

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024897.D
 Acq On : 26 Jun 2018 00:37
 Operator : MD/SY
 Sample : J3669-09ME
 Misc : 6.29g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:39:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	225055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	342986	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	327938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	184411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	168643	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	4.89	113	130894	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	7.57	98	498084	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	10.32	95	193734	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	

Target Compounds

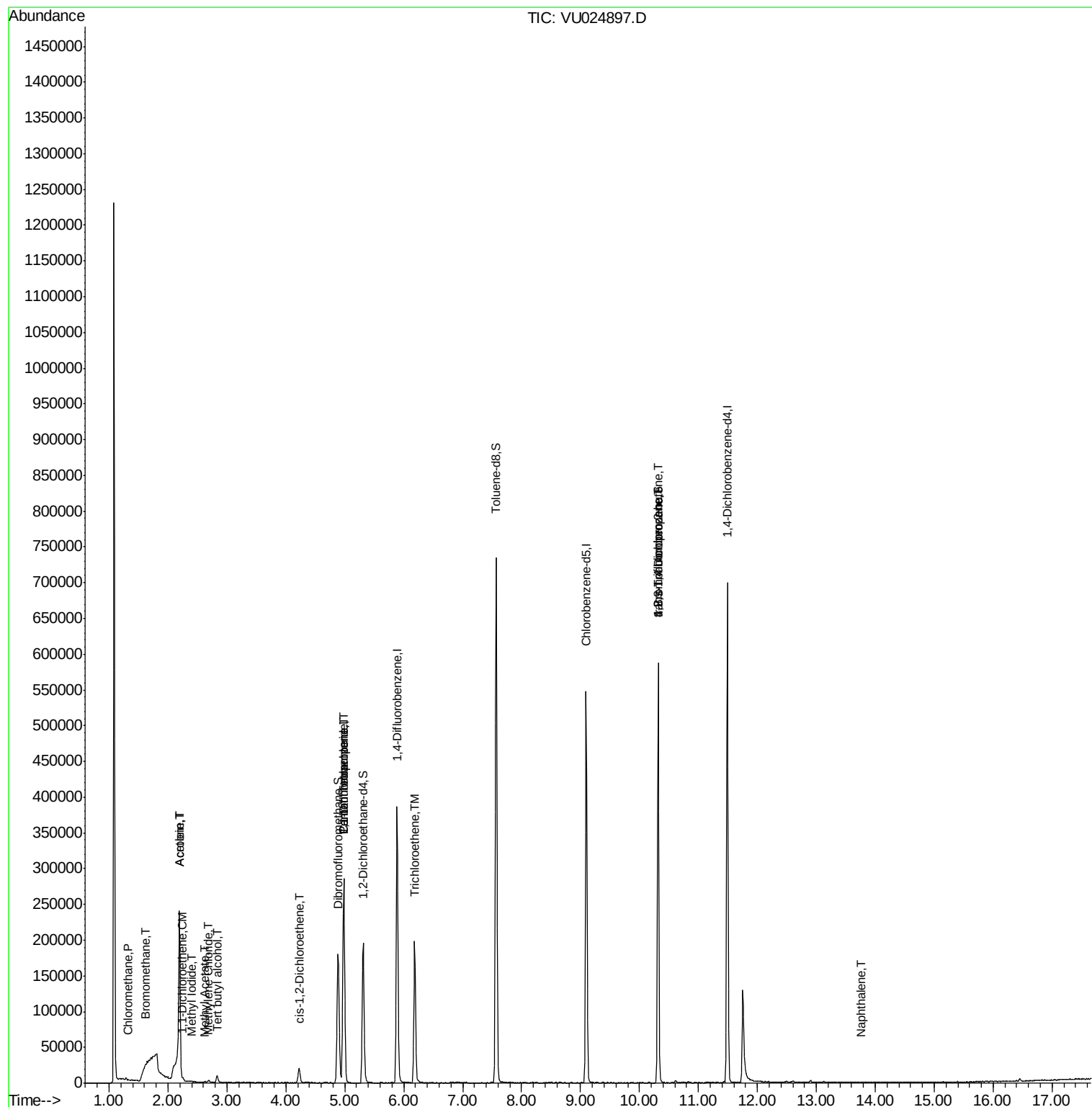
						Qvalue
3) Chloromethane	1.32	50	1067	0.37	ug/l	98
5) Bromomethane	1.61	94	1362	0.95	ug/l	91
6) Chloroethane	1.69	64	91	Below Cal	#	17
8) Diethyl Ether	1.91	74	42	Below Cal	#	1
10) Methyl Iodide	2.39	142	974	5.65	ug/l	# 69
11) Tert butyl alcohol	2.83	59	5215	5.84	ug/l	# 78
12) 1,1-Dichloroethene	2.26	96	802	0.31	ug/l	94
13) Acrolein	2.20	56	160	0.34	ug/l	# 1
16) Acetone	2.19	43	53902	27.30	ug/l	# 44
18) Methyl Acetate	2.62	43	1012	0.24	ug/l	# 89
20) Methylene Chloride	2.69	84	1769	0.57	ug/l	# 82
27) cis-1,2-Dichloroethene	4.22	96	11734	3.62	ug/l	88
31) Cyclohexane	4.99	56	4396	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16551	4.11	ug/l	# 49
38) Carbon Tetrachloride	4.98	117	21487	4.85	ug/l	# 15
44) Trichloroethene	6.18	130	70815	21.67	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	100038	24.64	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.32	75	100038	57.03	ug/l	# 100
95) Naphthalene	13.75	128	387	0.71	ug/l	# 69

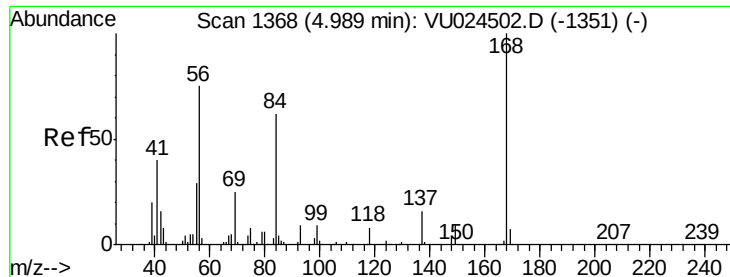
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

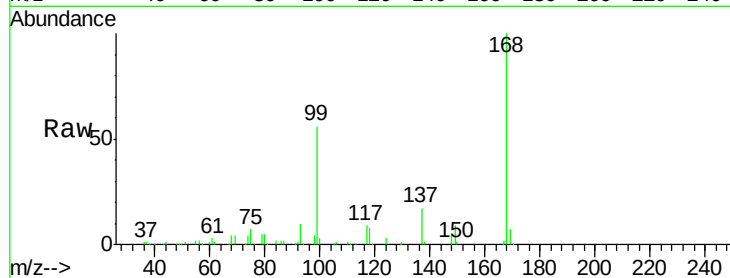
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 225055

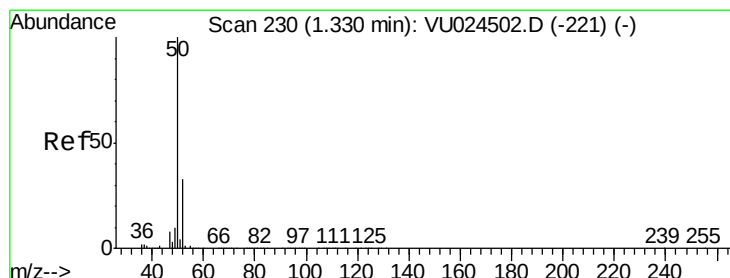
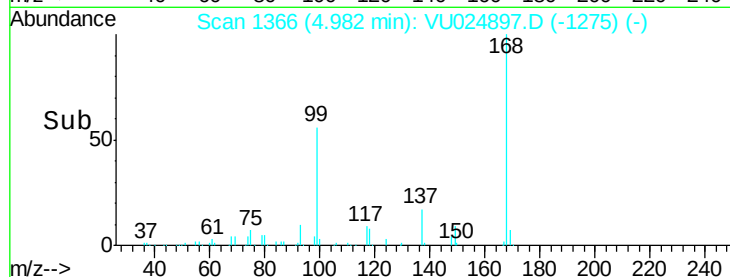
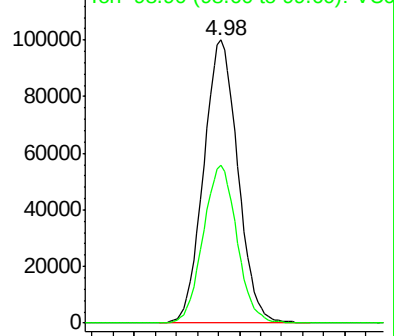
Ion Ratio Lower Upper

168 100

99 55.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.37 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024897.D

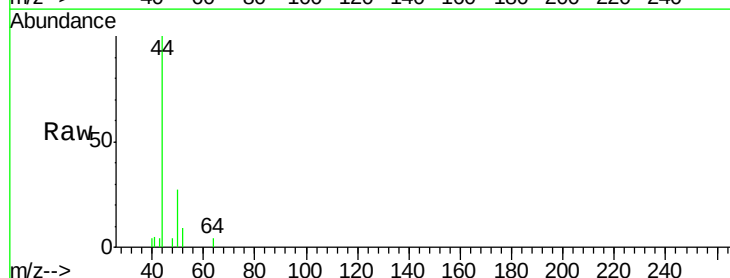
Acq: 26 Jun 2018 00:37

Tgt Ion: 50 Resp: 1067

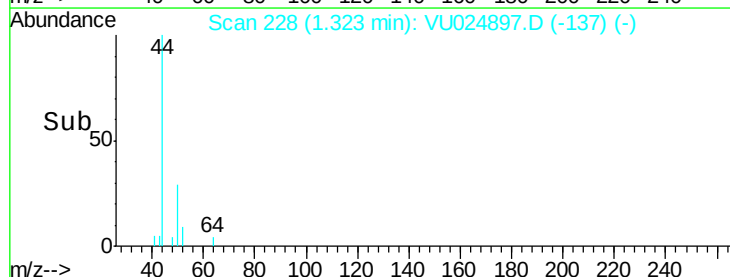
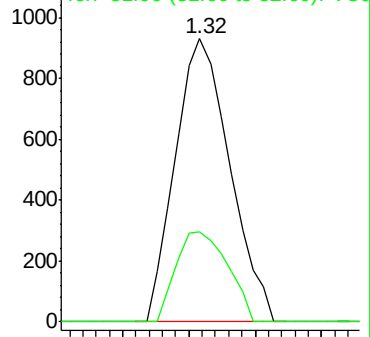
Ion Ratio Lower Upper

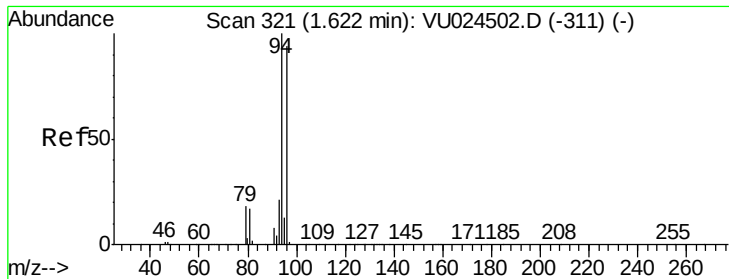
50 100

52 31.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.95 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

Instrument :

MSVOA_U

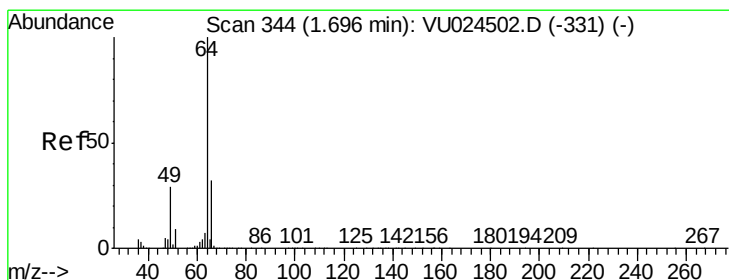
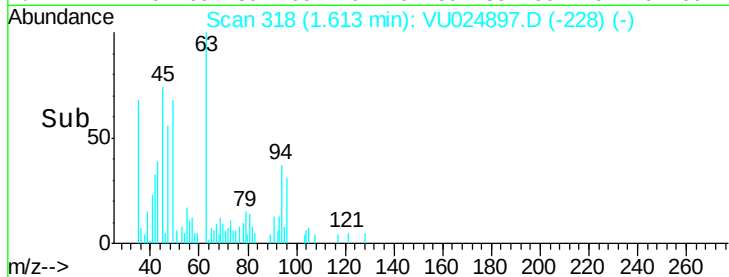
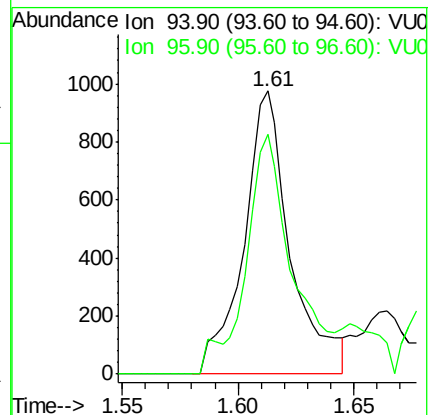
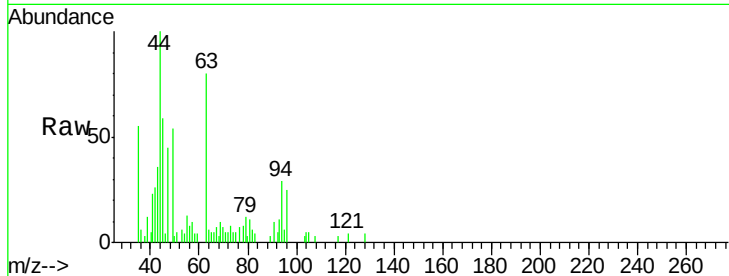
ClientSampled :

Tot Ion: 94 Resp: 1362

Ion Ratio Lower Upper

94 100

96 84.9 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024897.D

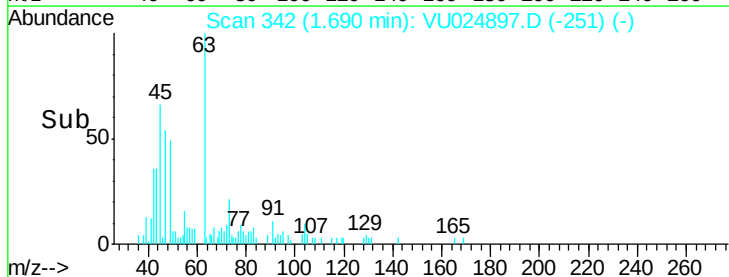
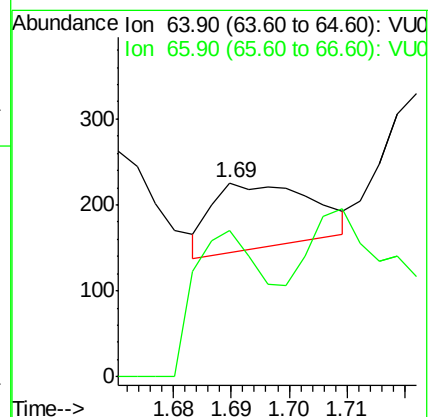
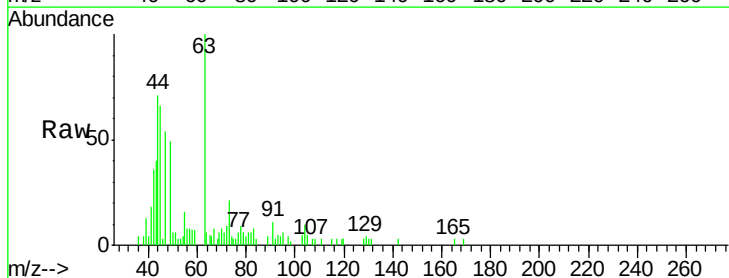
Acq: 26 Jun 2018 00:37

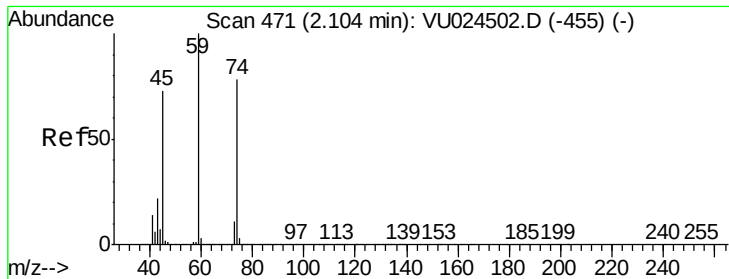
Tgt Ion: 64 Resp: 91

Ion Ratio Lower Upper

64 100

66 78.3 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 1.91 min Scan# 412

Delta R.T. -0.19 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

Instrument :

MSVOA_U

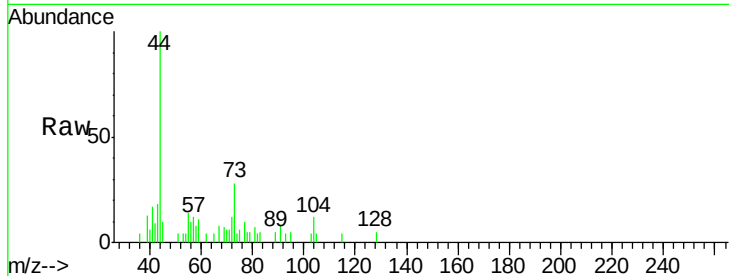
ClientSampleId :

Tot Ion: 74 Resp: 42

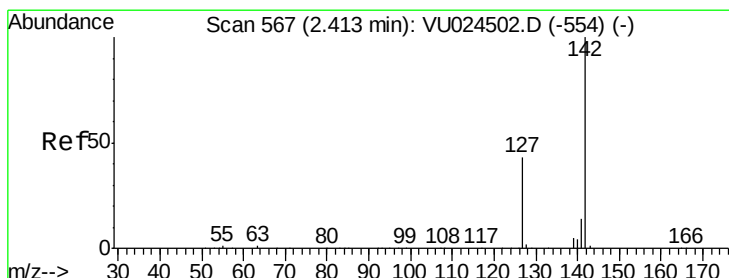
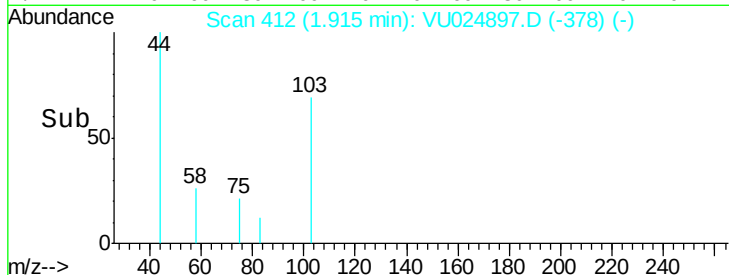
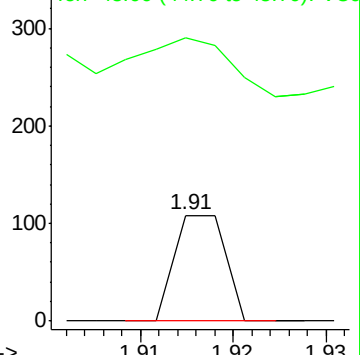
Ion Ratio Lower Upper

74 100

45 0.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU024897.D (-412) (-)



#10

Methyl Iodide

Concen: 5.65 ug/l

RT: 2.39 min Scan# 561

Delta R.T. -0.02 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

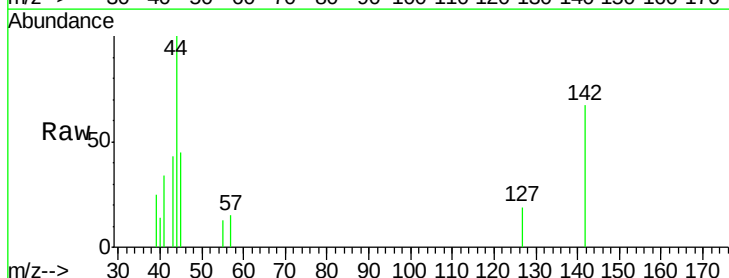
Tgt Ion: 142 Resp: 974

Ion Ratio Lower Upper

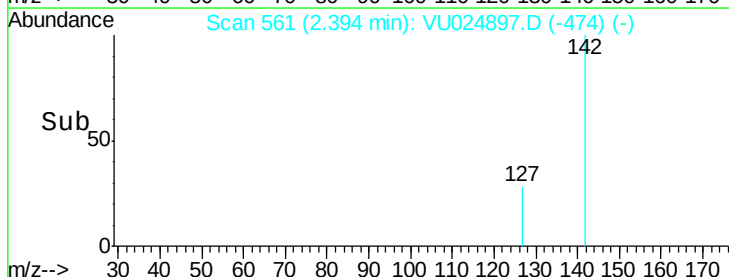
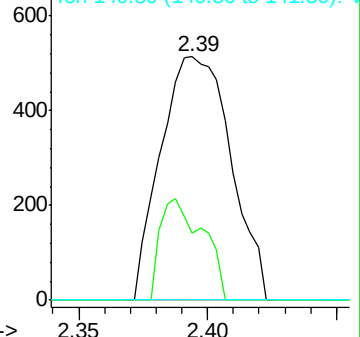
142 100

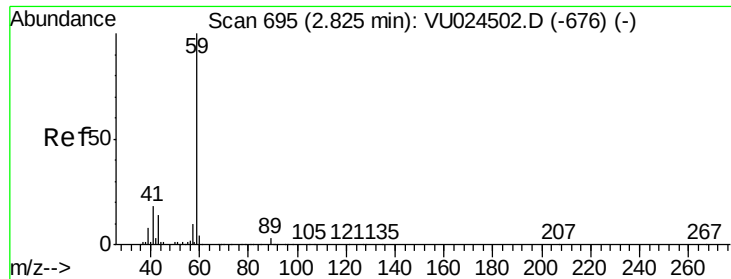
127 25.5 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024897.D (-561) (-)

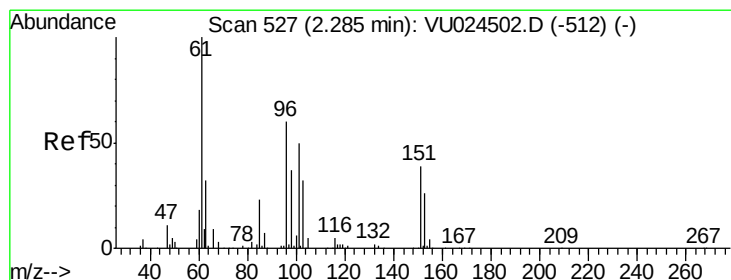
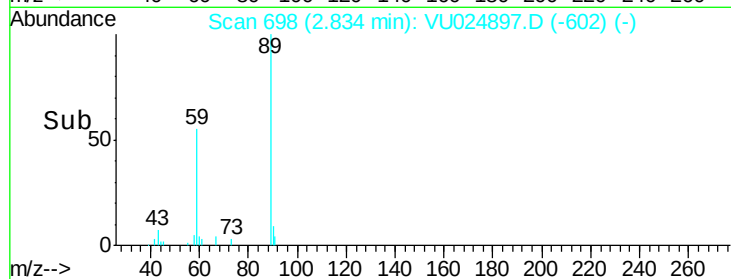
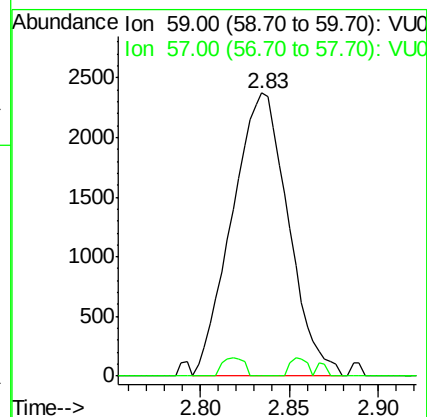
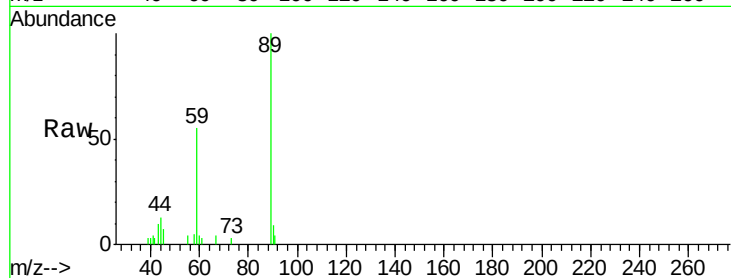




#11
Tert butyl alcohol
Concen: 5.84 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

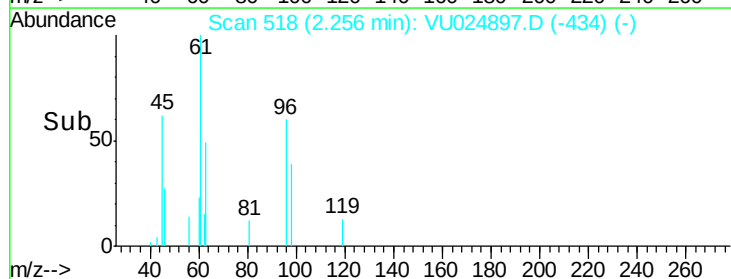
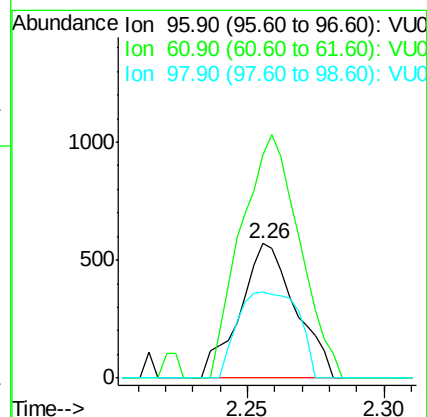
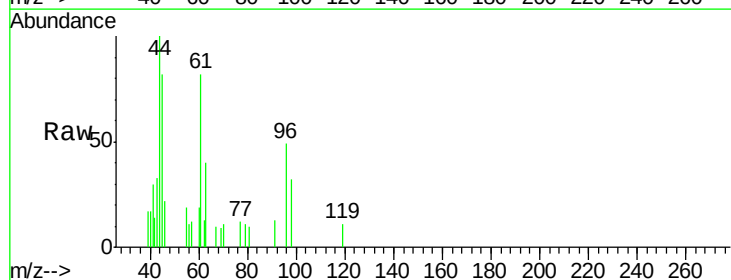
Instrument :
MSVOA_U
ClientSampled :

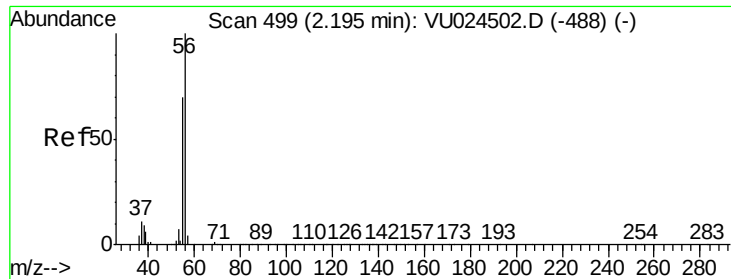
Tot Ion: 59 Resp: 5215
Ion Ratio Lower Upper
59 100
57 2.5 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 0.31 ug/l
RT: 2.26 min Scan# 518
Delta R.T. -0.03 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

Tgt Ion: 96 Resp: 802
Ion Ratio Lower Upper
96 100
61 166.1 141.7 212.5
98 64.3 51.6 77.4





#13

Acrolein

Concen: 0.34 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

Instrument :

MSVOA_U

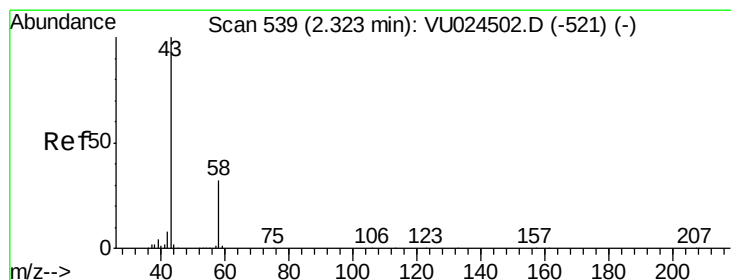
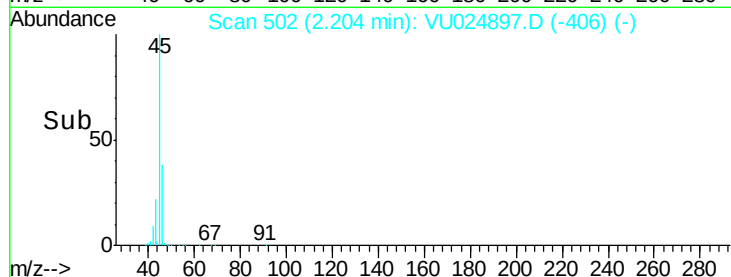
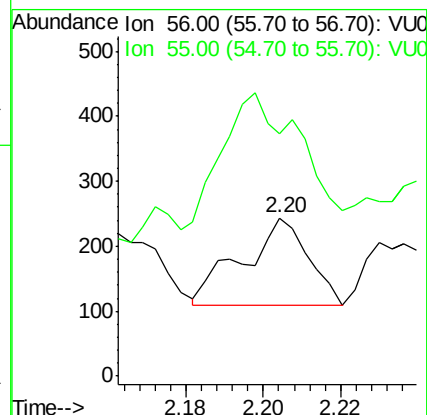
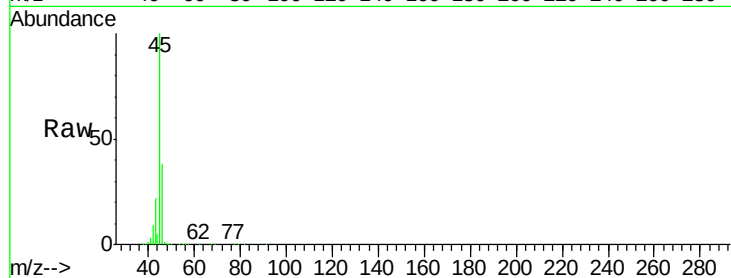
ClientSampled :

Tot Ion: 56 Resp: 160

Ion Ratio Lower Upper

56 100

55 183.1 58.4 87.6#



#16

Acetone

Concen: 27.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.13 min

Lab File: VU024897.D

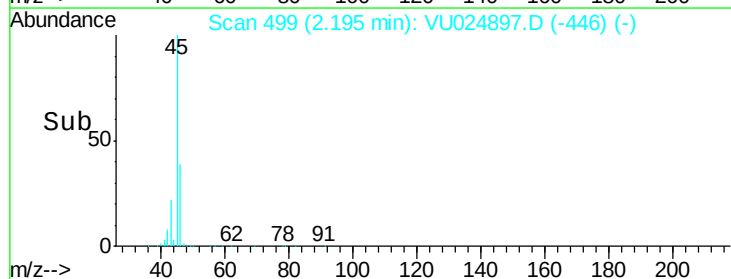
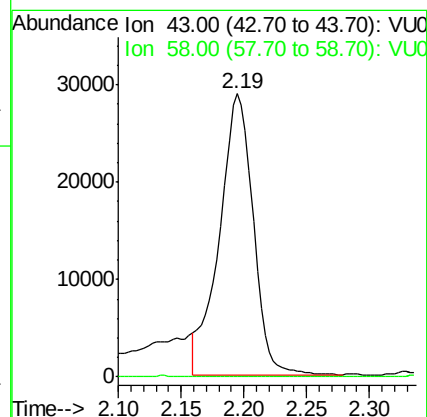
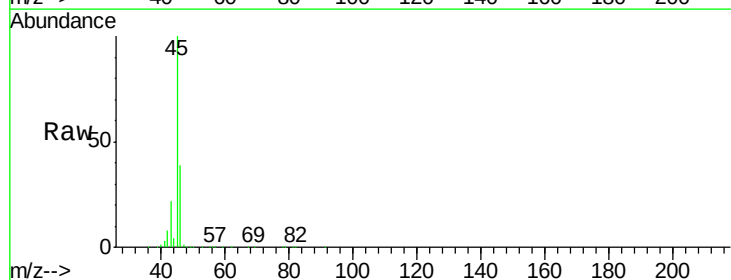
Acq: 26 Jun 2018 00:37

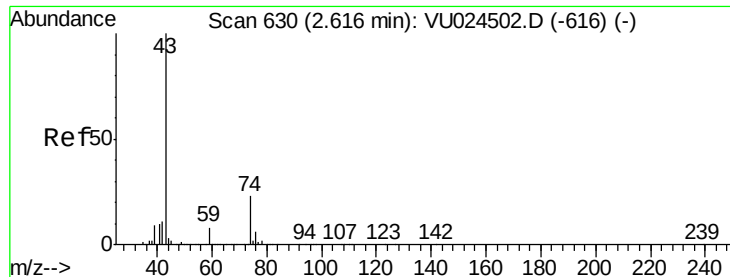
Tgt Ion: 43 Resp: 53902

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

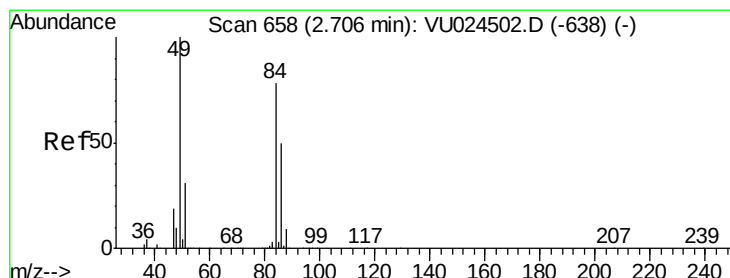
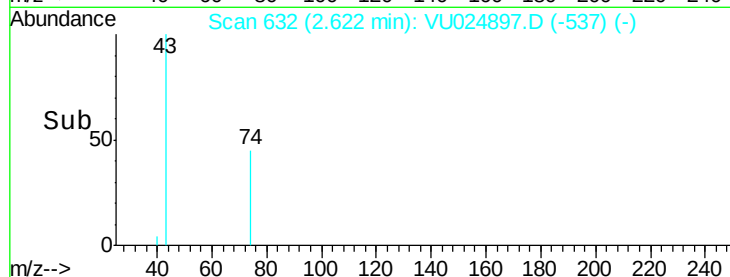
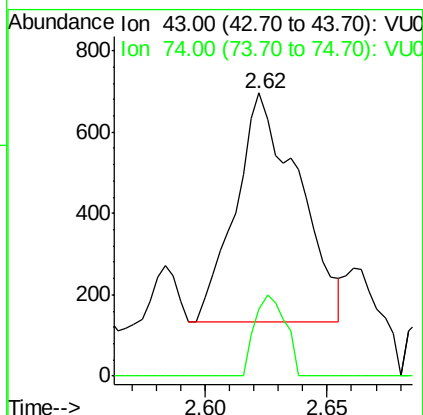
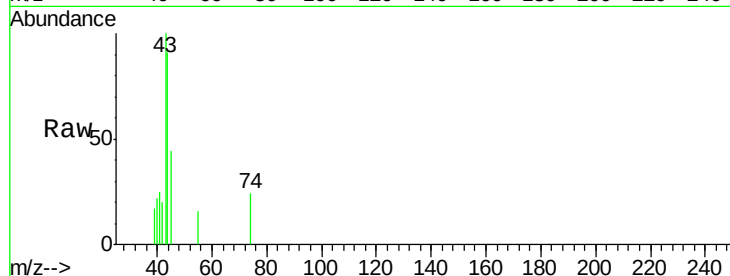




#18
Methvl Acetate
Concen: 0.24 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

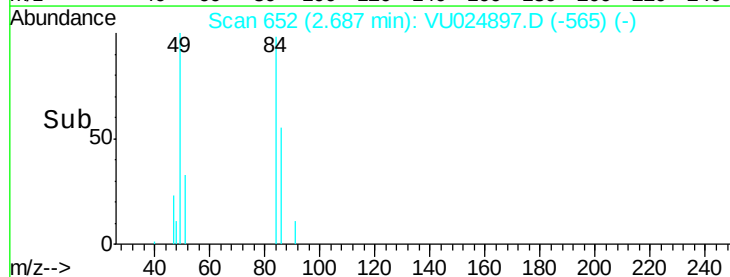
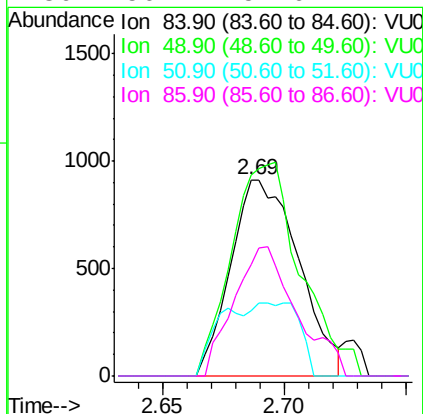
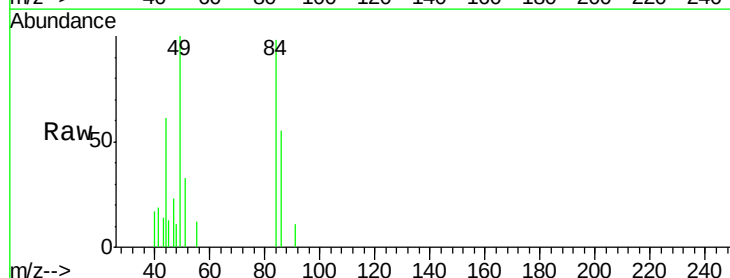
Instrument :
MSVOA_U
ClientSampleId :

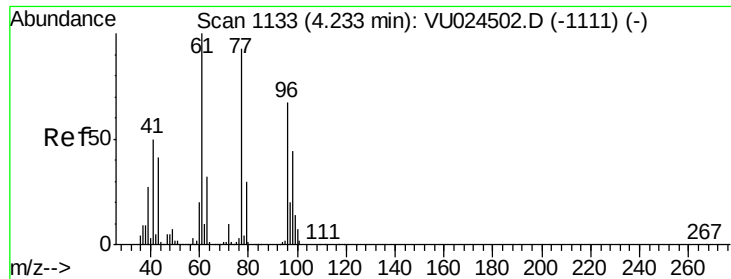
Tot Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
74 17.1 18.0 27.0#



#20
Methylene Chloride
Concen: 0.57 ug/l
RT: 2.69 min Scan# 652
Delta R.T. -0.02 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

Tgt Ion: 84 Resp: 1769
Ion Ratio Lower Upper
84 100
49 102.4 103.8 155.8#
51 33.5 32.0 48.0
86 56.7 51.6 77.4

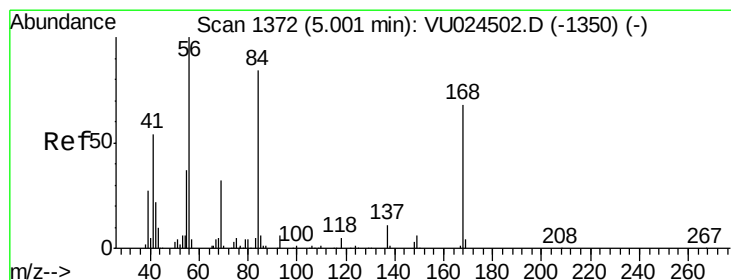
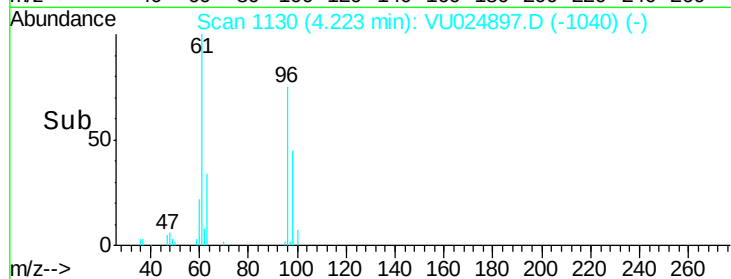
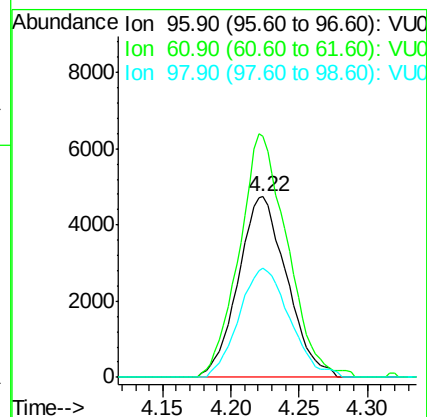
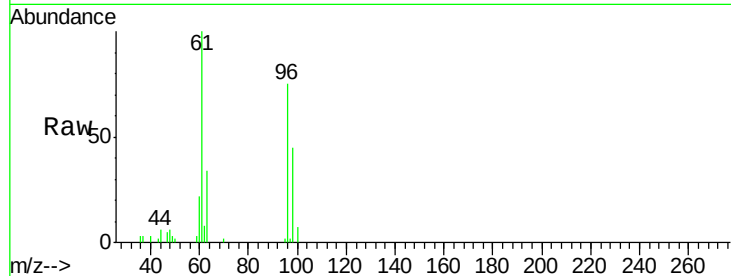




#27
 cis-1,2-Dichloroethene
 Concen: 3.62 ug/l
 RT: 4.22 min Scan# 1130
 Delta R.T. -0.01 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

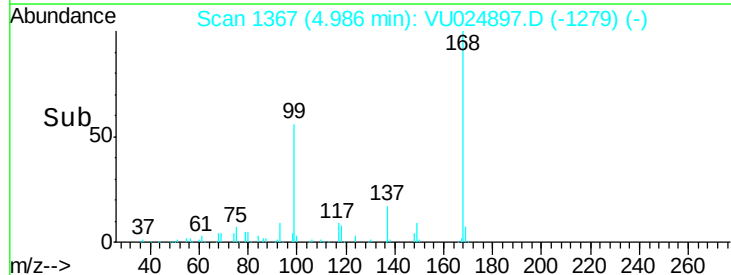
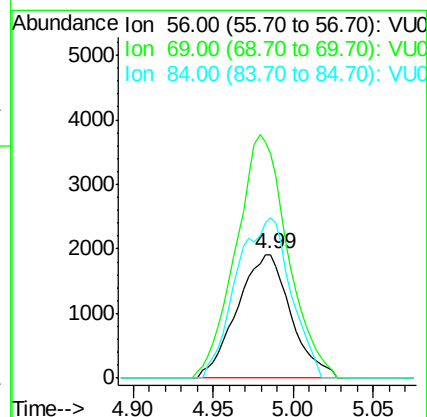
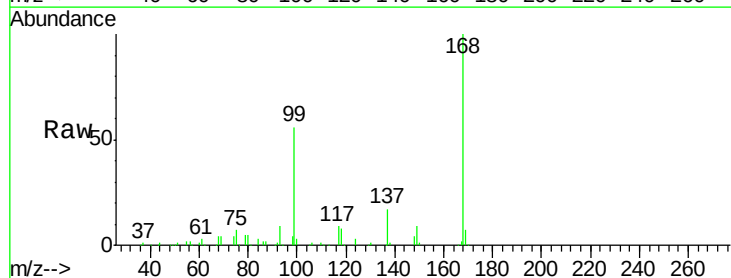
Instrument :
 MSVOA_U
 ClientSampleId :

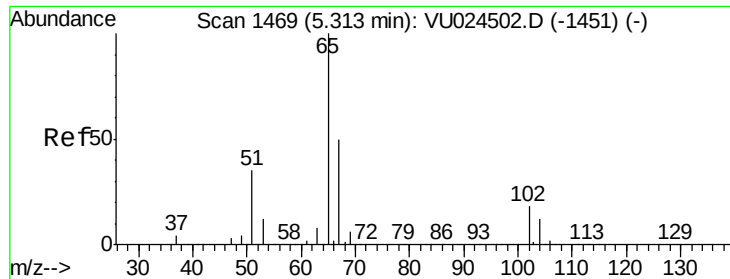
Tot Ion: 96 Resp: 11734
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 306.6
 98 62.9 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

Tgt Ion: 56 Resp: 4396
 Ion Ratio Lower Upper
 56 100
 69 182.4 24.8 37.2#
 84 130.0 65.2 97.8#

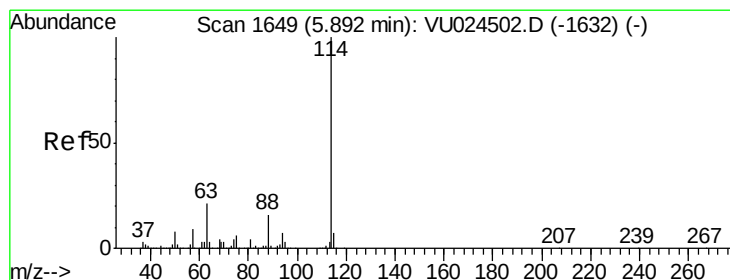
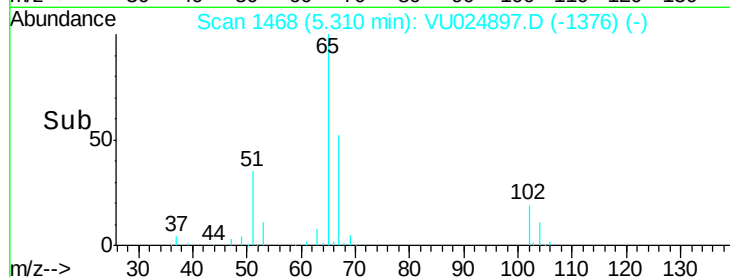
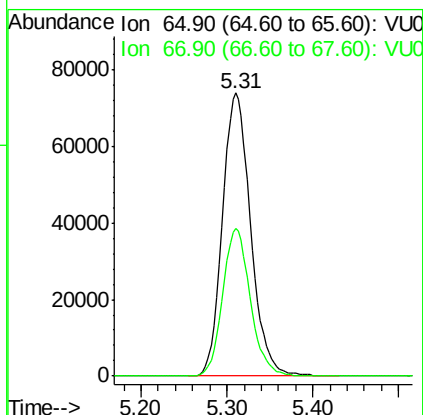
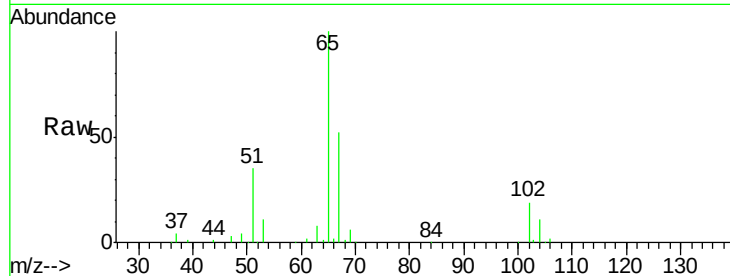




#33
 1,2-Dichloroethane-d4
 Concen: 45.90 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

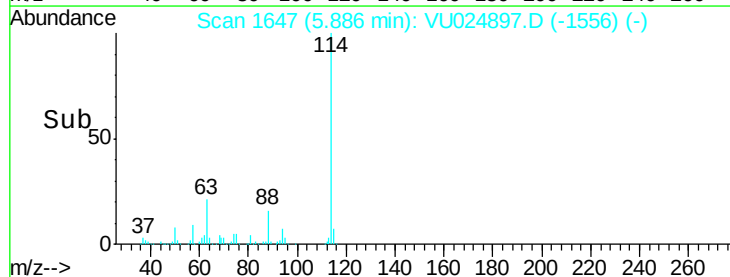
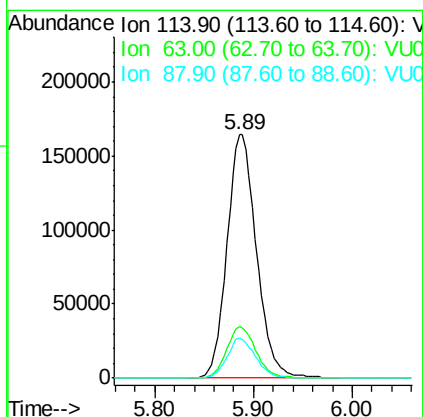
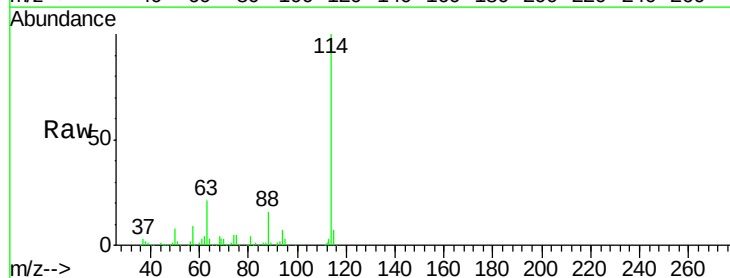
Instrument :
 MSVOA_U
 ClientSampleId :

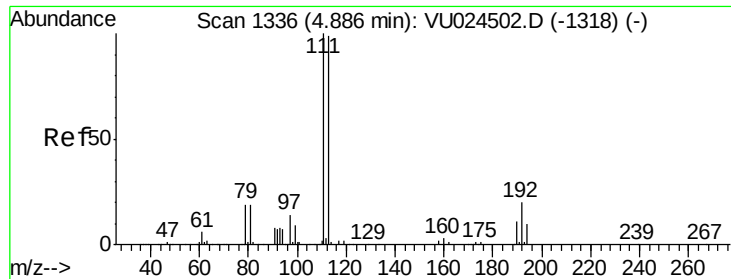
Tot Ion: 65 Resp: 168643
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

Tgt Ion: 114 Resp: 342986
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 16.3 0.0 31.0

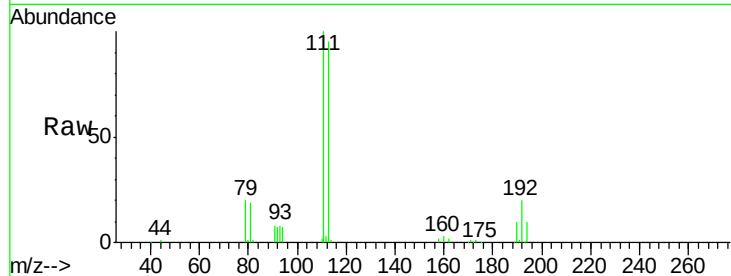




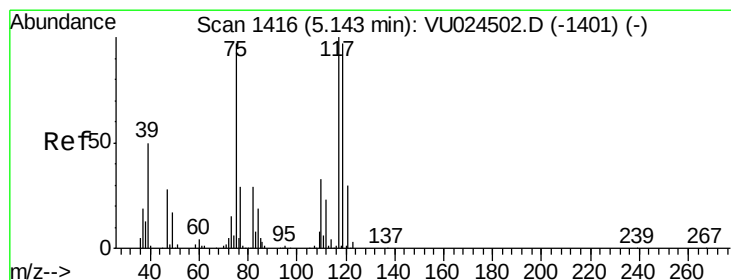
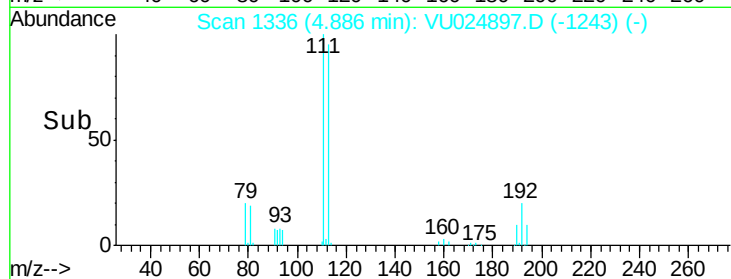
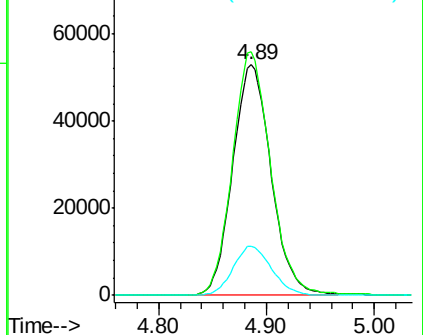
#35
 Dibromofluoromethane
 Concen: 45.98 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:113 Resp: 130894
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.2 123.4
 192 21.5 16.2 24.4

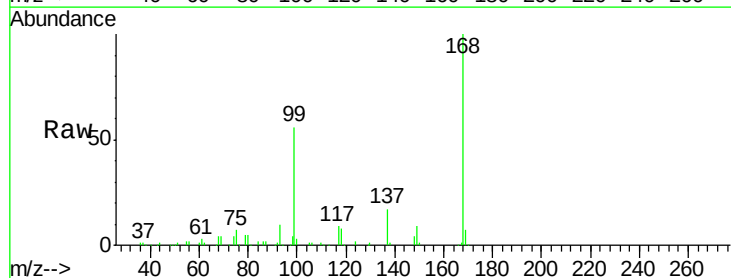


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

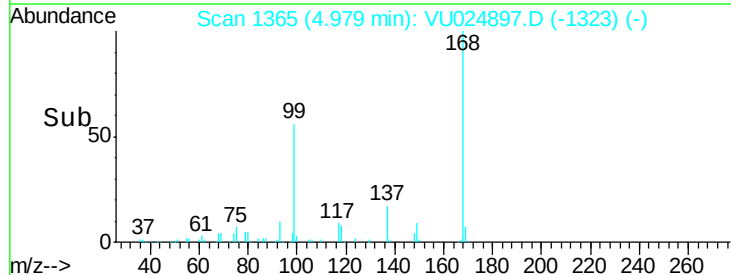
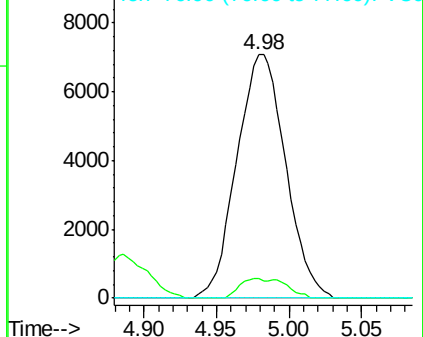


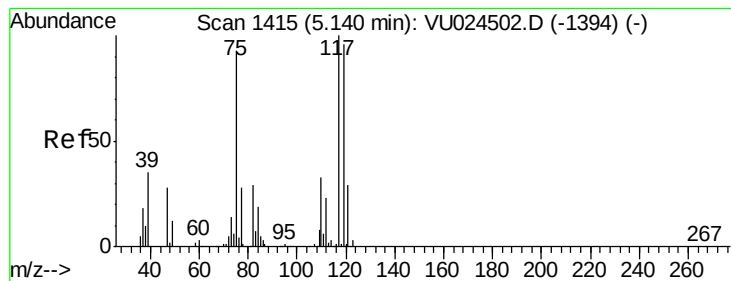
#36
 1,1-Dichloropropene
 Concen: 4.11 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024897.D
 Acq: 26 Jun 2018 00:37

Tgt Ion: 75 Resp: 16551
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.0 50.9#
 77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

Instrument :

MSVOA_U

ClientSampled :

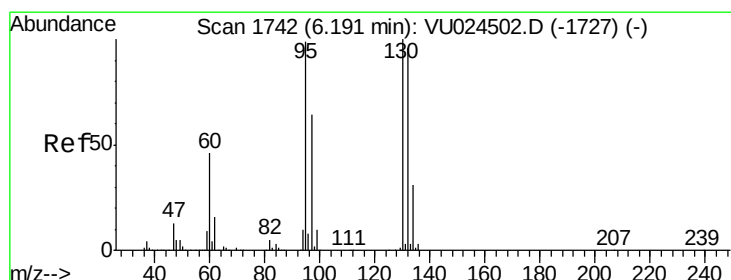
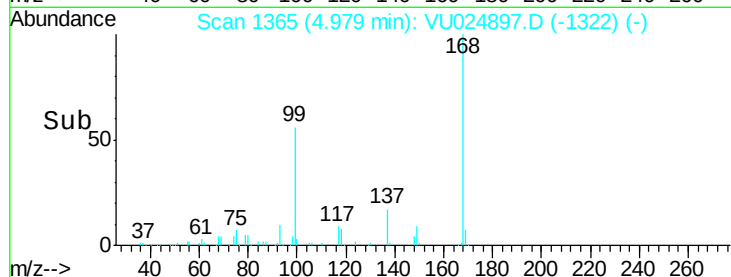
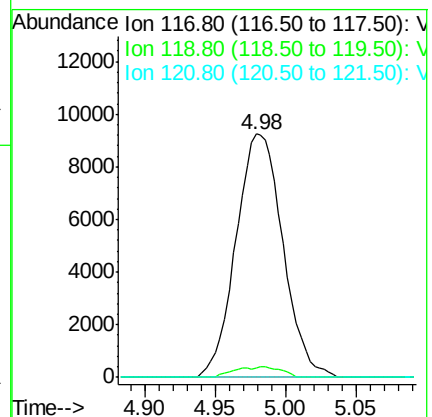
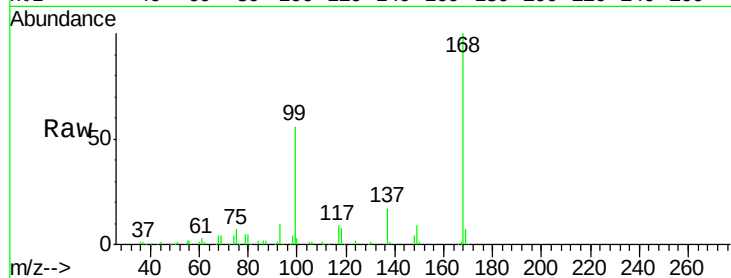
Tot Ion:117 Resp: 21487

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

121 0.0 23.7 35.5#



#44

Trichloroethene

Concen: 21.67 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024897.D

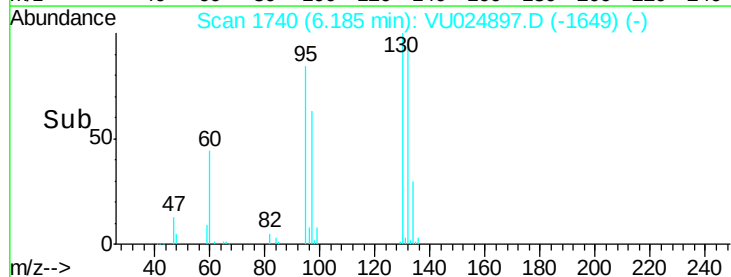
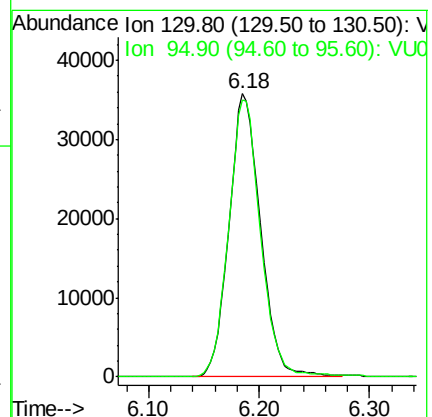
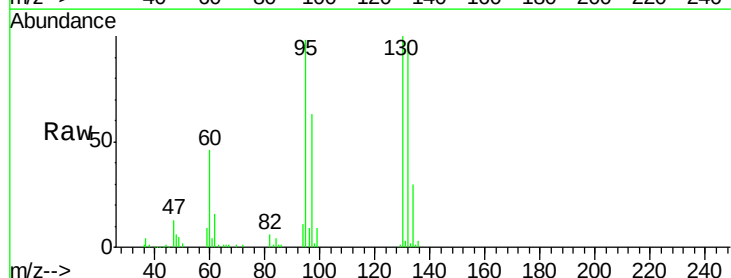
Acq: 26 Jun 2018 00:37

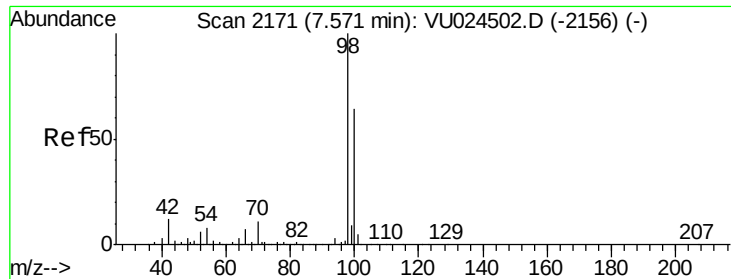
Tgt Ion:130 Resp: 70815

Ion Ratio Lower Upper

130 100

95 97.8 0.0 202.4

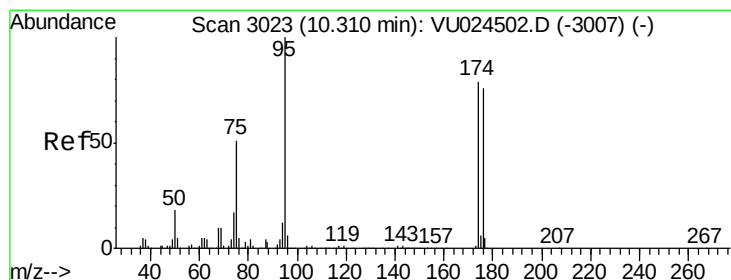
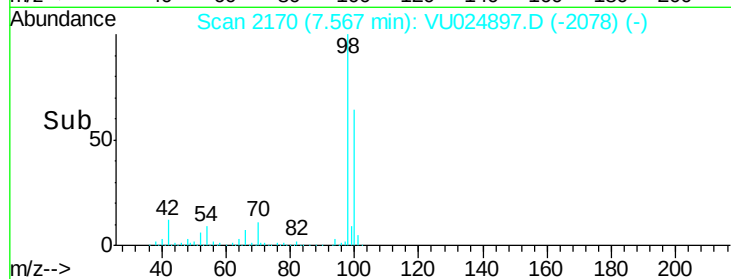
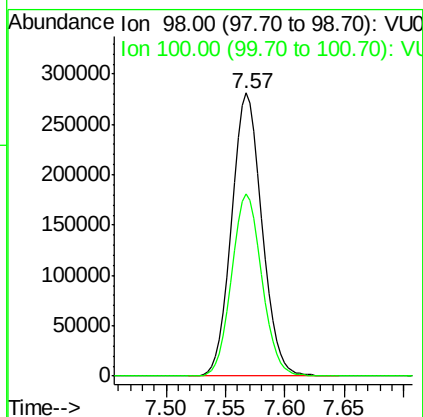
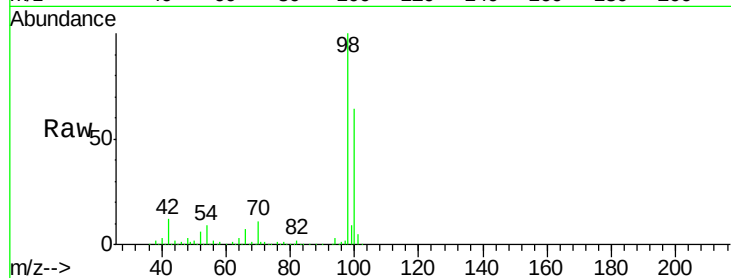




#50
Toluene-d8
Concen: 47.97 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

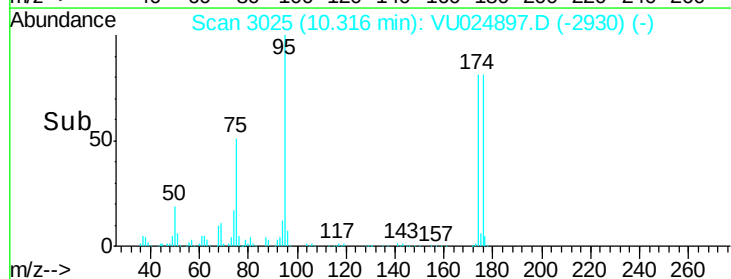
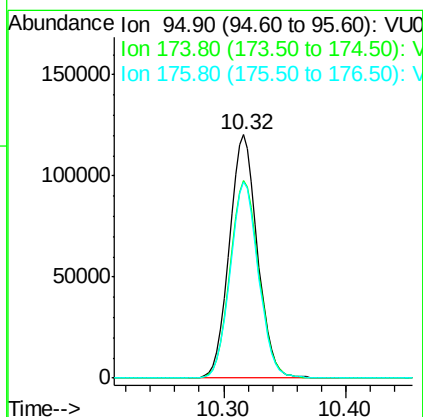
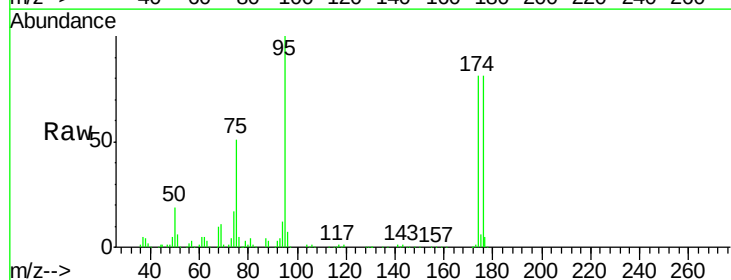
Instrument :
MSVOA_U
ClientSampleId :

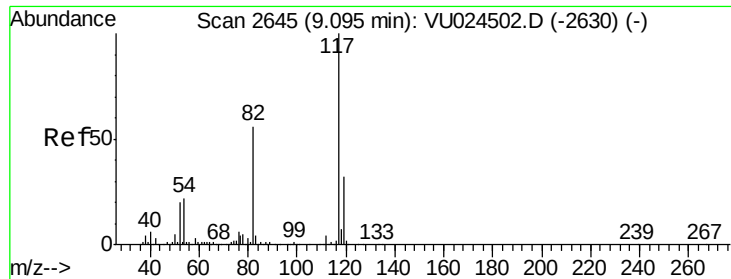
Tot Ion: 98 Resp: 498084
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.99 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

Tgt Ion: 95 Resp: 193734
Ion Ratio Lower Upper
95 100
174 82.9 0.0 165.8
176 80.6 0.0 159.4

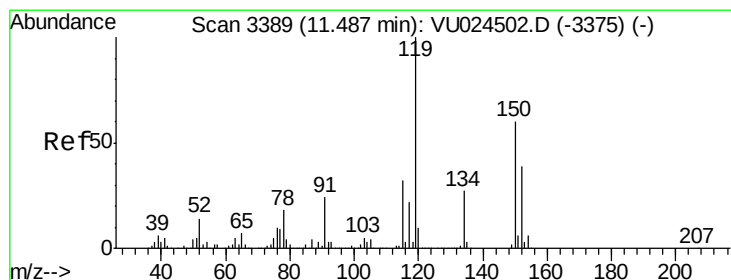
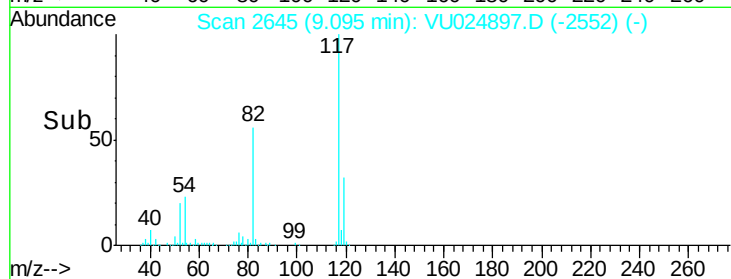
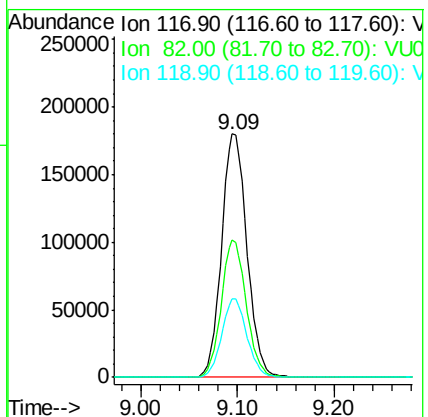
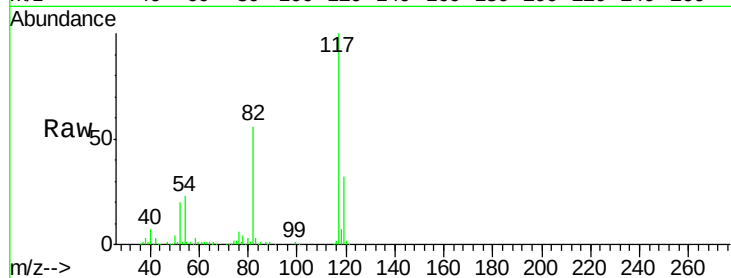




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

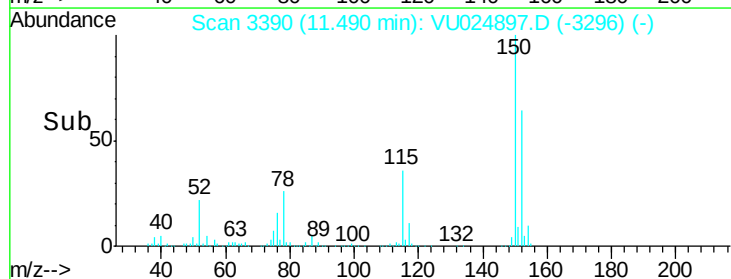
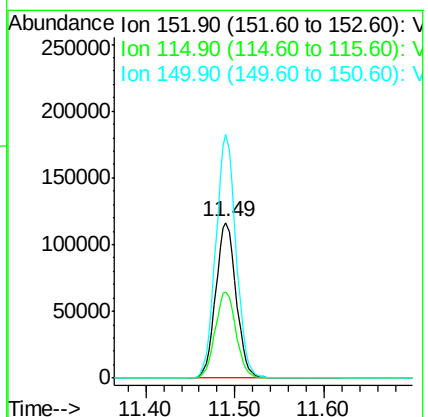
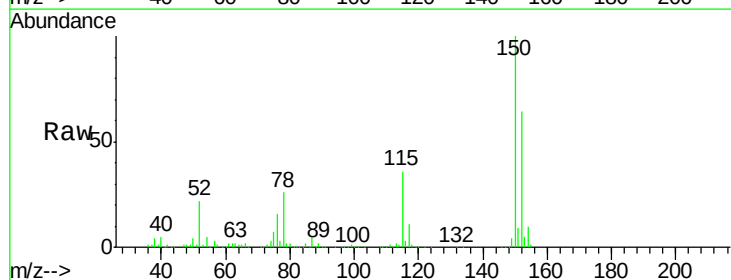
Instrument :
MSVOA_U
ClientSampleId :

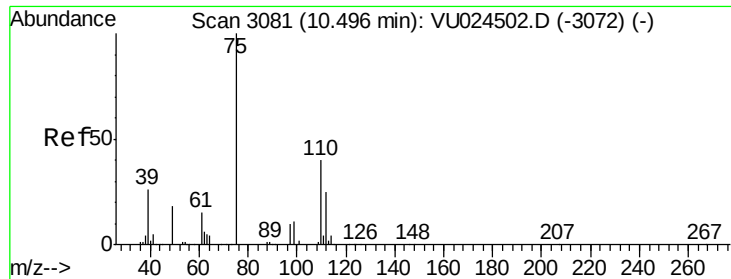
Tot Ion:117 Resp: 327938
Ion Ratio Lower Upper
117 100
82 56.3 44.3 66.5
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

Tgt Ion:152 Resp: 184411
Ion Ratio Lower Upper
152 100
115 56.5 43.0 129.0
150 154.8 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 24.64 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

Instrument :

MSVOA_U

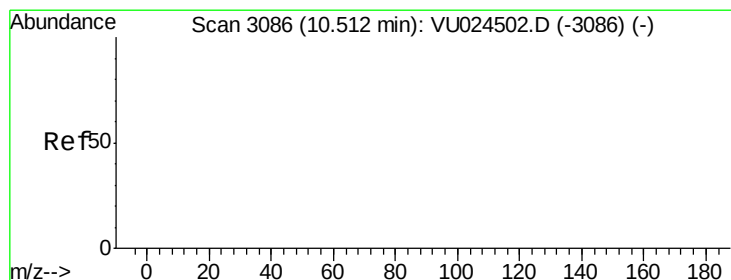
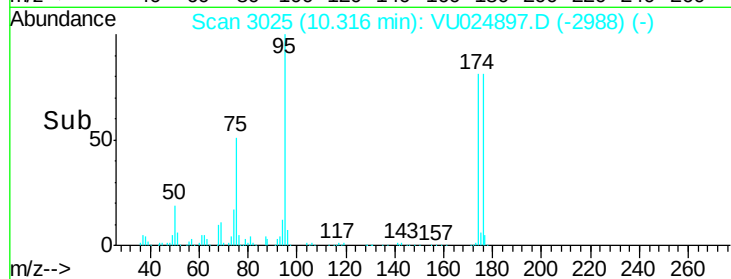
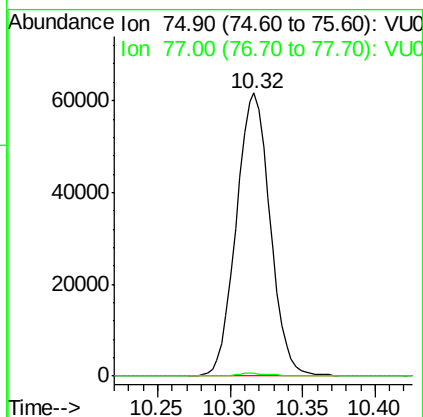
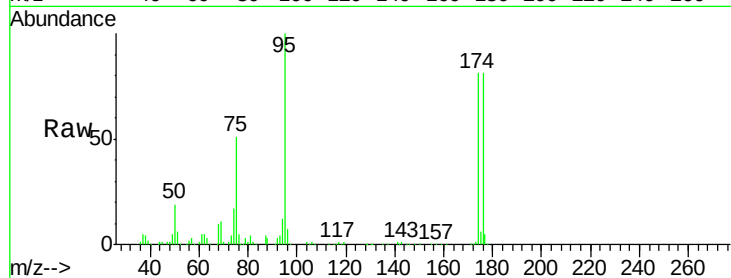
ClientSampleId :

Tot Ion: 75 Resp: 100038

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.03 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024897.D

Acq: 26 Jun 2018 00:37

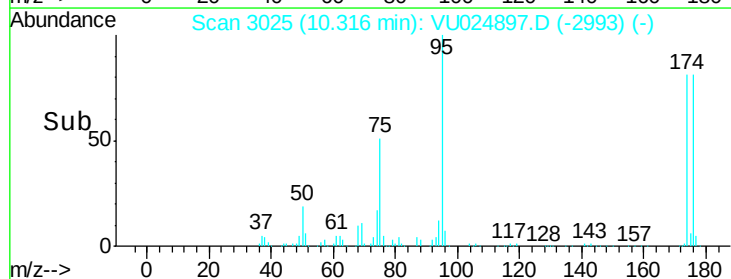
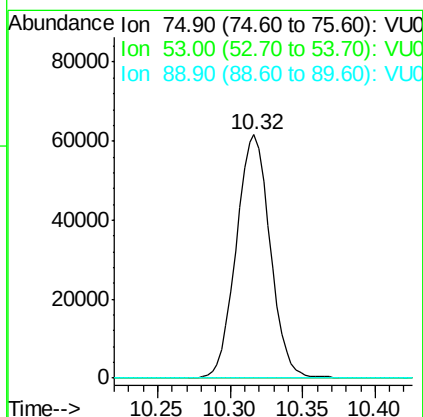
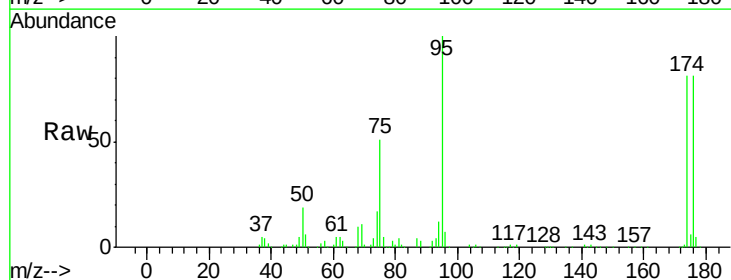
Tgt Ion: 75 Resp: 100038

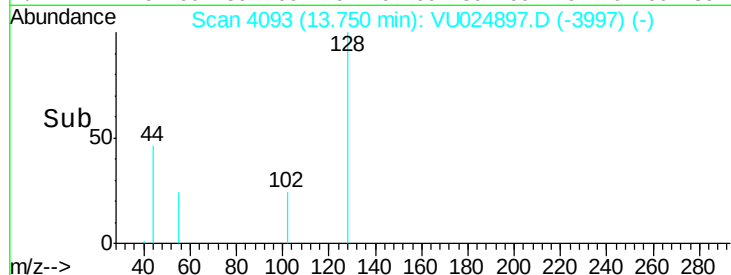
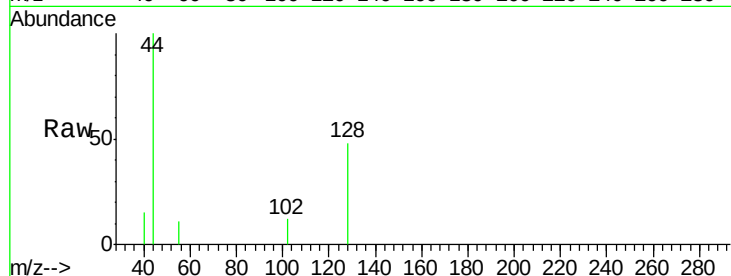
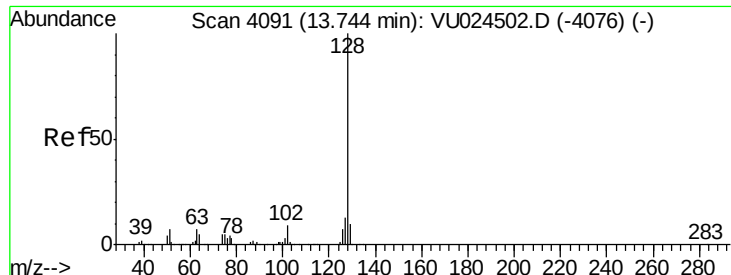
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95
Naphthalene
Concen: 0.71 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU024897.D
Acq: 26 Jun 2018 00:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

