

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024871.D
 Acq On : 25 Jun 2018 13:42
 Operator : MD/SY
 Sample : J3662-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:13:33 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	205715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	316362	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	292504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	153627	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	4.89	113	124266	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
50) Toluene-d8	7.57	98	459572	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	10.31	95	167500	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	

Target Compounds

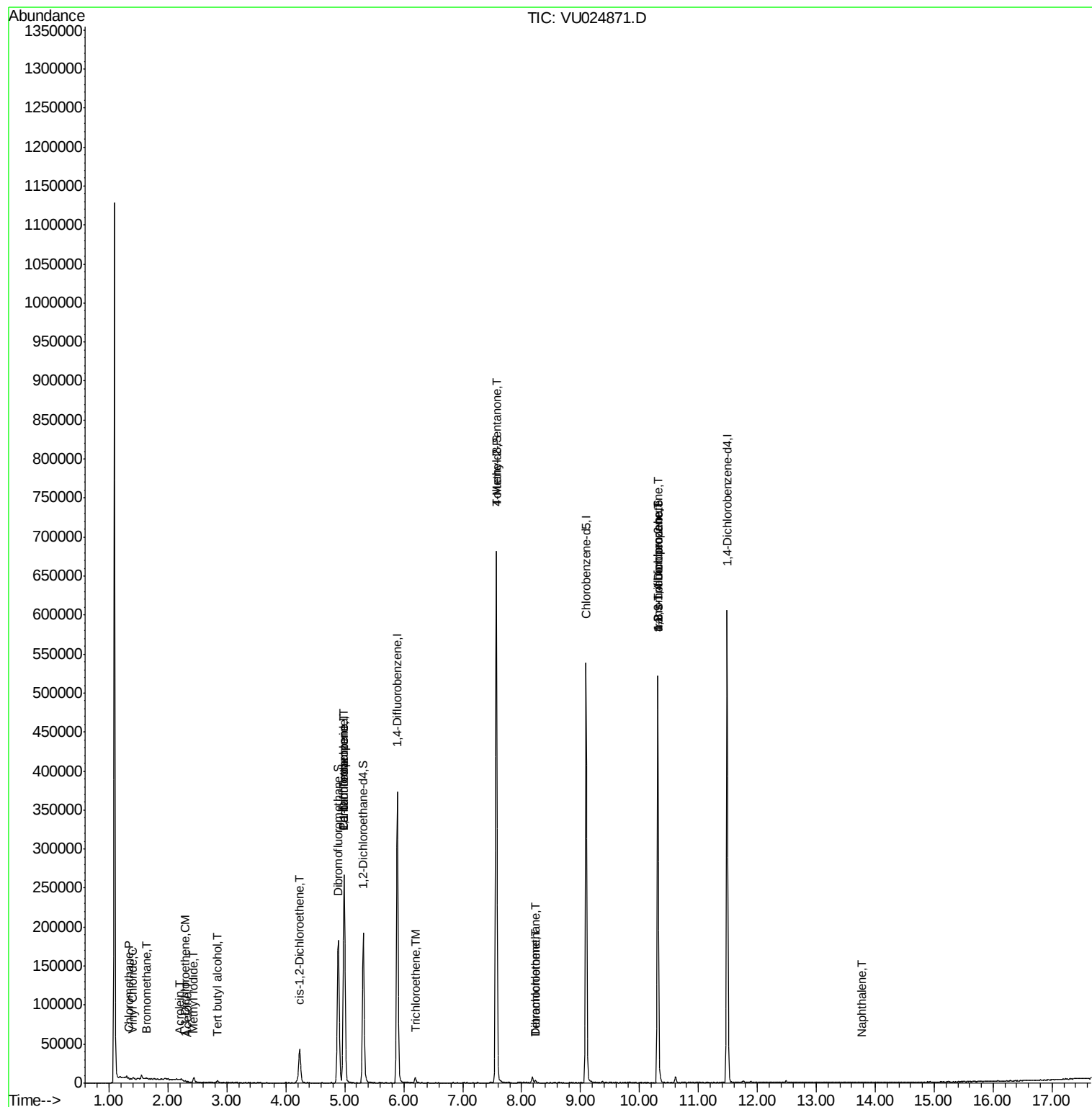
						Qvalue
3) Chloromethane	1.33	50	758	0.29	ug/l	# 79
4) Vinyl Chloride	1.41	62	732	0.27	ug/l	# 84
5) Bromomethane	1.64	94	543	0.41	ug/l	86
6) Chloroethane	1.70	64	310	Below Cal		# 43
10) Methyl Iodide	2.43	142	310	5.42	ug/l	# 40
11) Tert butyl alcohol	2.83	59	2088	2.56	ug/l	# 72
12) 1,1-Dichloroethene	2.29	96	542	0.23	ug/l	# 85
13) Acrolein	2.20	56	276	0.64	ug/l	96
16) Acetone	2.32	43	836	0.46	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	24411	8.23	ug/l	88
31) Cyclohexane	4.99	56	4337	Below Cal		# 4
36) 1,1-Dichloropropene	4.99	75	15959	4.29	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	20180	4.94	ug/l	# 17
44) Trichloroethene	6.20	130	2292	0.76	ug/l	93
51) 4-Methyl-2-Pentanone	7.57	43	2021	0.46	ug/l	# 1
60) Dibromochloromethane	8.23	129	838	0.24	ug/l	# 11
64) Tetrachloroethene	8.23	164	754	0.27	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	88186	25.56	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	88186	59.15	ug/l	# 100
95) Naphthalene	13.76	128	666	0.74	ug/l	# 69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024871.D
Acq On : 25 Jun 2018 13:42
Operator : MD/SY
Sample : J3662-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:13:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

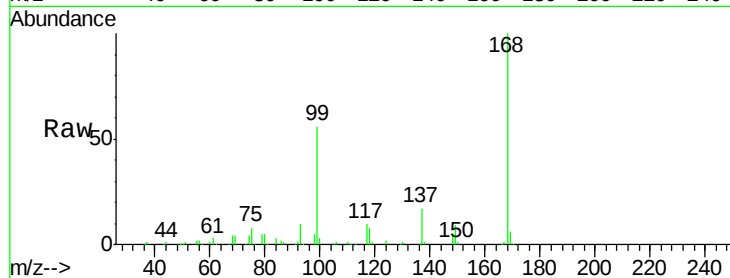
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 205715

Ion Ratio Lower Upper

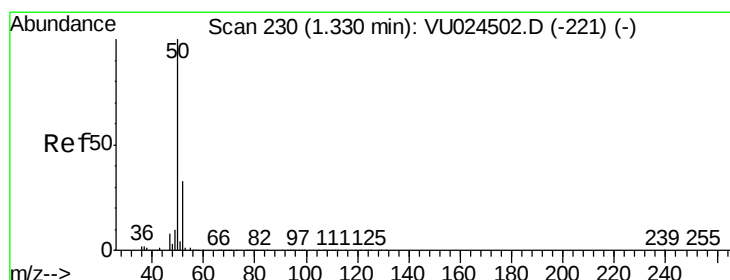
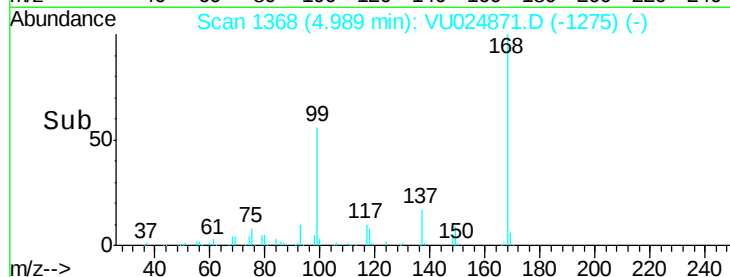
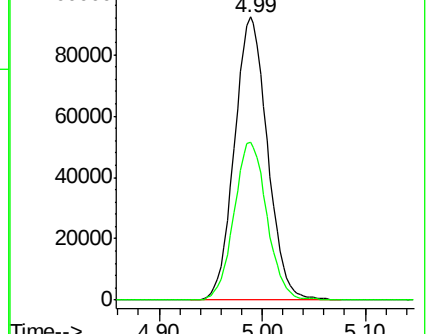
168 100

99 56.0 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024871.D

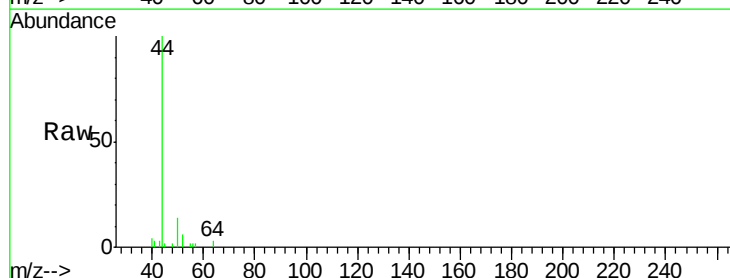
Acq: 25 Jun 2018 13:42

Tgt Ion: 50 Resp: 758

Ion Ratio Lower Upper

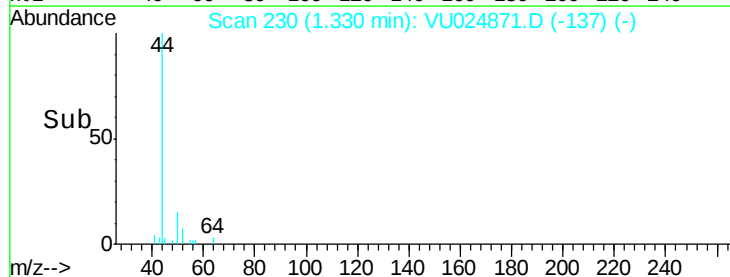
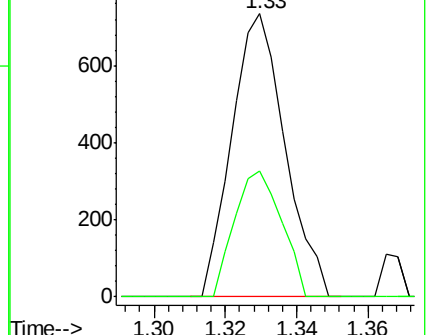
50 100

52 44.7 26.4 39.6#



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

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#4

Vinyl Chloride

Concen: 0.27 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

Instrument :

MSVOA_U

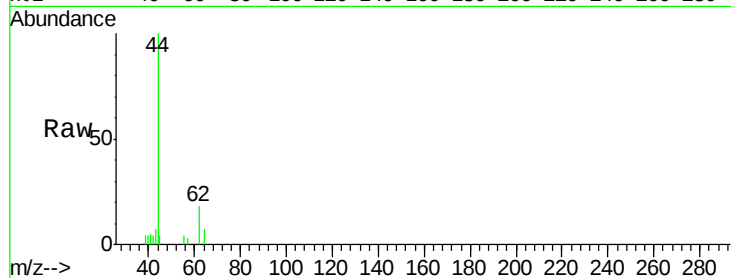
ClientSampleId :

Tot Ion: 62 Resp: 732

Ion Ratio Lower Upper

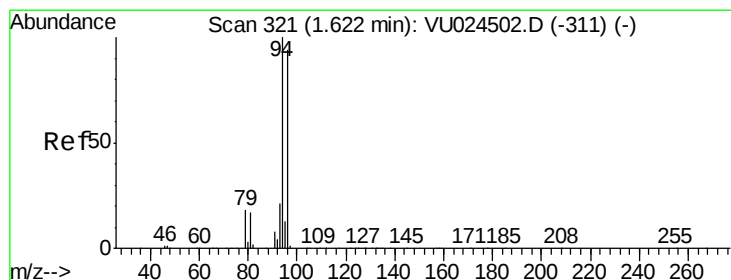
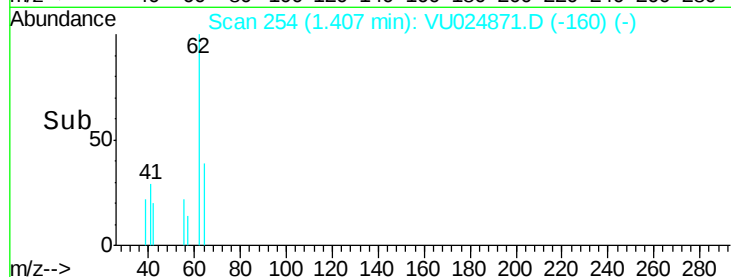
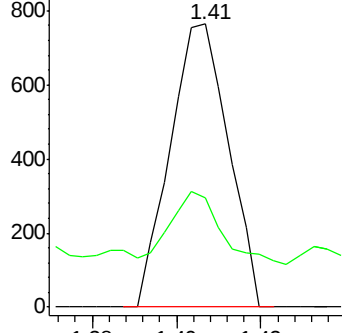
62 100

64 22.4 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024871.D

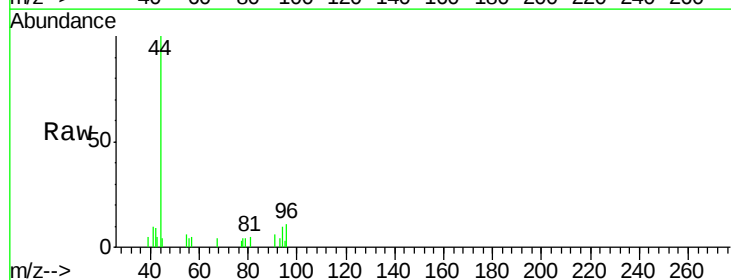
Acq: 25 Jun 2018 13:42

Tgt Ion: 94 Resp: 543

Ion Ratio Lower Upper

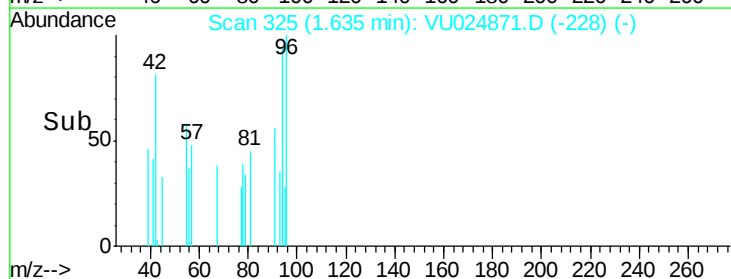
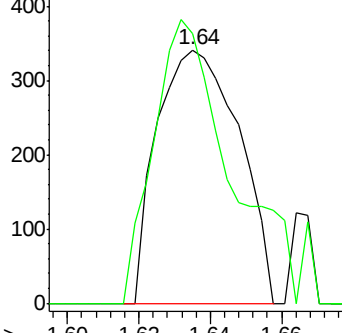
94 100

96 106.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

Instrument :

MSVOA_U

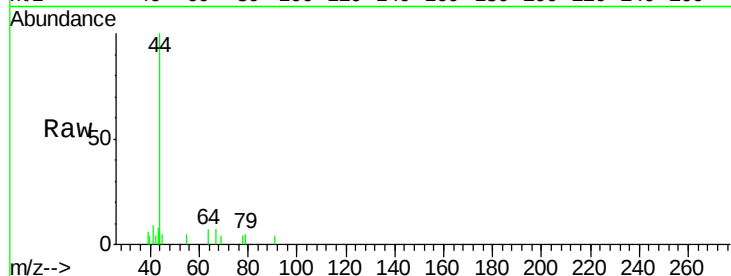
ClientSampleId :

Tot Ion: 64 Resp: 310

Ion Ratio Lower Upper

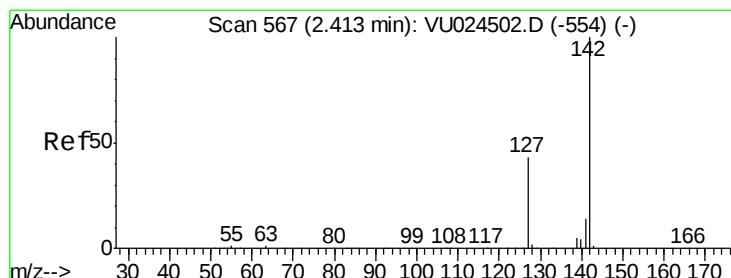
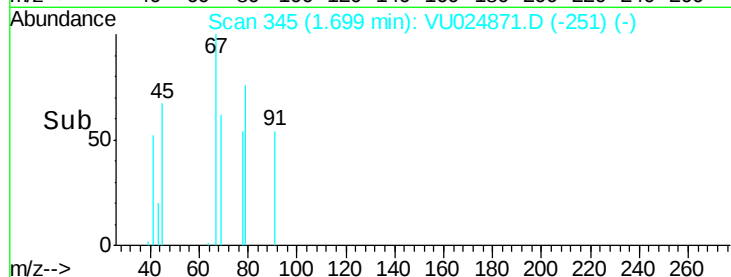
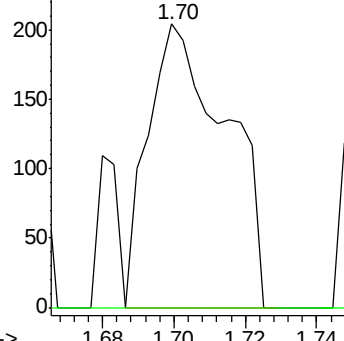
64 100

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



#10

Methyl Iodide

Concen: 5.42 ug/l

RT: 2.43 min Scan# 571

Delta R.T. 0.01 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

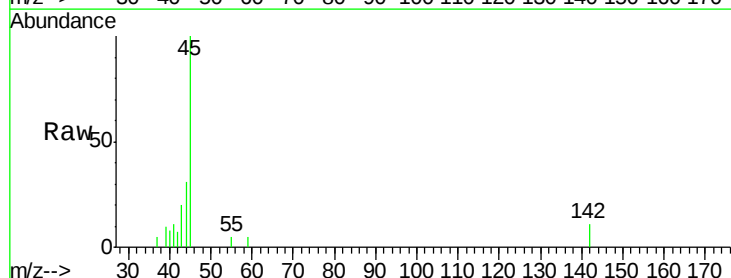
Tgt Ion: 142 Resp: 310

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

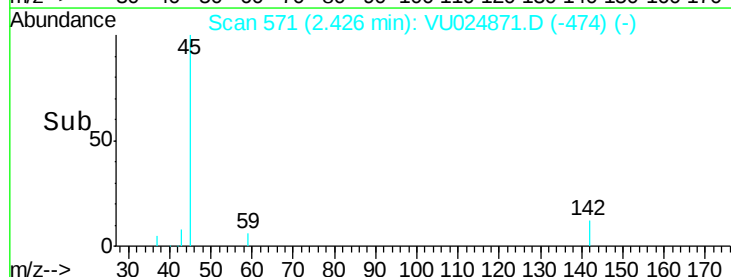
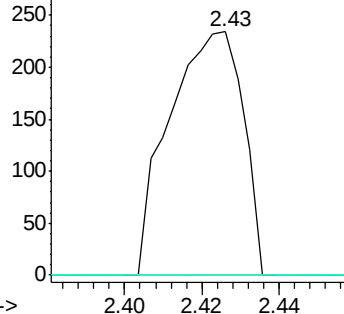
141 0.0 11.7 17.5#

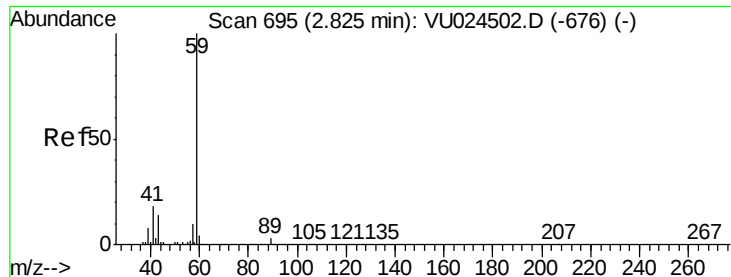


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



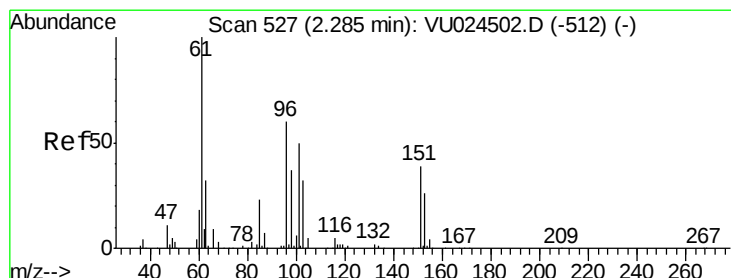
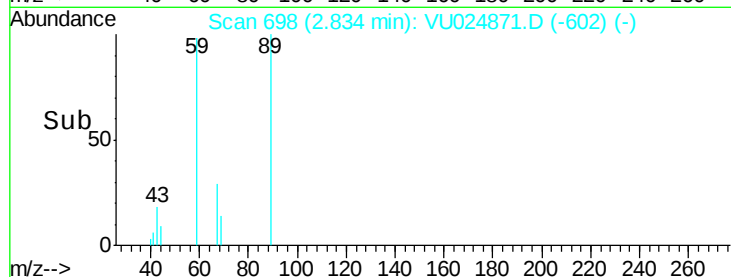
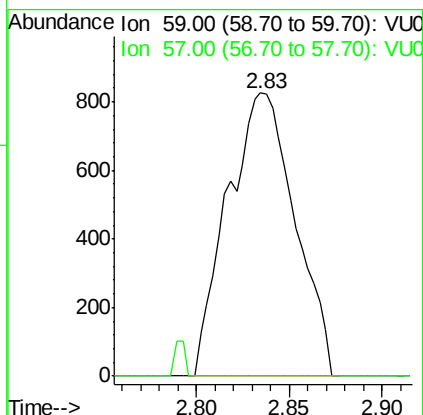
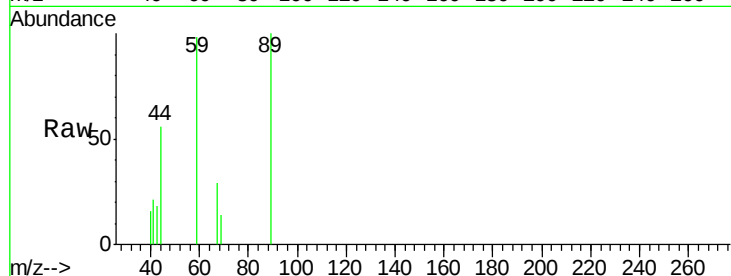


#11

Tert butyl alcohol
Concen: 2.56 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Instrument :
MSVOA_U
ClientSampleId :

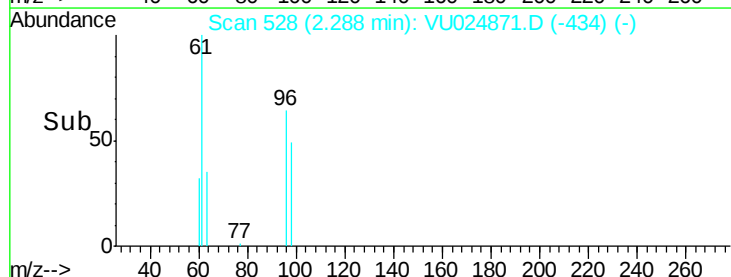
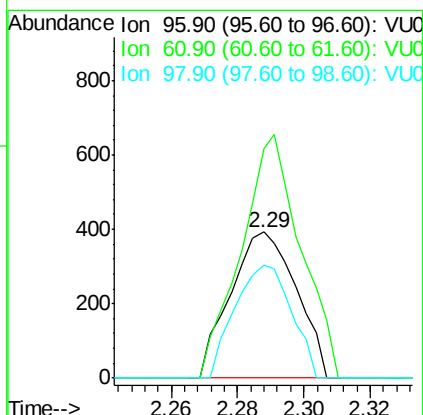
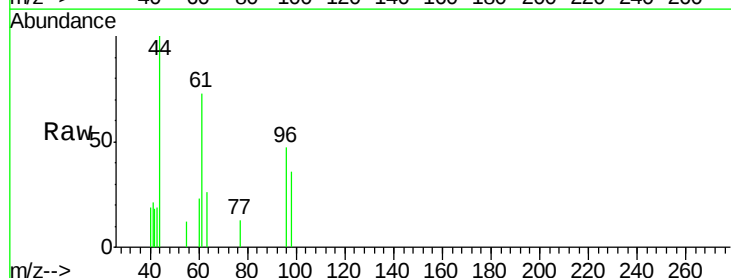
Tot Ion: 59 Resp: 2088
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

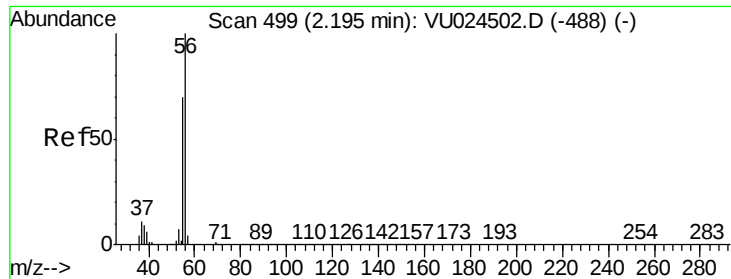


#12

1,1-Dichloroethene
Concen: 0.23 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Tgt Ion: 96 Resp: 542
Ion Ratio Lower Upper
96 100
61 157.3 141.7 212.5
98 77.6 51.6 77.4#





#13

Acrolein

Concen: 0.64 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

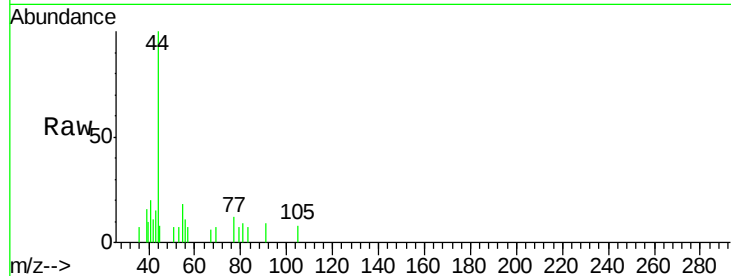
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

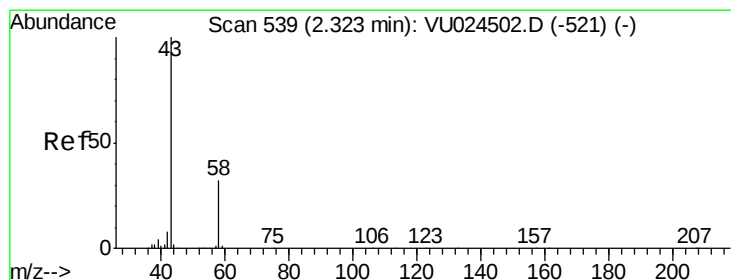
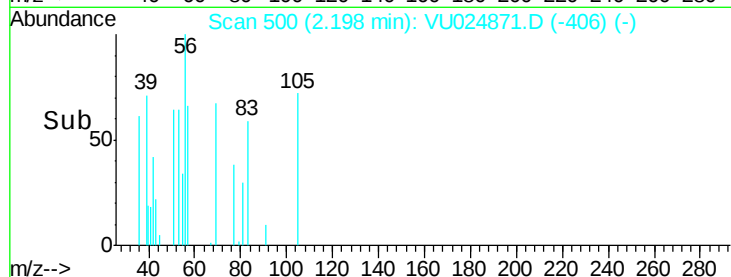
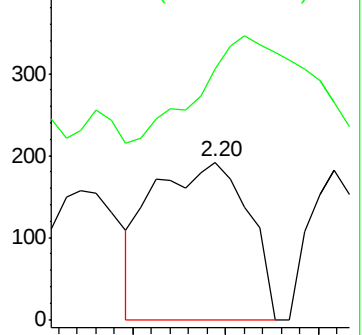
56 100

55 76.1 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 0.46 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024871.D

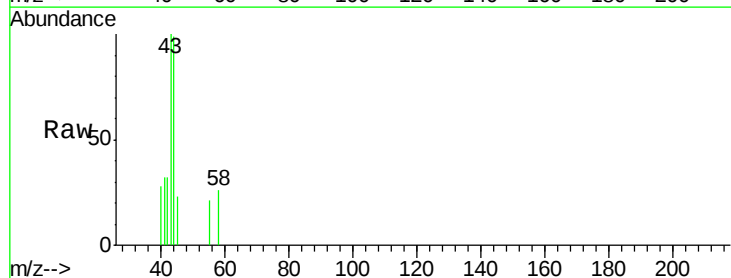
Acq: 25 Jun 2018 13:42

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

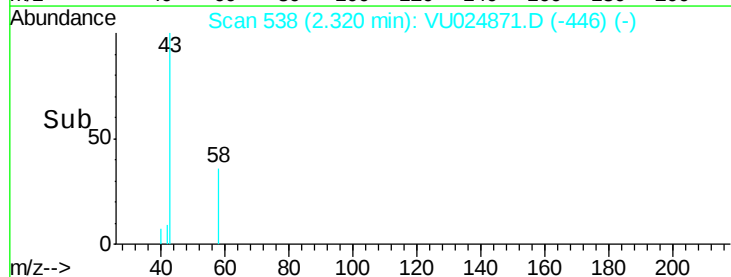
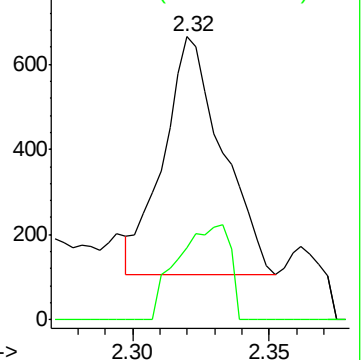
43 100

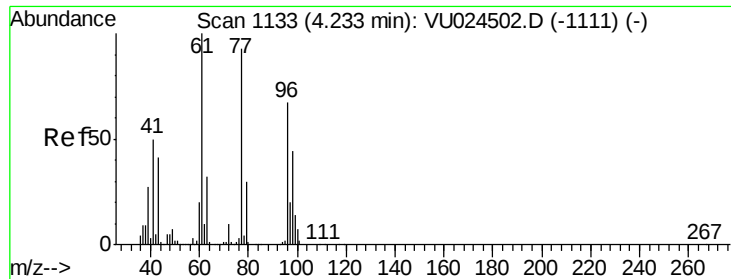
58 30.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

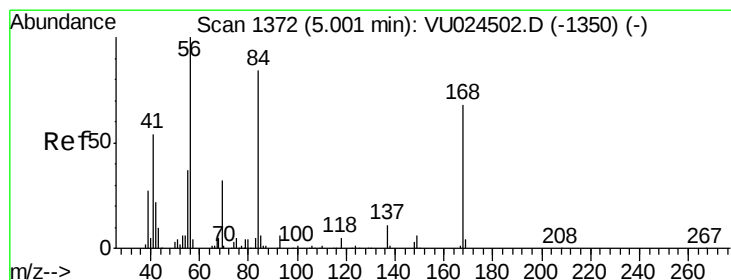
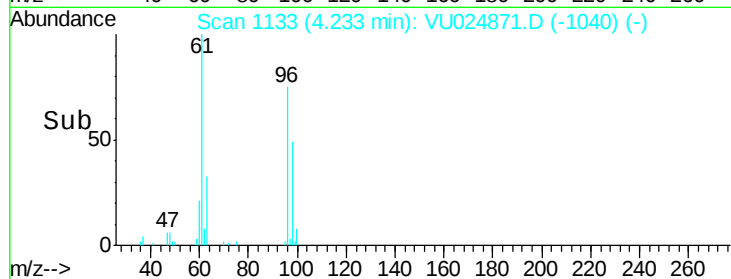
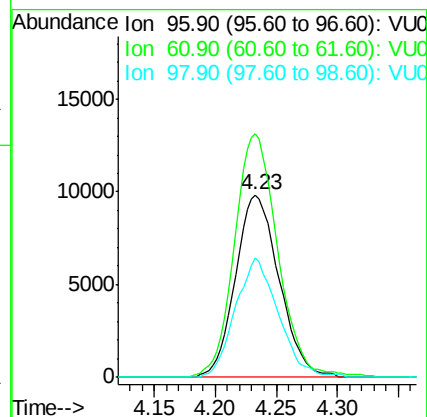
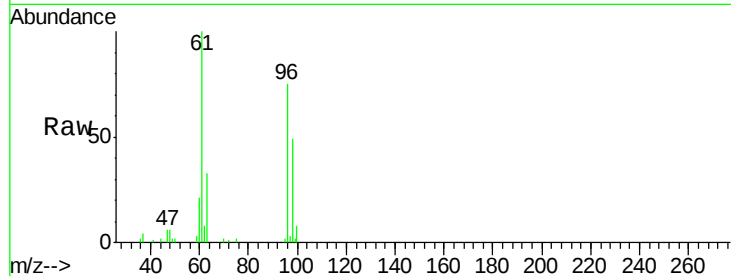




#27
 cis-1,2-Dichloroethene
 Concen: 8.23 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU024871.D
 Acq: 25 Jun 2018 13:42

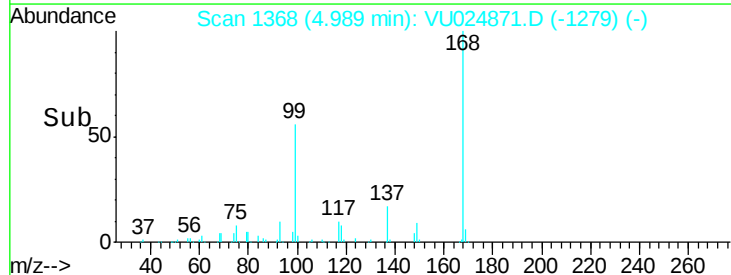
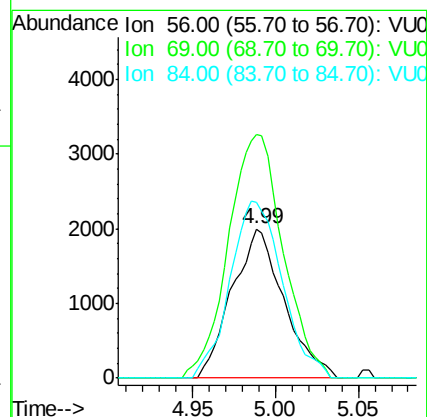
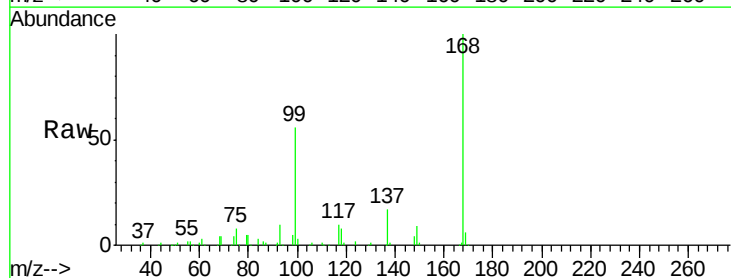
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 24411
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 306.6
 98 64.2 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VU024871.D
 Acq: 25 Jun 2018 13:42

Tgt Ion: 56 Resp: 4337
 Ion Ratio Lower Upper
 56 100
 69 163.0 24.8 37.2#
 84 118.0 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 45.74 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

Instrument :

MSVOA_U

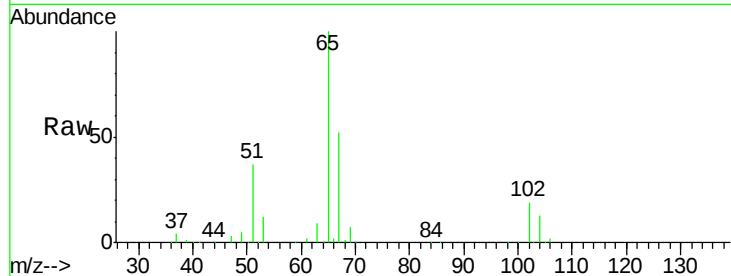
ClientSampleId :

Tot Ion: 65 Resp: 153627

Ion Ratio Lower Upper

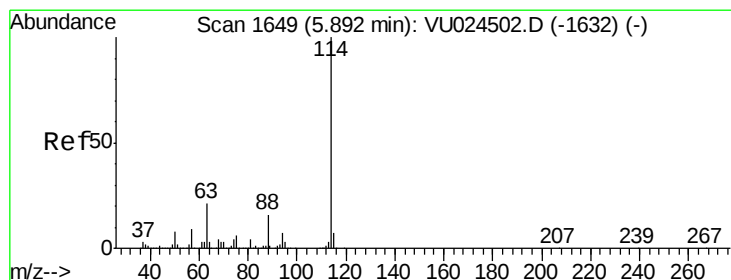
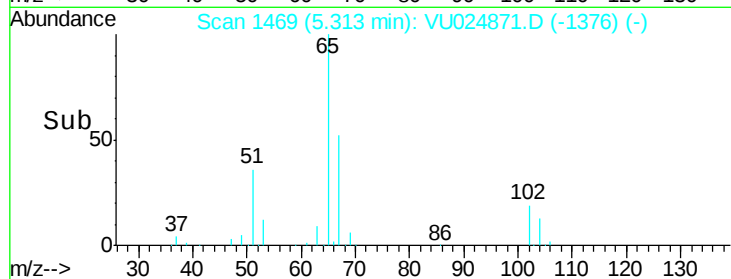
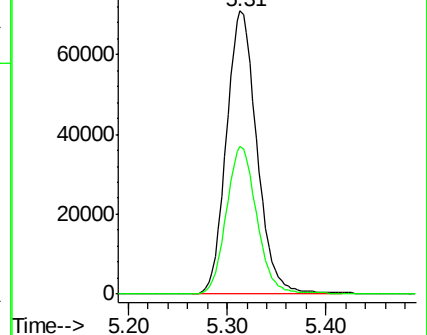
65 100

67 51.8 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024871.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024871.D (-1376) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

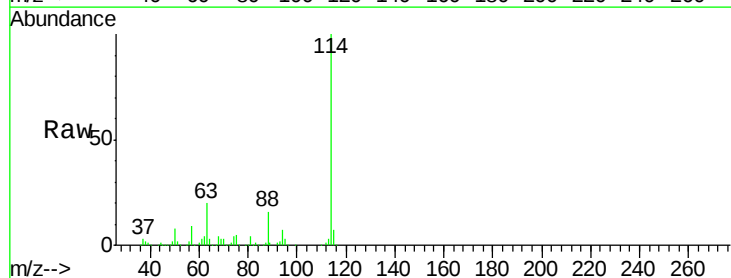
Tgt Ion: 114 Resp: 316362

Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.4

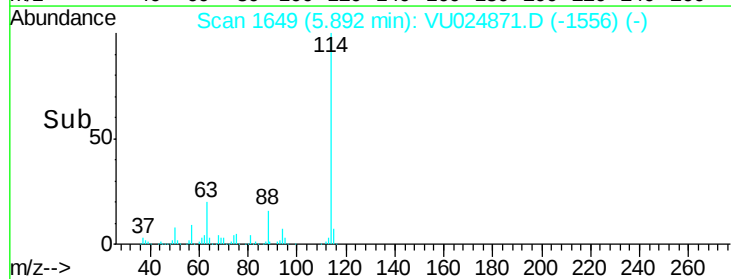
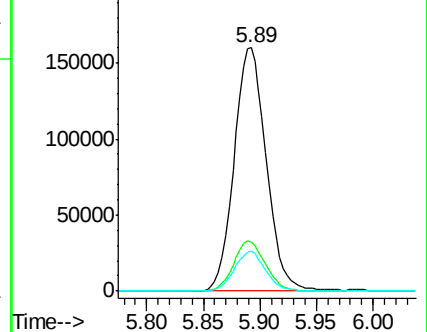
88 16.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024871.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024871.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024871.D (-1556) (-)

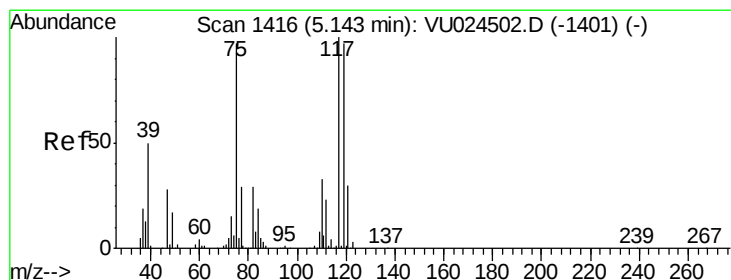
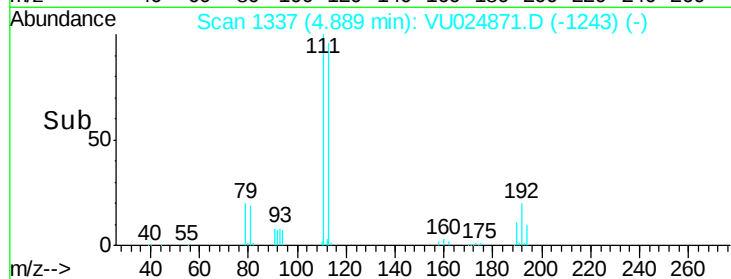
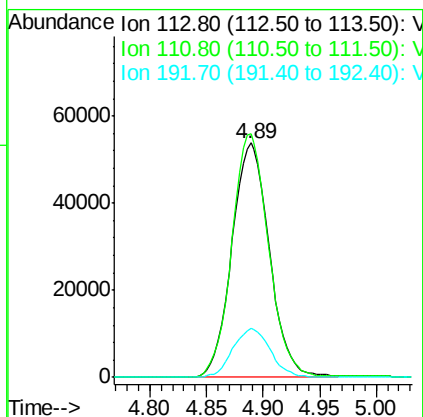
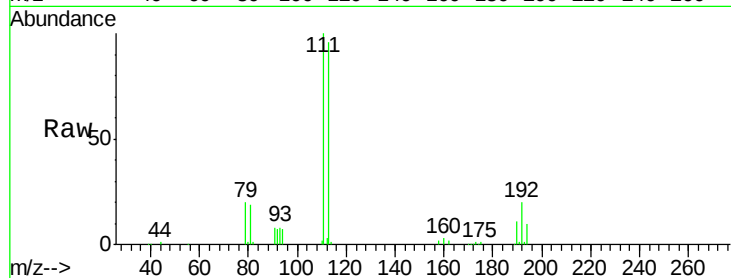




#35
 Dibromofluoromethane
 Concen: 47.33 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024871.D
 Acq: 25 Jun 2018 13:42

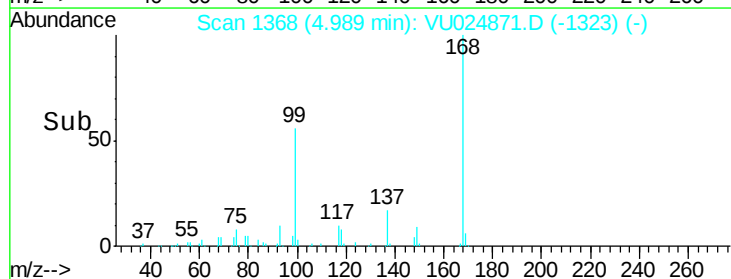
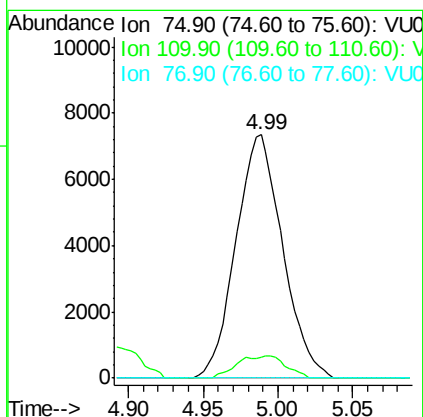
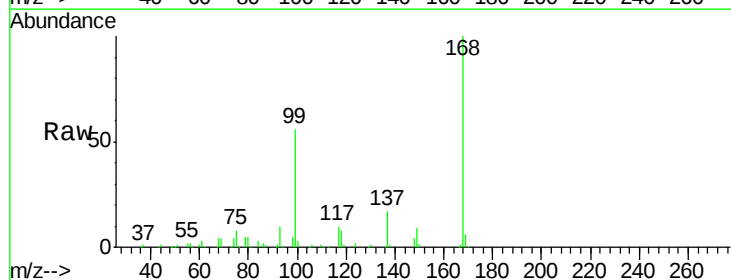
Instrument :
 MSVOA_U
 ClientSampleId :

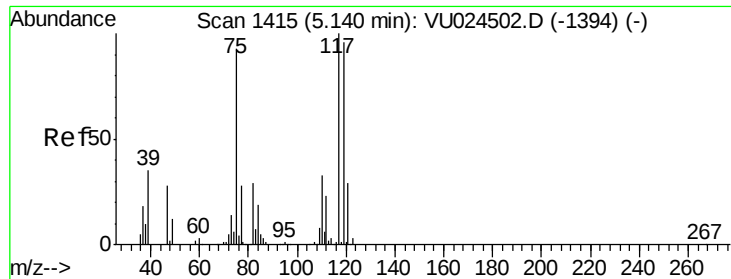
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.29 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024871.D
 Acq: 25 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.94 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

Instrument :
MSVOA_U
ClientSampleId :

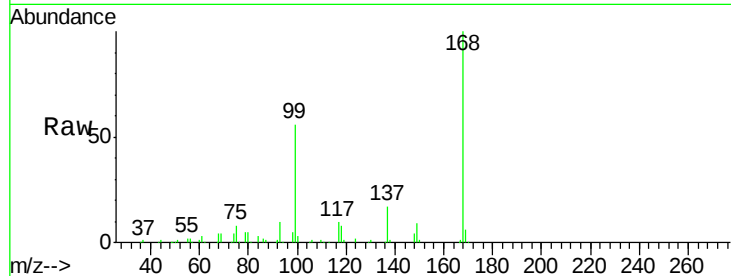
Tot Ion:117 Resp: 20180

Ion Ratio Lower Upper

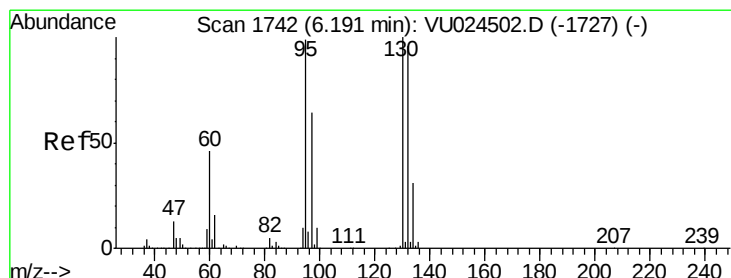
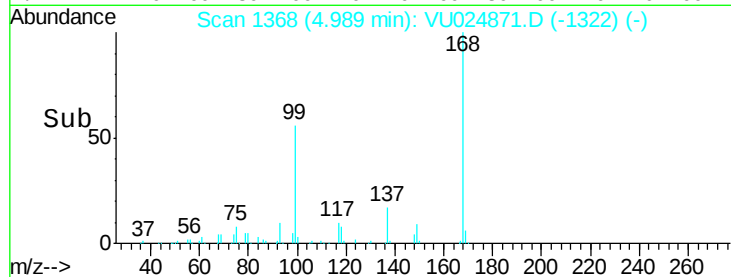
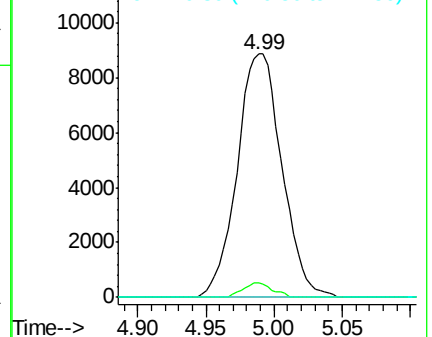
117 100

119 6.1 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



#44

Trichloroethene

Concen: 0.76 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU024871.D

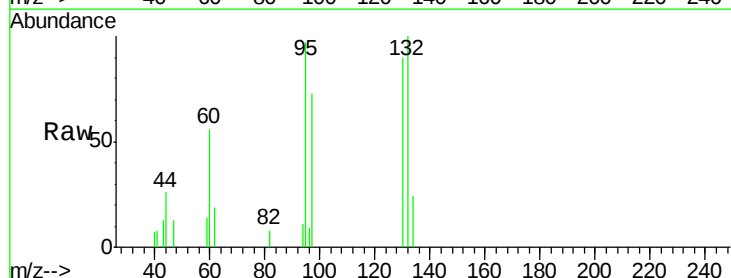
Acq: 25 Jun 2018 13:42

Tgt Ion:130 Resp: 2292

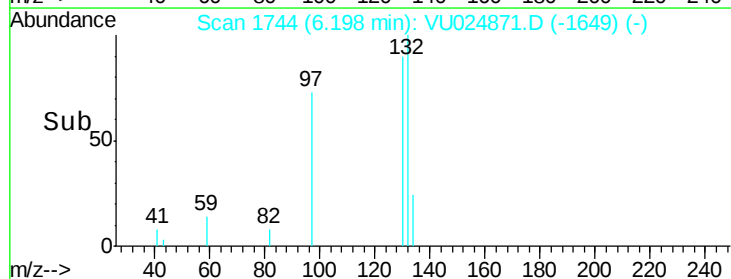
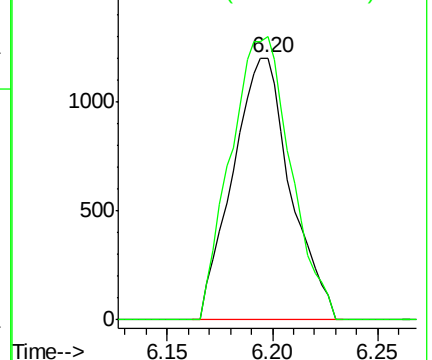
Ion Ratio Lower Upper

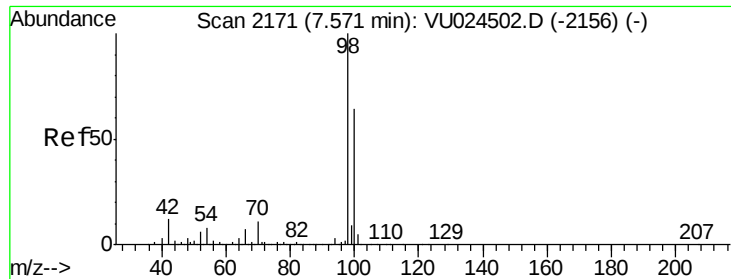
130 100

95 108.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

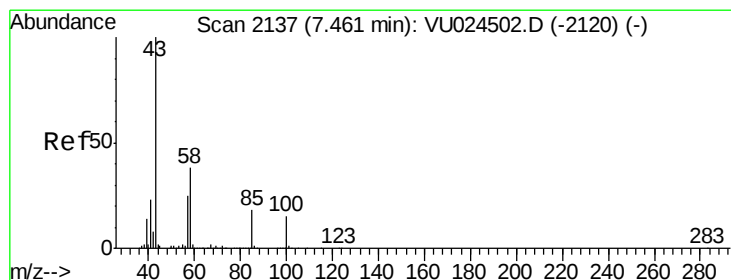
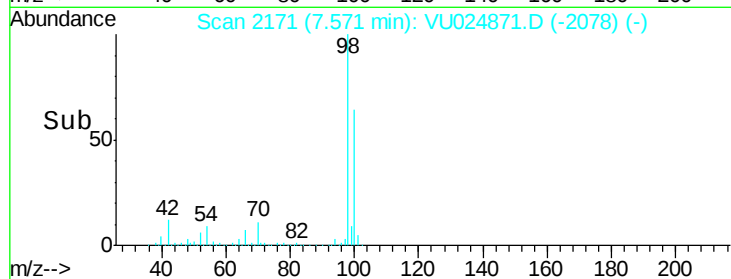
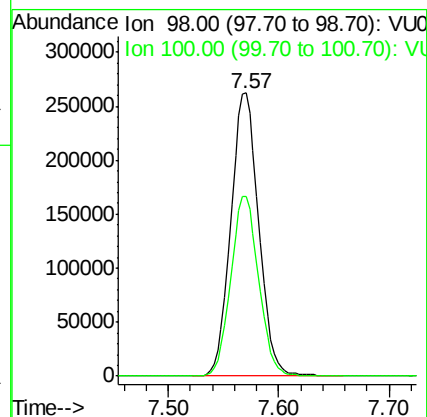
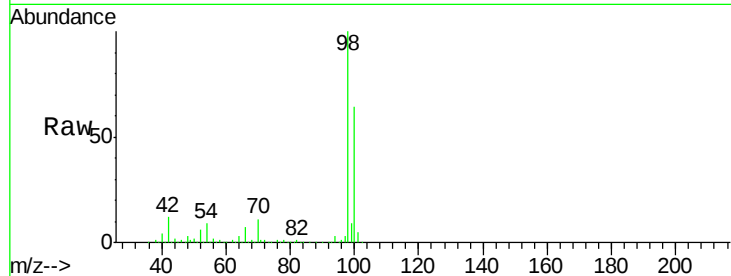




#50
Toluene-d8
Concen: 47.99 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

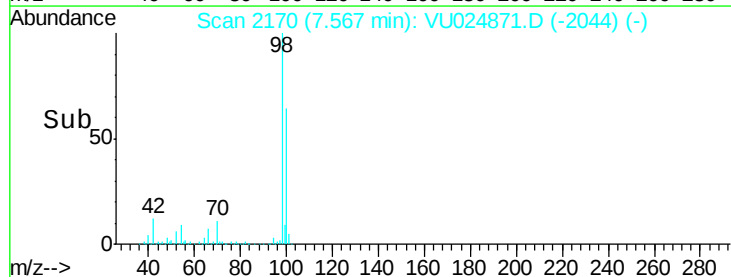
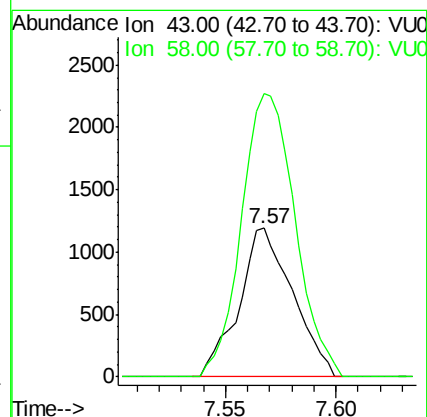
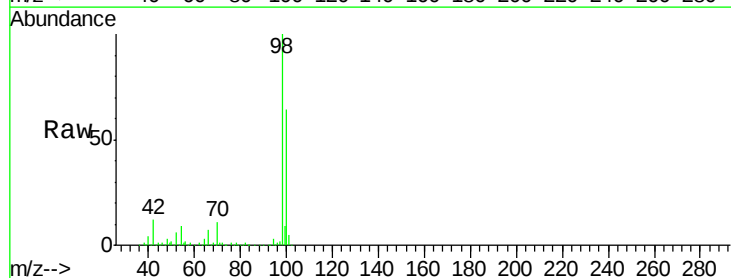
Instrument :
MSVOA_U
ClientSampleId :

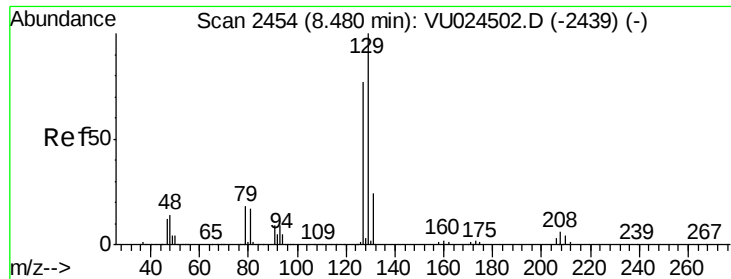
Tot Ion: 98 Resp: 459572
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
58 189.9 30.0 45.0#





#60

Dibromochloromethane

Concen: 0.24 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

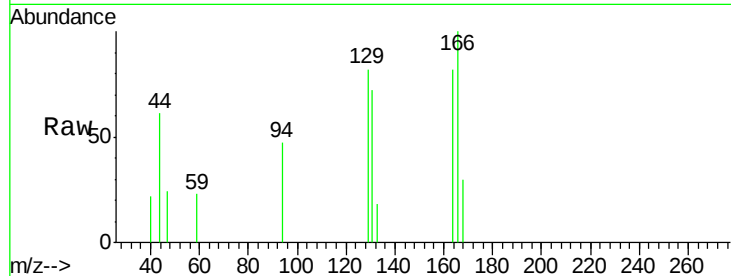
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:129 Resp: 838

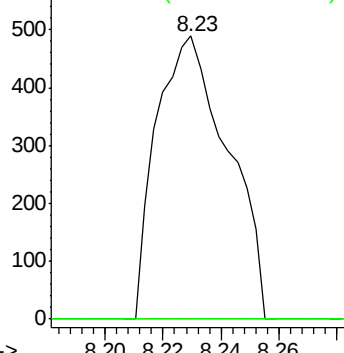
Ion Ratio Lower Upper

129 100

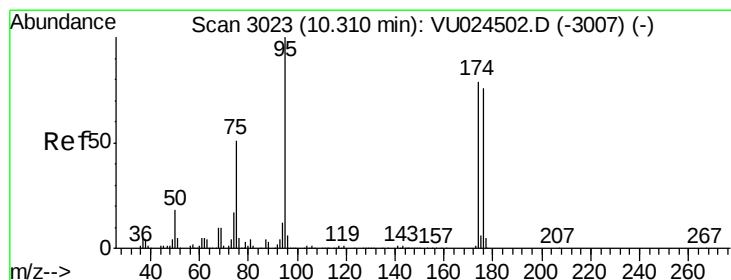
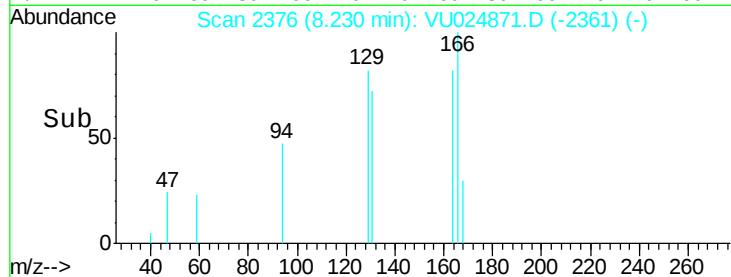
127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 44.05 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

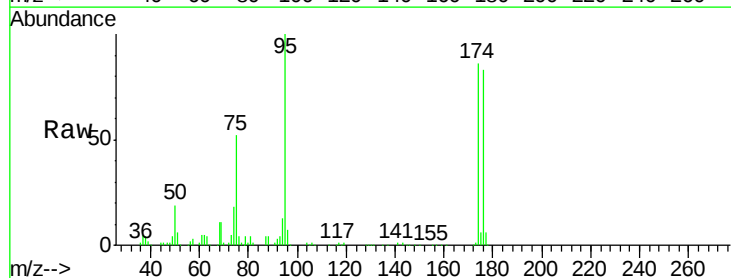
Tgt Ion: 95 Resp: 167500

Ion Ratio Lower Upper

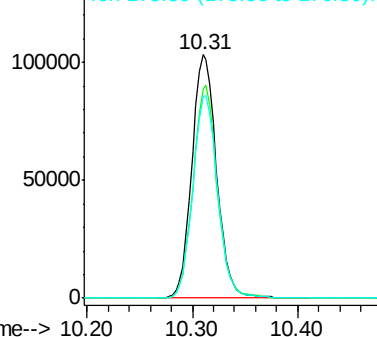
95 100

174 85.2 0.0 165.8

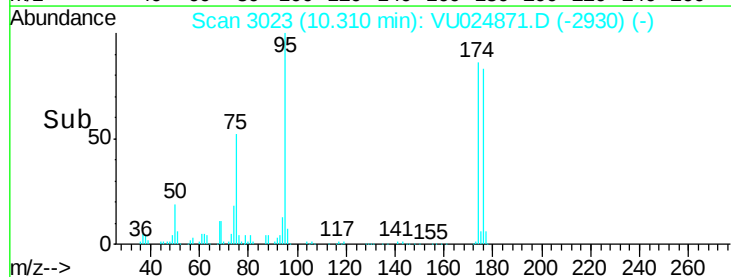
176 83.5 0.0 159.4

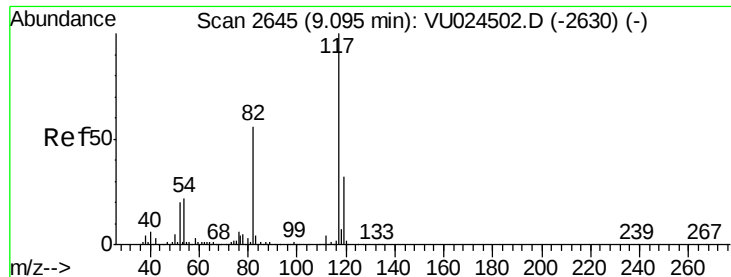


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V



Time-->

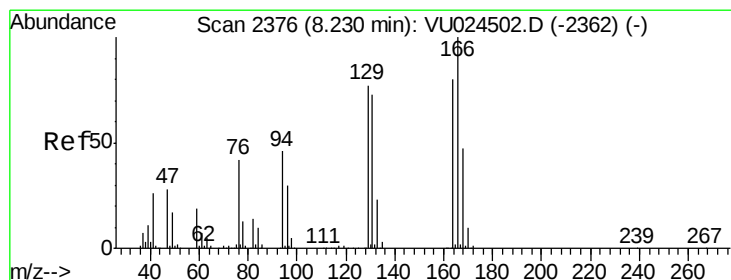
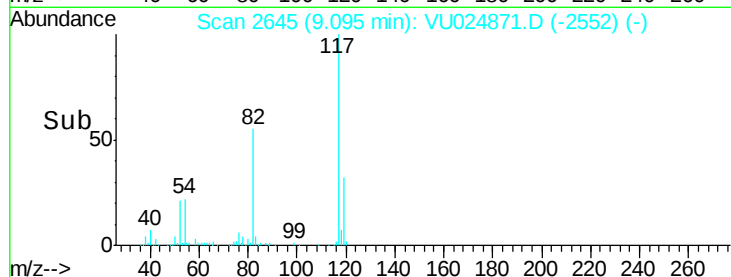
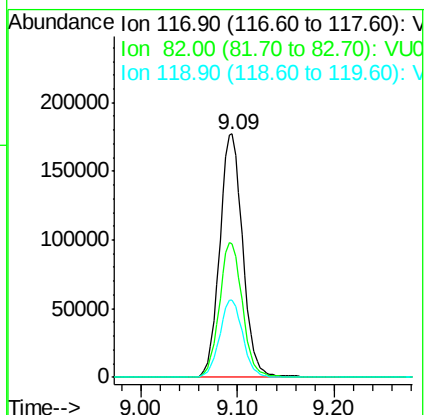
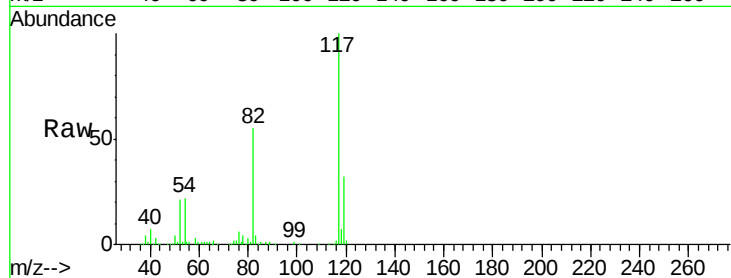




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

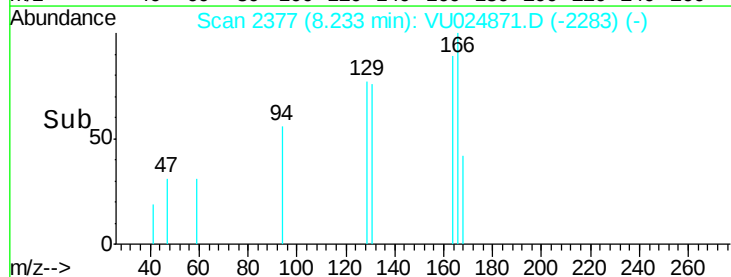
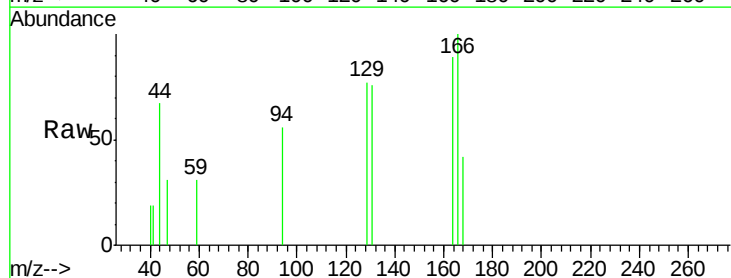
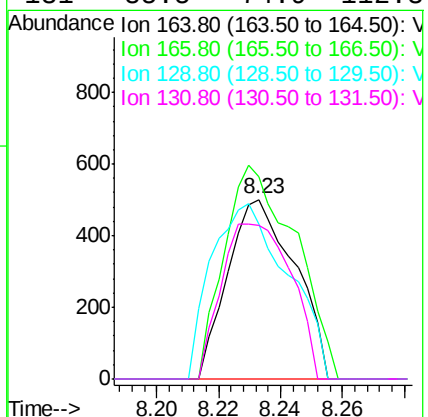
Instrument :
MSVOA_U
ClientSampleId :

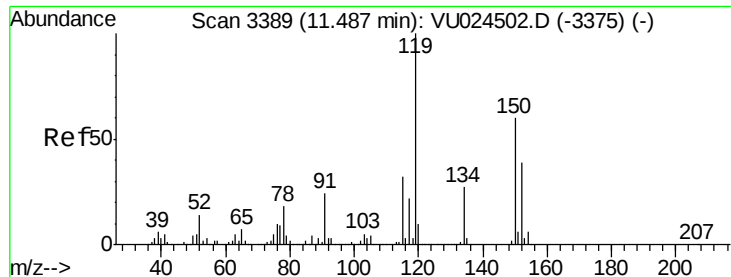
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	31.9	25.4	38.2



#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.2	101.7	152.5
129	86.3	76.9	115.3
131	85.5	74.9	112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024871.D

Acq: 25 Jun 2018 13:42

Instrument :

MSVOA_U

ClientSampleId :

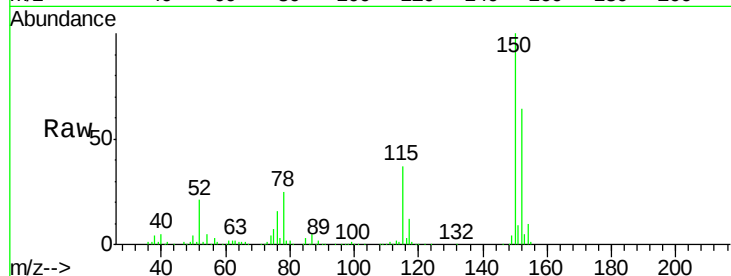
Tot Ion:152 Resp: 156724

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

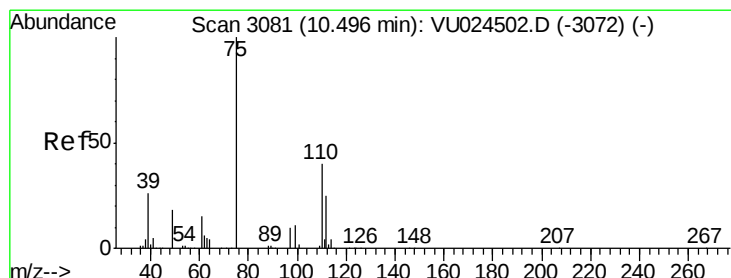
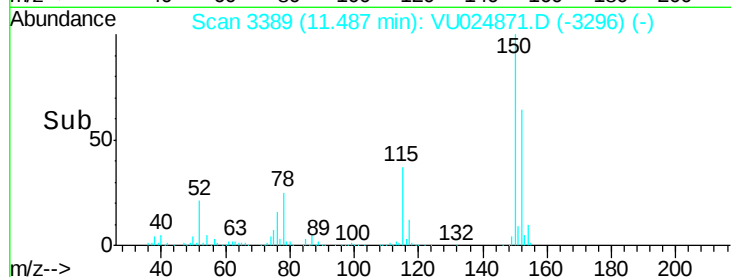
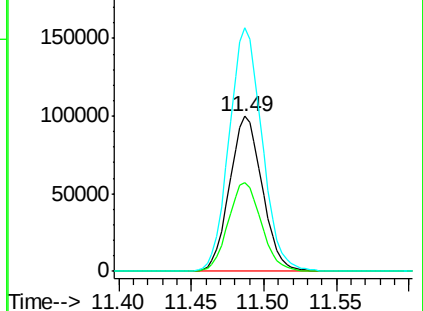
150 157.3 0.0 354.0



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: 25.56 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024871.D

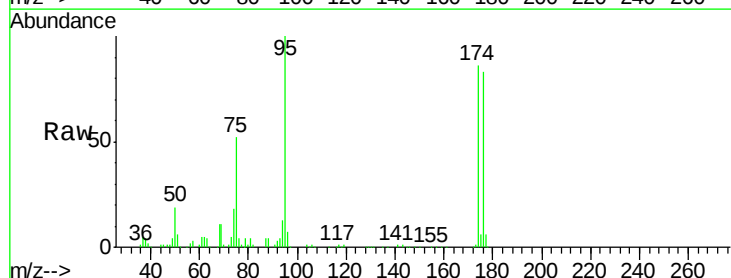
Acq: 25 Jun 2018 13:42

Tgt Ion: 75 Resp: 88186

Ion Ratio Lower Upper

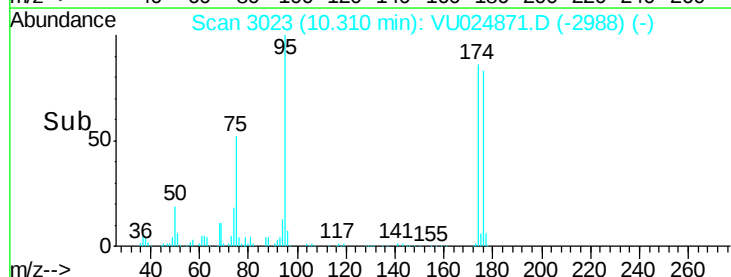
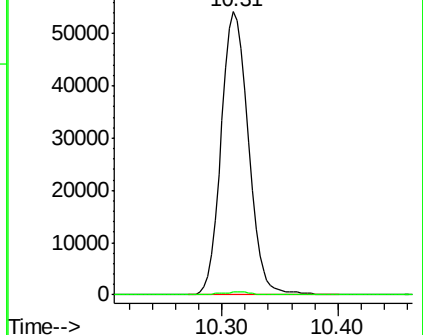
75 100

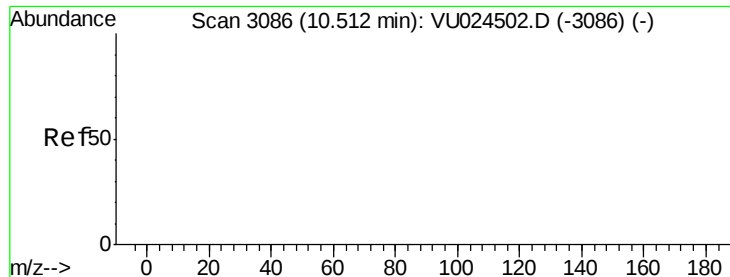
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

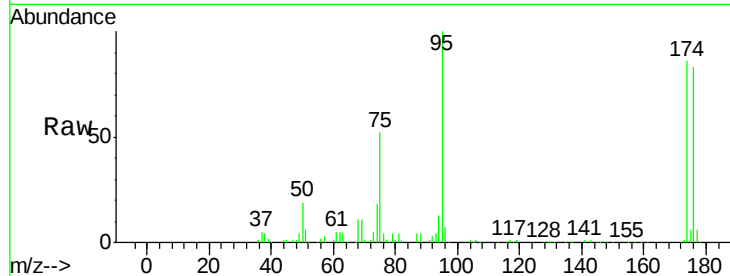




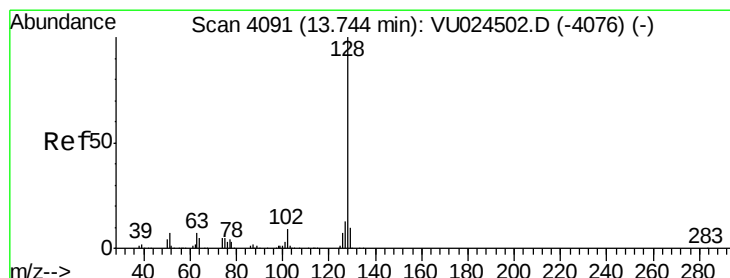
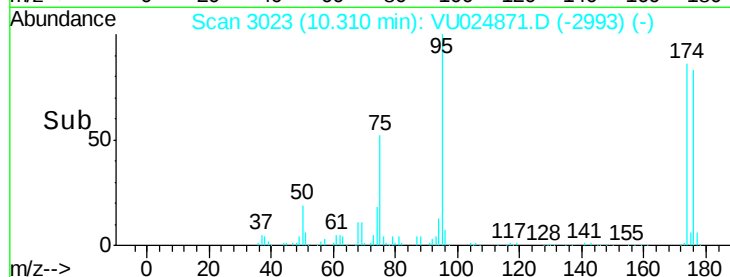
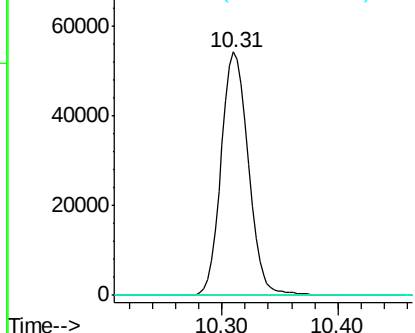
#81
trans-1,4-Dichloro-2-butene
Concen: 59.15 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 88186
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

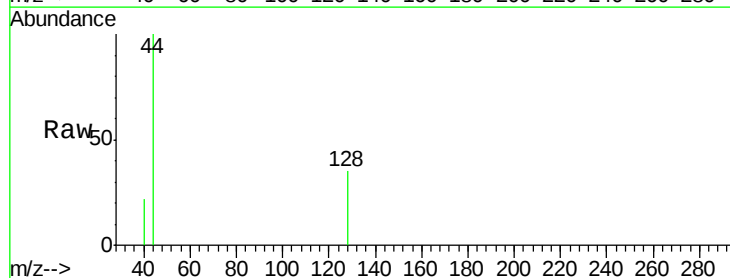


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.74 ug/l
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU024871.D
Acq: 25 Jun 2018 13:42

Tgt Ion:128 Resp: 666
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

