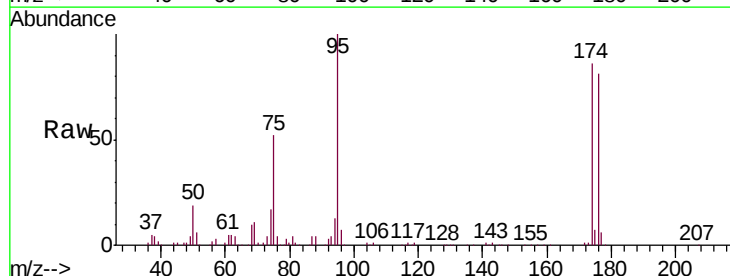
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBL01

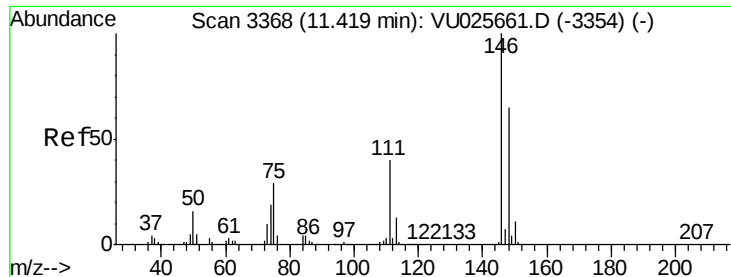
Tot Ion: 75 Resp: 79623
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.78 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

Tgt Ion: 75 Resp: 79623
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#87

1,3-Dichlorobenzene

Concen: 0.21 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBL01

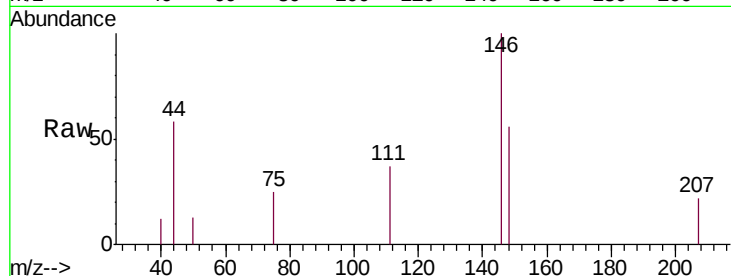
Tot Ion:146 Resp: 1178

Ion Ratio Lower Upper

146 100

111 42.1 19.7 59.1

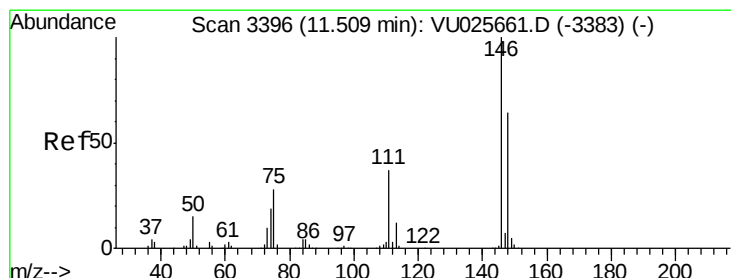
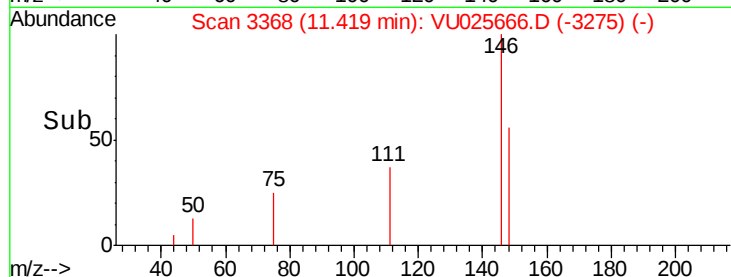
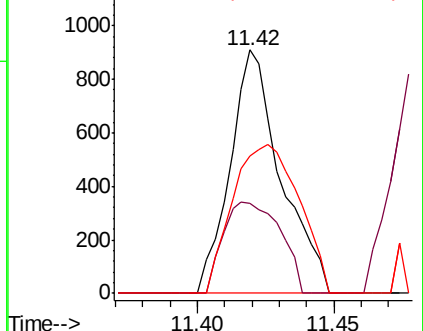
148 80.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 0.20 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

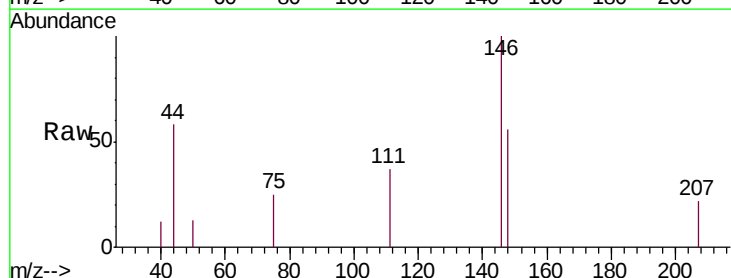
Tgt Ion:146 Resp: 1178

Ion Ratio Lower Upper

146 100

111 42.1 19.4 58.1

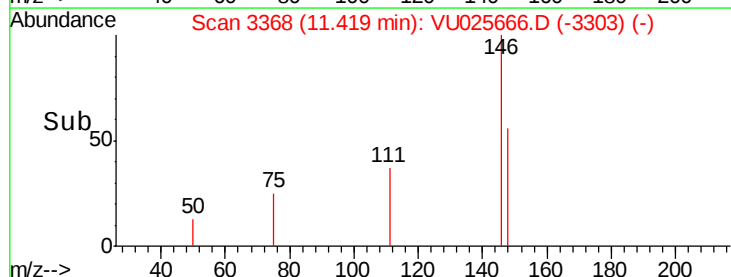
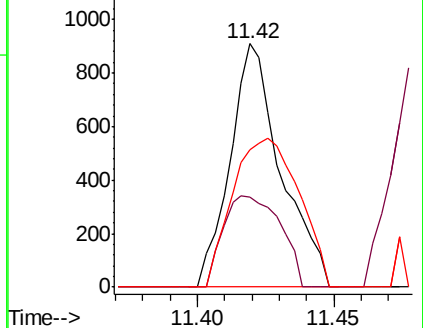
148 80.1 31.7 95.1

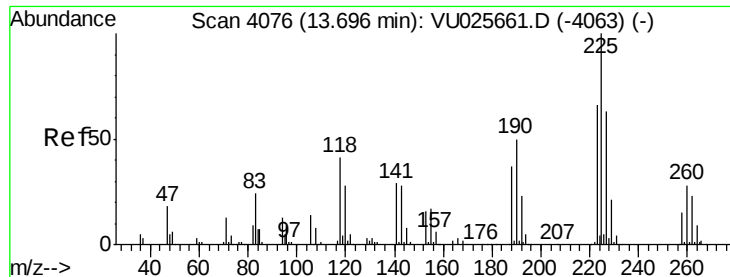


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.25 ug/l

RT: 13.70 min Scan# 4078

Delta R.T. 0.01 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBL01

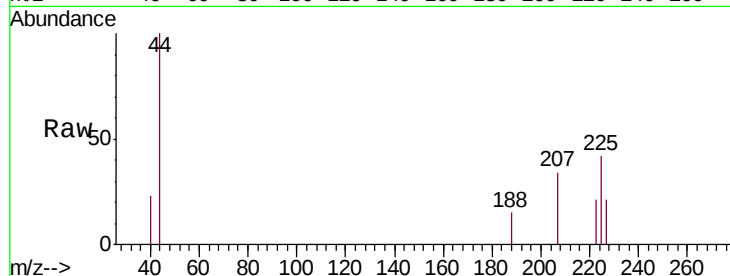
Tot Ion:225 Resp: 494

Ion Ratio Lower Upper

225 100

223 44.3 31.9 95.7

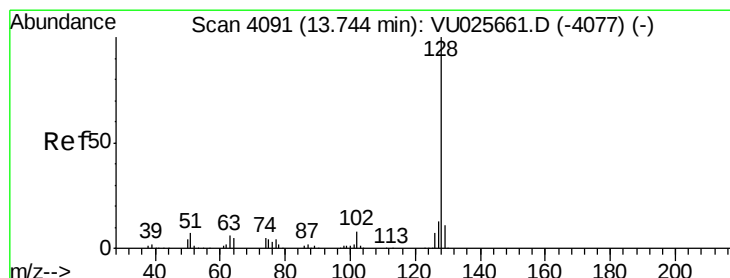
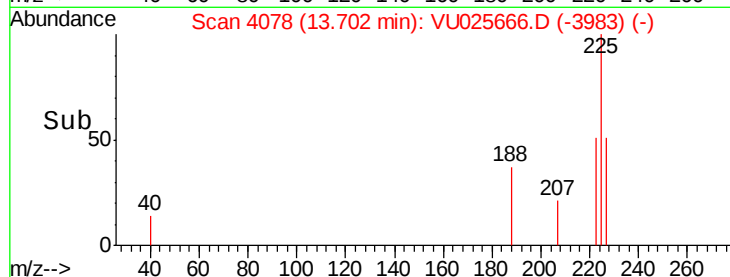
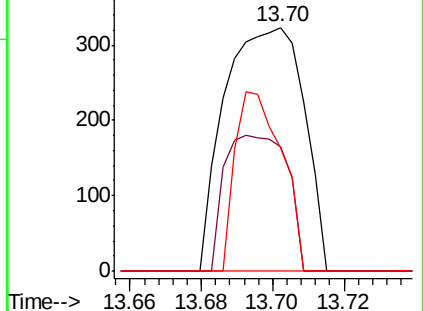
227 43.5 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.45 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025666.D

Acq: 27 Jul 2018 14:01

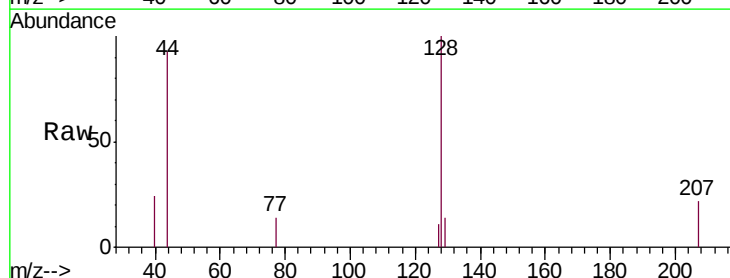
Tgt Ion:128 Resp: 2379

Ion Ratio Lower Upper

128 100

127 6.7 10.5 15.7#

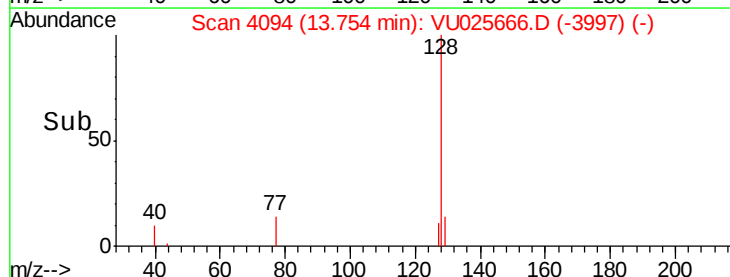
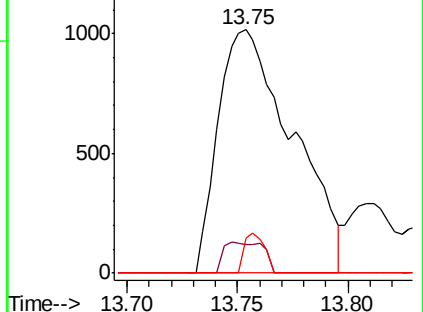
129 4.5 8.3 12.5#

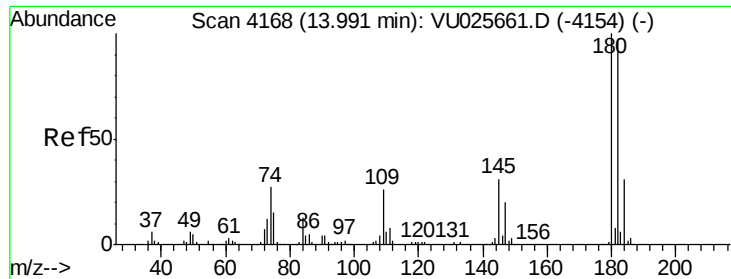


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.00 min
 Lab File: VU025666.D
 Acq: 27 Jul 2018 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBL01

Tot Ion:180 Resp: 974
 Ion Ratio Lower Upper
 180 100
 182 100.1 47.8 143.3
 145 13.2 15.6 46.8#

