

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025695.D
 Acq On : 28 Jul 2018 02:15
 Operator : MD/SY
 Sample : J4073-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-071618

Quant Time: Jul 28 05:31:49 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	173755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274317	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133257	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	4.89	113	112322	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	7.57	98	397783	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	10.31	95	152072	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

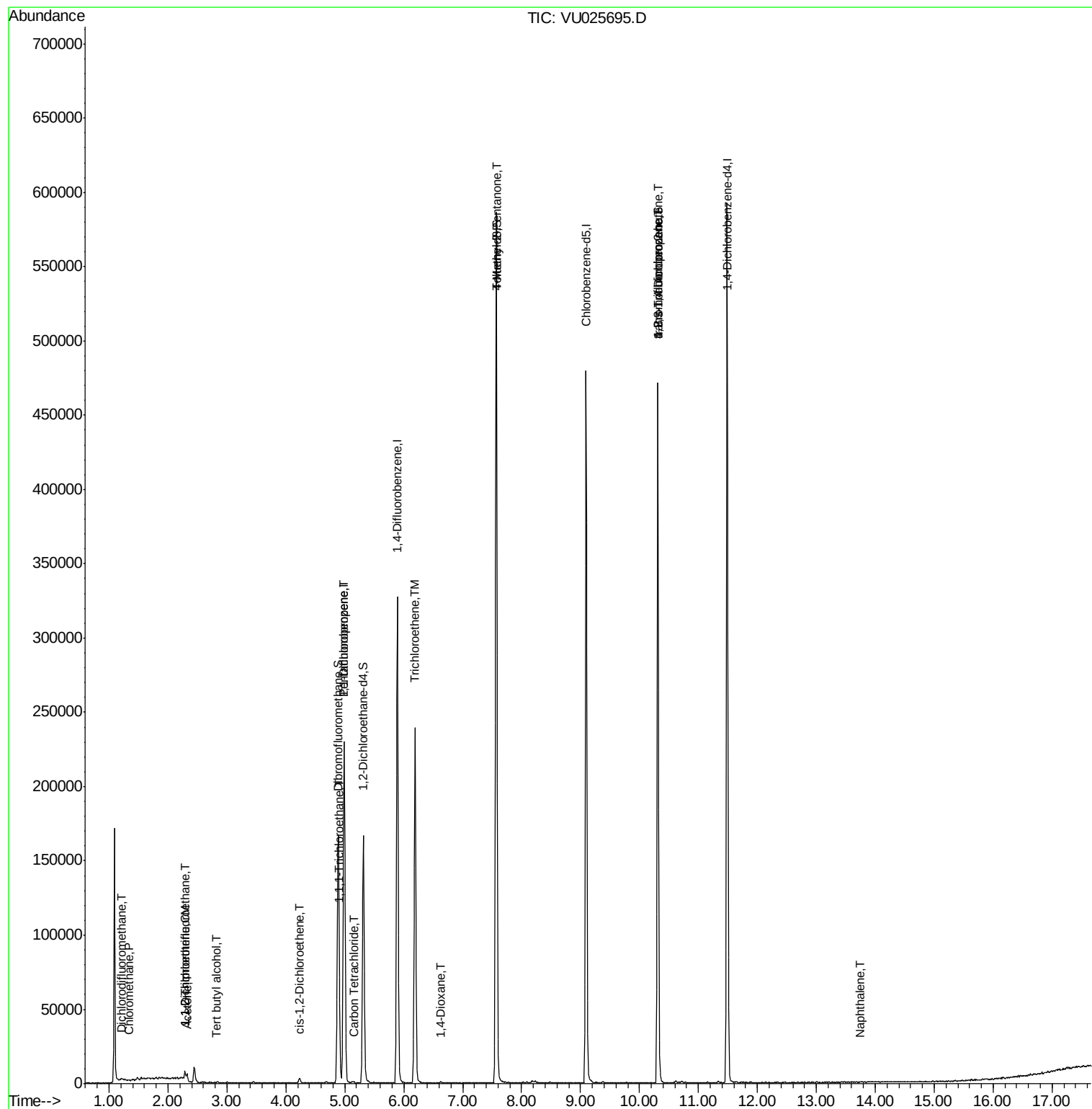
						Qvalue
2) Dichlorodifluoromethane	1.21	85	612	0.23	ug/l	84
3) Chloromethane	1.33	50	582	0.23	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1874	0.95	ug/l	97
11) Tert butyl alcohol	2.83	59	301	0.51	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	538	0.29	ug/l	94
16) Acetone	2.32	43	4785	3.63	ug/l #	79
27) cis-1,2-Dichloroethene	4.23	96	961	0.40	ug/l	26
31) Cyclohexane	4.99	56	3282	Below Cal	#	17
32) 1,1,1-Trichloroethane	4.91	97	982	0.26	ug/l #	39
36) 1,1-Dichloropropene	4.99	75	12578	3.92	ug/l #	50
38) Carbon Tetrachloride	5.14	117	976	0.27	ug/l	91
44) Trichloroethene	6.19	130	84821	32.50	ug/l	96
49) 1,4-Dioxane	6.62	88	533	8.14	ug/l #	72
51) 4-Methyl-2-Pentanone	7.57	43	1652	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	79288	22.60	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79288	56.67	ug/l #	100
95) Naphthalene	13.75	128	65	1.26	ug/l #	69

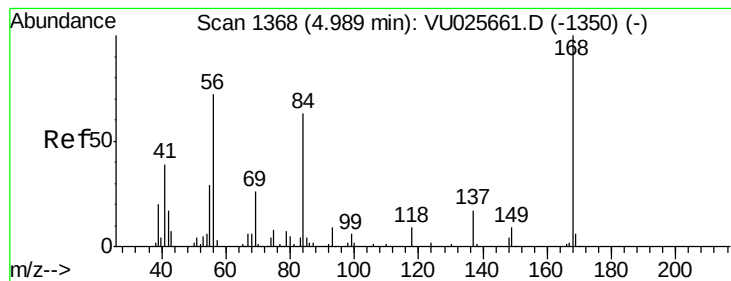
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

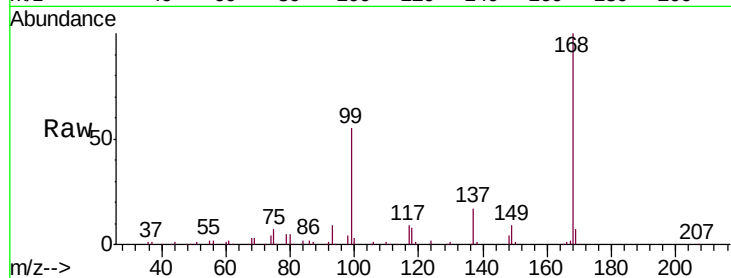
RE109D3-071618

Tot Ion:168 Resp: 173755

Ion Ratio Lower Upper

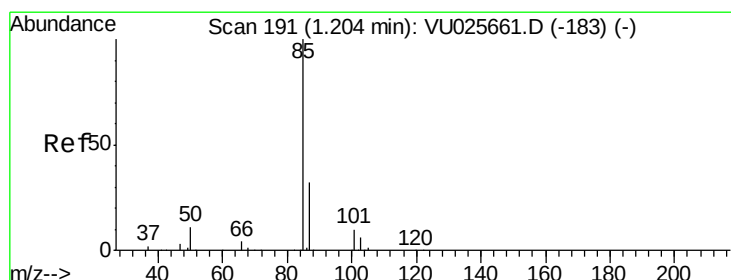
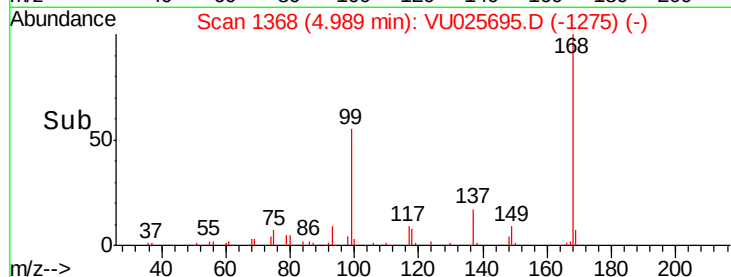
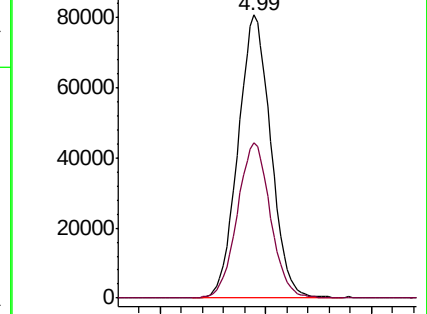
168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 0.23 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025695.D

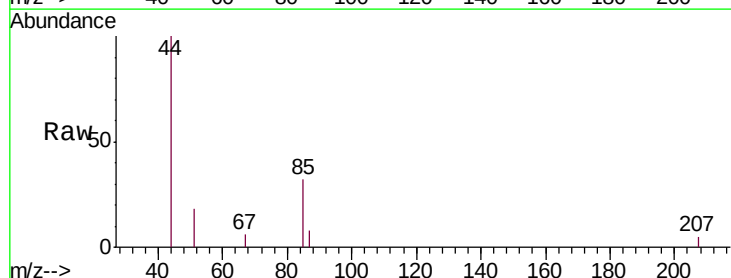
Acq: 28 Jul 2018 02:15

Tgt Ion: 85 Resp: 612

Ion Ratio Lower Upper

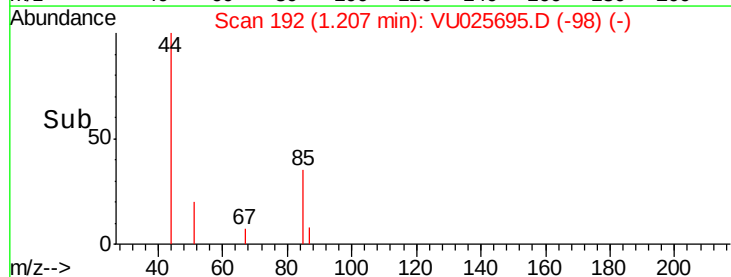
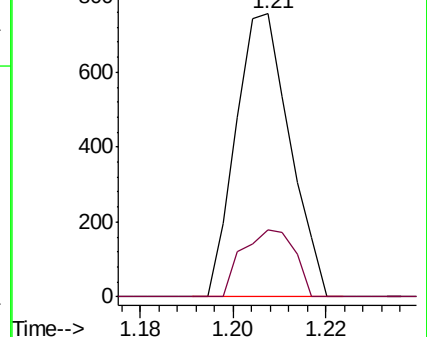
85 100

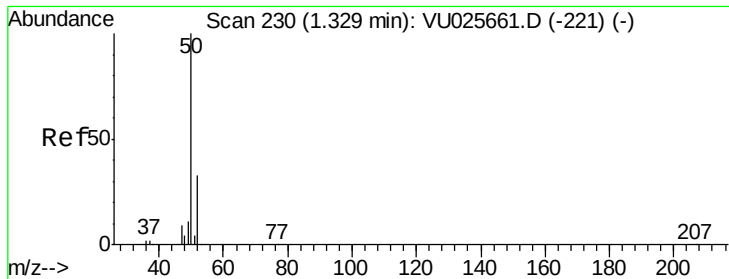
87 23.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)





#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

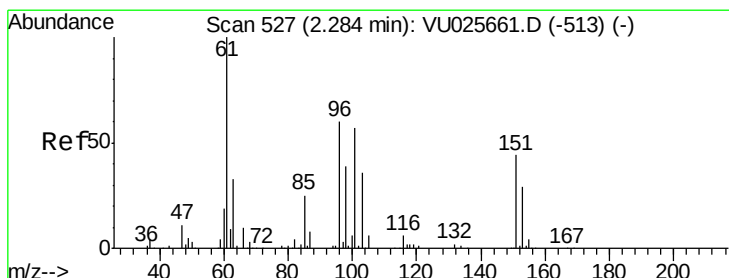
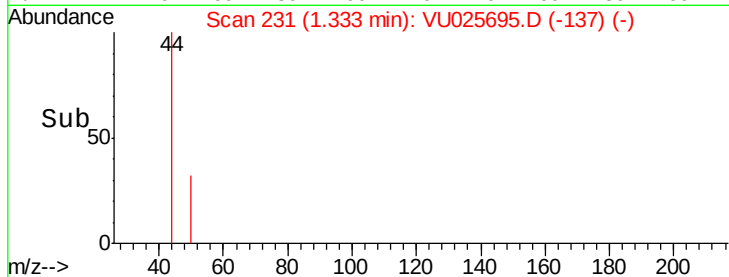
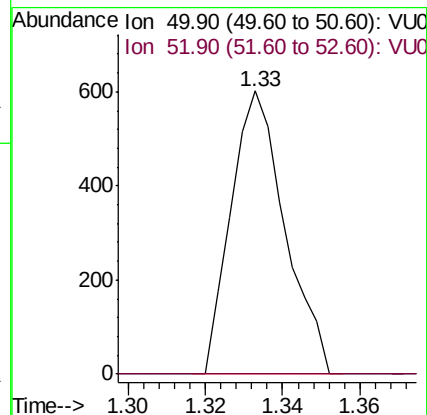
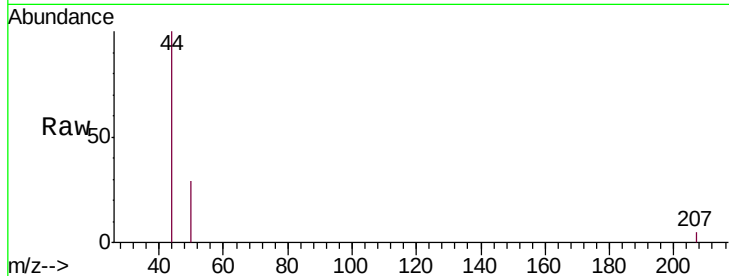
RE109D3-071618

Tot Ion: 50 Resp: 582

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.95 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

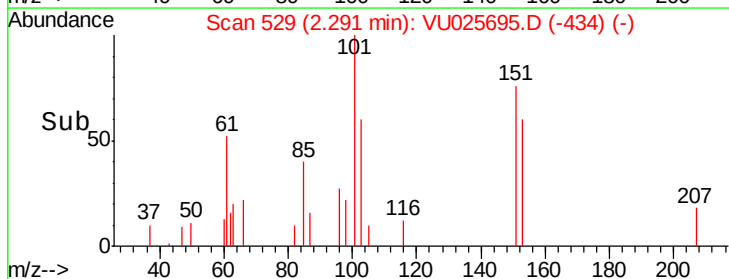
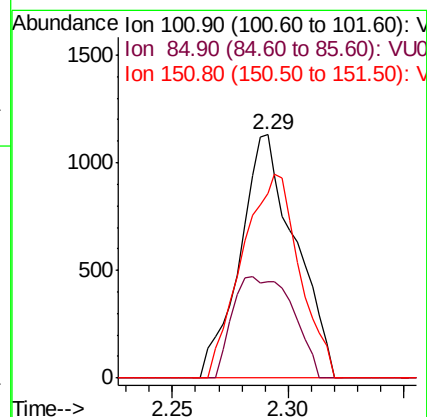
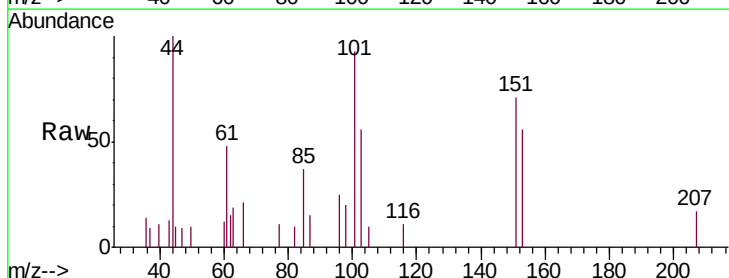
Tgt Ion: 101 Resp: 1874

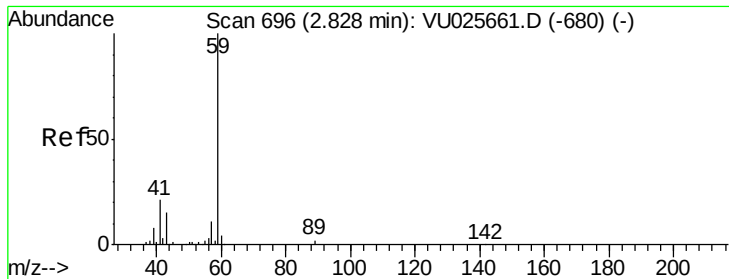
Ion Ratio Lower Upper

101 100

85 45.2 36.0 54.0

151 86.6 65.6 98.4

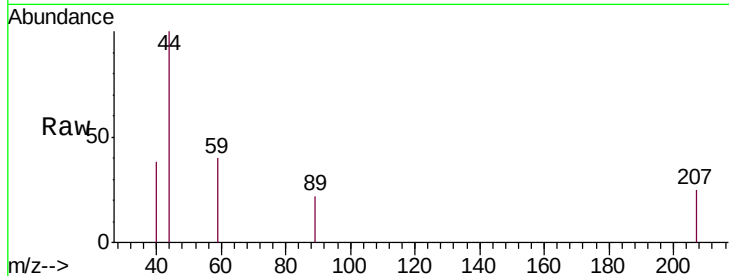




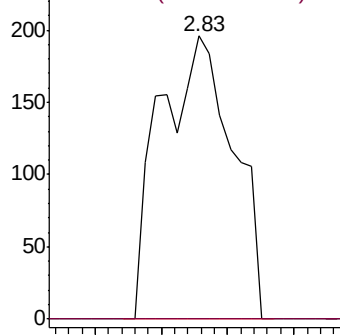
#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025695.D
Acq: 28 Jul 2018 02:15

Instrument :
MSVOA_U
ClientSampleId :
RE109D3-071618

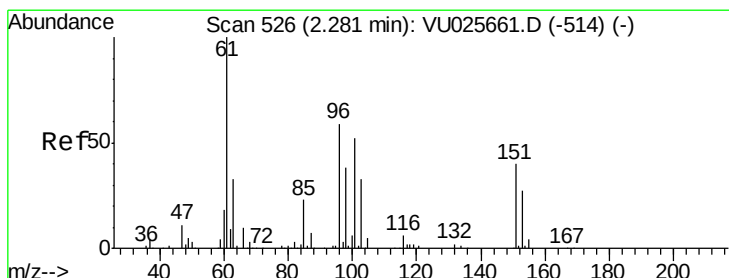
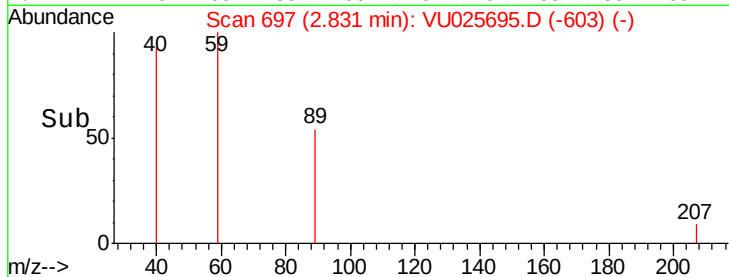
Tot Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

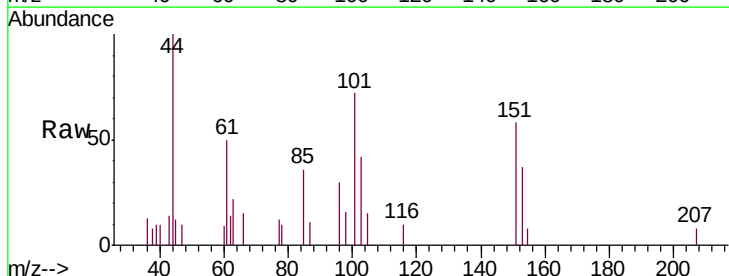


Time--> 2.80 2.82 2.84 2.86

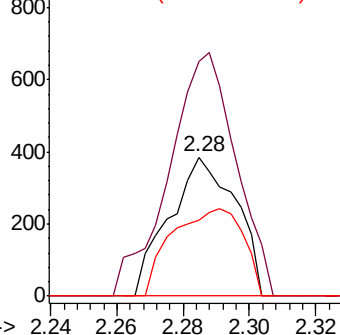


#12
1,1-Dichloroethene
Concen: 0.29 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025695.D
Acq: 28 Jul 2018 02:15

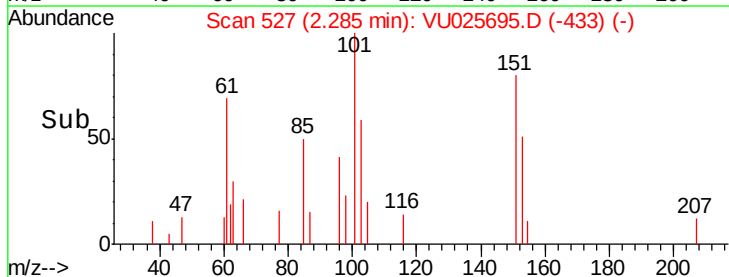
Tgt Ion: 96 Resp: 538
Ion Ratio Lower Upper
96 100
61 168.9 140.2 210.4
98 54.9 49.3 73.9

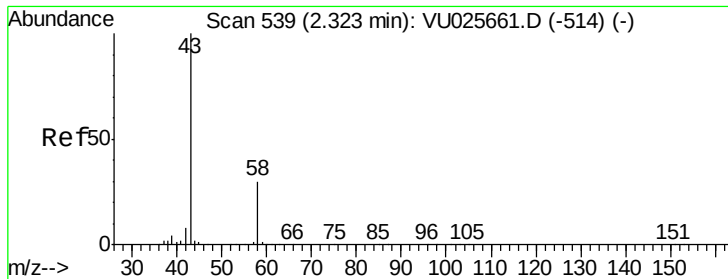


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



Time--> 2.24 2.26 2.28 2.30 2.32





#16

Acetone

Concen: 3.63 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

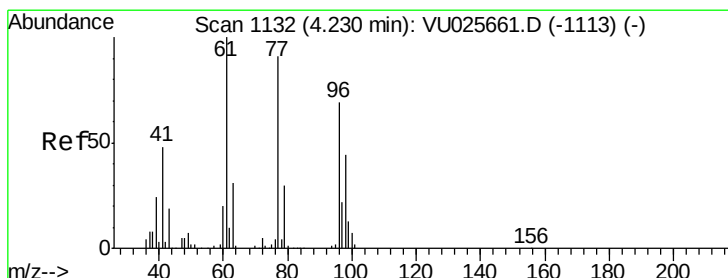
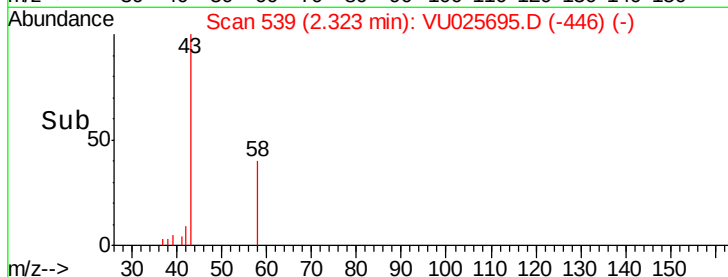
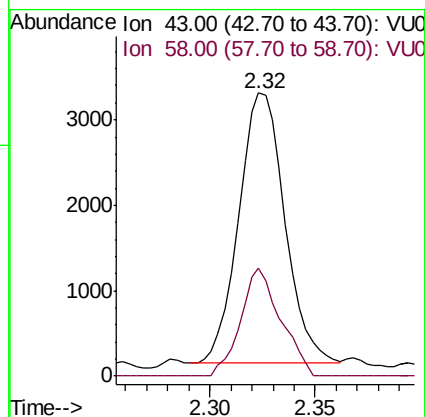
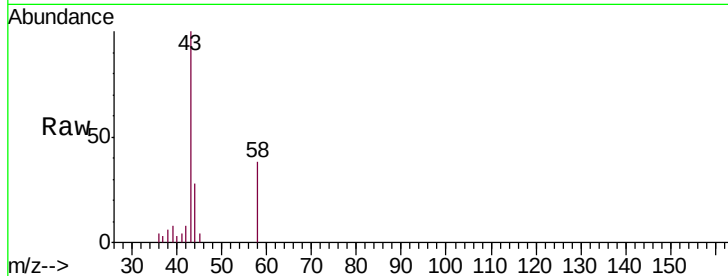
RE109D3-071618

Tot Ion: 43 Resp: 4785

Ion Ratio Lower Upper

43 100

58 40.2 23.1 34.7#



#27

cis-1,2-Dichloroethene

Concen: 0.40 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

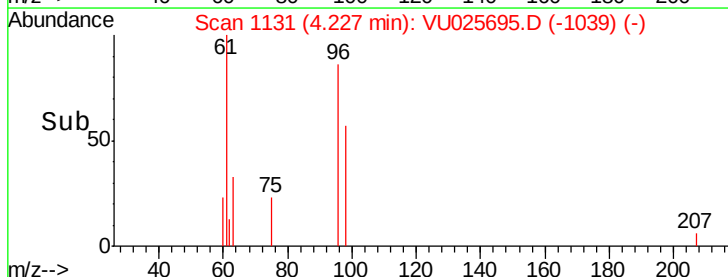
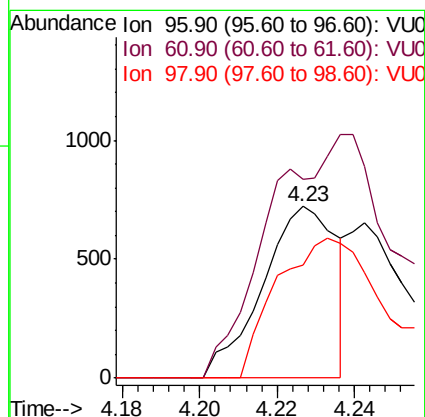
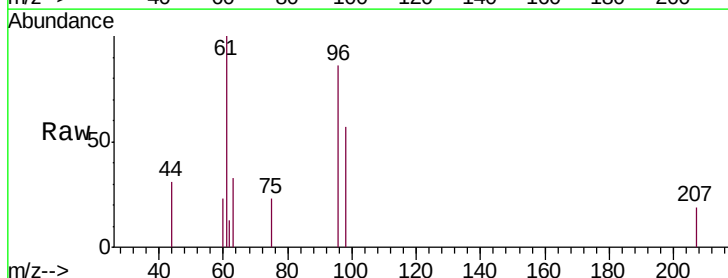
Tgt Ion: 96 Resp: 961

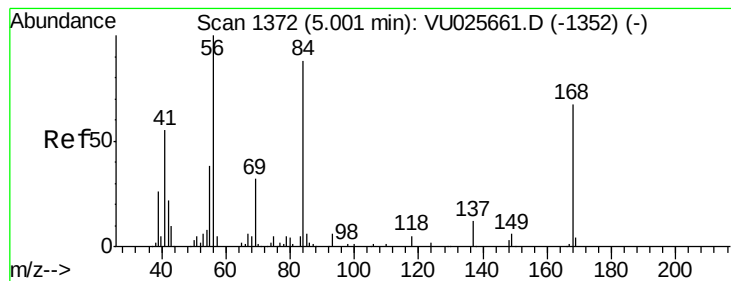
Ion Ratio Lower Upper

96 100

61 245.9 0.0 299.8

98 118.5 0.0 128.6





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

RE109D3-071618

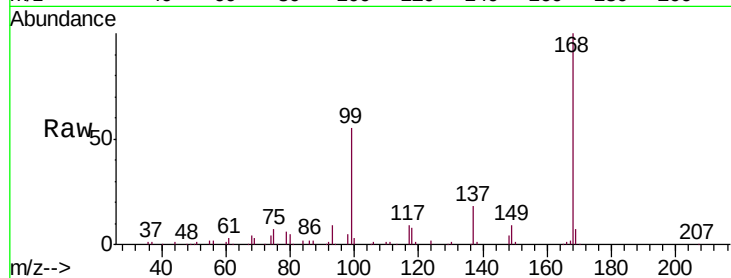
Tot Ion: 56 Resp: 3282

Ion Ratio Lower Upper

56 100

69 160.2 26.8 40.2#

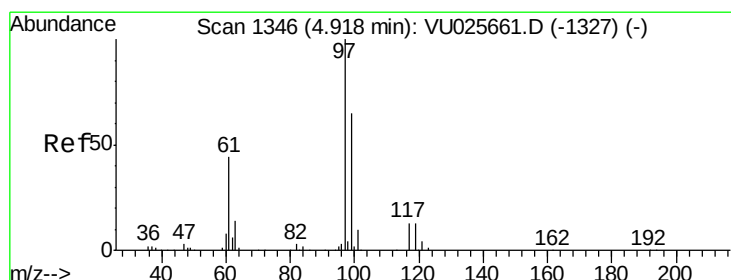
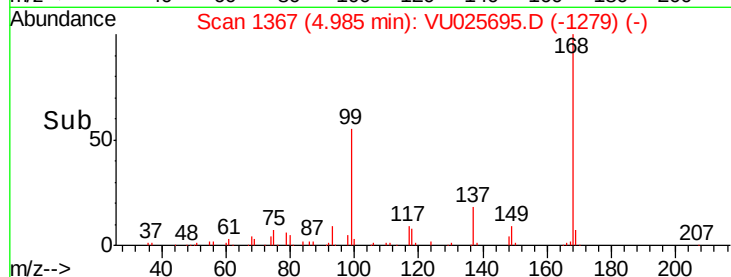
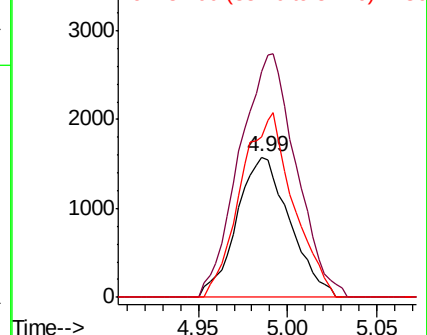
84 114.4 69.7 104.5#



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



#32

1,1,1-Trichloroethane

Concen: 0.26 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

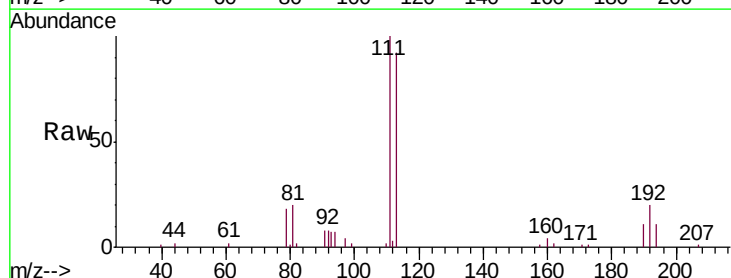
Tgt Ion: 97 Resp: 982

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

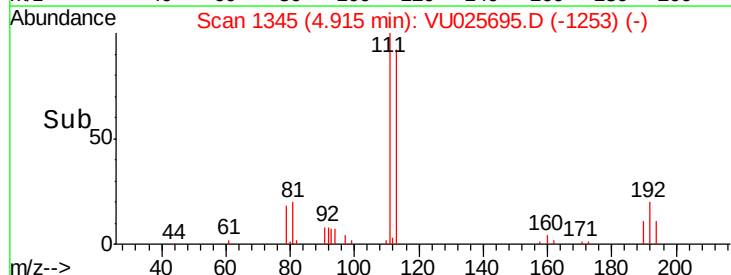
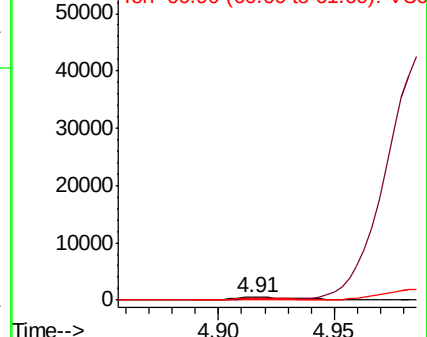
61 24.1 35.2 52.8#

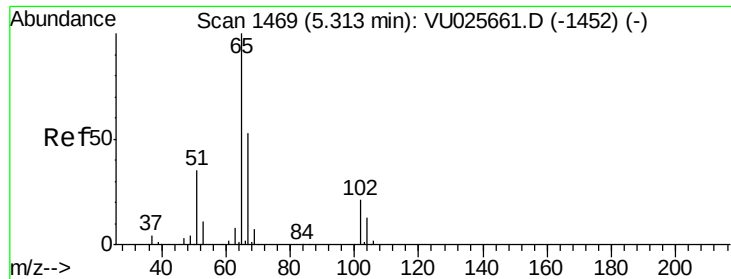


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

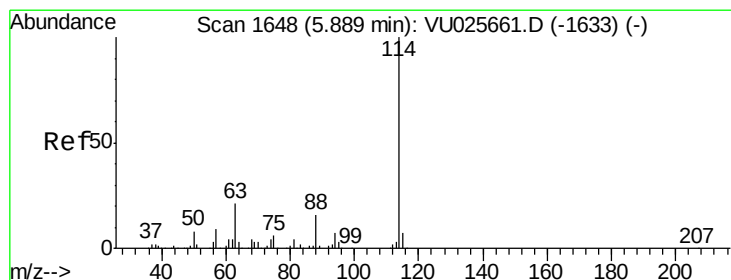
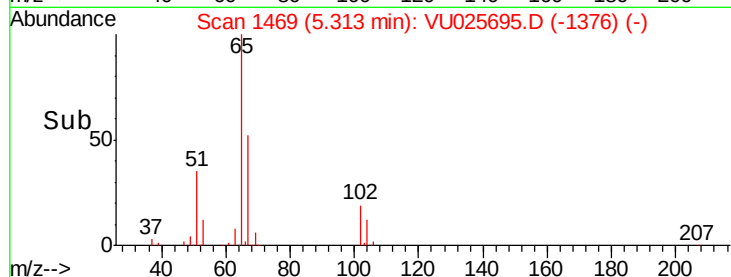
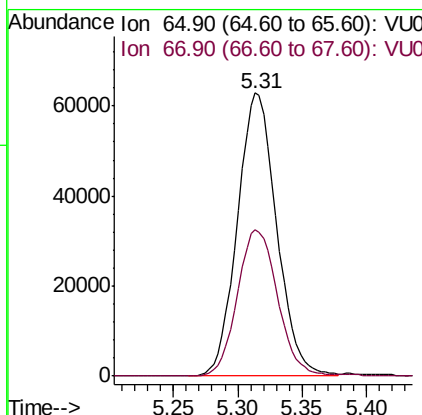
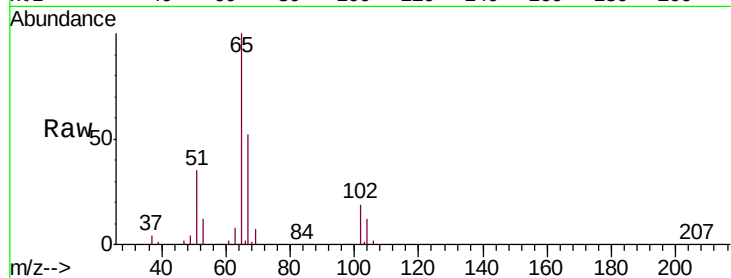




#33
 1,2-Dichloroethane-d4
 Concen: 49.22 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

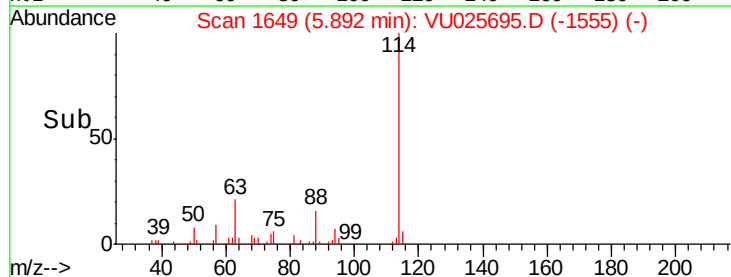
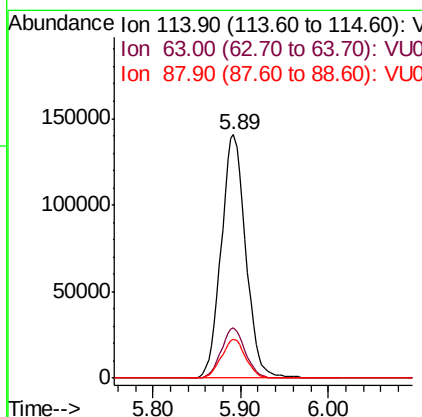
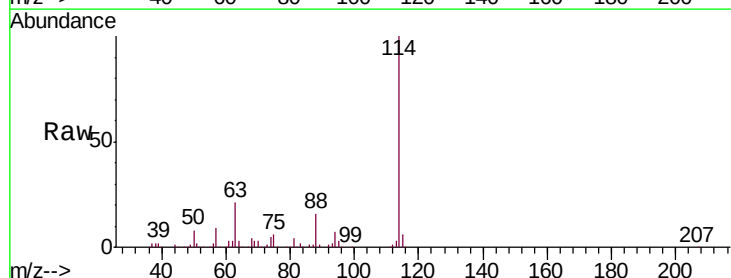
Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-071618

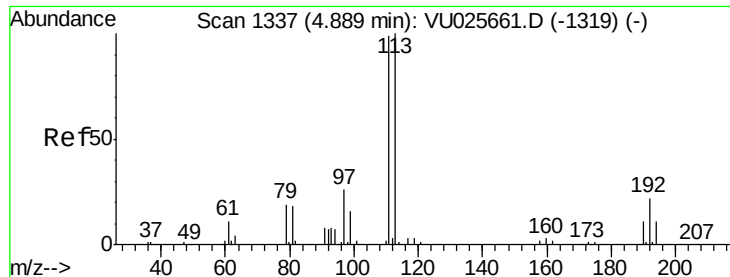
Tot Ion: 65 Resp: 133257
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

Tgt Ion: 114 Resp: 274317
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.6
 88 15.7 0.0 32.4

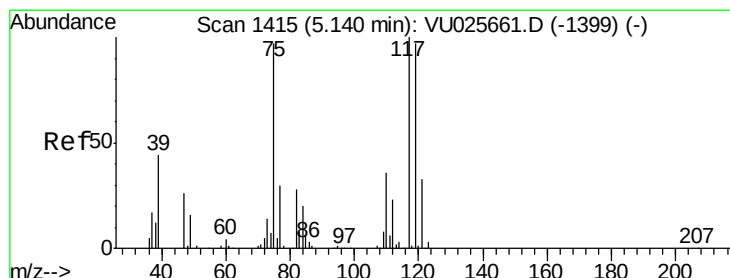
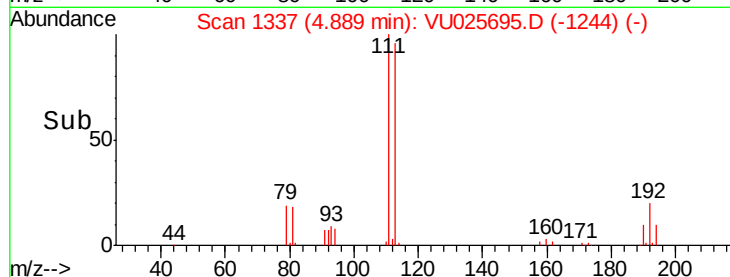
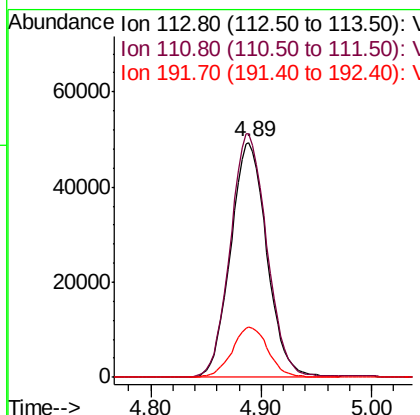
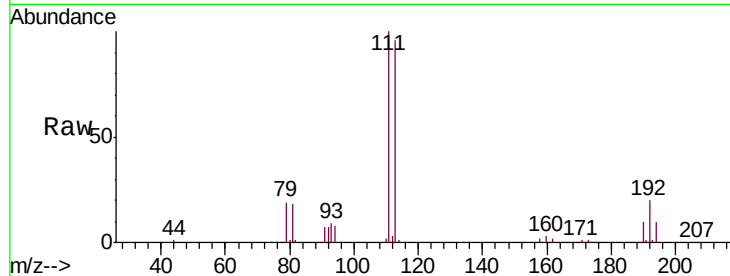




#35
 Dibromofluoromethane
 Concen: 47.08 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

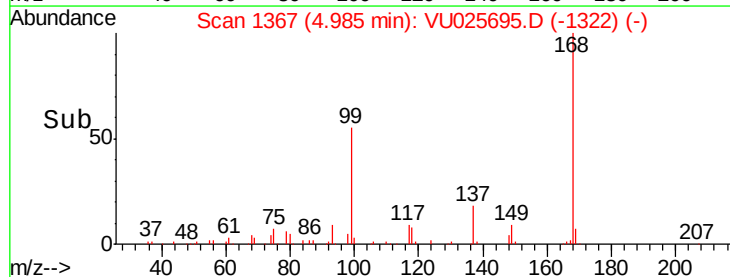
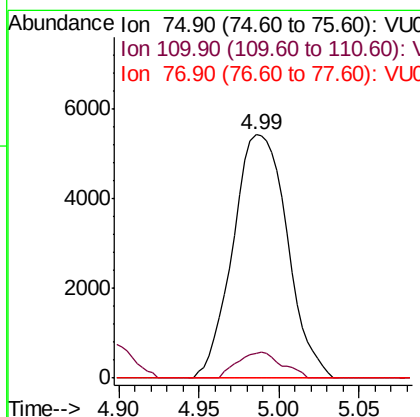
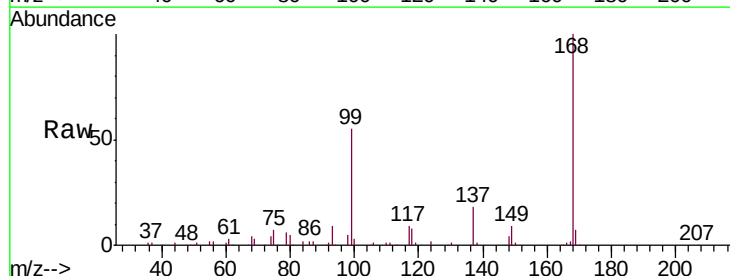
Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-071618

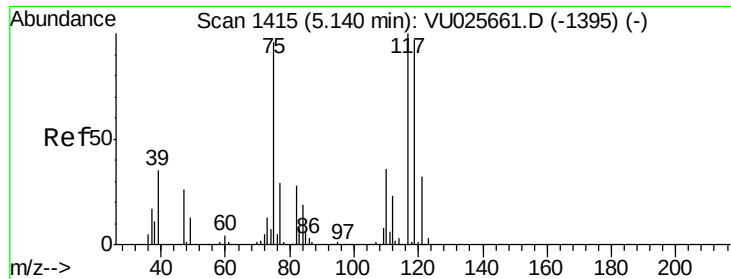
Tot Ion:113 Resp: 112322
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 3.92 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

Tgt Ion: 75 Resp: 12578
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 0.27 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

RE109D3-071618

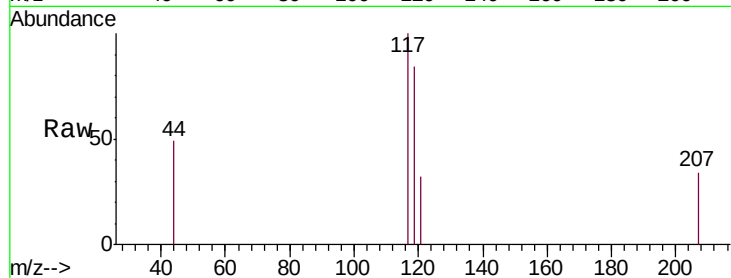
Tot Ion:117 Resp: 976

Ion Ratio Lower Upper

117 100

119 83.8 75.7 113.5

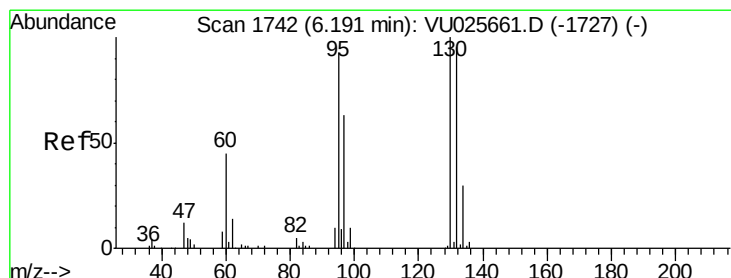
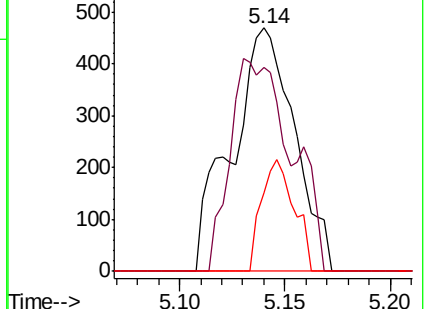
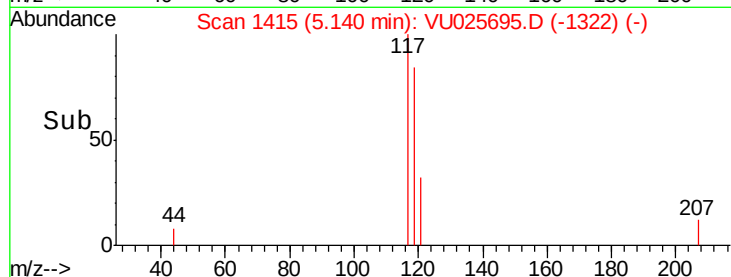
121 32.4 24.6 36.8



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



#44

Trichloroethene

Concen: 32.50 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025695.D

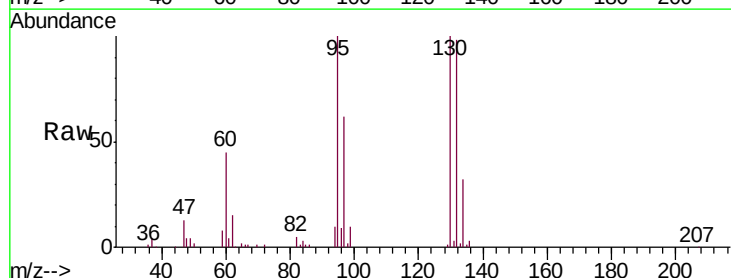
Acq: 28 Jul 2018 02:15

Tgt Ion:130 Resp: 84821

Ion Ratio Lower Upper

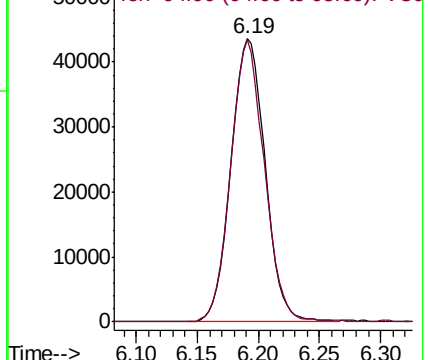
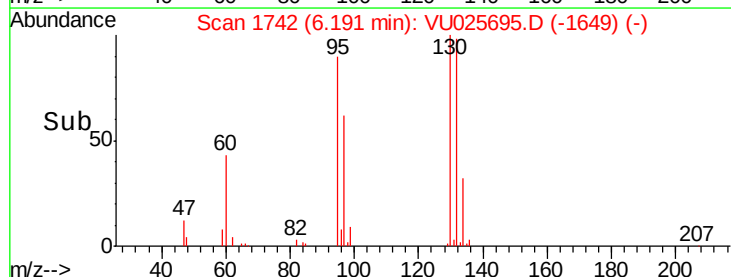
130 100

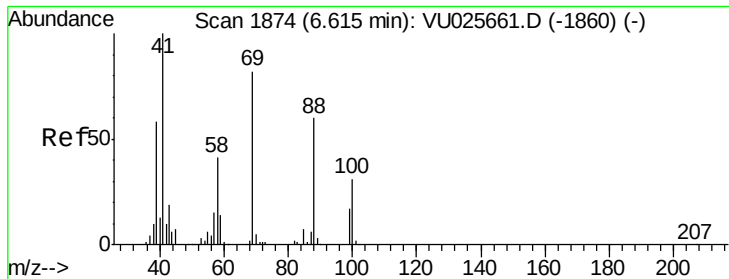
95 99.6 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#49

1,4-Dioxane

Concen: 8.14 ug/l

RT: 6.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

RE109D3-071618

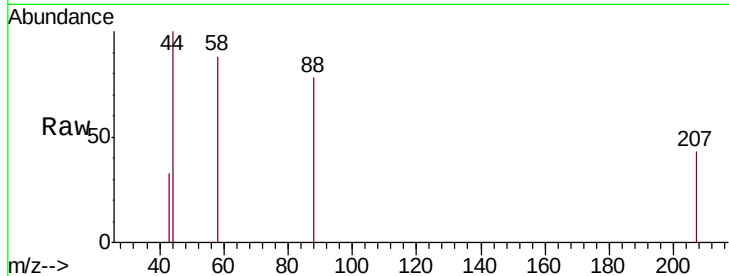
Tot Ion: 88 Resp: 533

Ion Ratio Lower Upper

88 100

43 13.7 27.3 40.9#

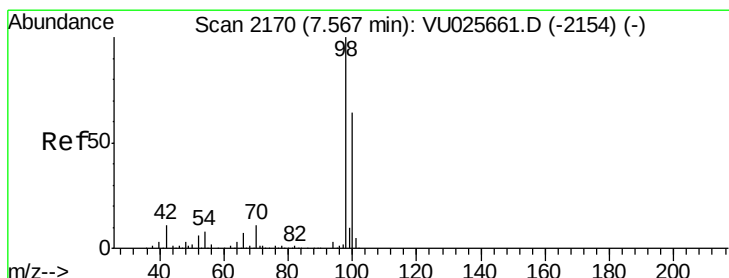
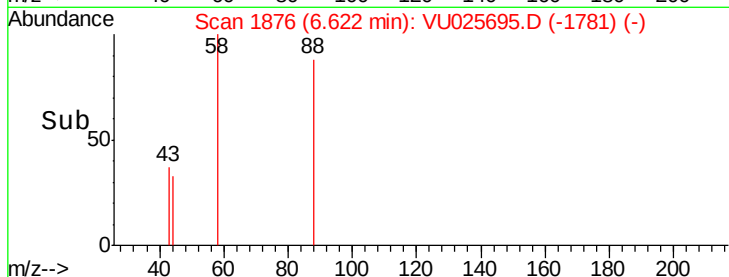
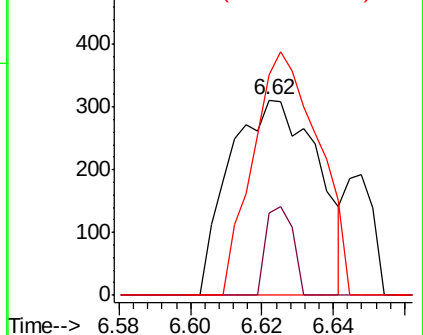
58 92.3 57.6 86.4#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 47.64 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025695.D

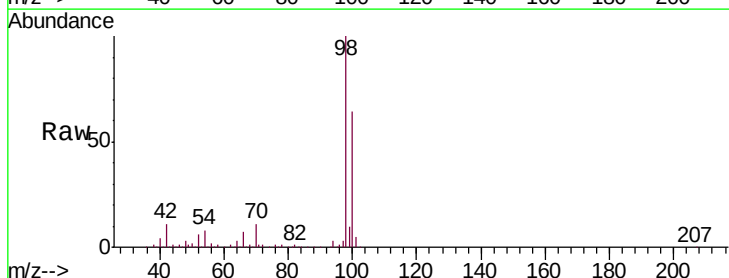
Acq: 28 Jul 2018 02:15

Tgt Ion: 98 Resp: 397783

Ion Ratio Lower Upper

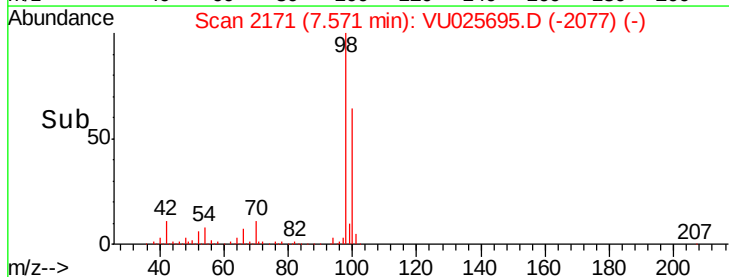
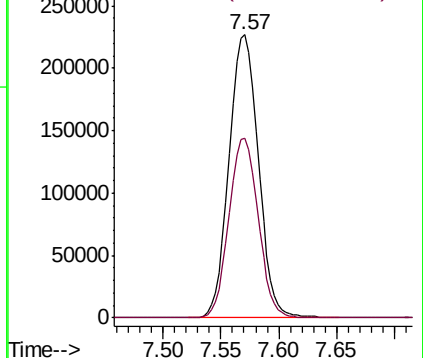
98 100

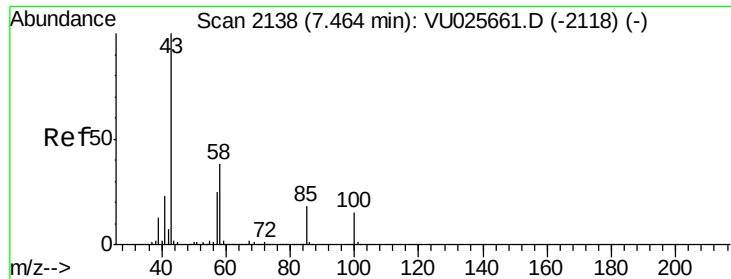
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

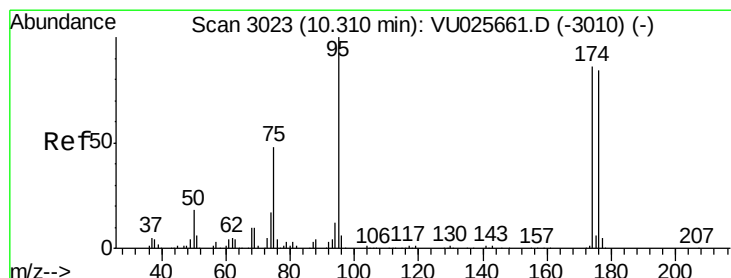
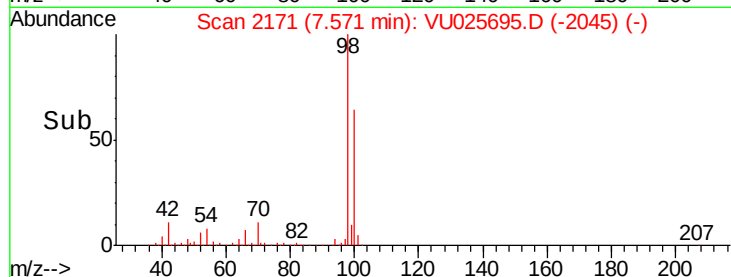
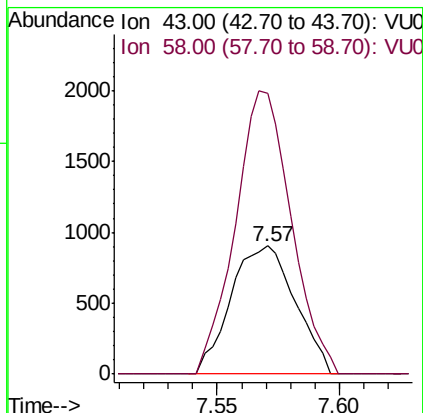
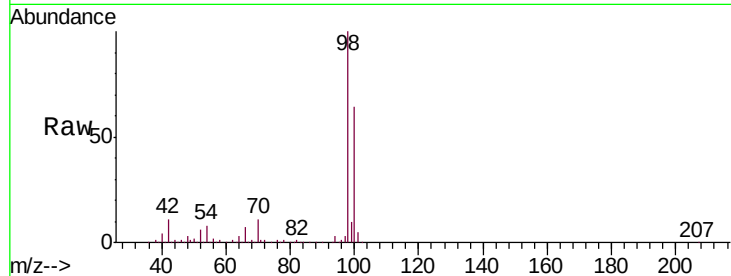




#51
 4-Methyl-2-Pentanone
 Concen: 0.48 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.11 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

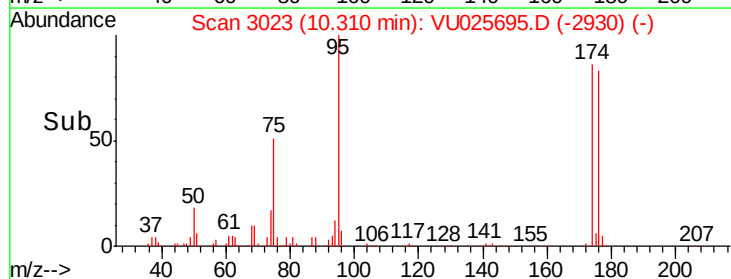
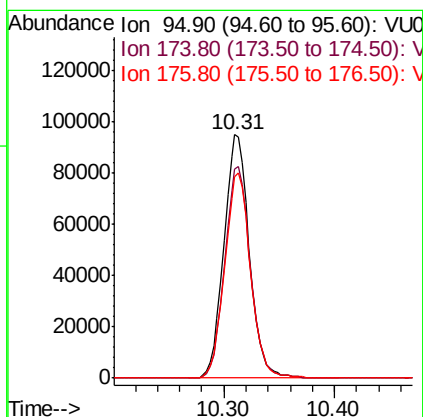
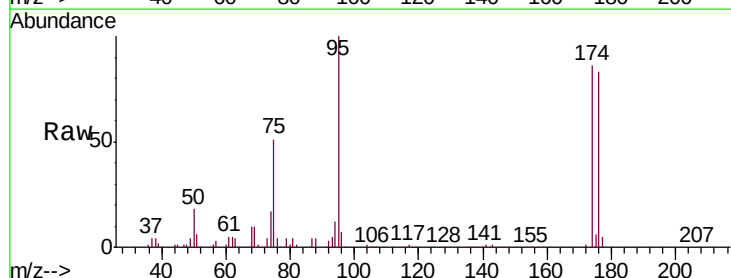
Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-071618

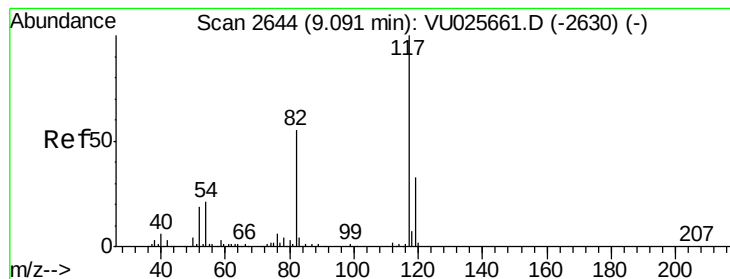
Tot Ion: 43 Resp: 1652
 Ion Ratio Lower Upper
 43 100
 58 191.8 31.0 46.4#



#62
 4-Bromofluorobenzene
 Concen: 46.93 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

Tgt Ion: 95 Resp: 152072
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 172.2
 176 85.8 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

RE109D3-071618

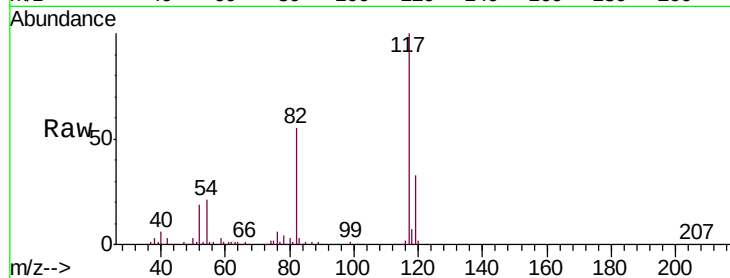
Tot Ion:117 Resp: 269535

Ion Ratio Lower Upper

117 100

82 55.4 46.0 69.0

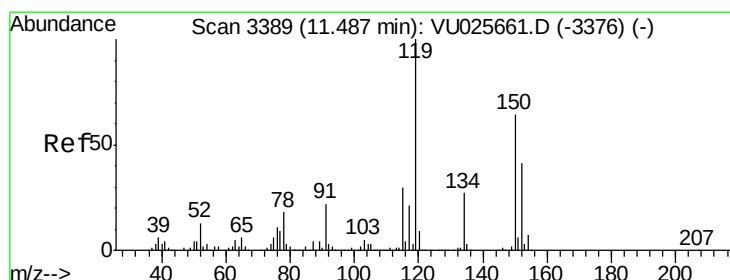
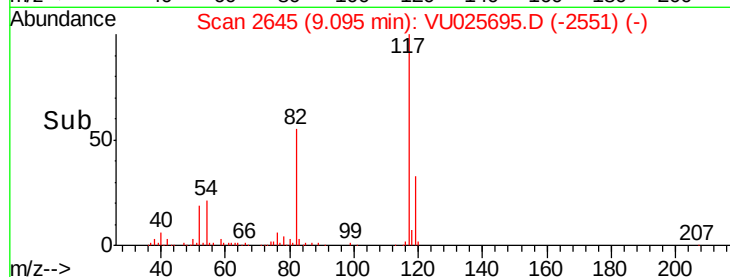
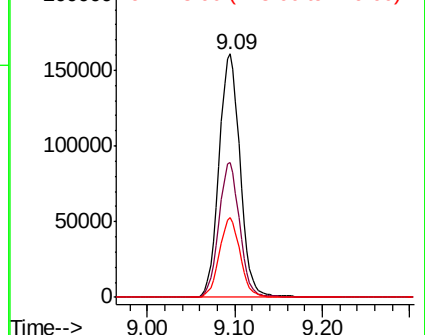
119 32.8 26.0 39.0



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025695.D

Acq: 28 Jul 2018 02:15

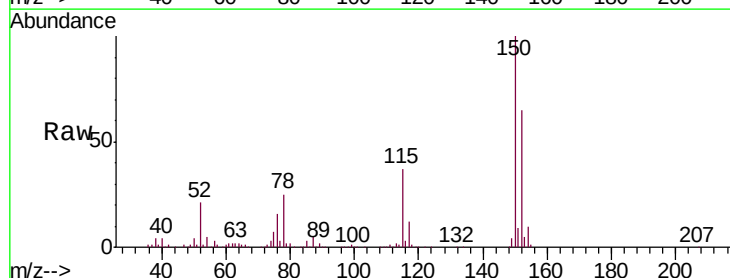
Tgt Ion:152 Resp: 159233

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

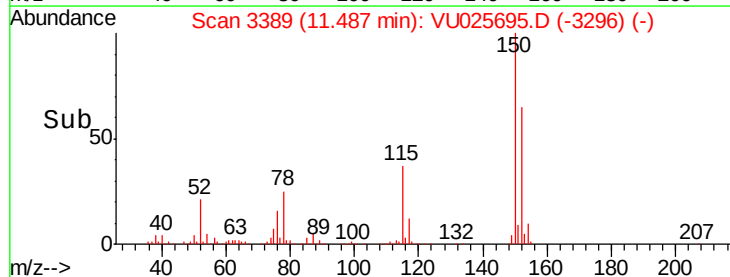
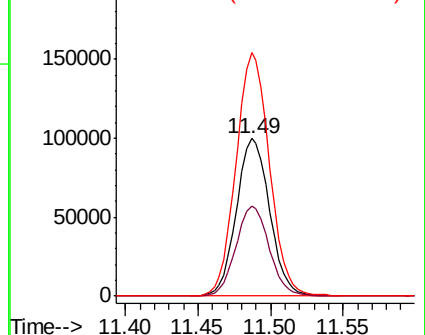
150 155.3 0.0 351.4

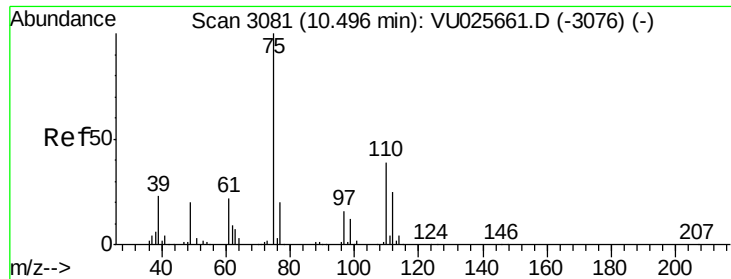


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

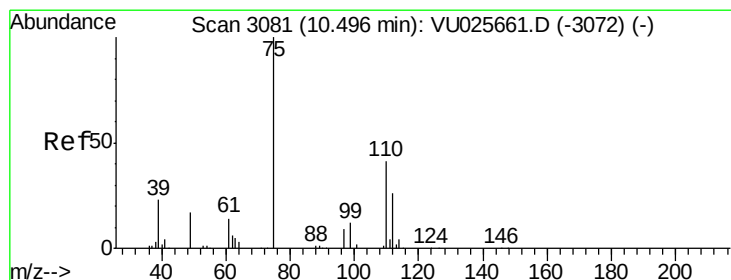
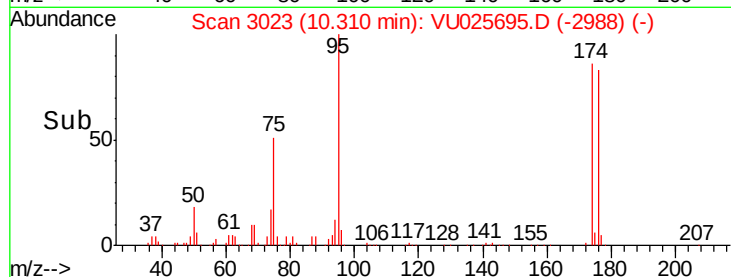
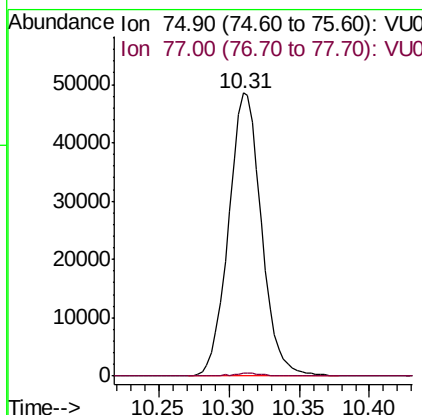
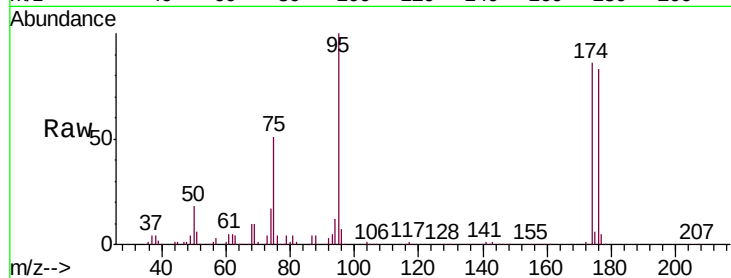




#76
 1,2,3-Trichloropropane
 Concen: 22.60 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

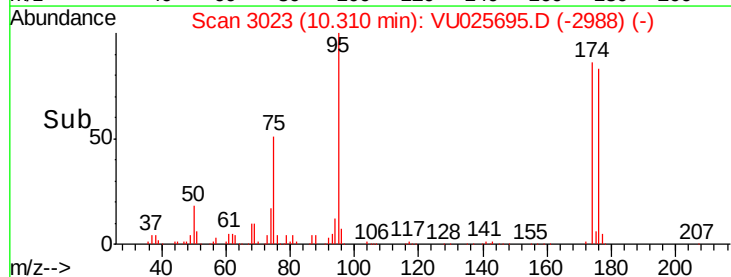
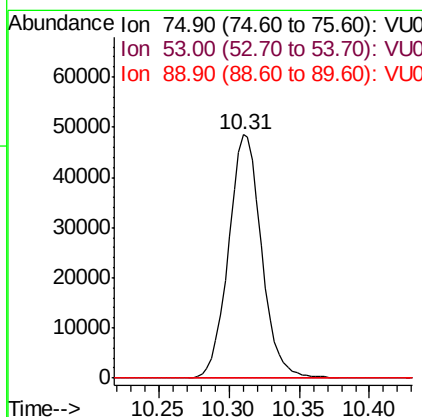
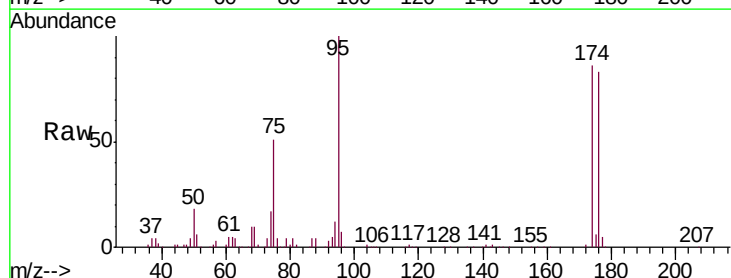
Instrument :
 MSVOA_U
 ClientSampleId :
 RE109D3-071618

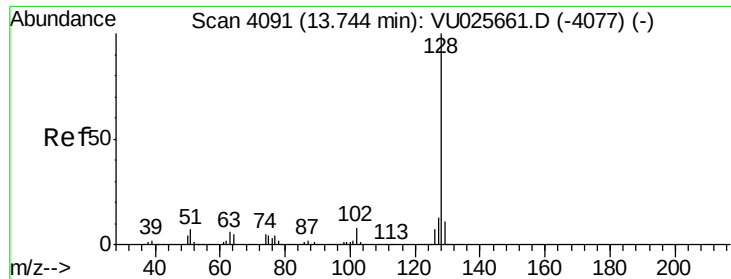
Tot Ion: 75 Resp: 79288
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.4 61.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.67 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025695.D
 Acq: 28 Jul 2018 02:15

Tgt Ion: 75 Resp: 79288
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Napthalene

Concen: 1.26 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025695.D

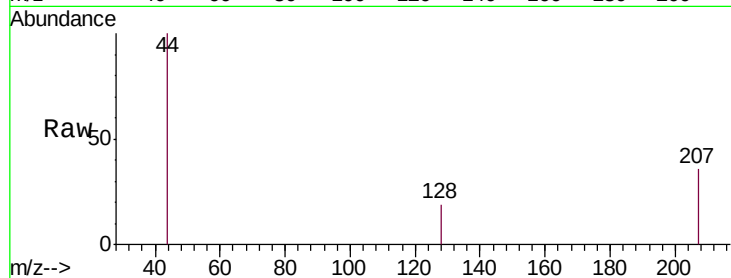
Acq: 28 Jul 2018 02:15

Instrument :

MSVOA_U

ClientSampleId :

RE109D3-071618



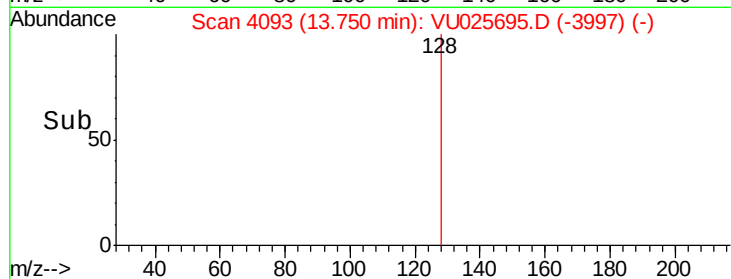
Tot Ion:128 Resp: 65

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

