

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024878.D
 Acq On : 25 Jun 2018 16:32
 Operator : MD/SY
 Sample : J3662-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:15:46 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	198150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303543	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148652	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	148086	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
35) Dibromofluoromethane	4.89	113	119108	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
50) Toluene-d8	7.57	98	440157	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	10.31	95	162316	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

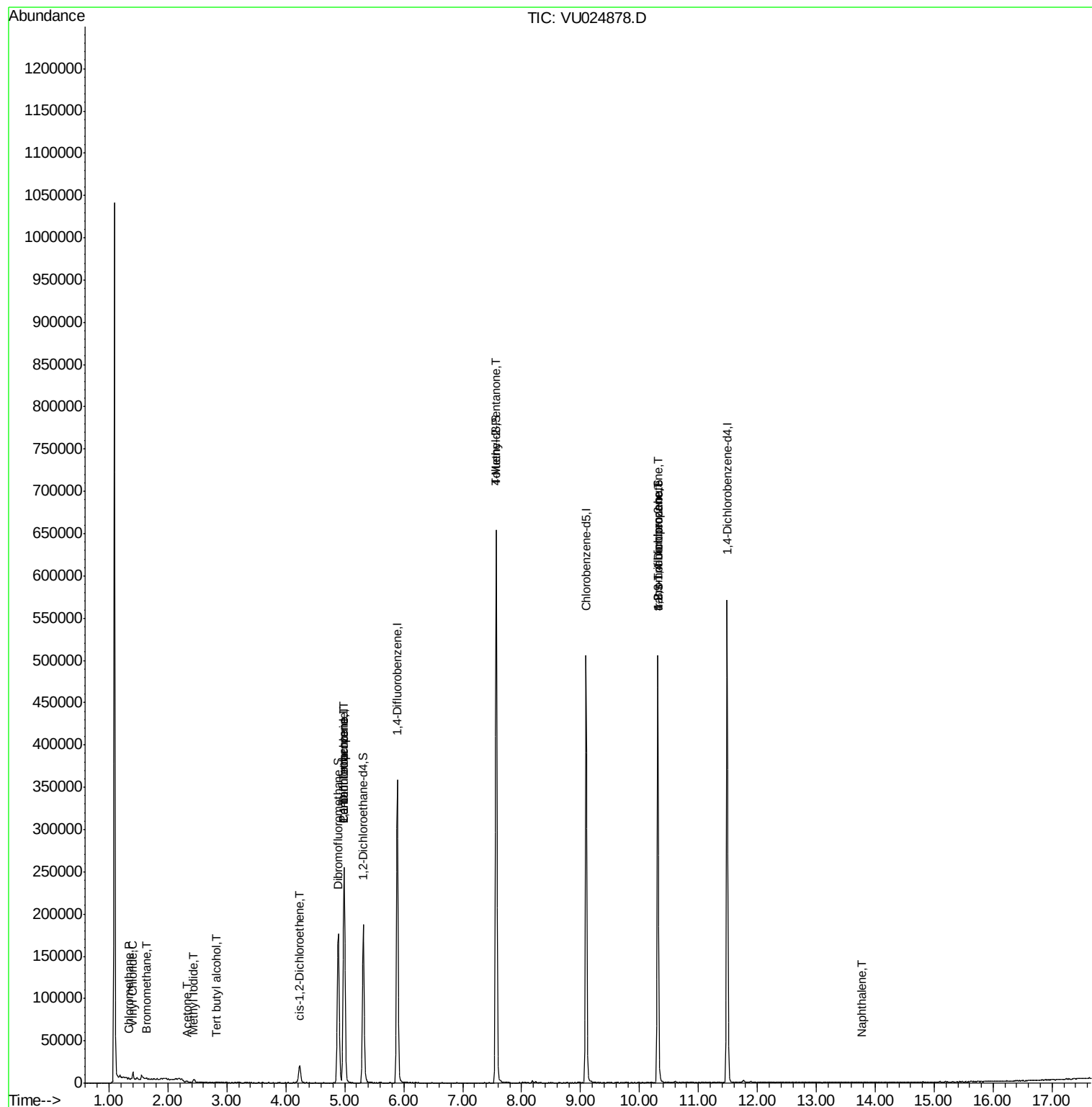
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	630	0.25	ug/l #	85
4) Vinyl Chloride	1.40	62	5194	1.99	ug/l	97
5) Bromomethane	1.64	94	456	0.36	ug/l #	79
6) Chloroethane	1.66	64	115	Below Cal	#	43
10) Methyl Iodide	2.42	142	184	5.37	ug/l #	40
11) Tert butyl alcohol	2.83	59	227	0.29	ug/l #	72
16) Acetone	2.33	43	1101	0.63	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	11867	4.15	ug/l	89
31) Cyclohexane	4.99	56	4299	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14280	4.00	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19056	4.86	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	2052	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	83452	25.50	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	83452	59.01	ug/l #	100
95) Naphthalene	13.77	128	610	0.73	ug/l #	69

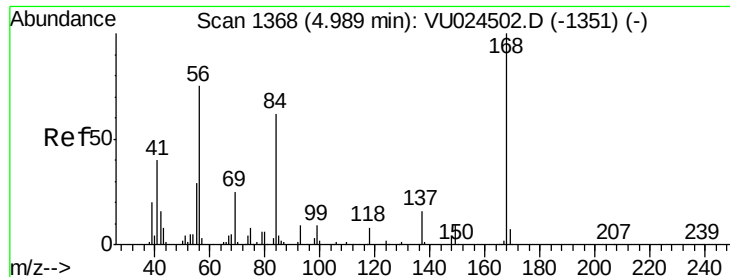
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024878.D
Acq On : 25 Jun 2018 16:32
Operator : MD/SY
Sample : J3662-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:15:46 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: VU024878.D

Acq: 25 Jun 2018 16:32

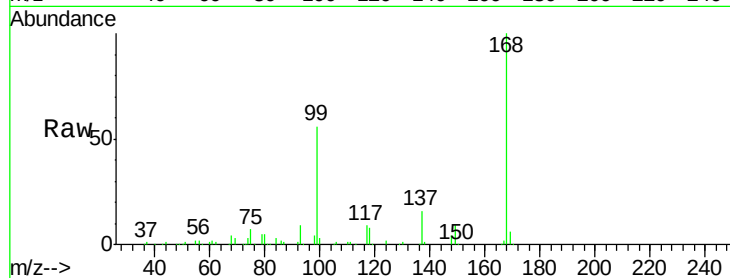
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 198150

Ion Ratio Lower Upper

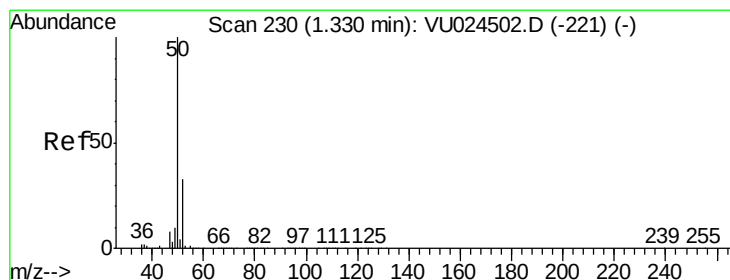
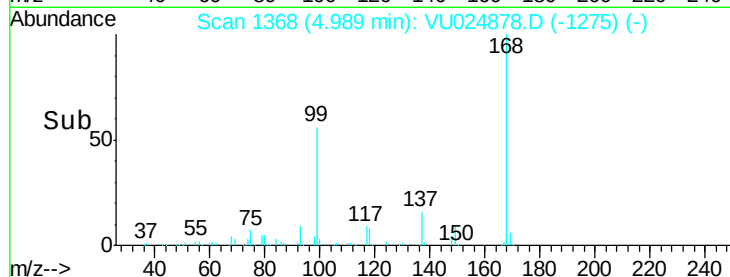
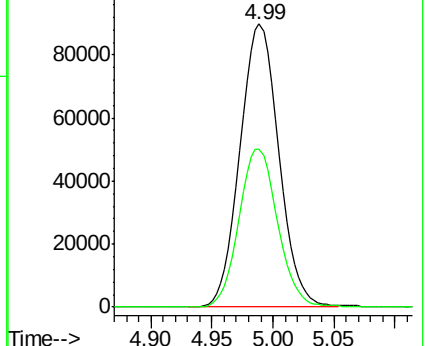
168 100

99 55.8 43.2 64.8



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

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



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024878.D

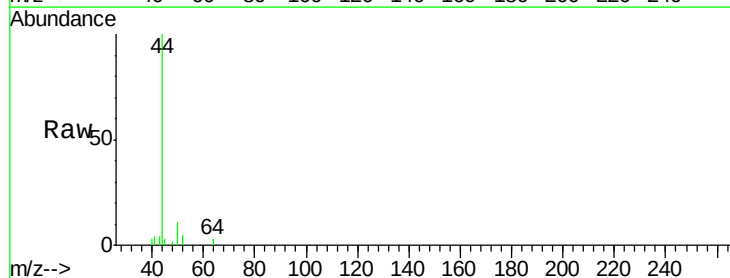
Acq: 25 Jun 2018 16:32

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

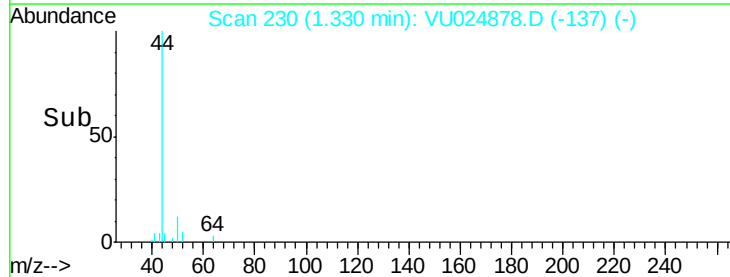
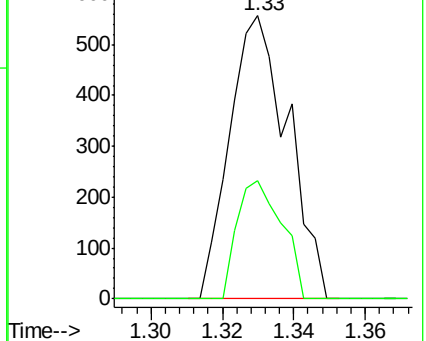
50 100

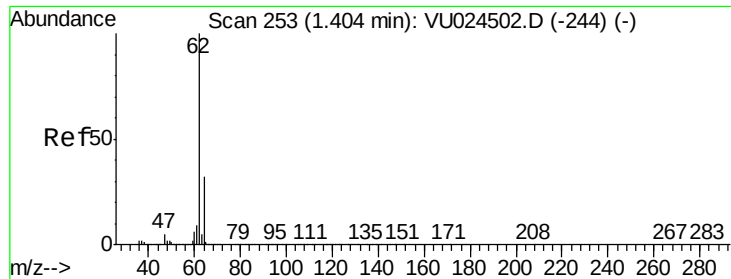
52 41.7 26.4 39.6#



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: 1.99 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

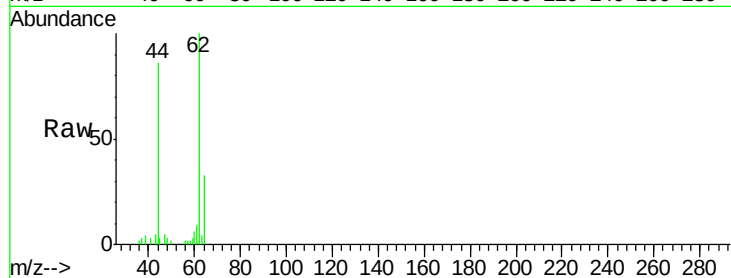
ClientSampled :

Tot Ion: 62 Resp: 5194

Ion Ratio Lower Upper

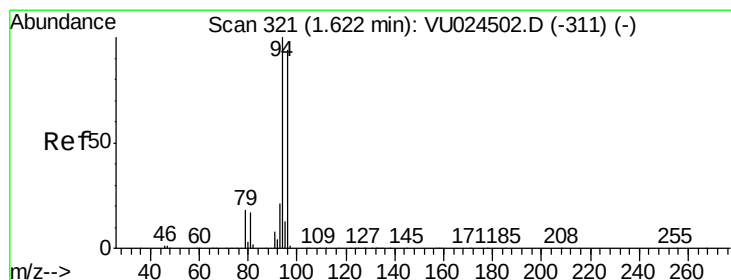
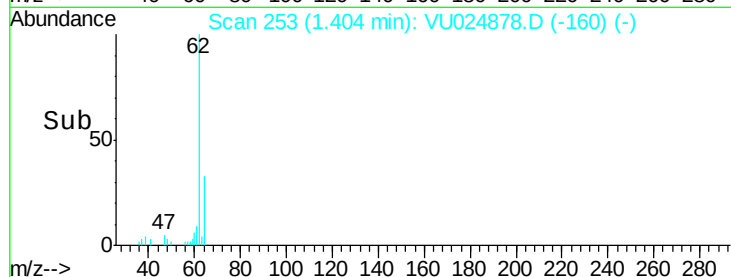
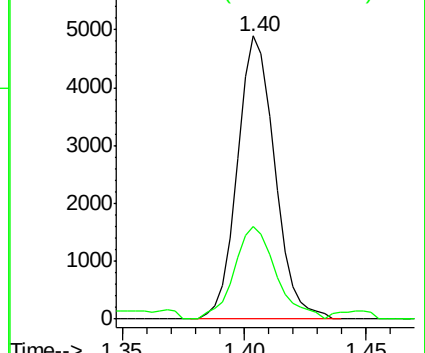
62 100

64 32.6 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: 0.36 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024878.D

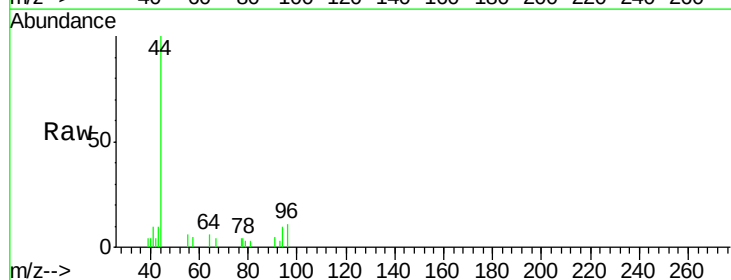
Acq: 25 Jun 2018 16:32

Tgt Ion: 94 Resp: 456

Ion Ratio Lower Upper

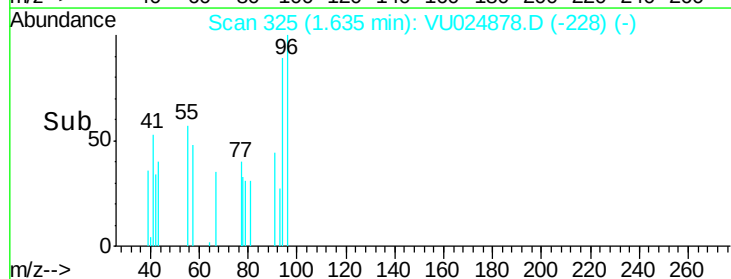
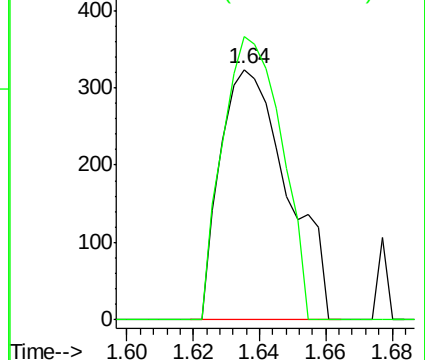
94 100

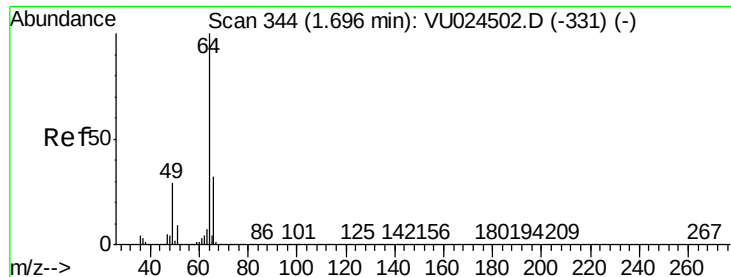
96 113.0 74.5 111.7#



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: 1.66 min Scan# 333

Delta R.T. -0.03 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

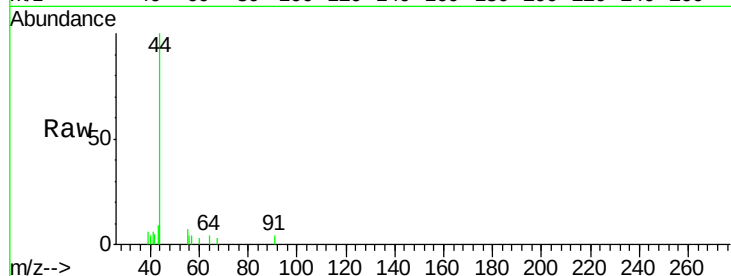
ClientSampleId :

Tot Ion: 64 Resp: 115

Ion Ratio Lower Upper

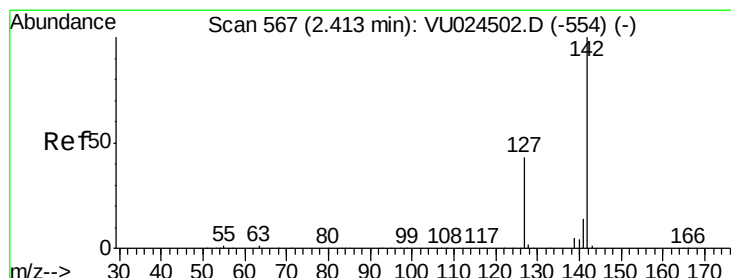
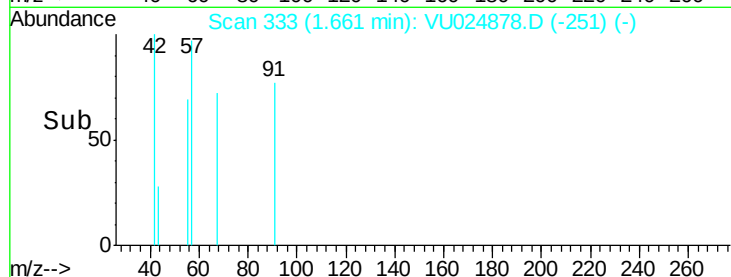
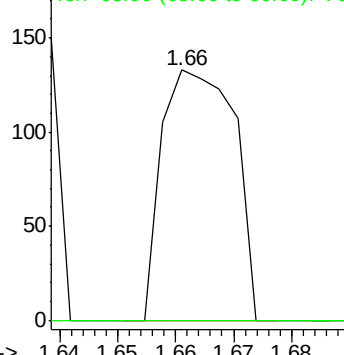
64 100

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: 5.37 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

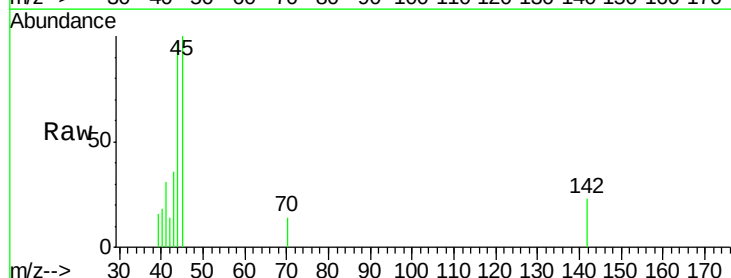
Tgt Ion: 142 Resp: 184

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

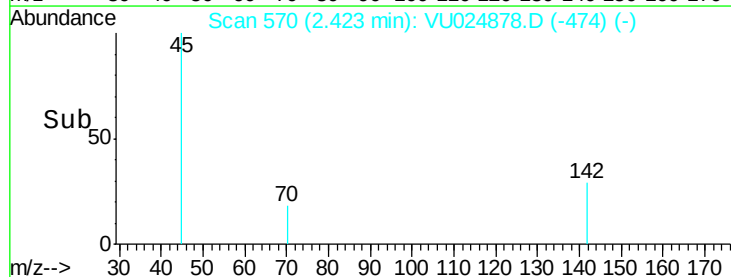
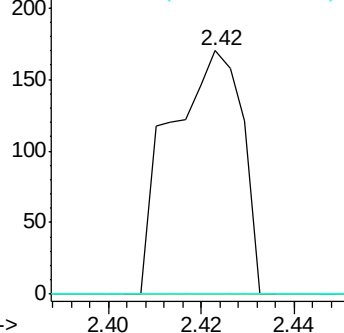
141 0.0 11.7 17.5#

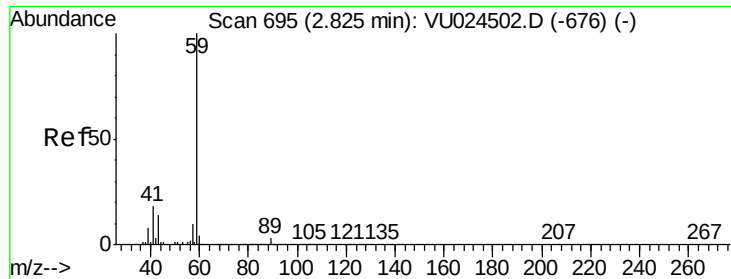


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

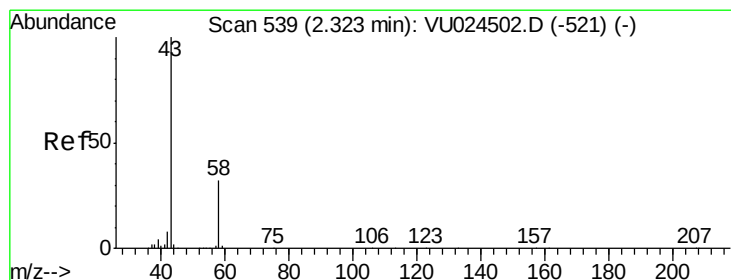
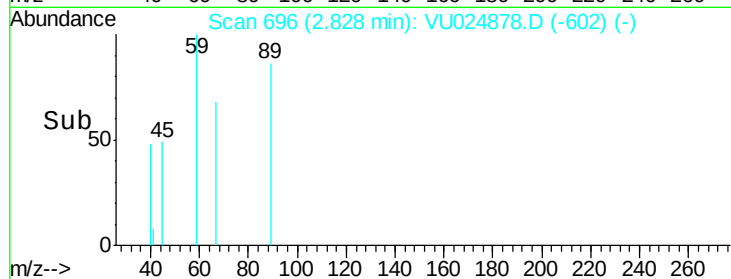
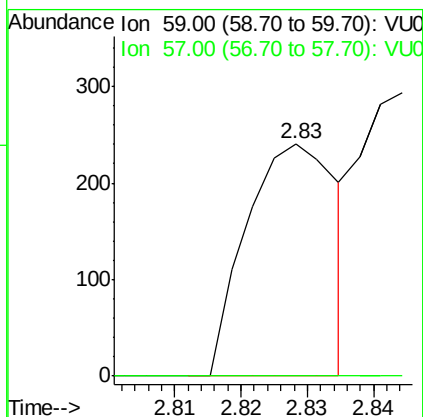
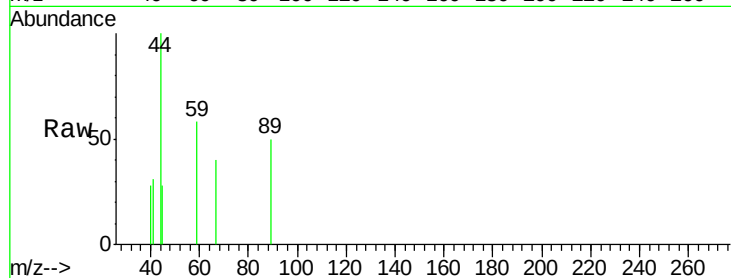




#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024878.D
Acq: 25 Jun 2018 16:32

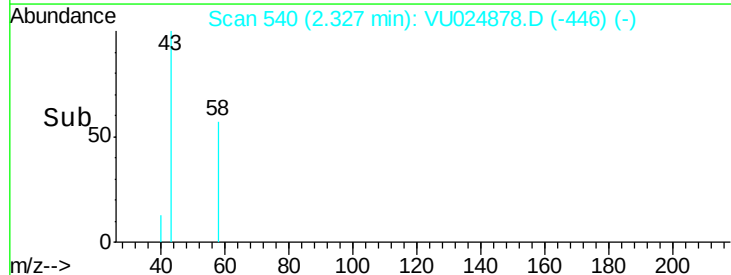
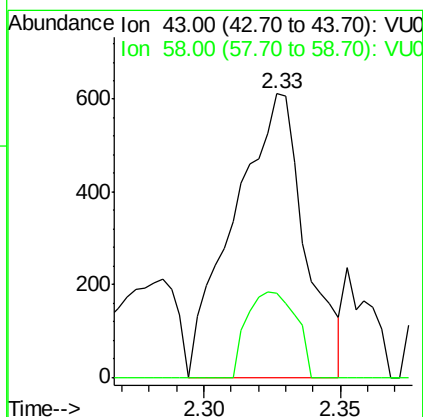
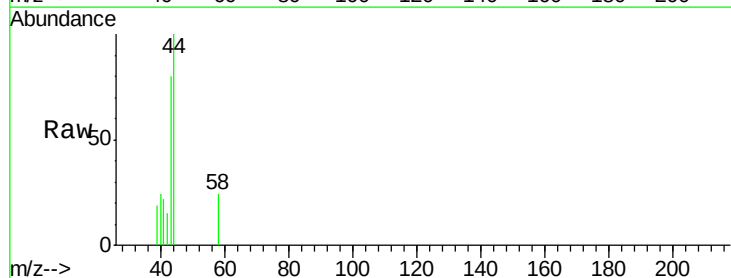
Instrument :
MSVOA_U
ClientSampleId :

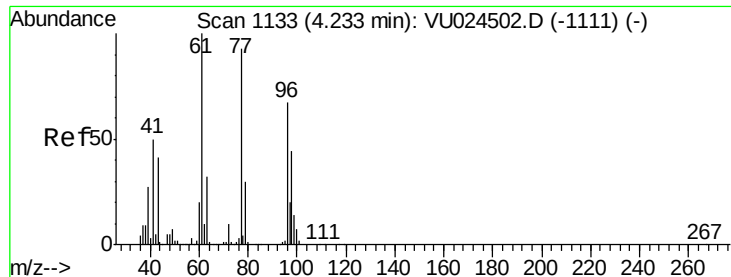
Tot Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.63 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU024878.D
Acq: 25 Jun 2018 16:32

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 29.4 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.15 ua/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :

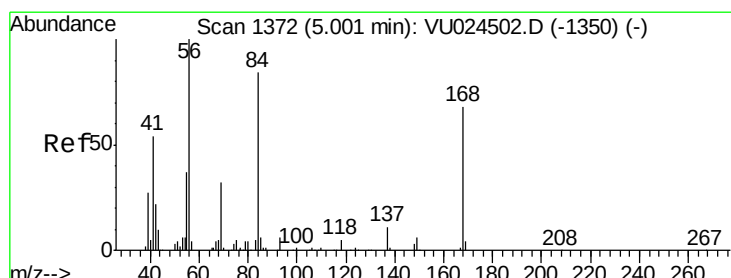
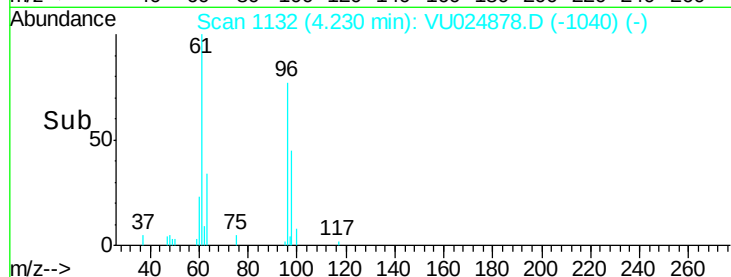
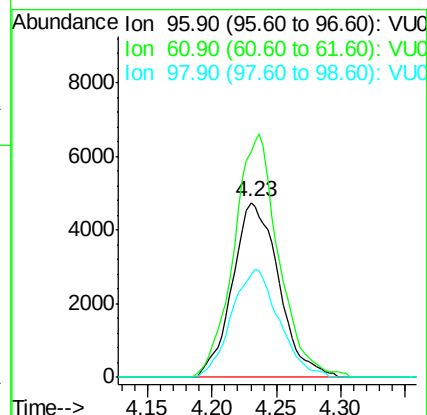
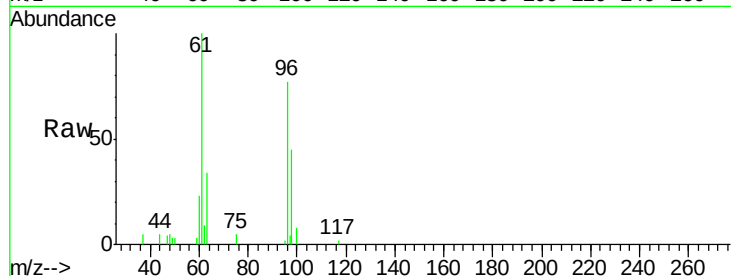
Tot Ion: 96 Resp: 11867

Ion Ratio Lower Upper

96 100

61 134.2 0.0 306.6

98 62.9 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

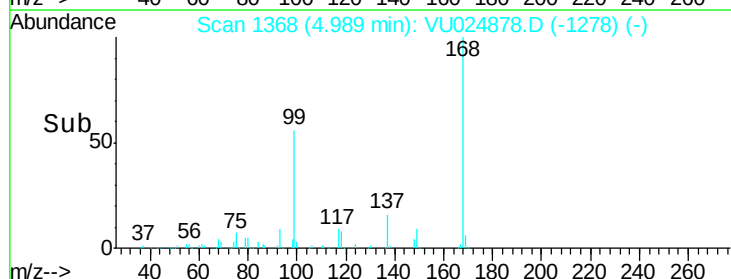
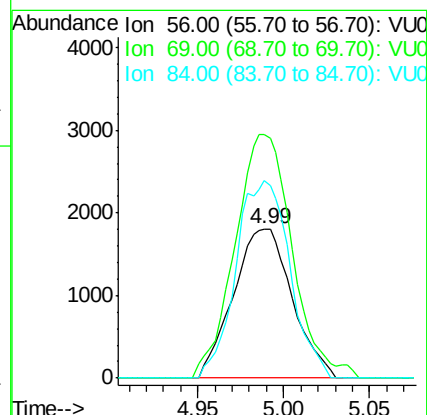
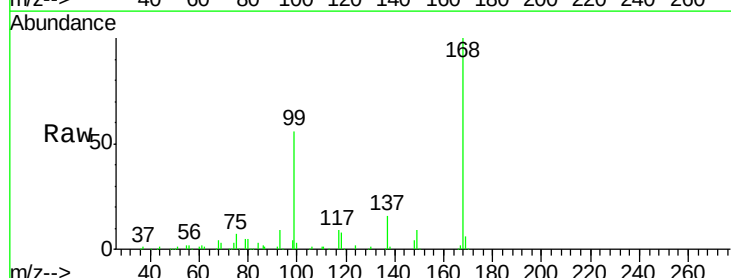
Tgt Ion: 56 Resp: 4299

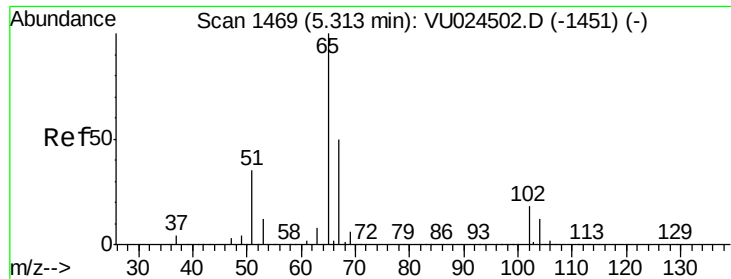
Ion Ratio Lower Upper

56 100

69 163.1 24.8 37.2#

84 132.7 65.2 97.8#

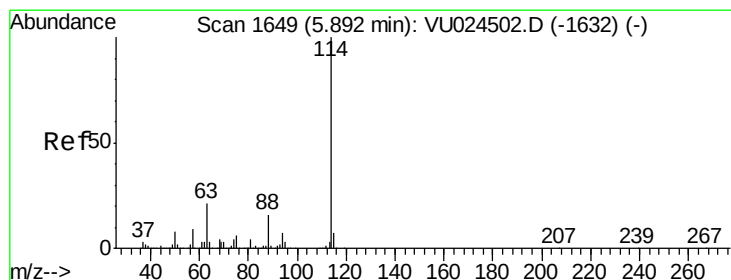
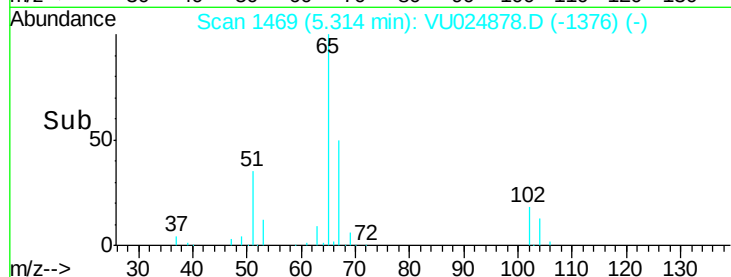
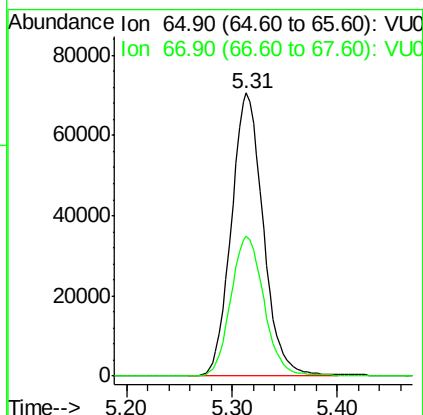
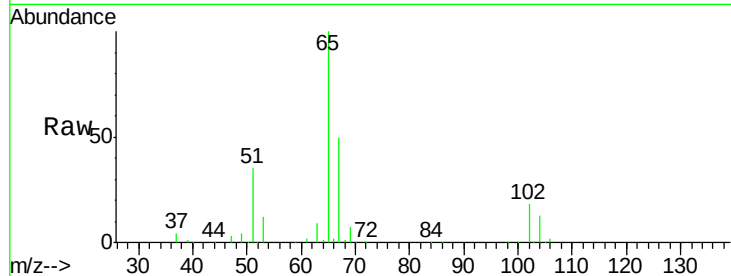




#33
 1,2-Dichloroethane-d4
 Concen: 45.78 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

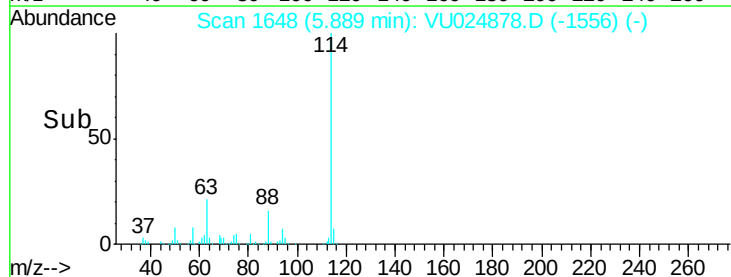
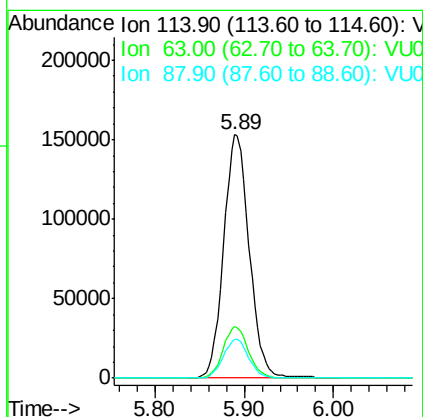
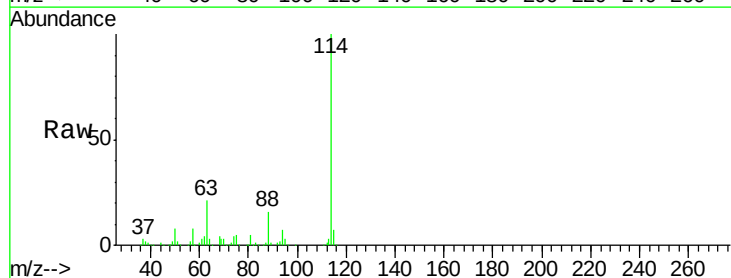
Instrument :
 MSVOA_U
 ClientSampled :

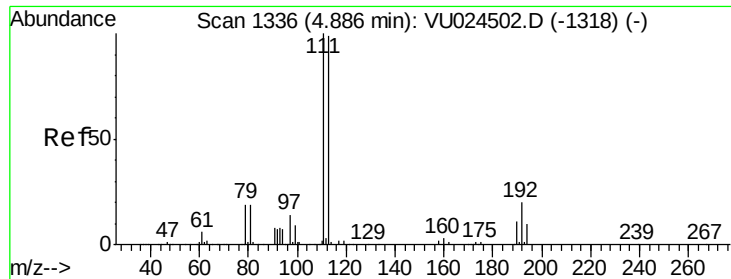
Tot Ion: 65 Resp: 148086
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

Tgt Ion: 114 Resp: 303543
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.1 0.0 31.0

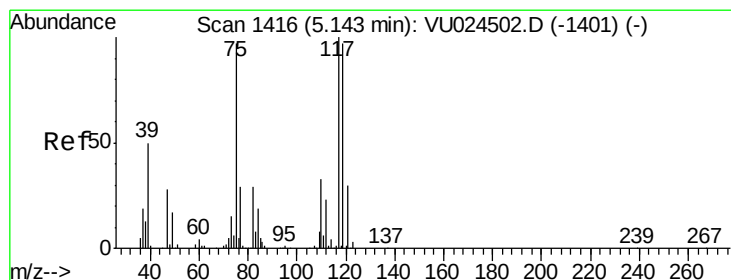
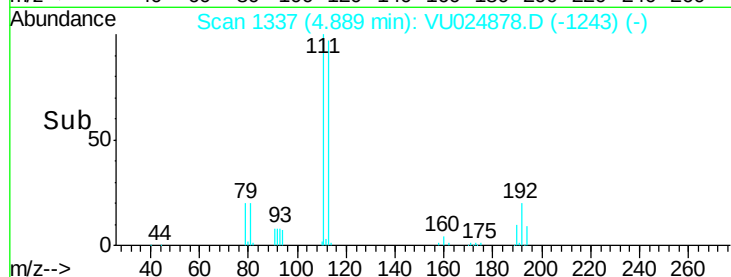
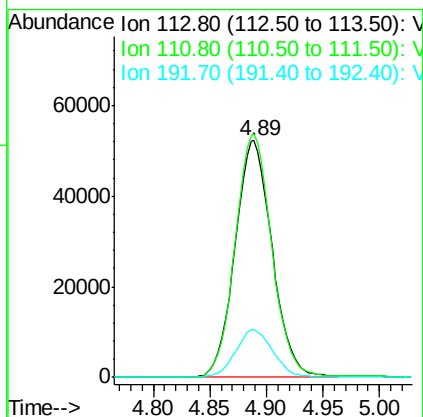
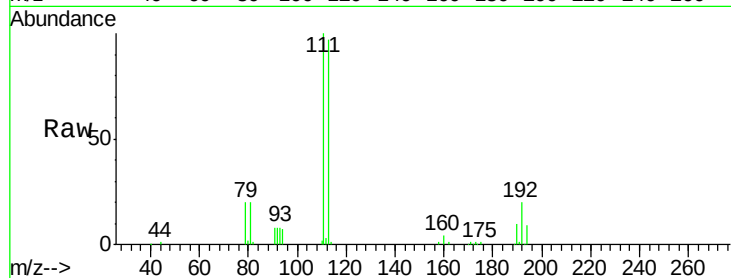




#35
 Dibromofluoromethane
 Concen: 47.28 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

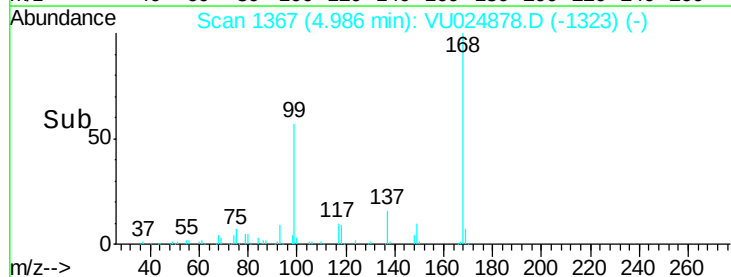
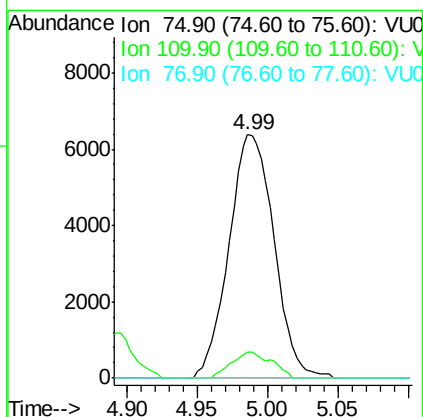
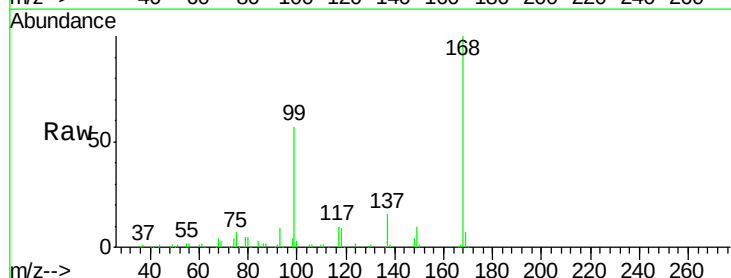
Instrument :
 MSVOA_U
 ClientSampleId :

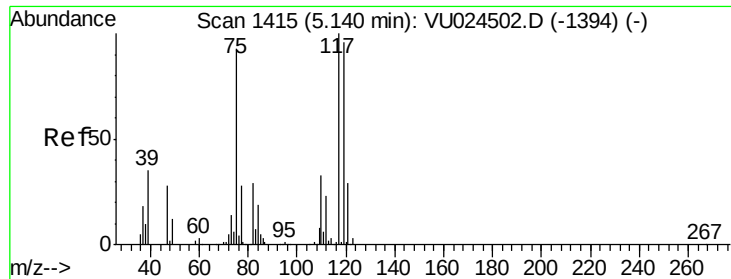
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.00 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.86 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

ClientSampled :

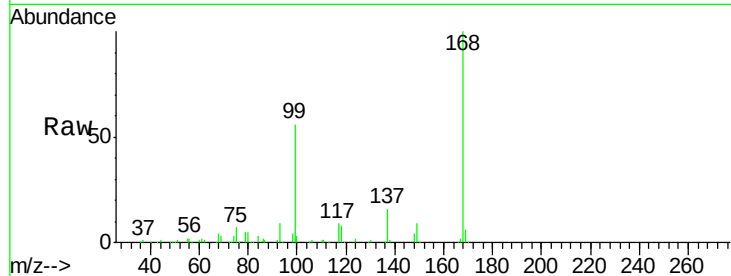
Tot Ion:117 Resp: 19056

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

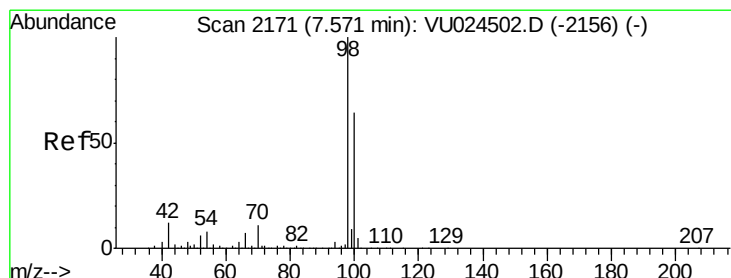
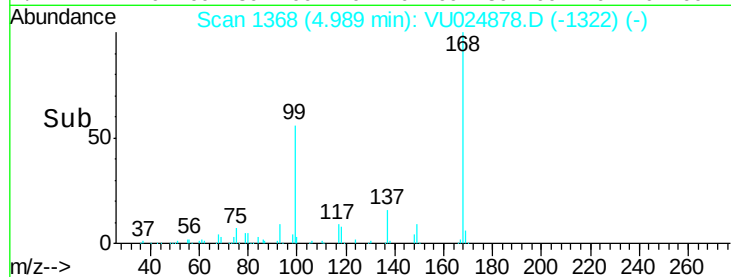
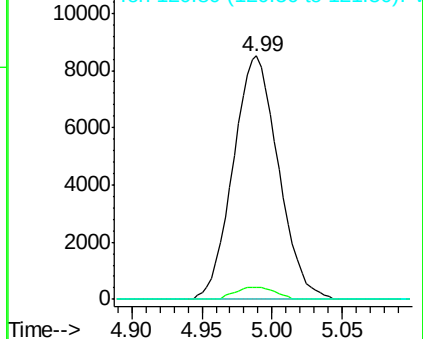
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 47.90 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024878.D

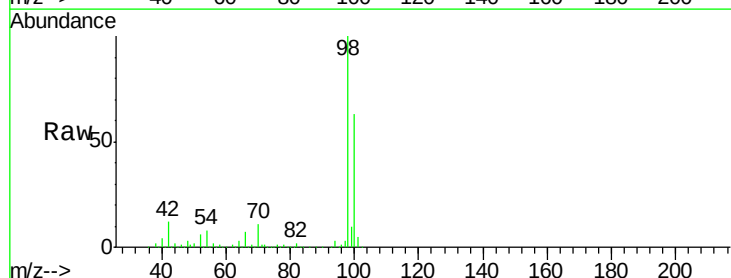
Acq: 25 Jun 2018 16:32

Tgt Ion: 98 Resp: 440157

Ion Ratio Lower Upper

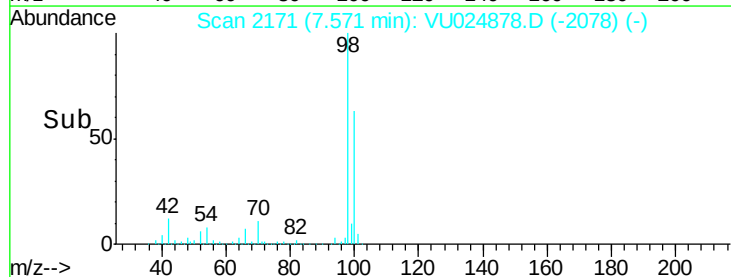
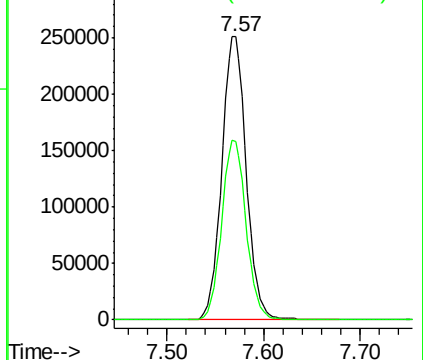
98 100

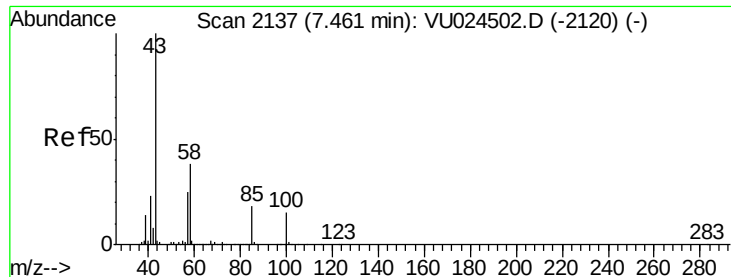
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.49 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

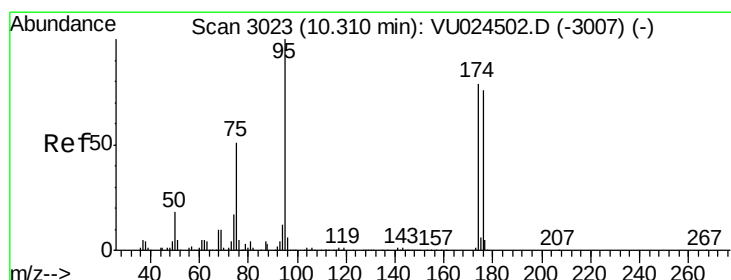
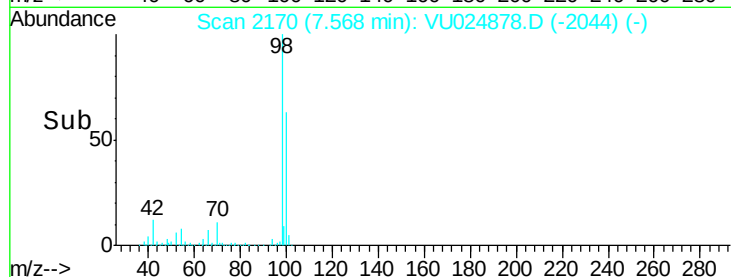
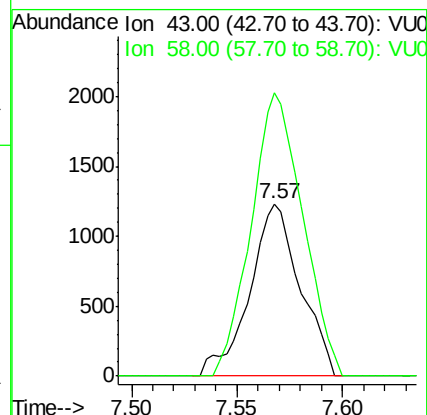
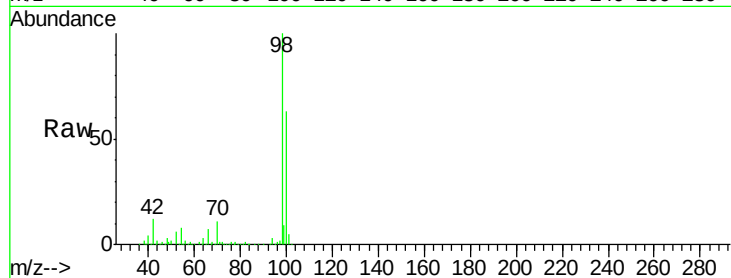
ClientSampleId :

Tot Ion: 43 Resp: 2052

Ion Ratio Lower Upper

43 100

58 167.7 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 44.49 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

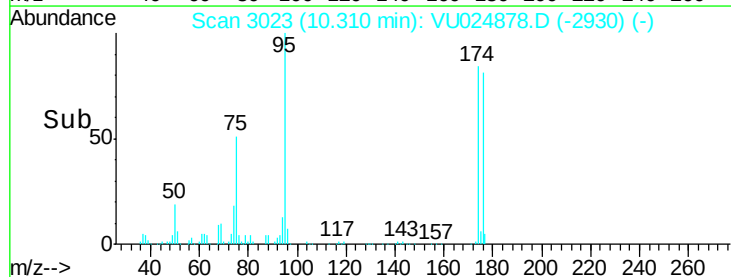
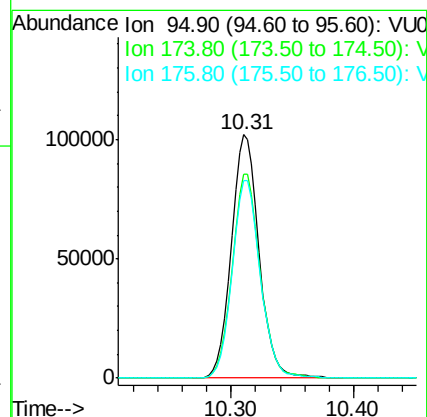
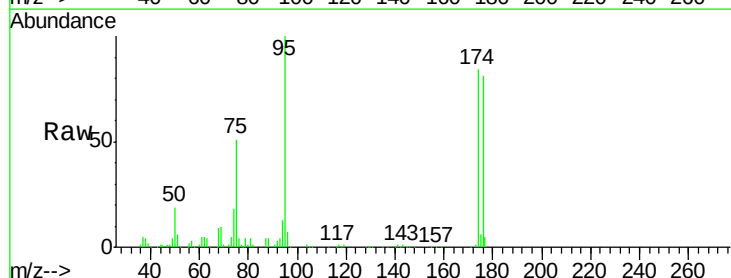
Tgt Ion: 95 Resp: 162316

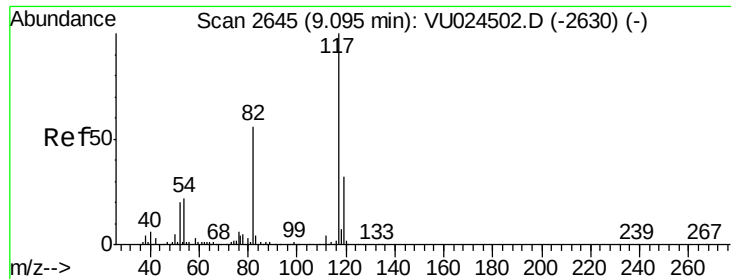
Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

176 82.4 0.0 159.4

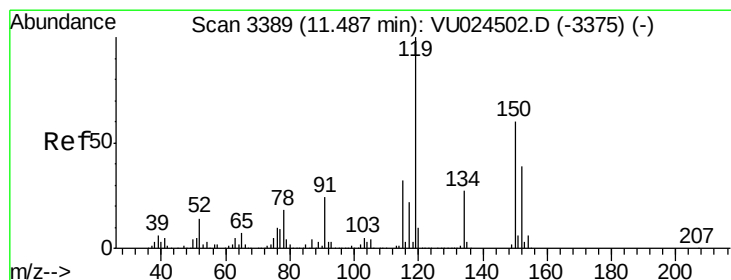
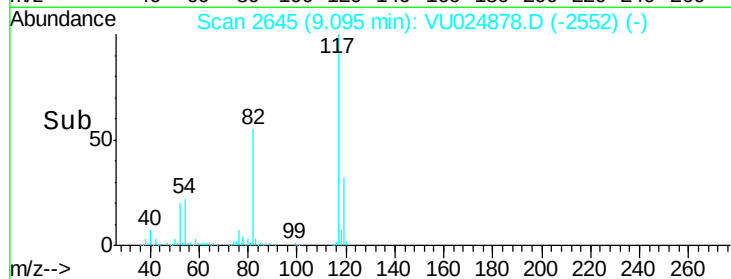
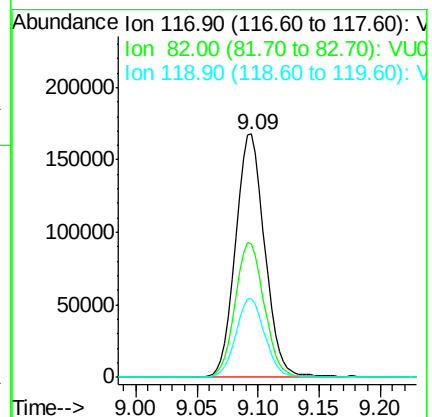
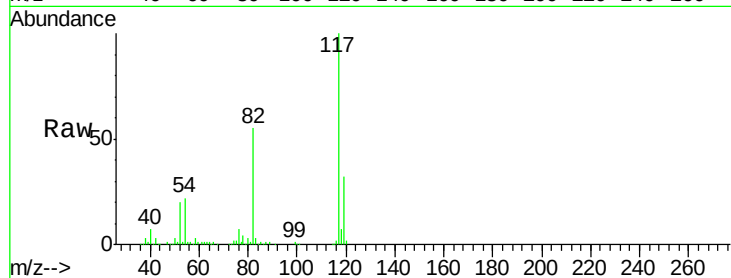




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024878.D
Acq: 25 Jun 2018 16:32

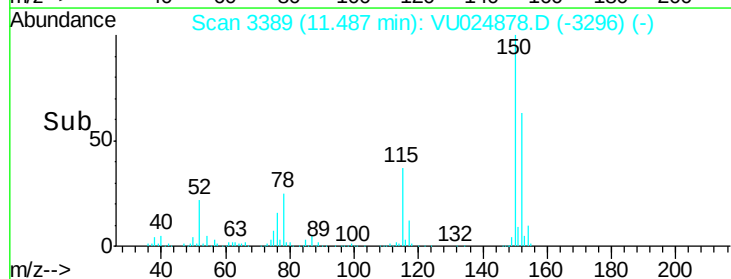
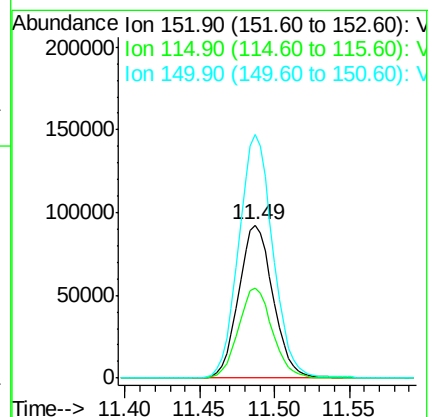
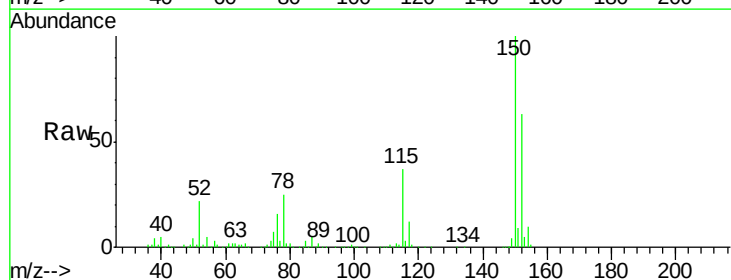
Instrument :
MSVOA_U
ClientSampled :

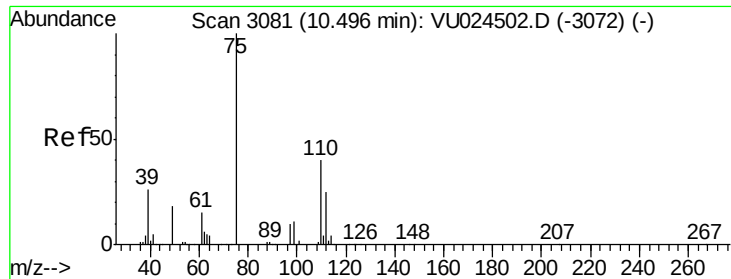
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.3	66.5
119	32.3	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024878.D
Acq: 25 Jun 2018 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	43.0	129.0
150	157.5	0.0	354.0

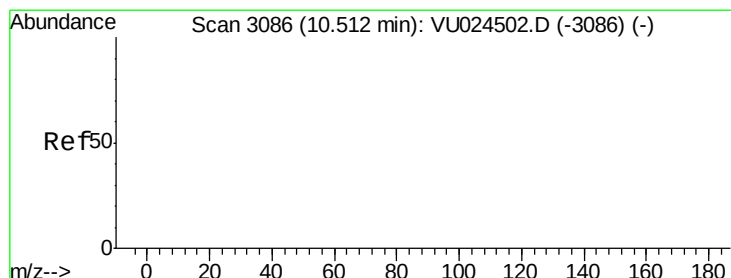
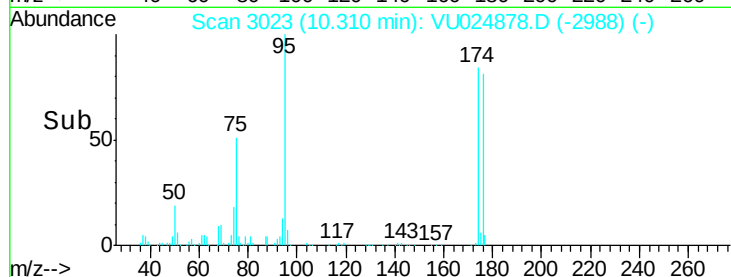
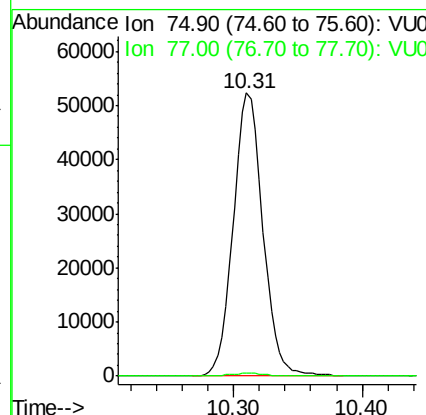
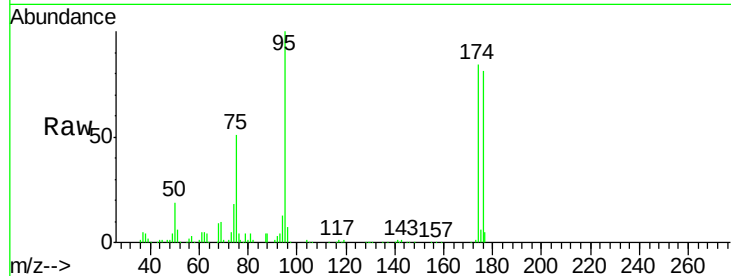




#76
 1,2,3-Trichloropropane
 Concen: 25.50 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

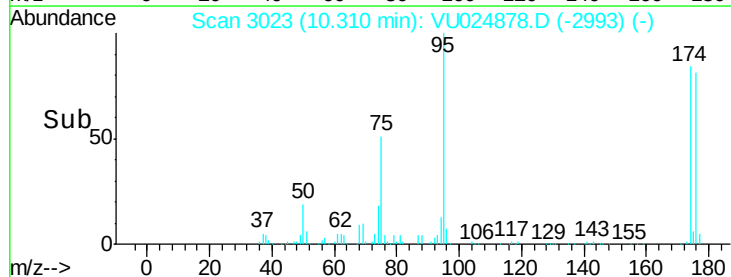
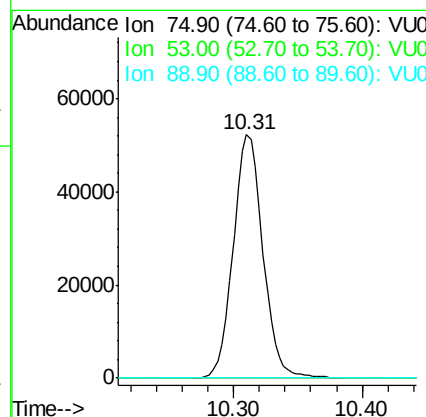
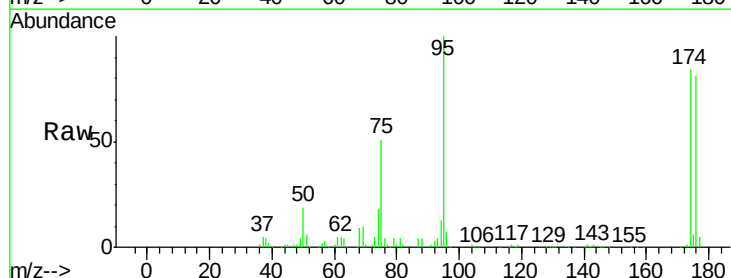
Instrument :
 MSVOA_U
 ClientSampleId :

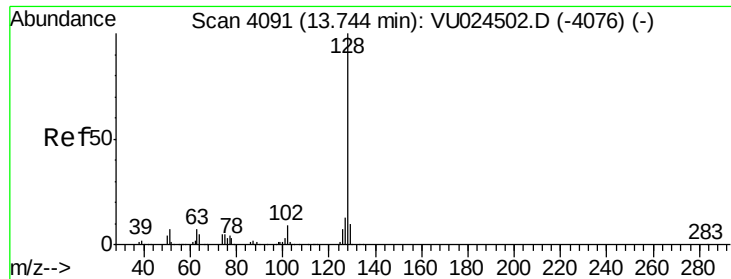
Tot Ion: 75 Resp: 83452
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.01 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024878.D
 Acq: 25 Jun 2018 16:32

Tgt Ion: 75 Resp: 83452
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.73 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

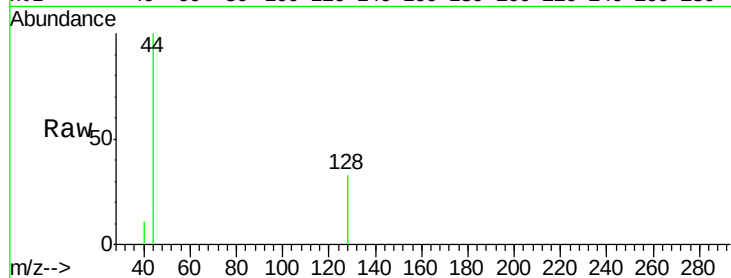
Lab File: VU024878.D

Acq: 25 Jun 2018 16:32

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	610
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

