

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024982.D
 Acq On : 27 Jun 2018 22:07
 Operator : MD/SY
 Sample : VU0627MBL03
 Misc : 5.00g/10mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL04

Quant Time: Jun 28 02:30:21 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	230349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	341460	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	313736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169449	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	170415	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
35) Dibromofluoromethane	4.89	113	133382	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
50) Toluene-d8	7.57	98	492050	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	10.31	95	183791	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	768	0.261	ug/l #	58
5) Bromomethane	1.63	94	764	0.520	ug/l	94
6) Chloroethane	1.68	64	19	Below Cal	#	43
10) Methyl Iodide	2.42	142	911	5.623	ug/l #	77
11) Tert butyl alcohol	2.84	59	2219	2.426	ug/l #	72
13) Acrolein	2.20	56	275	0.573	ug/l #	36
15) Acrylonitrile	2.95	53	433	0.243	ug/l #	79
16) Acetone	2.33	43	635	0.314	ug/l #	77
17) Carbon Disulfide	2.48	76	2238	0.266	ug/l	96
31) Cyclohexane	4.99	56	4840	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17698	4.411	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22114	5.012	ug/l #	16
51) 4-Methyl-2-Pentanone	7.46	43	1319	0.278	ug/l #	84
59) 2-Hexanone	8.39	43	1000	0.258	ug/l	70
76) 1,2,3-Trichloropropane	10.31	75	96275	25.806	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96275	59.727	ug/l #	100
89) n-Butylbenzene	11.90	91	2930	0.271	ug/l	96
93) 1,2,4-Trichlorobenzene	13.51	180	2312	0.614	ug/l	99
95) Naphthalene	13.75	128	20953	2.338	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	3534	0.942	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024982.D

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MSVOA_U

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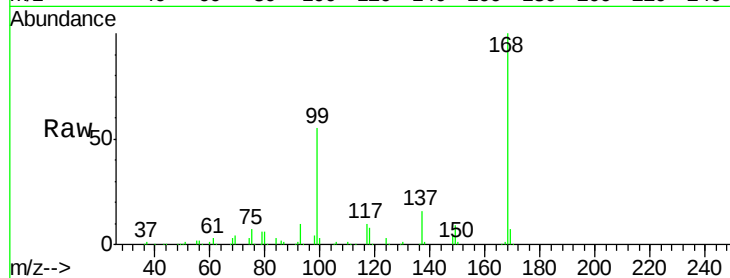
VU0627MBL04

Tgt Ion:168 Resp: 230349

Ion Ratio Lower Upper

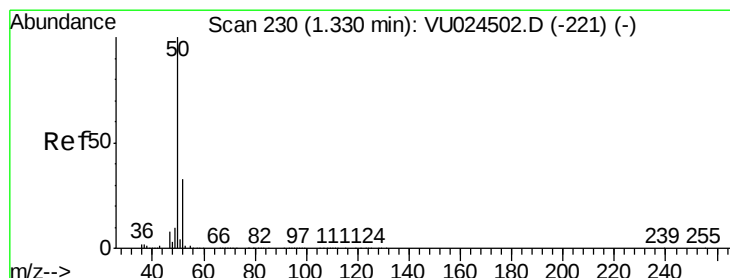
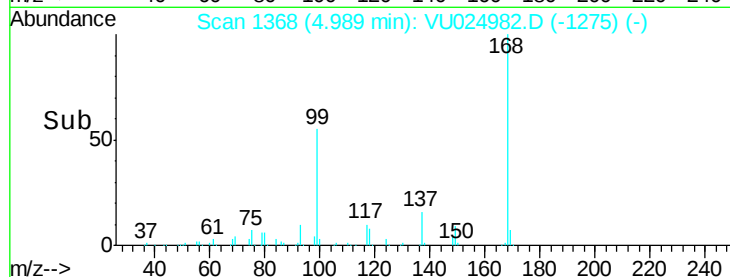
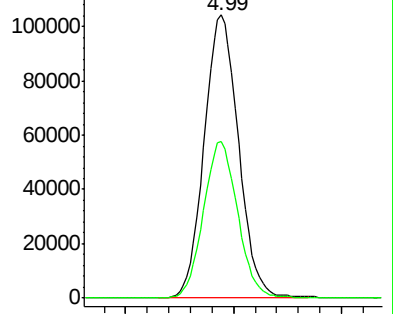
168 100

99 55.3 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: 0.261 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024982.D

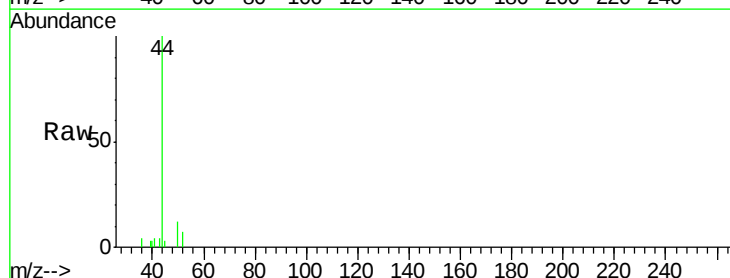
Acq: 27 Jun 2018 22:07

Tgt Ion: 50 Resp: 768

Ion Ratio Lower Upper

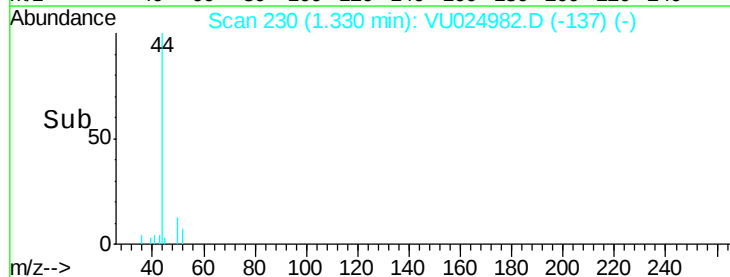
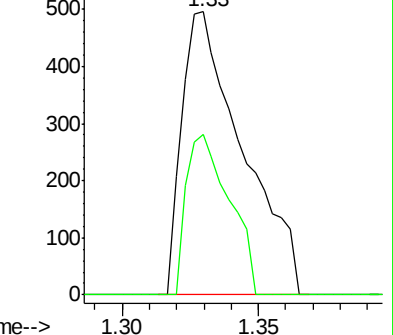
50 100

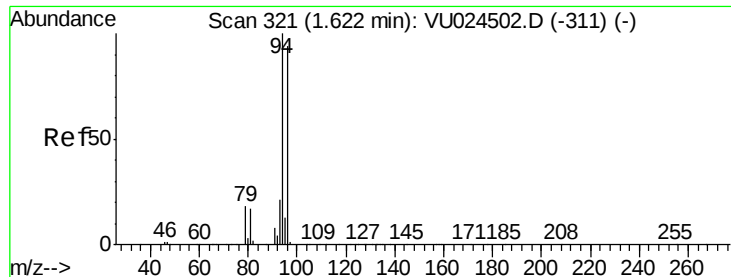
52 56.9 26.4 39.6#



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

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





#5

Bromomethane

Concen: 0.520 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

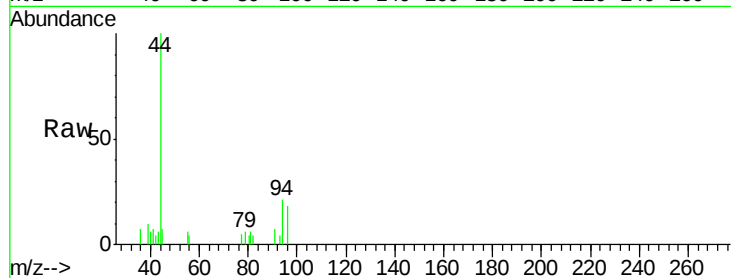
VU0627MBL04

Tgt Ion: 94 Resp: 764

Ion Ratio Lower Upper

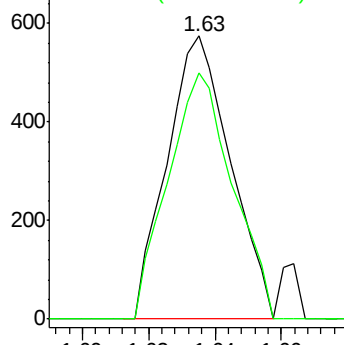
94 100

96 87.1 74.5 111.7

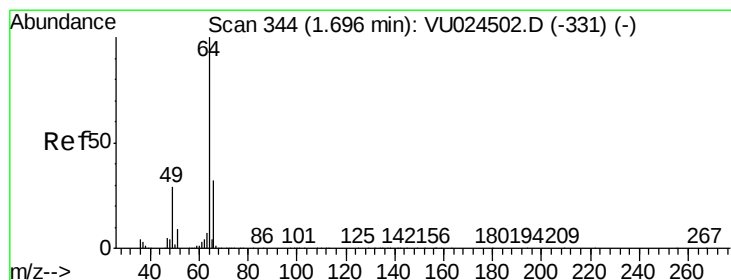
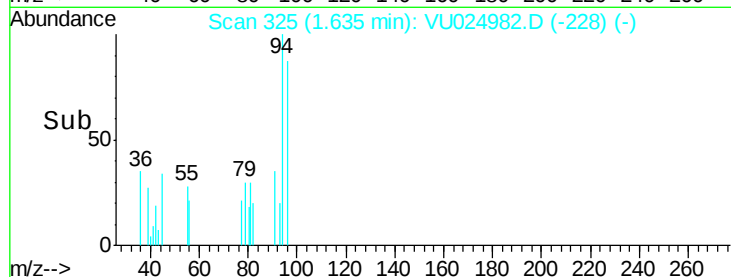


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 338

Delta R.T. -0.02 min

Lab File: VU024982.D

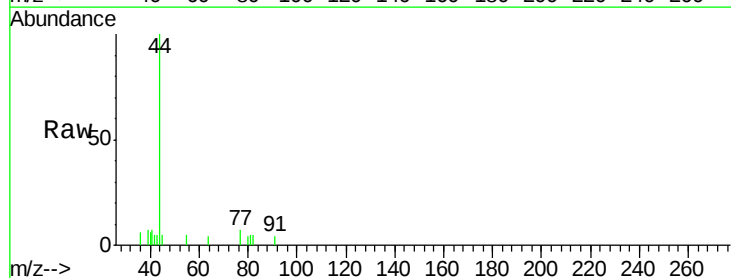
Acq: 27 Jun 2018 22:07

Tgt Ion: 64 Resp: 19

Ion Ratio Lower Upper

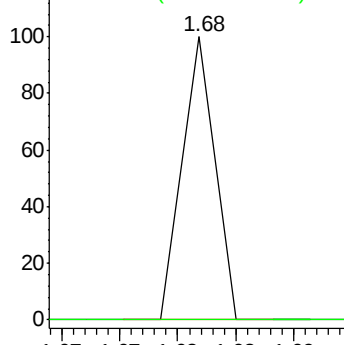
64 100

66 0.0 25.5 38.3#

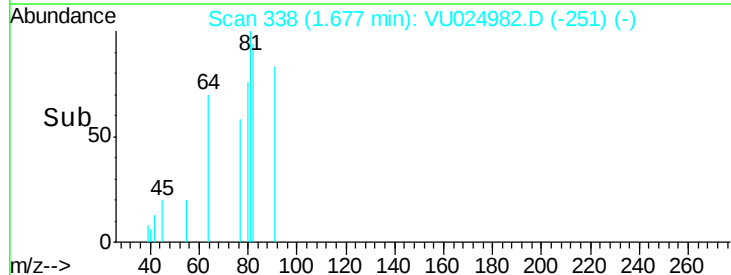


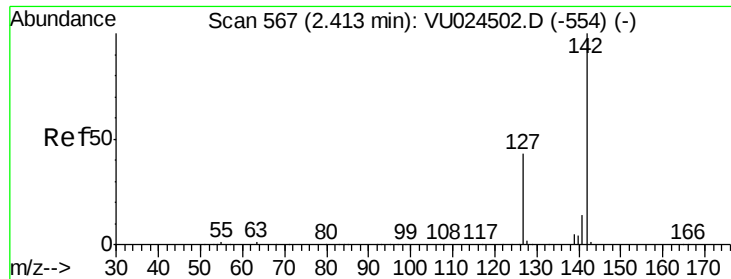
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->

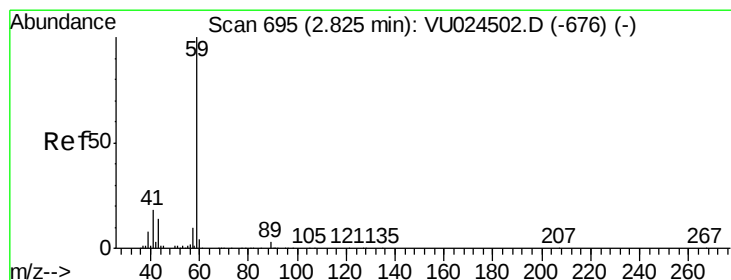
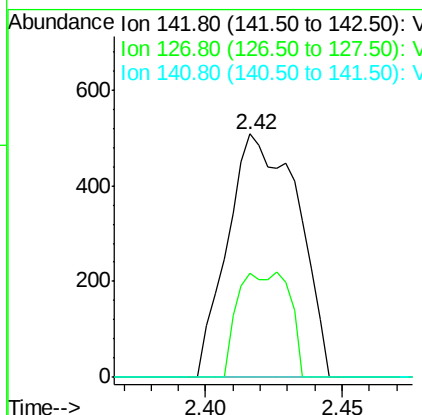
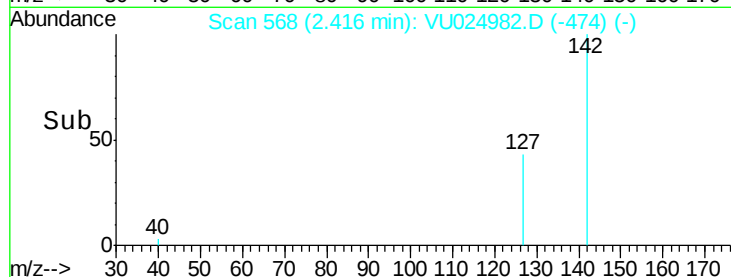
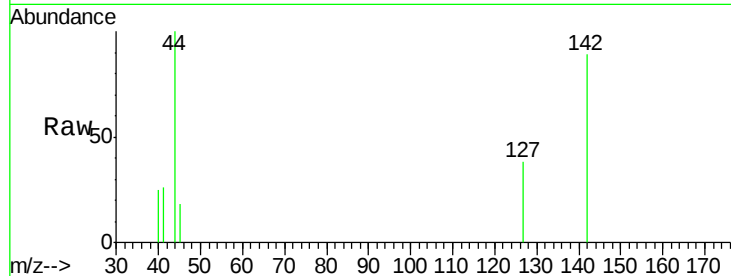




#10
Methyl Iodide
Concen: 5.623 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

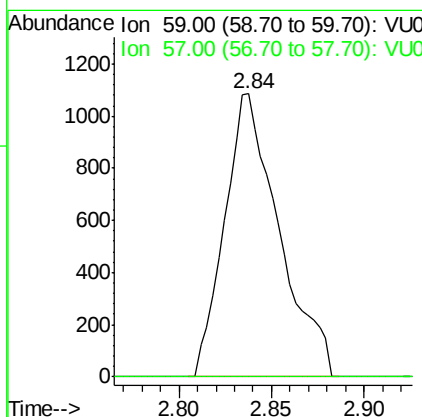
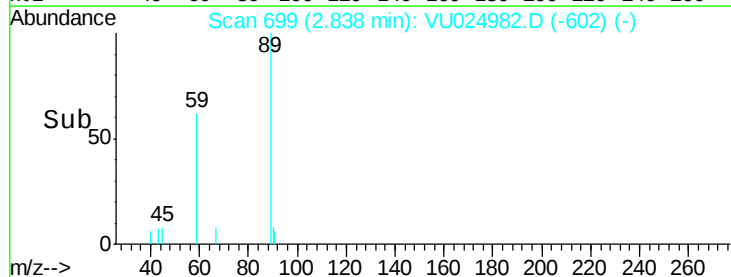
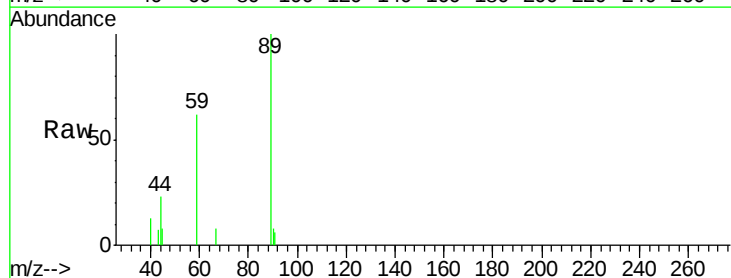
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

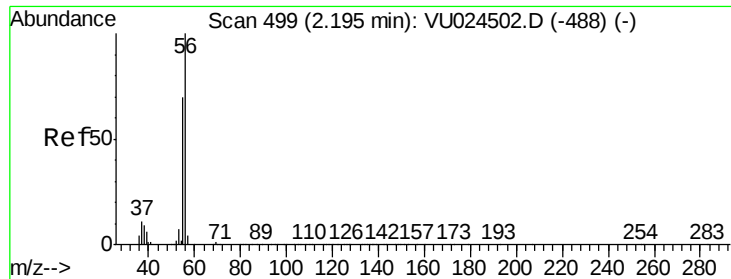
Tgt Ion:142 Resp: 911
Ion Ratio Lower Upper
142 100
127 31.9 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.426 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion: 59 Resp: 2219
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

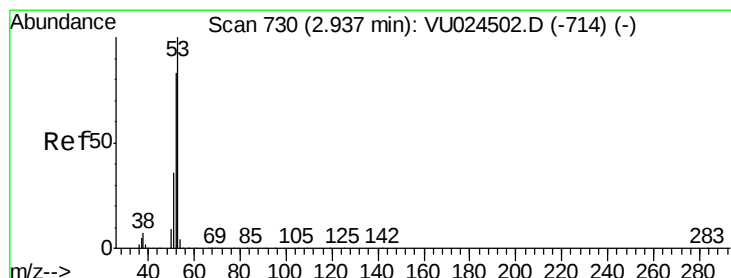
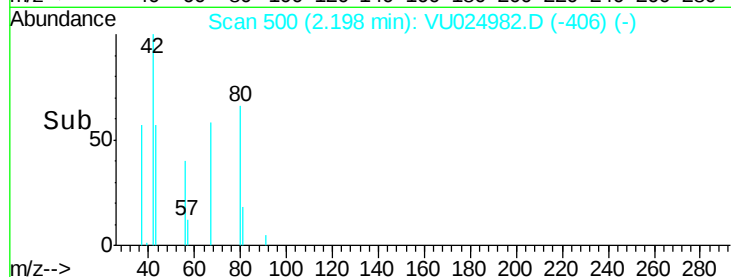
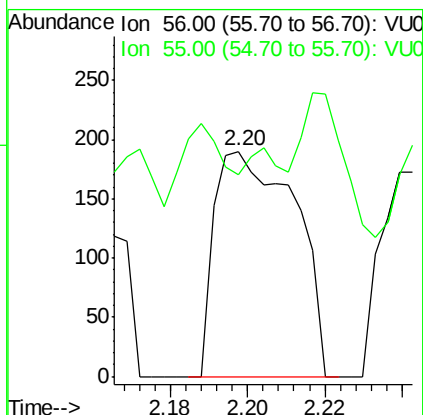
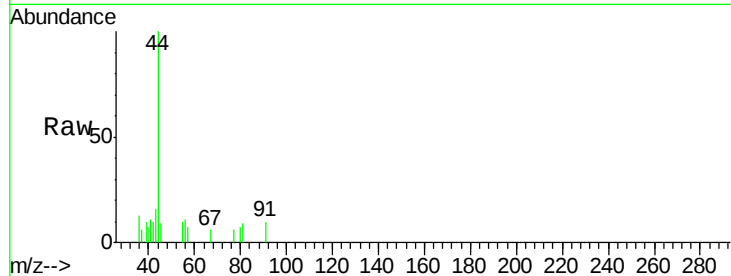




#13
 Acrolein
 Concen: 0.573 ug/l
 RT: 2.20 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VU024982.D
 Acq: 27 Jun 2018 22:07

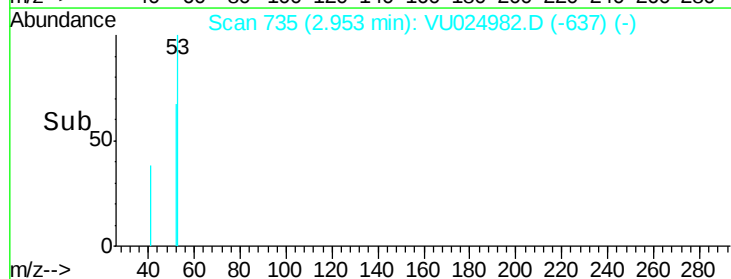
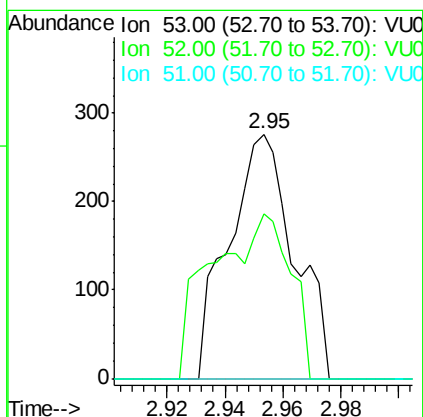
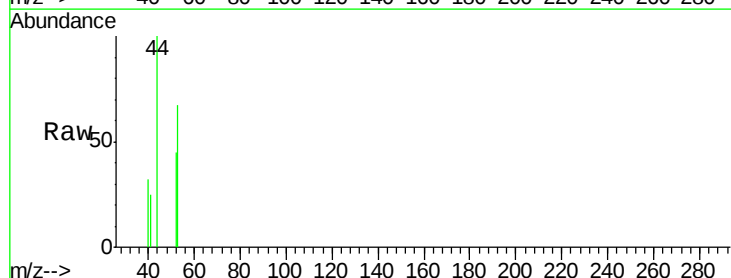
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL04

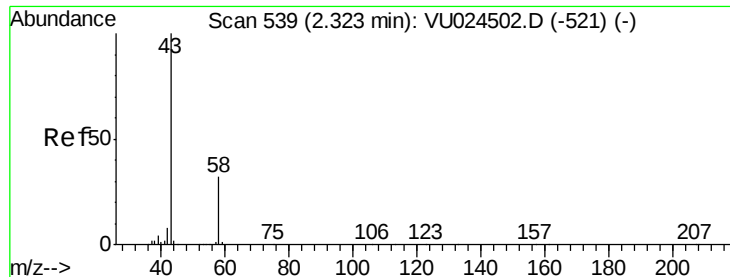
Tgt Ion: 56 Resp: 275
 Ion Ratio Lower Upper
 56 100
 55 19.6 58.4 87.6#



#15
 Acrylonitrile
 Concen: 0.243 ug/l
 RT: 2.95 min Scan# 735
 Delta R.T. 0.02 min
 Lab File: VU024982.D
 Acq: 27 Jun 2018 22:07

Tgt Ion: 53 Resp: 433
 Ion Ratio Lower Upper
 53 100
 52 80.1 67.1 100.7
 51 0.0 28.4 42.6#





#16

Acetone

Concen: 0.314 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

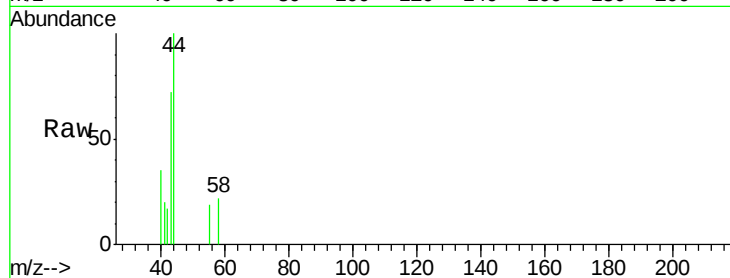
VU0627MBL04

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

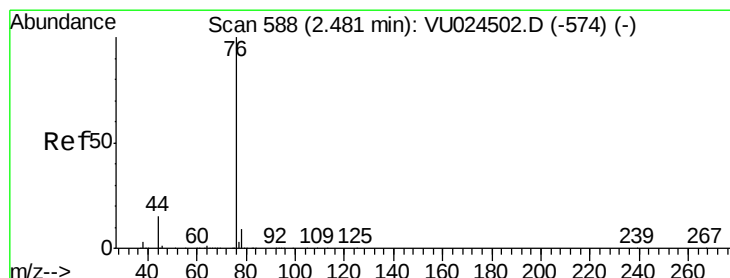
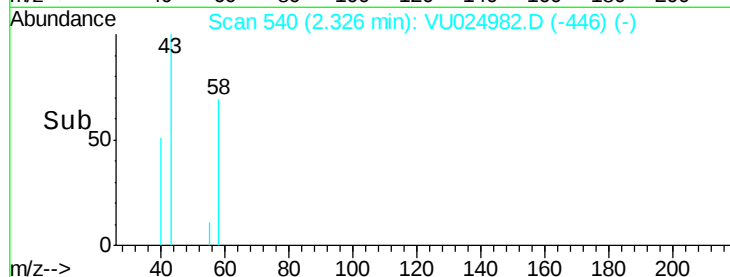
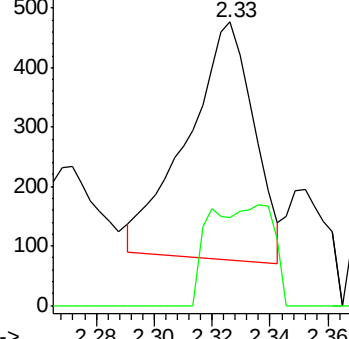
43 100

58 43.2 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU024982.D

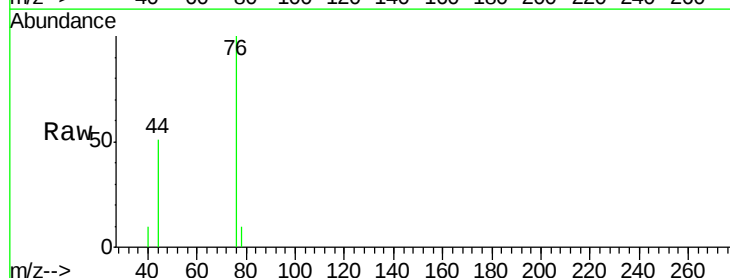
Acq: 27 Jun 2018 22:07

Tgt Ion: 76 Resp: 2238

Ion Ratio Lower Upper

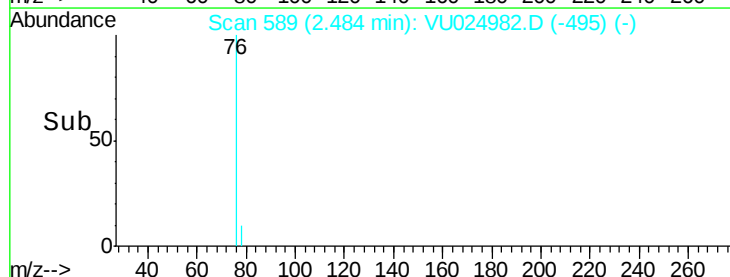
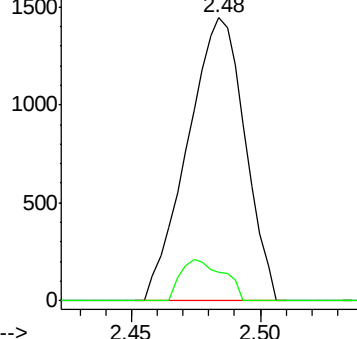
76 100

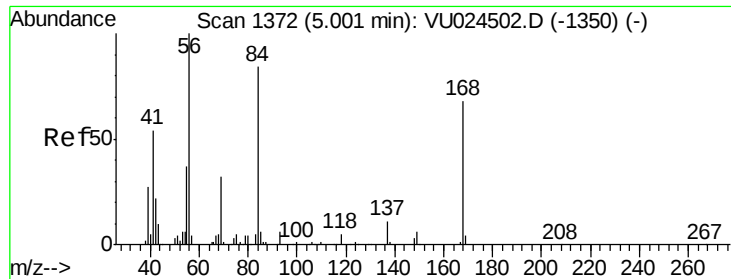
78 10.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

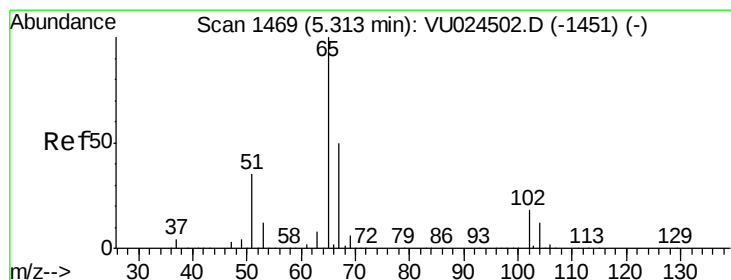
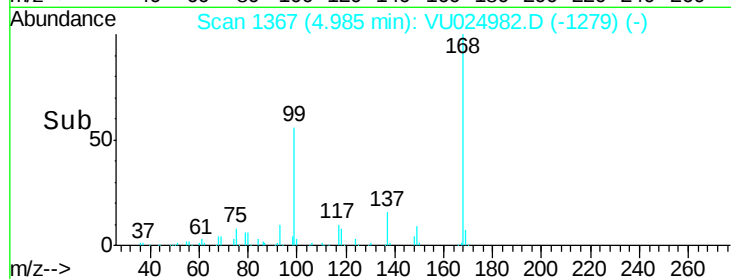
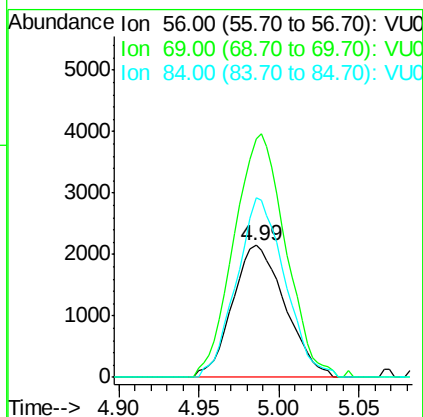
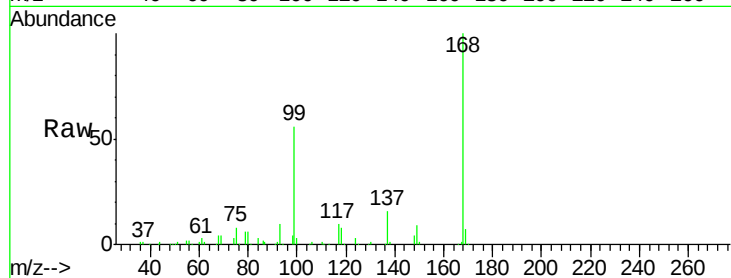




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

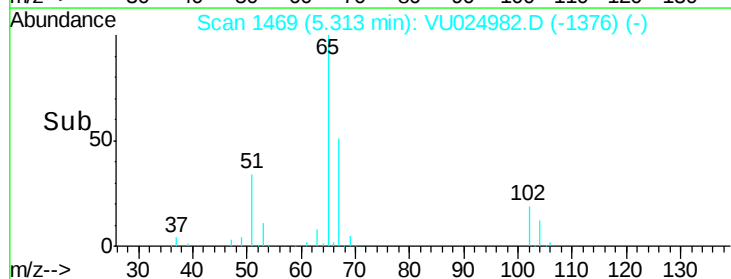
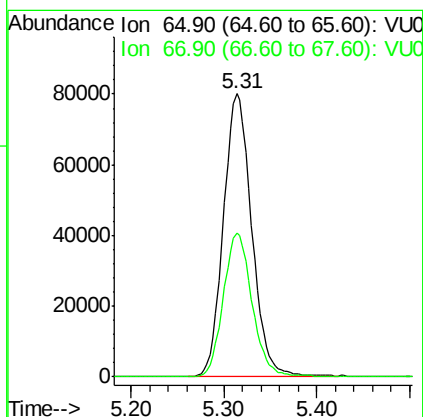
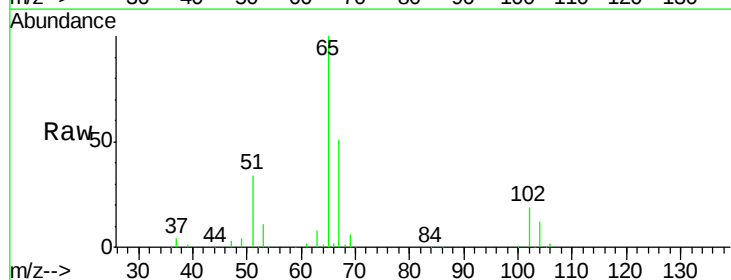
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

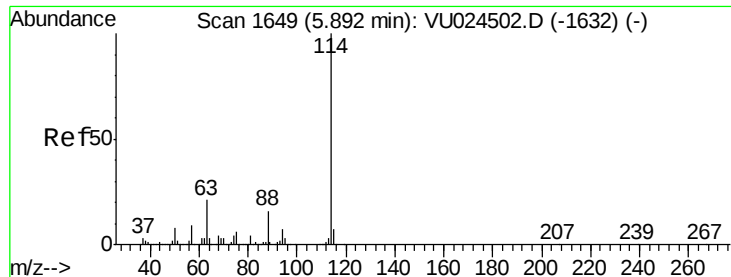
Tgt Ion: 56 Resp: 4840
Ion Ratio Lower Upper
56 100
69 181.0 24.8 37.2#
84 136.5 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.317 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion: 65 Resp: 170415
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL04

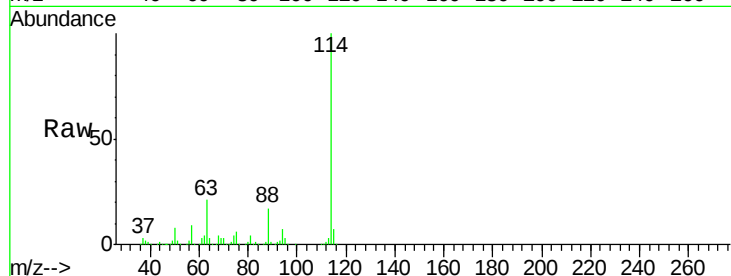
Tgt Ion:114 Resp: 341460

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.4

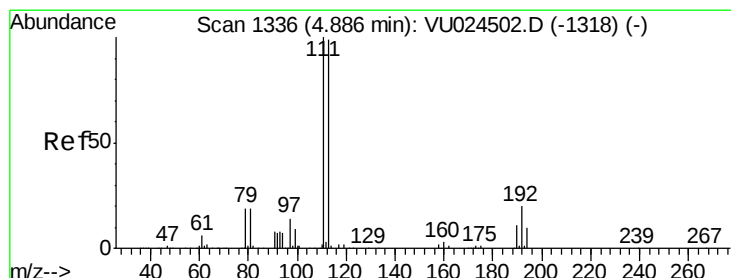
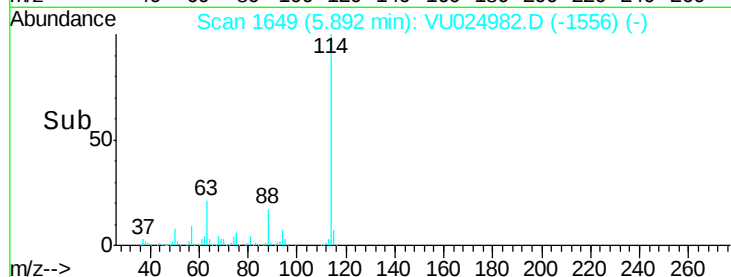
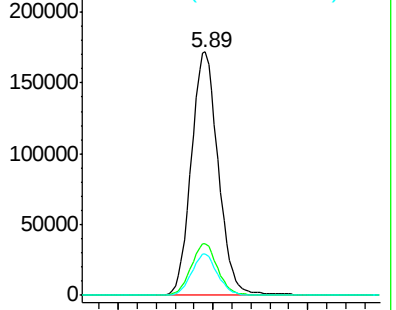
88 17.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.067 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

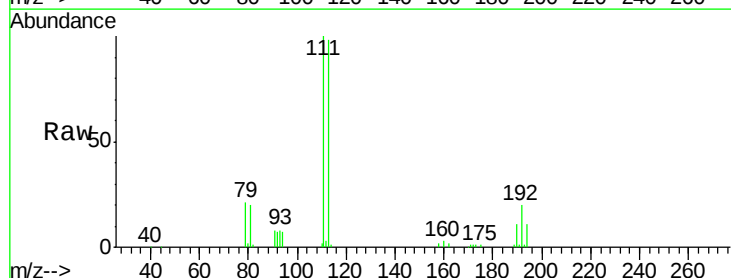
Tgt Ion:113 Resp: 133382

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

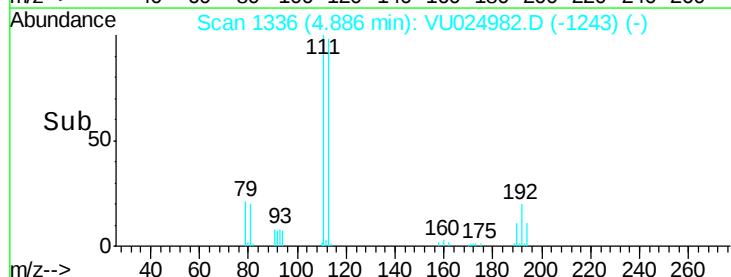
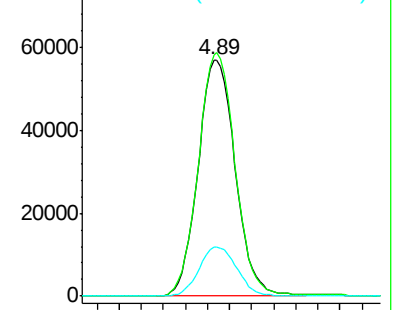
192 21.2 16.2 24.4

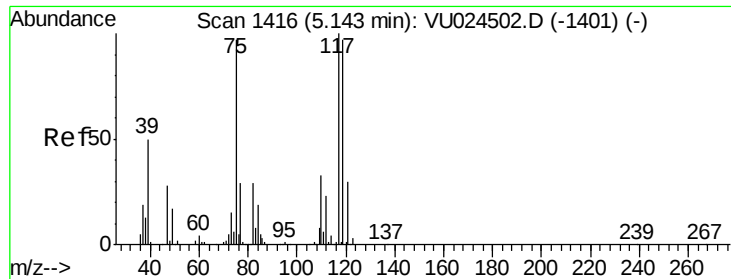


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

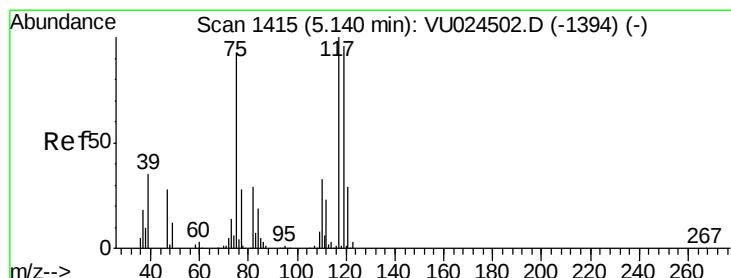
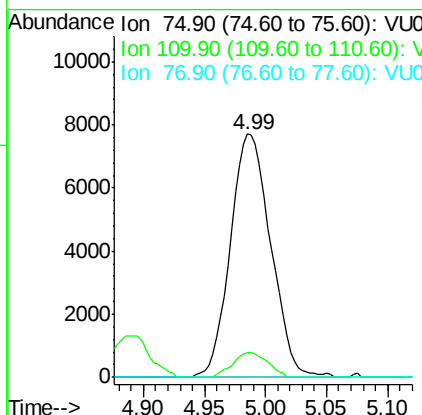
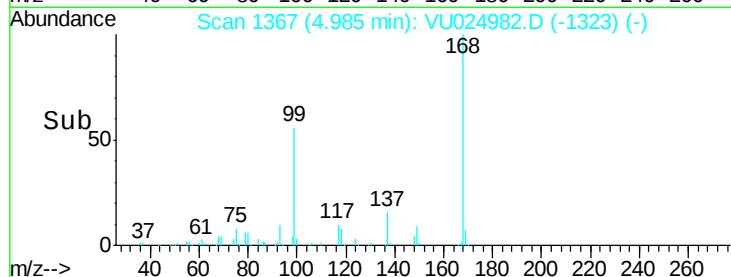
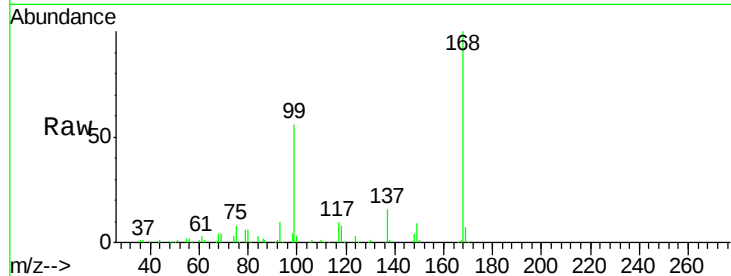




#36
 1,1-Dichloropropene
 Concen: 4.411 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024982.D
 Acq: 27 Jun 2018 22:07

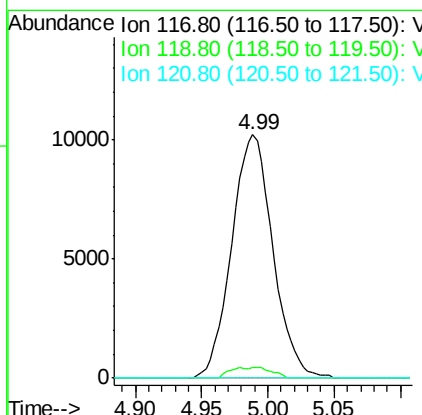
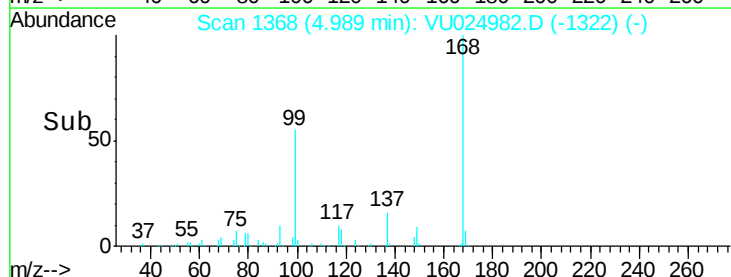
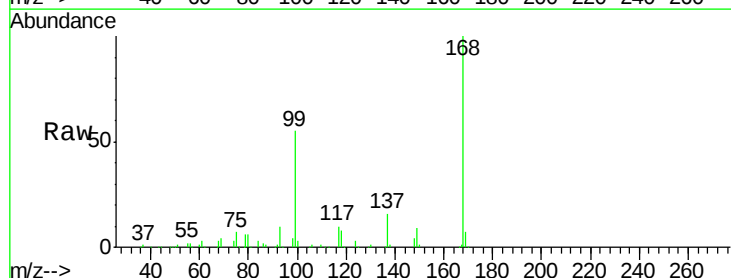
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBL04

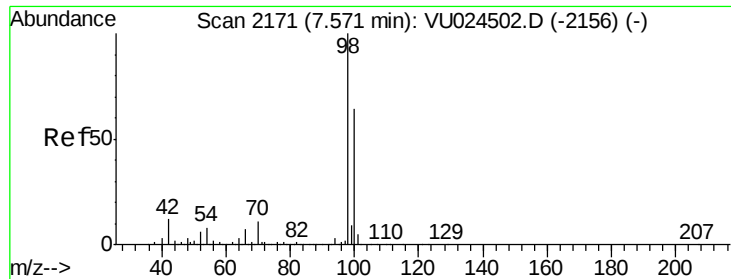
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.012 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024982.D
 Acq: 27 Jun 2018 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.1	114.1#
121	0.0	23.7	35.5#

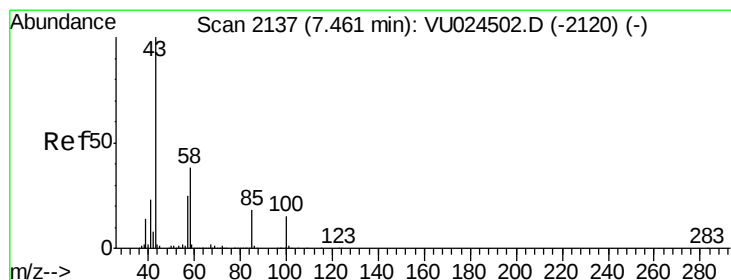
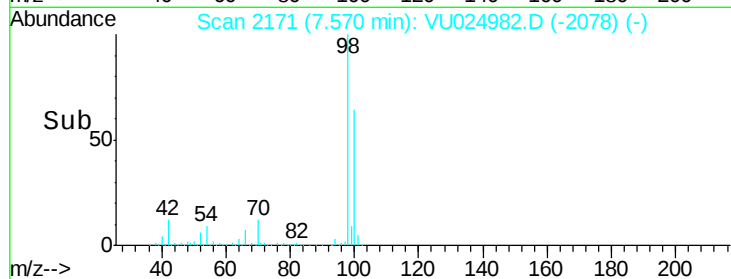
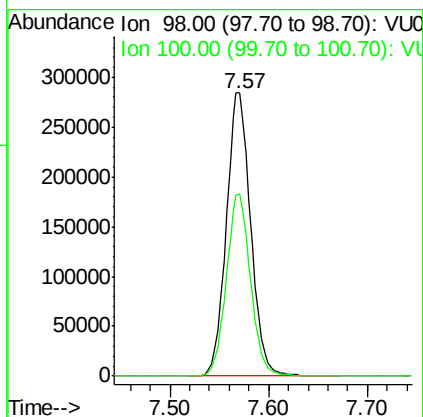
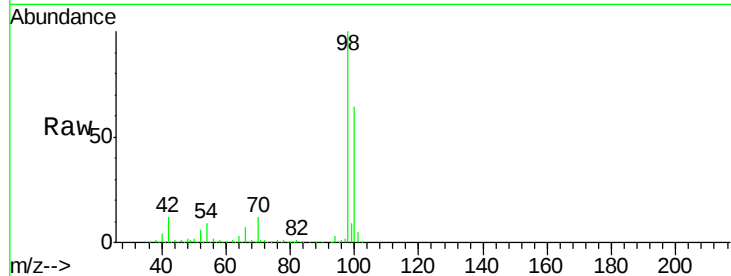




#50
Toluene-d8
Concen: 47.602 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

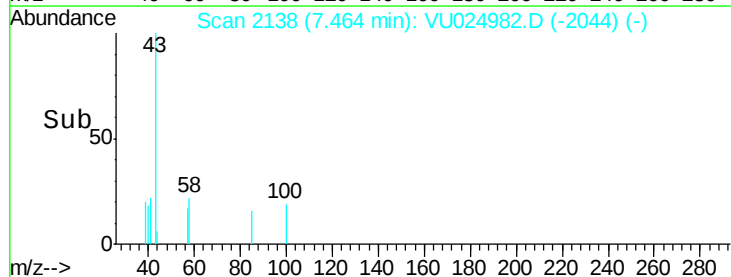
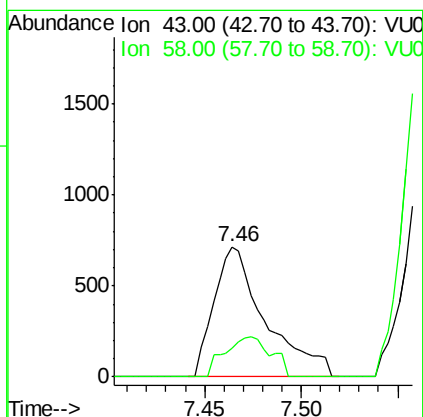
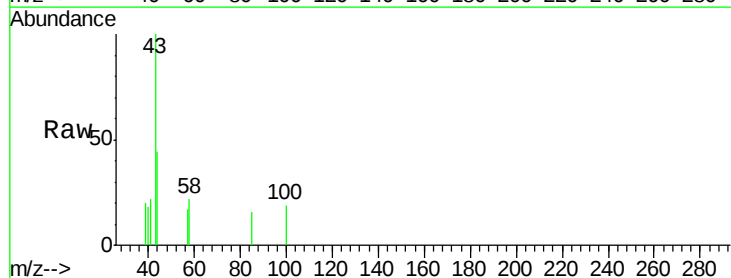
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

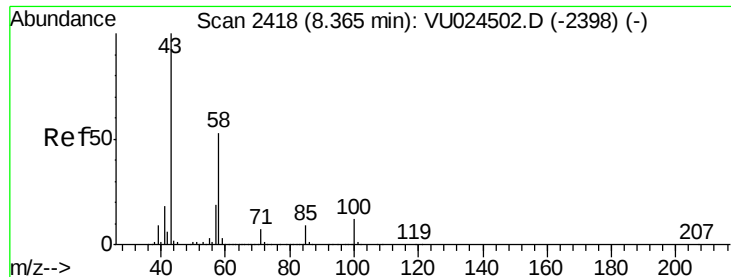
Tgt Ion: 98 Resp: 492050
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.278 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 27.7 30.0 45.0#

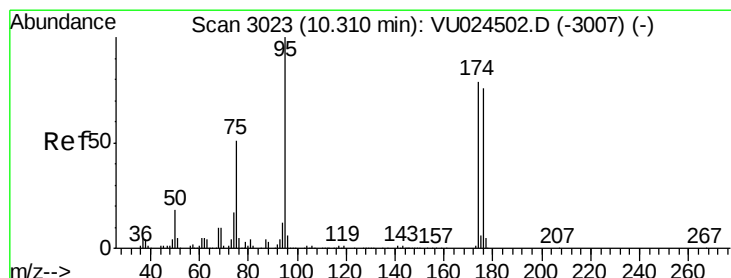
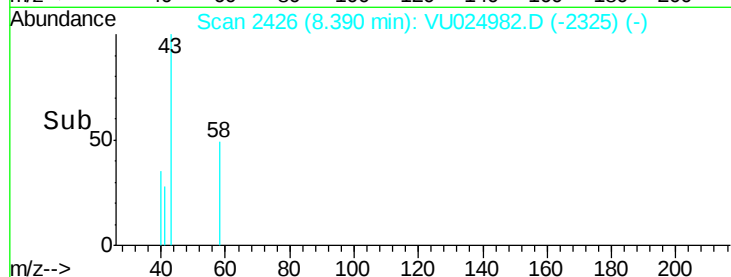
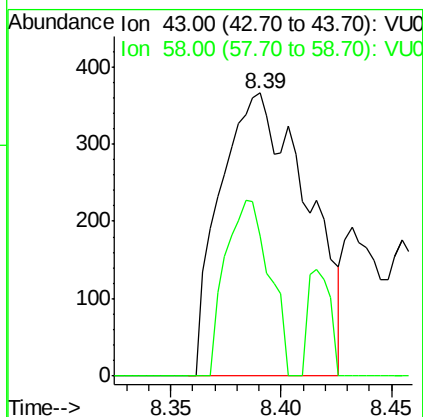
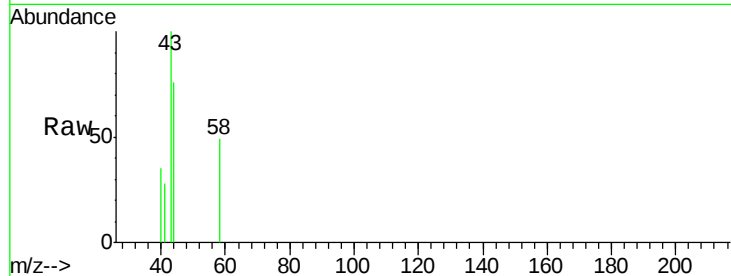




#59
2-Hexanone
Concen: 0.258 ug/l
RT: 8.39 min Scan# 2426
Delta R.T. 0.03 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

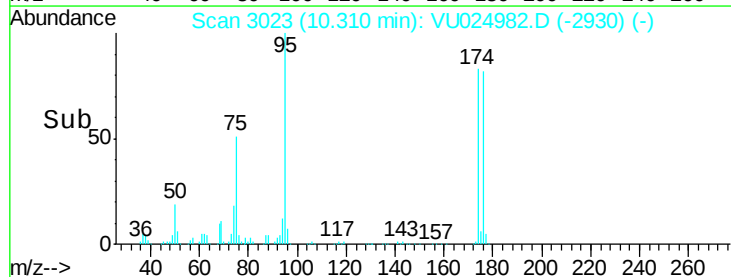
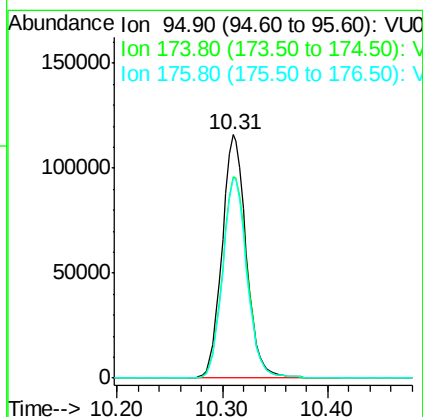
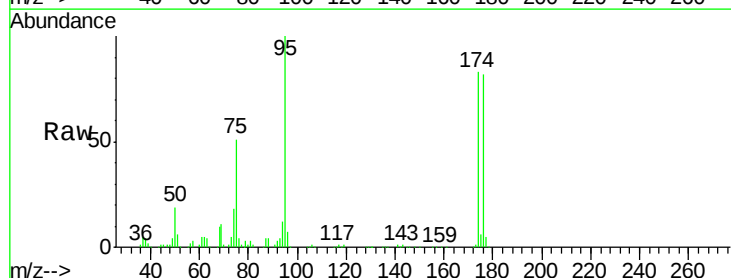
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

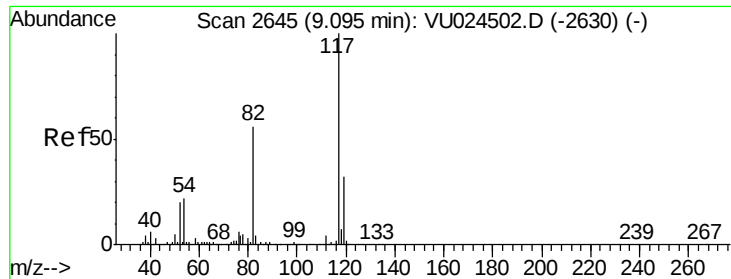
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 31.6 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 44.782 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion: 95 Resp: 183791
Ion Ratio Lower Upper
95 100
174 84.9 0.0 165.8
176 82.2 0.0 159.4

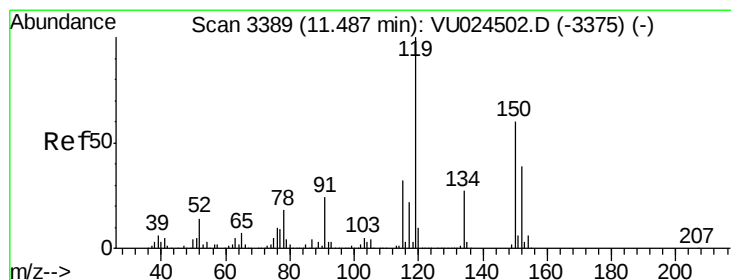
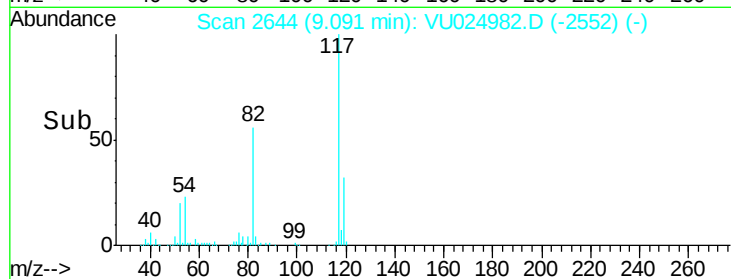
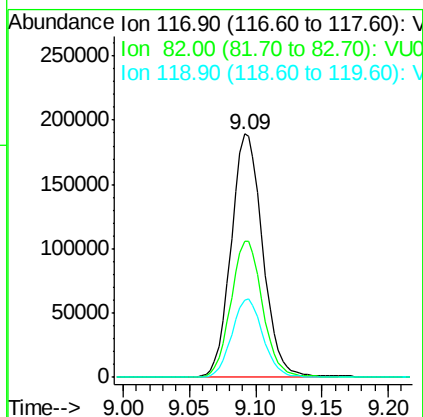
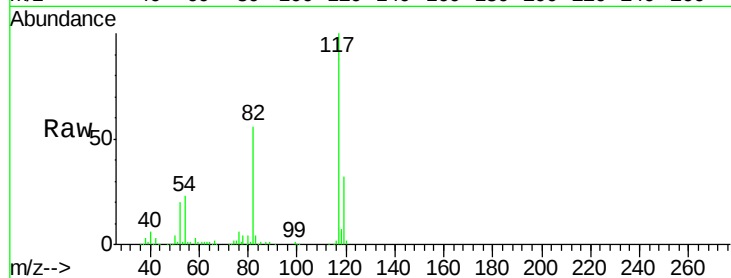




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

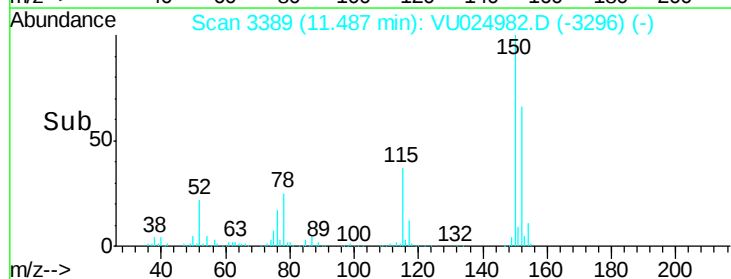
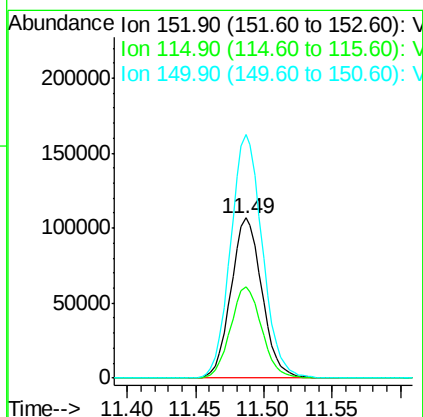
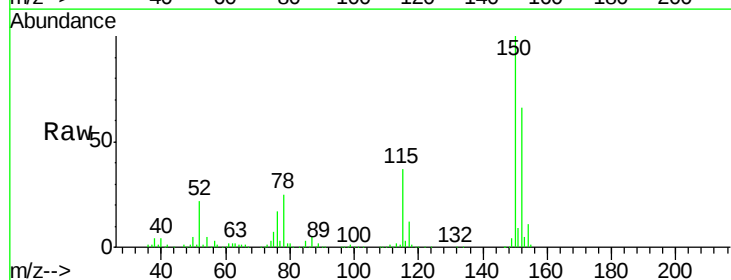
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

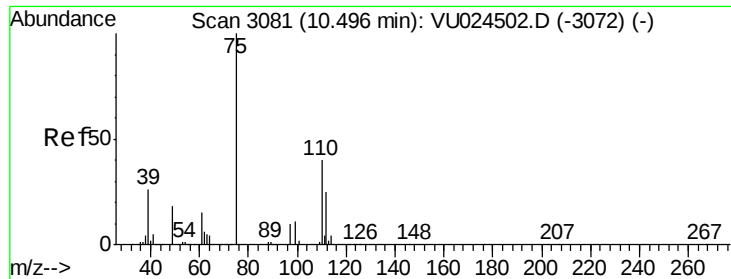
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	31.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	43.0	129.0
150	155.1	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.806 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

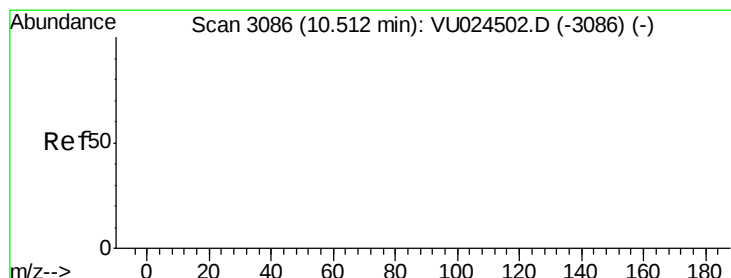
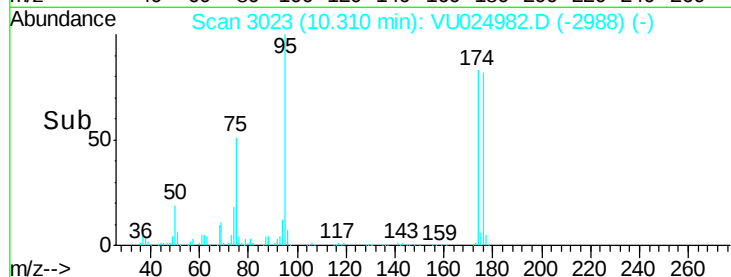
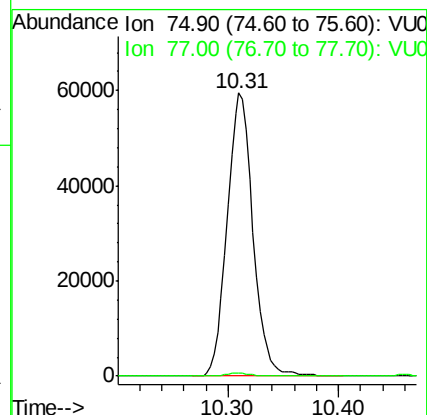
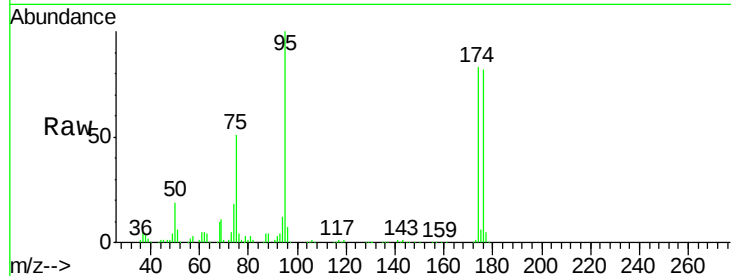
VU0627MBL04

Tgt Ion: 75 Resp: 96275

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.727 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

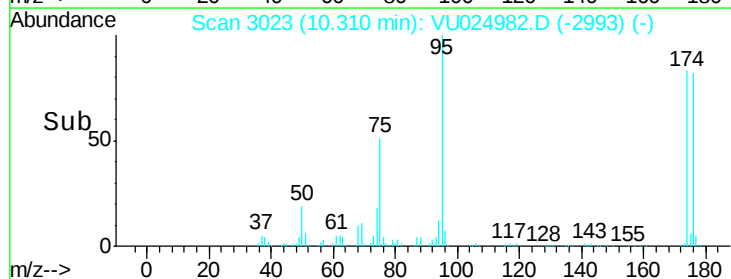
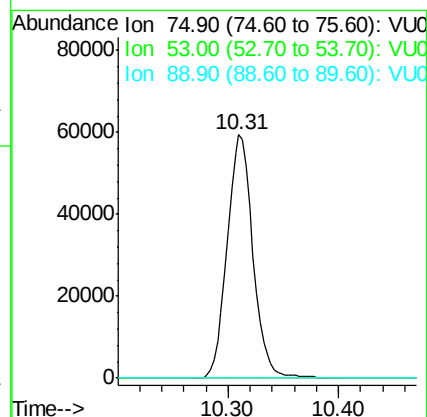
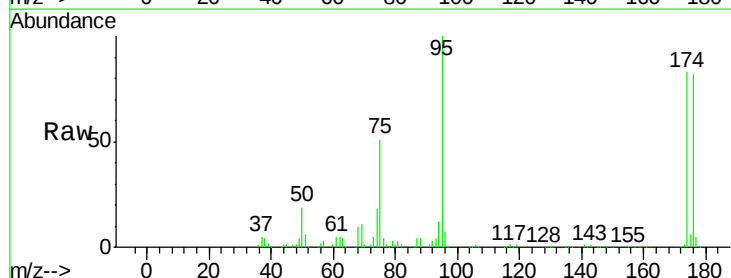
Tgt Ion: 75 Resp: 96275

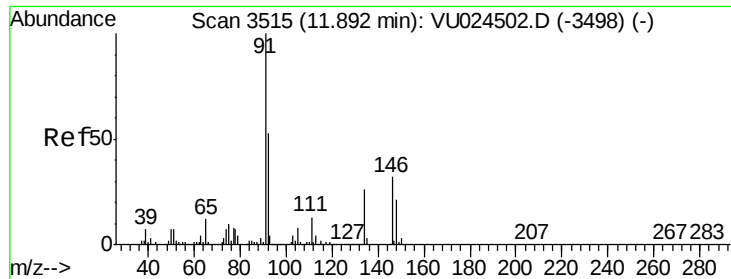
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0#

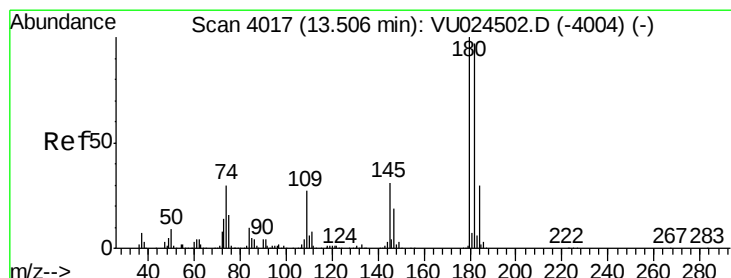
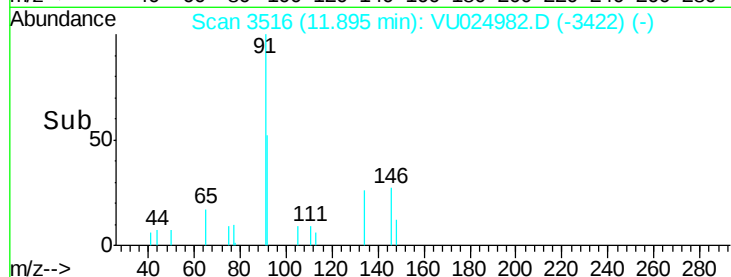
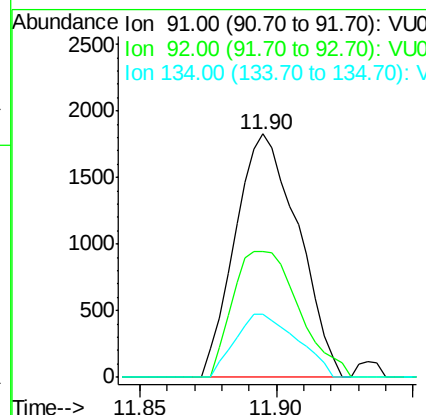
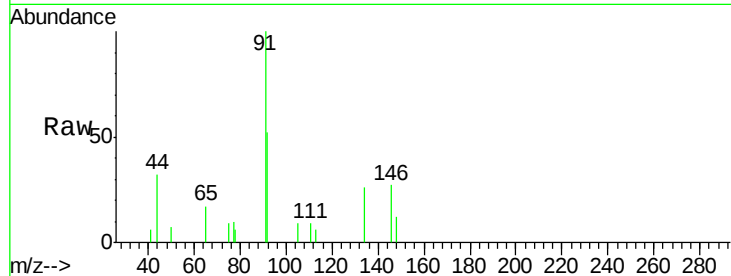




#89
n-Butylbenzene
Concen: 0.271 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

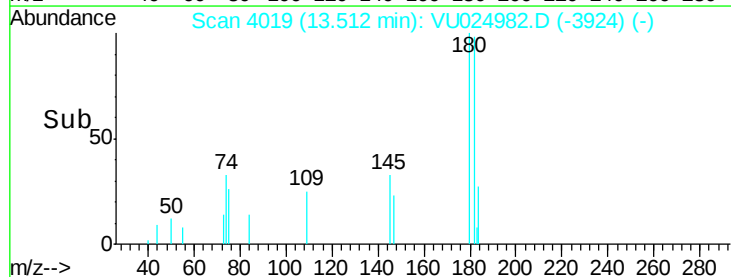
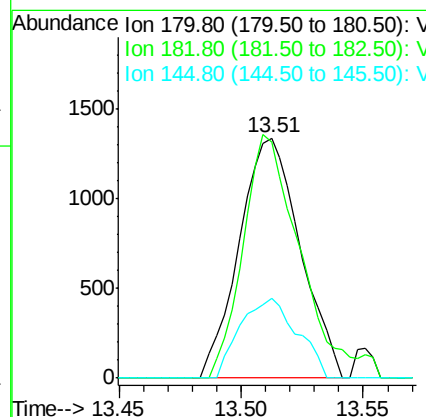
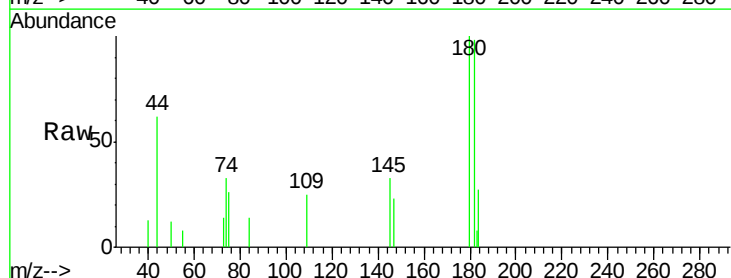
Instrument :
MSVOA_U
ClientSampleId :
VU0627MBL04

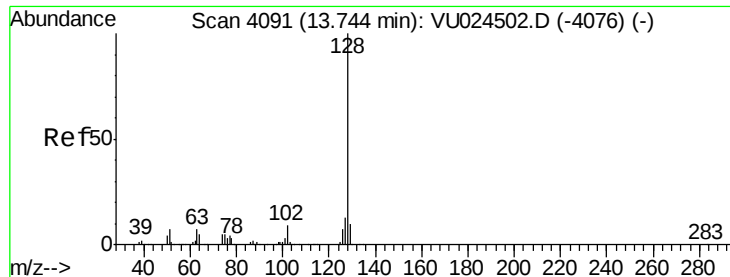
Tgt Ion: 91 Resp: 2930
Ion Ratio Lower Upper
91 100
92 54.4 25.6 76.8
134 25.6 12.3 36.8



#93
1,2,4-Trichlorobenzene
Concen: 0.614 ug/l
RT: 13.51 min Scan# 4019
Delta R.T. 0.01 min
Lab File: VU024982.D
Acq: 27 Jun 2018 22:07

Tgt Ion: 180 Resp: 2312
Ion Ratio Lower Upper
180 100
182 95.6 48.0 144.2
145 31.1 14.7 44.1





#95

Naphthalene

Concen: 2.338 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBL04

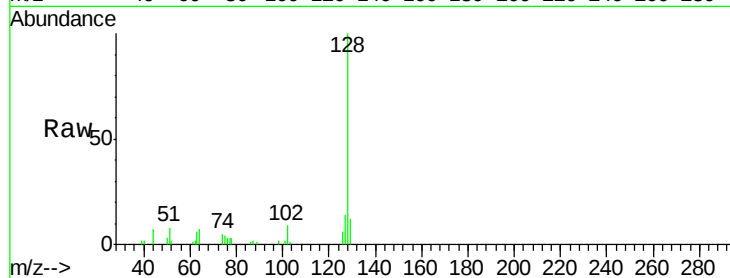
Tgt Ion:128 Resp: 20953

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

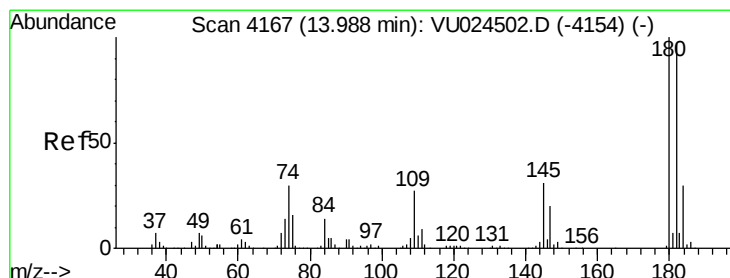
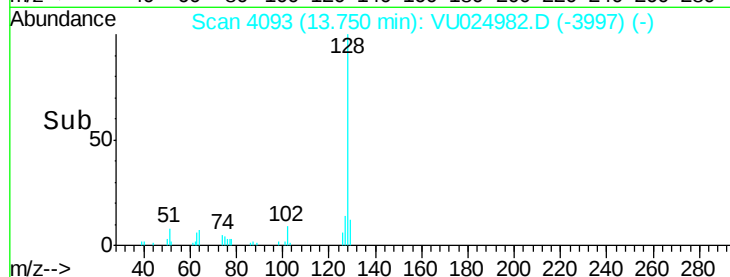
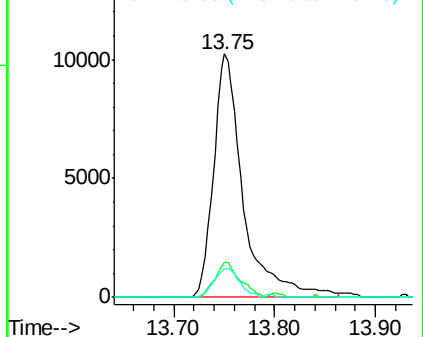
129 10.3 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.942 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024982.D

Acq: 27 Jun 2018 22:07

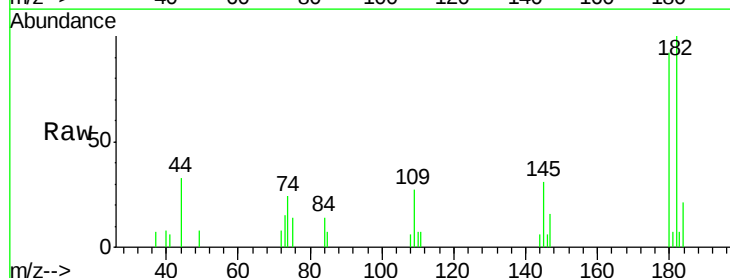
Tgt Ion:180 Resp: 3534

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.7

145 29.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

