

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024569.D
 Acq On : 15 Jun 2018 03:17
 Operator : MD/SY
 Sample : J3478-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:13:48 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

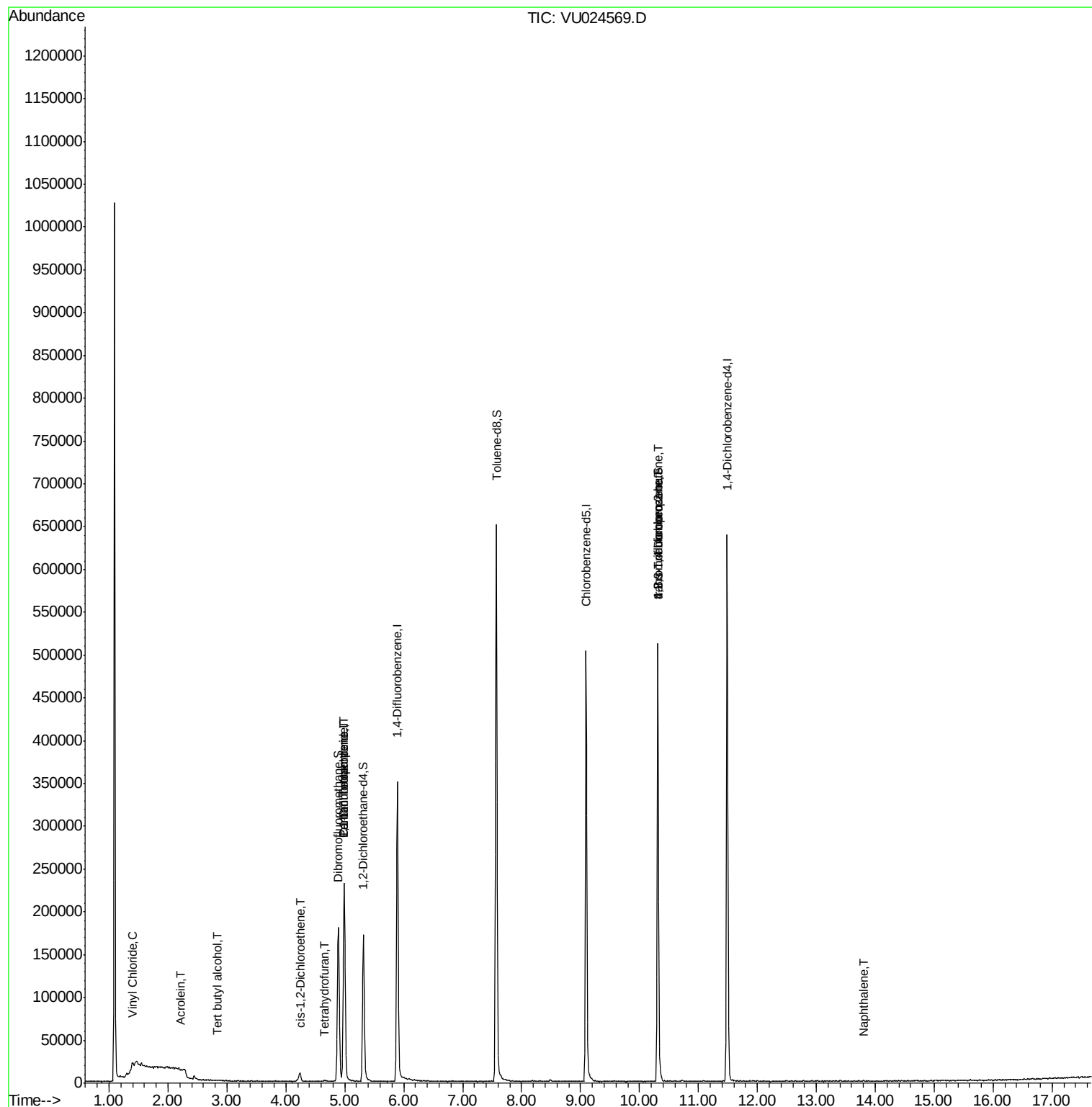
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308555	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	290033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	134335	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	
35) Dibromofluoromethane	4.89	113	122299	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
50) Toluene-d8	7.57	98	447026	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	10.31	95	174223	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	2832	1.146	ug/l #	28
6) Chloroethane	1.69	64	558	Below Cal	#	43
8) Diethyl Ether	2.10	74	41	Below Cal	#	1
11) Tert butyl alcohol	2.83	59	482	0.648	ug/l #	91
13) Acrolein	2.21	56	127	0.325	ug/l #	13
27) cis-1,2-Dichloroethene	4.24	96	6413	2.375	ug/l	79
29) Tetrahydrofuran	4.65	42	850	0.622	ug/l #	42
31) Cyclohexane	4.99	56	4245	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	13004	3.587	ug/l #	48
38) Carbon Tetrachloride	4.99	117	17420	4.369	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	85234	22.360	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	85234	51.750	ug/l #	100
95) Naphthalene	13.79	128	19	0.681	ug/l #	69

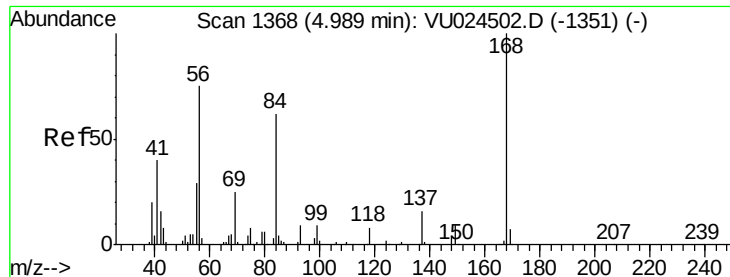
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

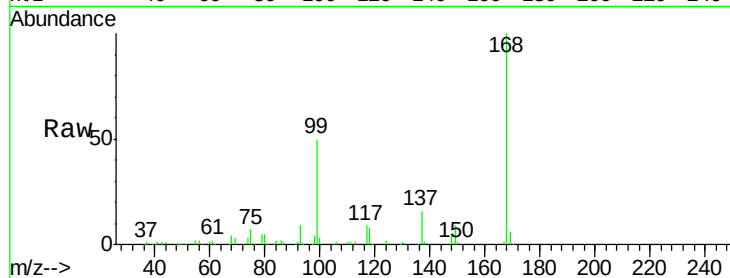
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 187314

Ion Ratio Lower Upper

168 100

99 50.3 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) (-)

4.99

80000

60000

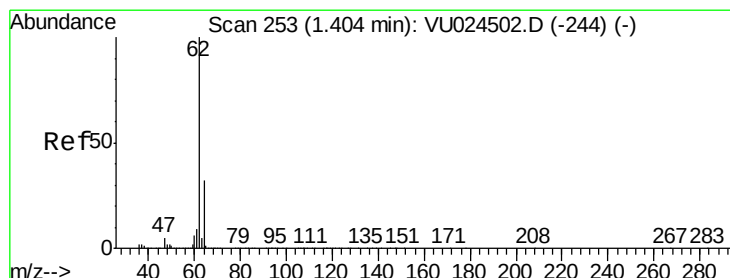
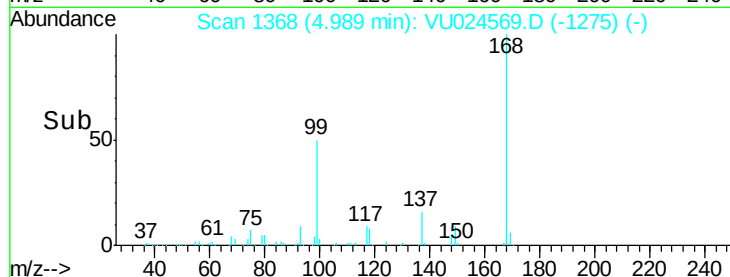
40000

20000

0

Time-->

4.90 5.00 5.10



#4

Vinyl Chloride

Concen: 1.146 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024569.D

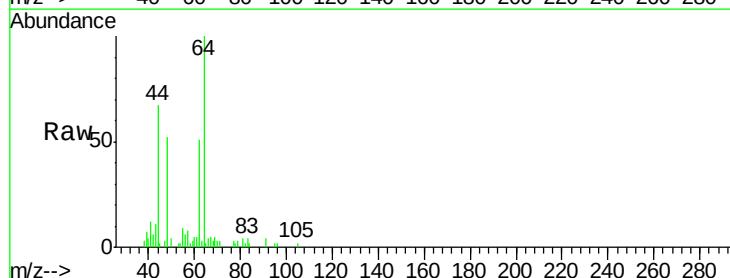
Acq: 15 Jun 2018 03:17

Tgt Ion: 62 Resp: 2832

Ion Ratio Lower Upper

62 100

64 70.4 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.41

8000

6000

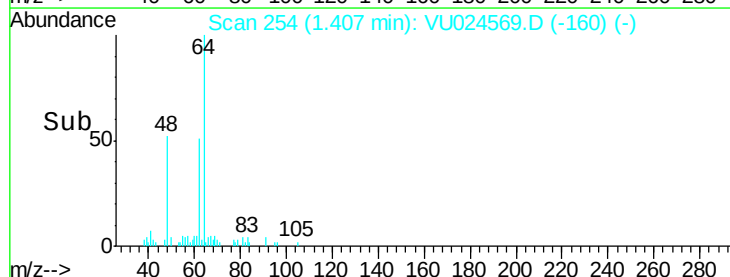
4000

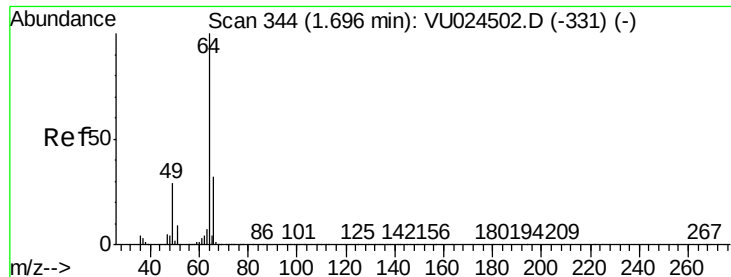
2000

0

Time-->

1.38 1.40 1.42 1.44





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

Instrument :

MSVOA_U

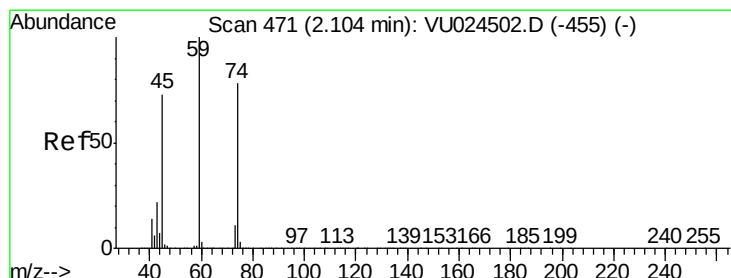
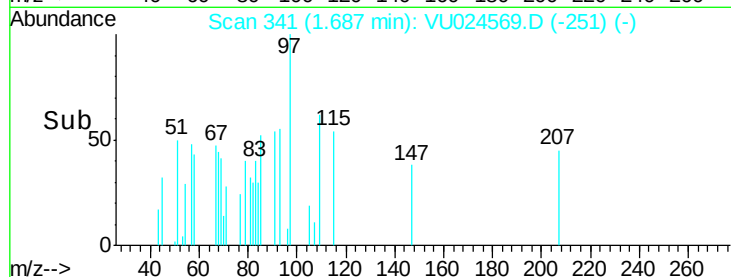
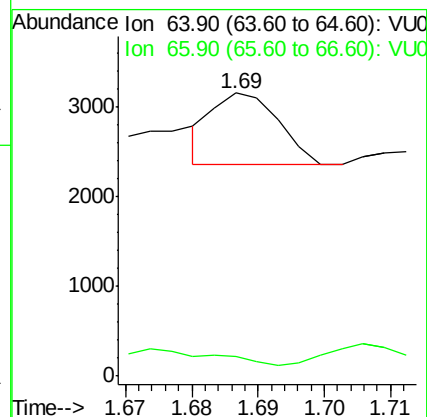
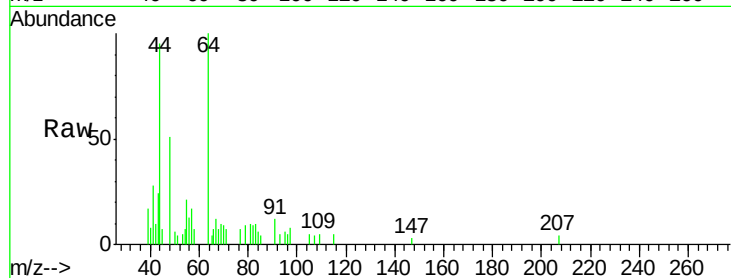
ClientSampleId :

Tot Ion: 64 Resp: 558

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU024569.D

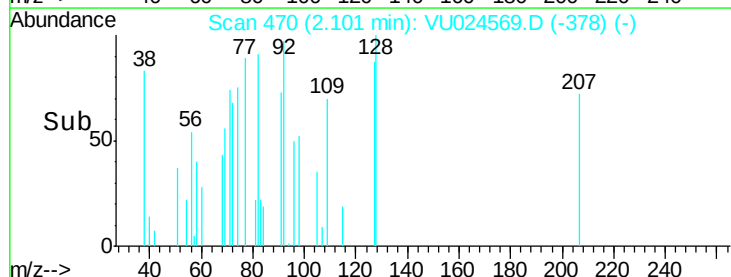
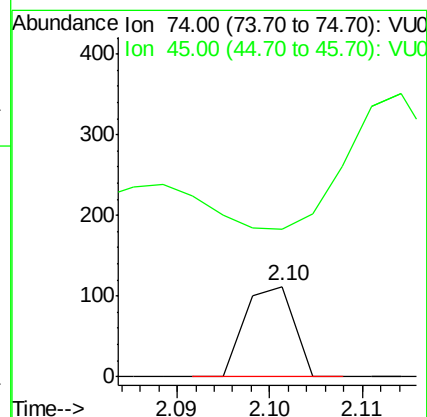
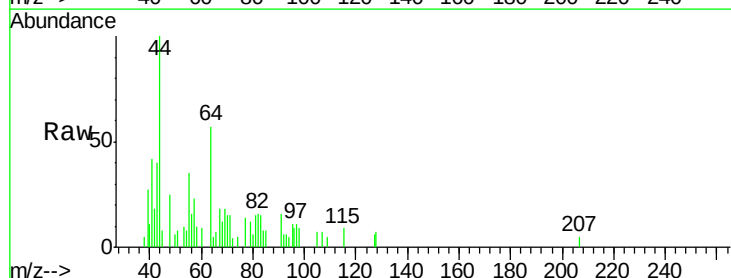
Acq: 15 Jun 2018 03:17

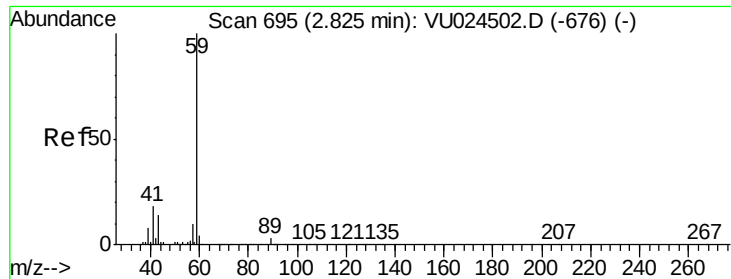
Tgt Ion: 74 Resp: 41

Ion Ratio Lower Upper

74 100

45 275.6 55.0 165.0#

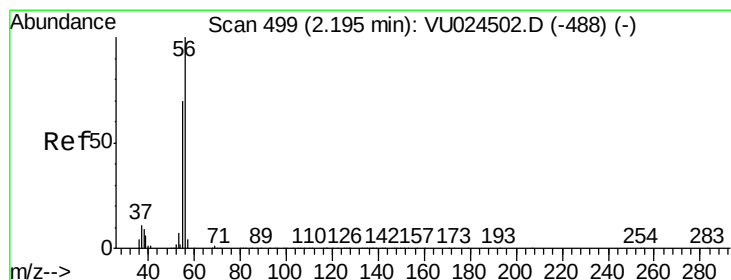
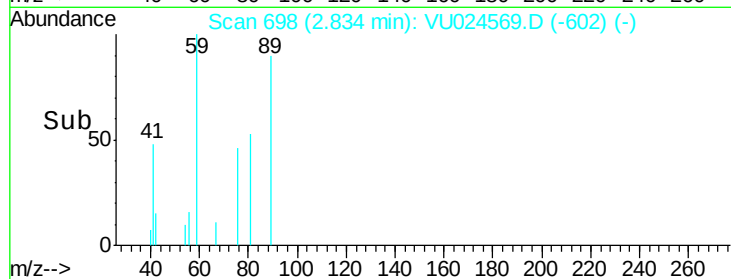
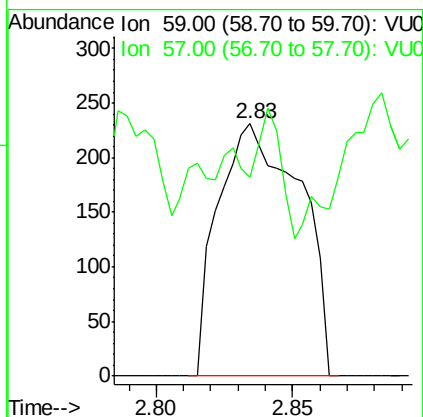
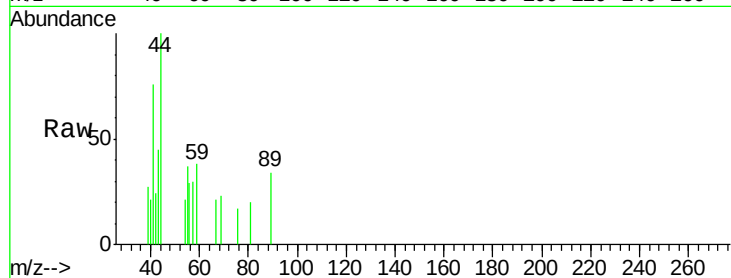




#11
Tert butyl alcohol
Concen: 0.648 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

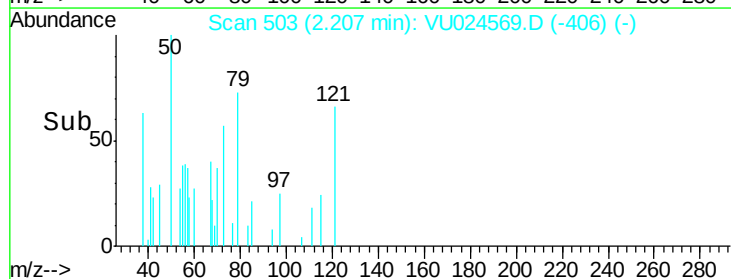
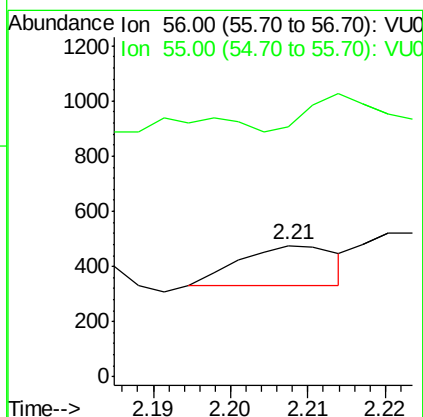
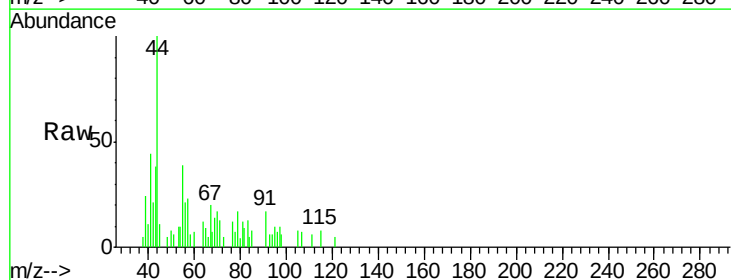
Instrument :
MSVOA_U
ClientSampleId :

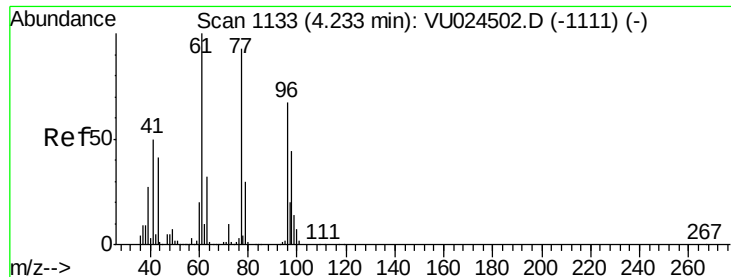
Tot Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 13.9 8.5 12.7#



#13
Acrolein
Concen: 0.325 ug/l
RT: 2.21 min Scan# 503
Delta R.T. 0.01 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#27

cis-1,2-Dichloroethene

Concen: 2.375 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :

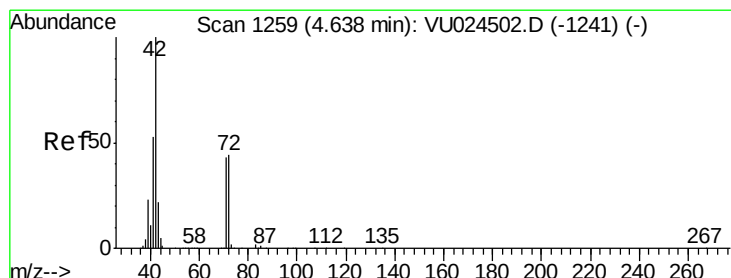
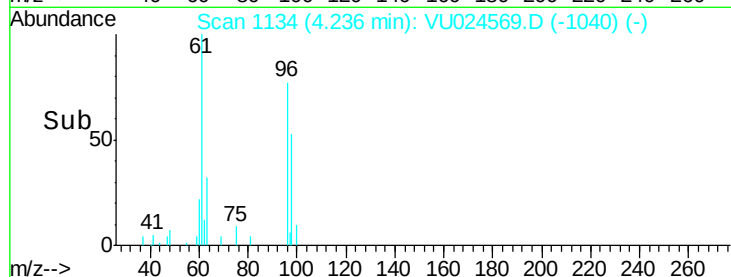
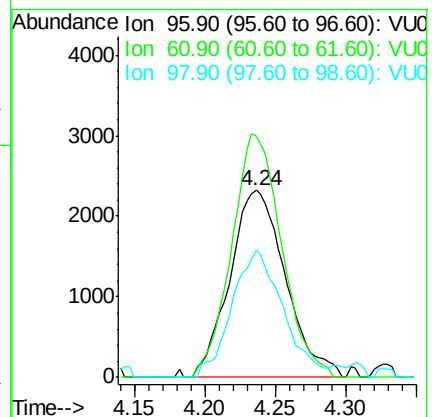
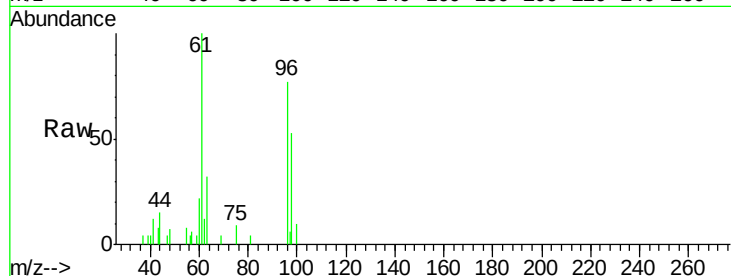
Tot Ion: 96 Resp: 6413

Ion	Ratio	Lower	Upper
96	100		
61	117.1	0.0	306.6
98	62.0	0.0	128.8

96 100

61 117.1 0.0 306.6

98 62.0 0.0 128.8



#29

Tetrahydrofuran

Concen: 0.622 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. 0.02 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

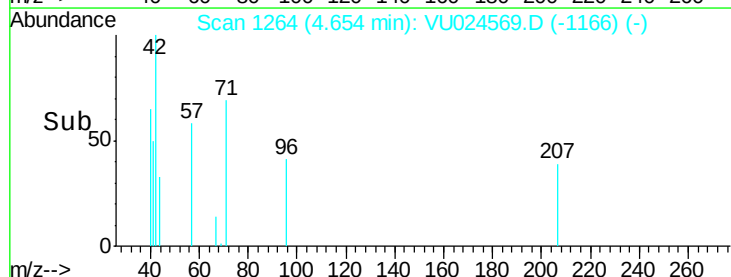
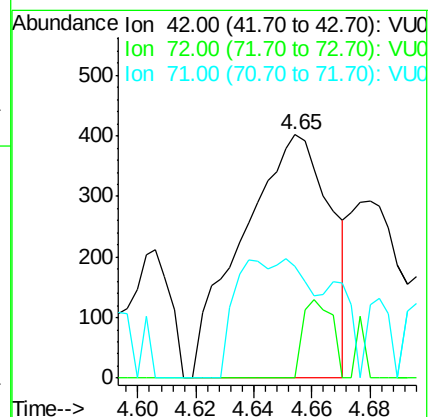
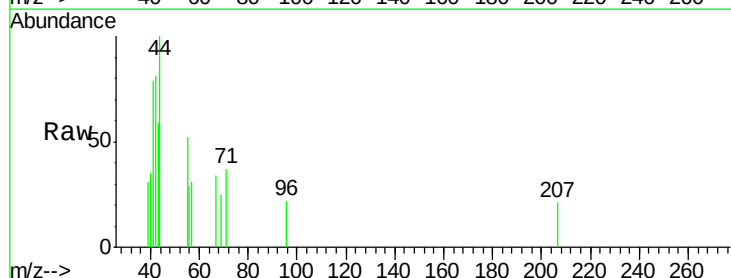
Tgt Ion: 42 Resp: 850

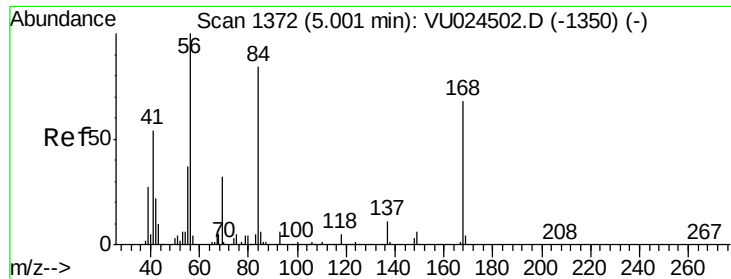
Ion	Ratio	Lower	Upper
42	100		
72	10.5	34.5	51.7#
71	0.0	32.2	48.4#

42 100

72 10.5 34.5 51.7#

71 0.0 32.2 48.4#

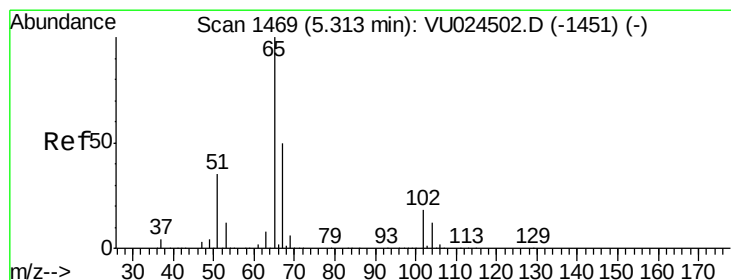
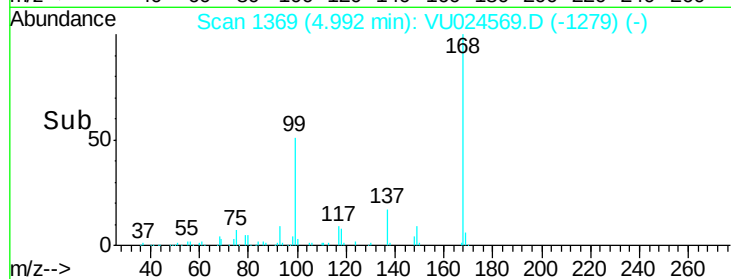
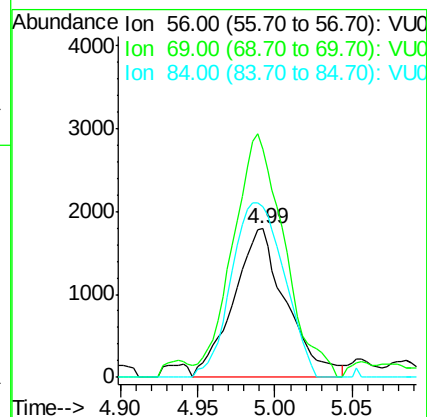
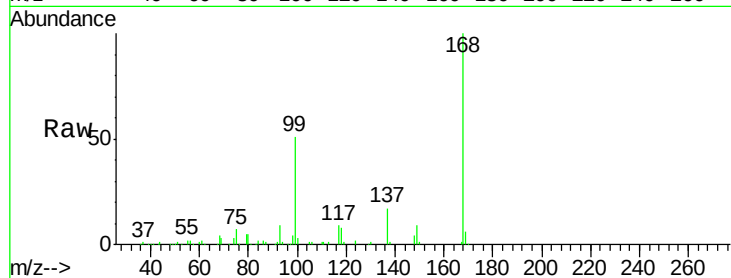




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

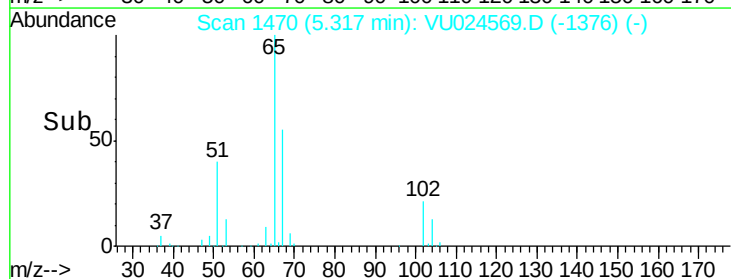
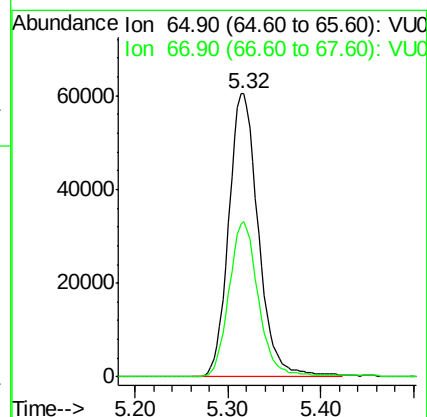
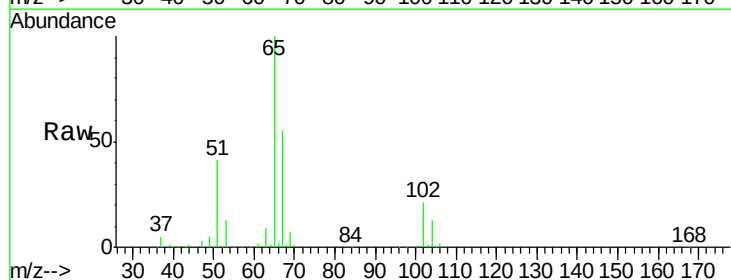
Instrument :
MSVOA_U
ClientSampleId :

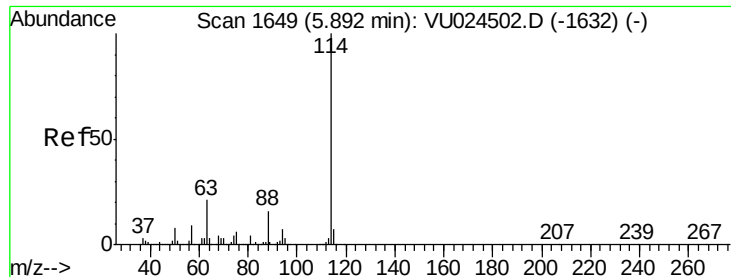
Tot Ion: 56 Resp: 4245
Ion Ratio Lower Upper
56 100
69 153.9 24.8 37.2#
84 114.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 43.930 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

Tgt Ion: 65 Resp: 134335
Ion Ratio Lower Upper
65 100
67 54.1 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: VU024569.D

Acq: 15 Jun 2018 03:17

Instrument :

MSVOA_U

ClientSampleId :

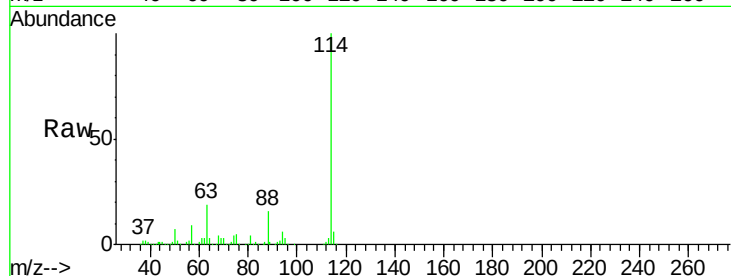
Tot Ion:114 Resp: 308555

Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.4

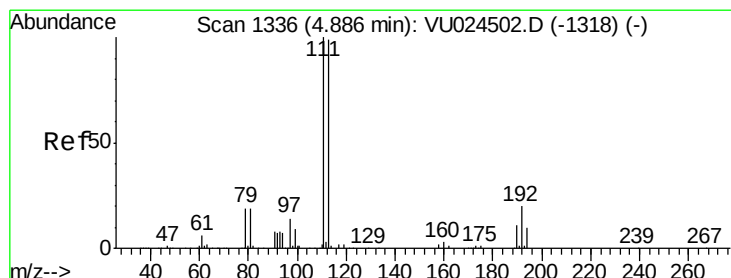
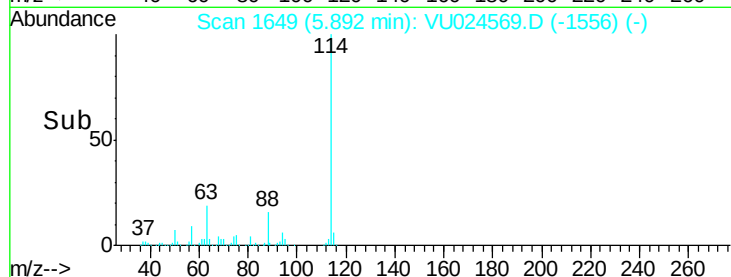
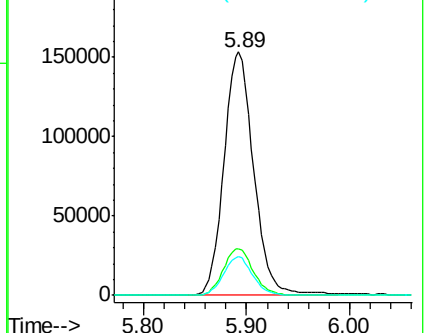
88 15.9 0.0 31.0



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: 47.759 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

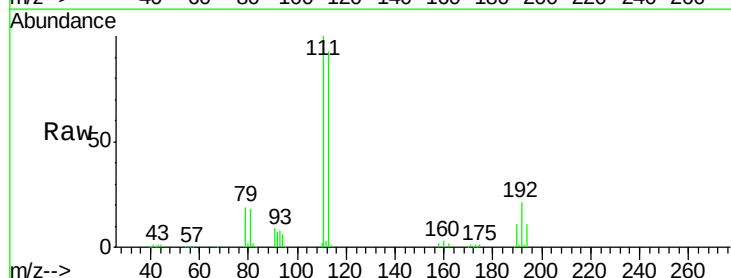
Tgt Ion:113 Resp: 122299

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

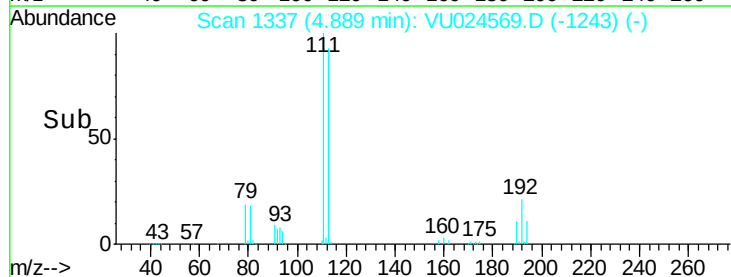
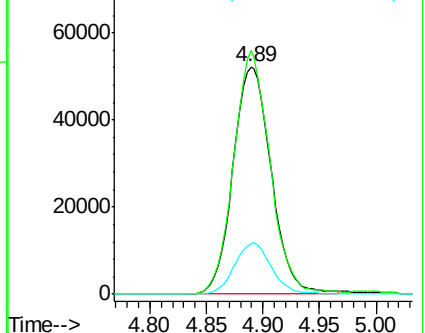
192 21.7 16.2 24.4

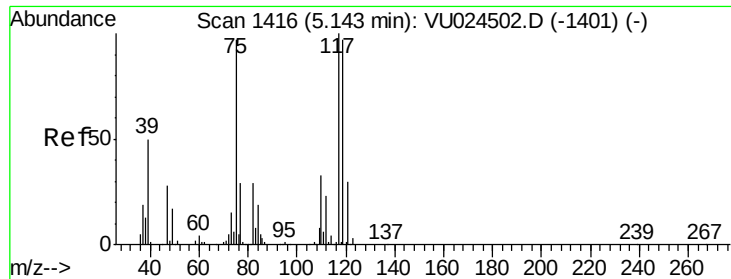


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

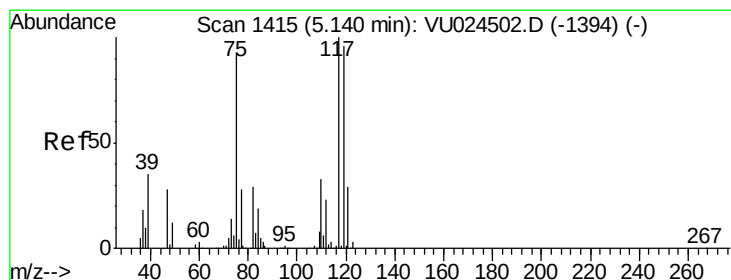
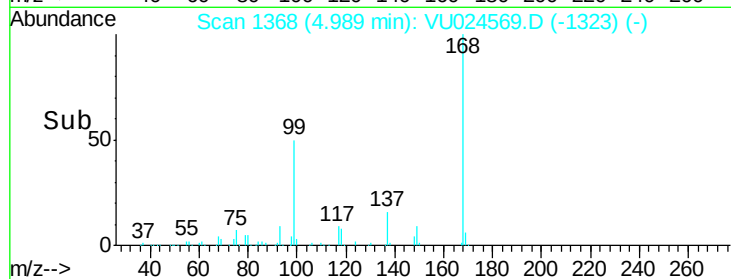
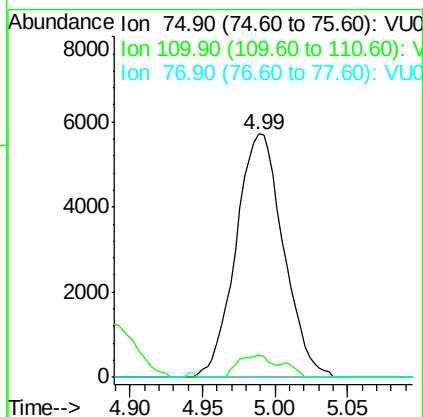
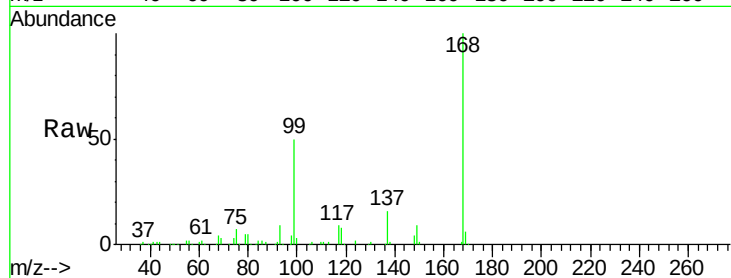




#36
 1,1-Dichloropropene
 Concen: 3.587 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024569.D
 Acq: 15 Jun 2018 03:17

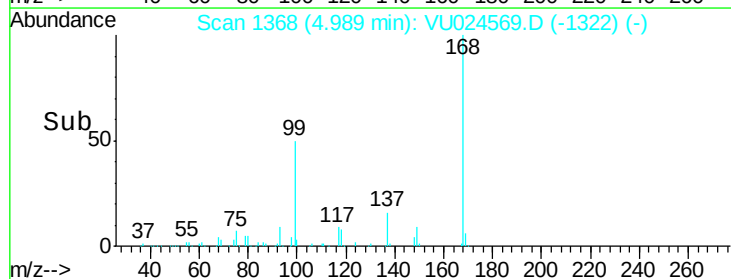
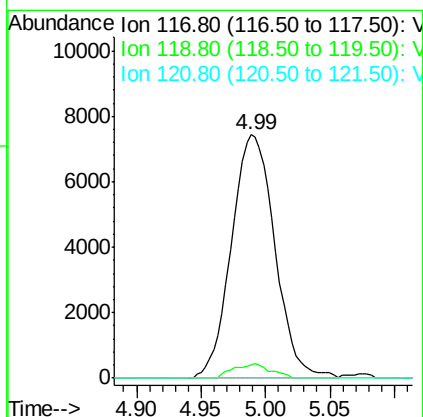
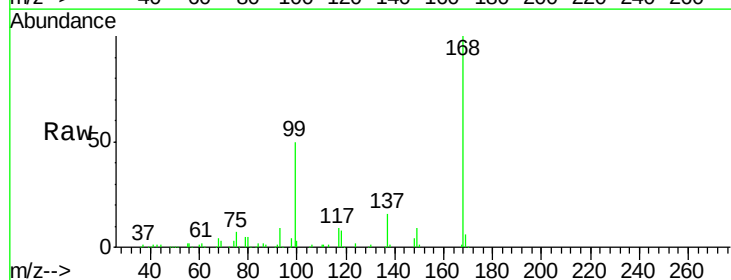
Instrument :
 MSVOA_U
 ClientSampleId :

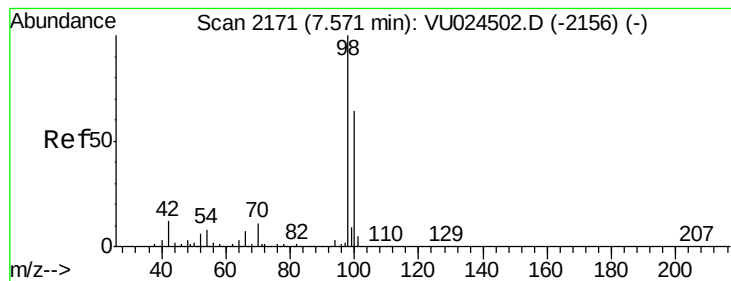
Tot Ion	75	Resp	13004
Ion Ratio	Lower	Upper	
75	100		
110	6.5	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.369 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024569.D
 Acq: 15 Jun 2018 03:17

Tgt Ion	117	Resp	17420
Ion Ratio	Lower	Upper	
117	100		
119	5.3	76.1	114.1#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 47.858 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

Instrument :

MSVOA_U

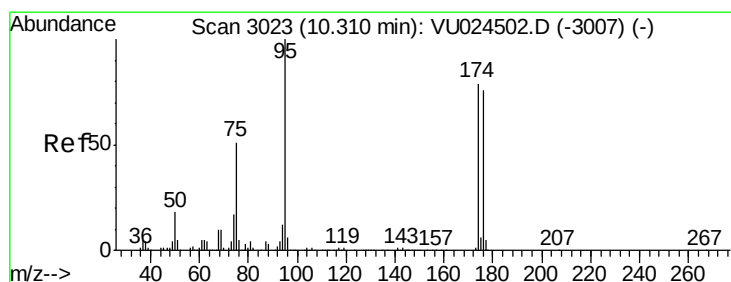
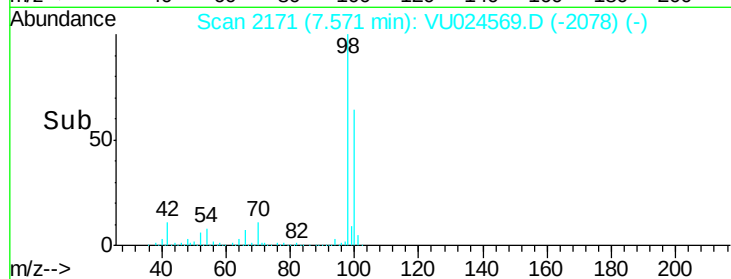
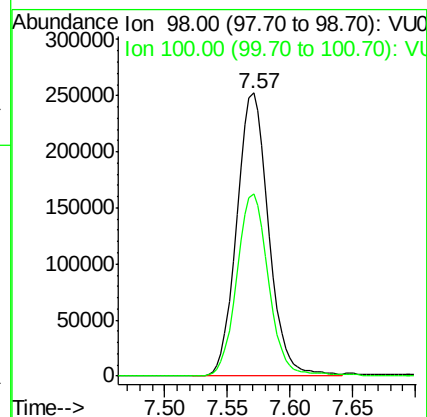
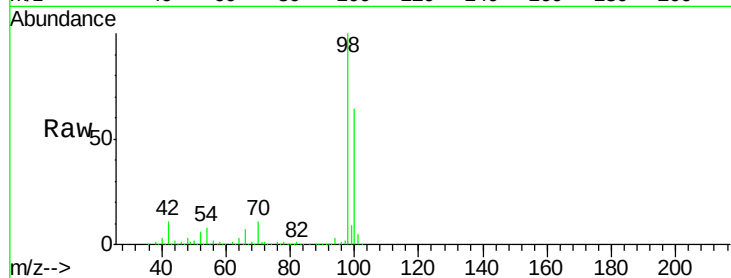
ClientSampleId :

Tot Ion: 98 Resp: 447026

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 46.978 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

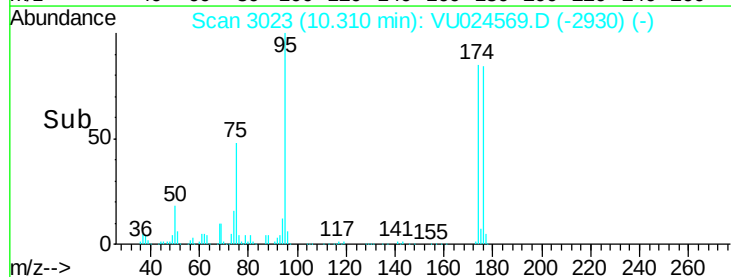
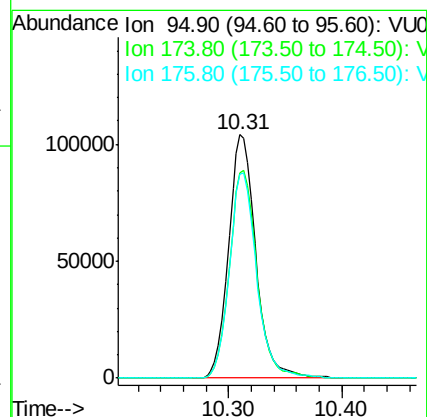
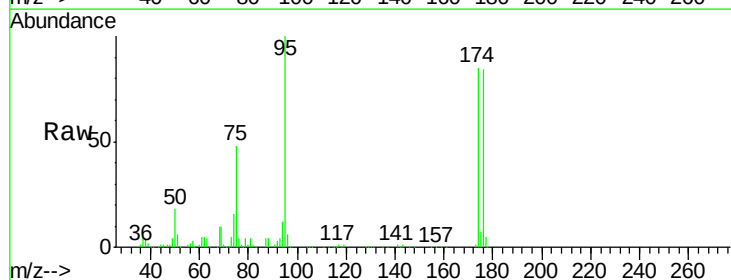
Tgt Ion: 95 Resp: 174223

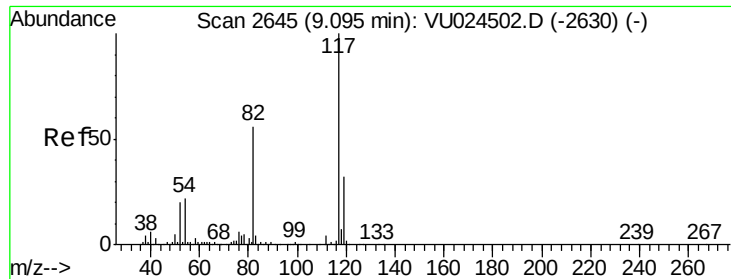
Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

176 84.2 0.0 159.4

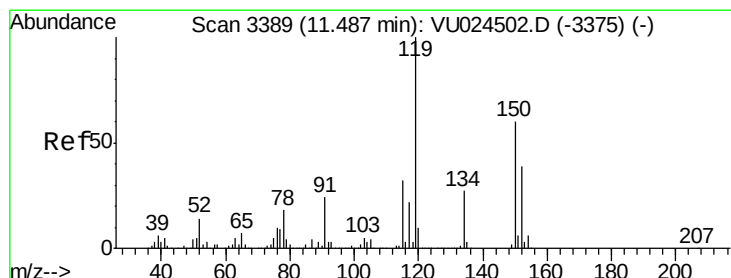
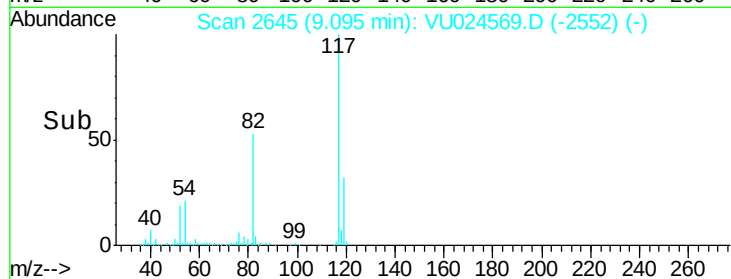
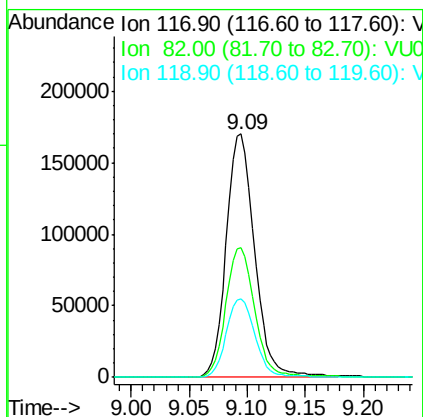
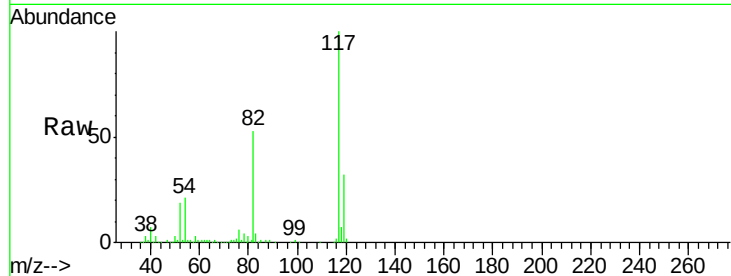




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

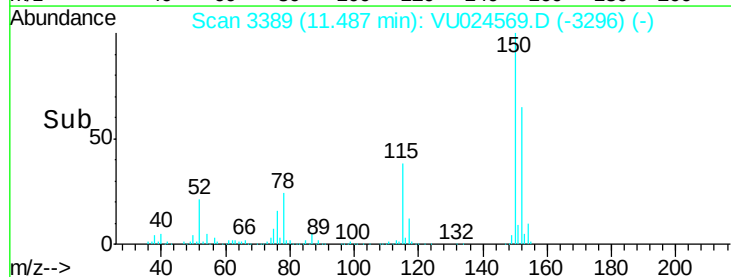
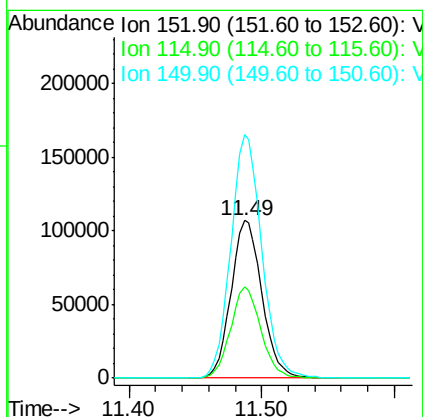
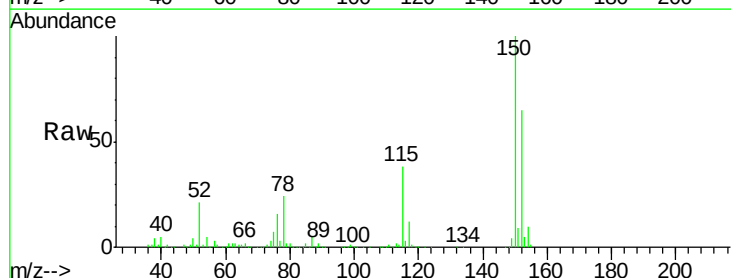
Instrument :
MSVOA_U
ClientSampled :

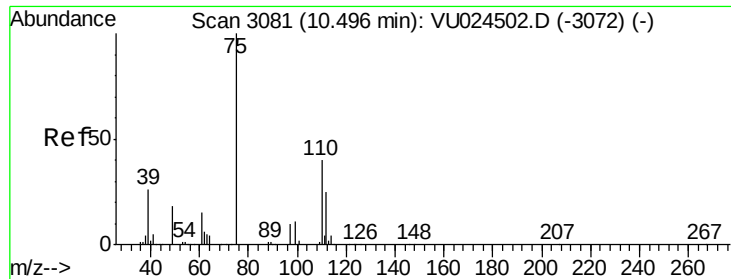
Tot Ion:117 Resp: 290033
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024569.D
Acq: 15 Jun 2018 03:17

Tgt Ion:152 Resp: 173142
Ion Ratio Lower Upper
152 100
115 56.8 43.0 129.0
150 155.0 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 22.360 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

Instrument :

MSVOA_U

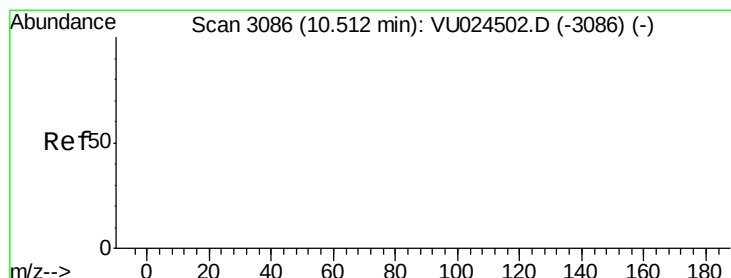
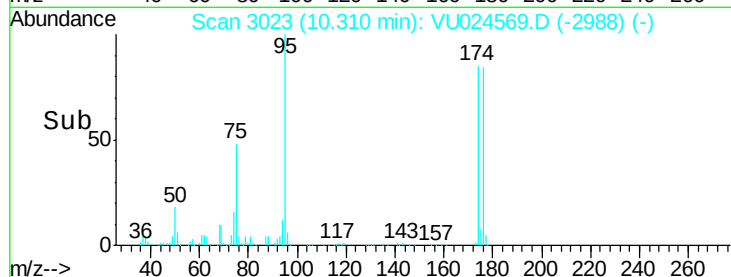
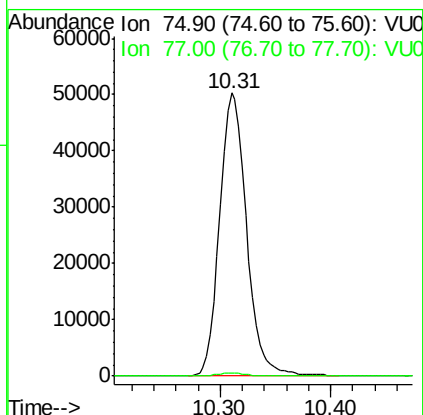
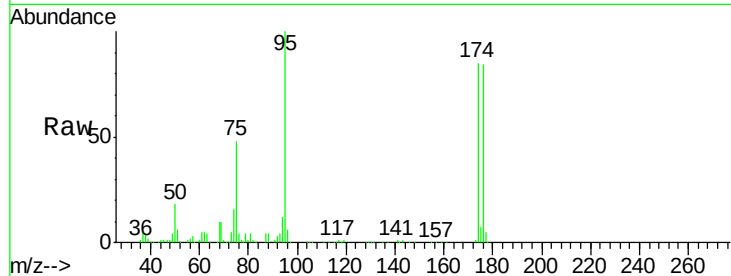
ClientSampleId :

Tot Ion: 75 Resp: 85234

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.750 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

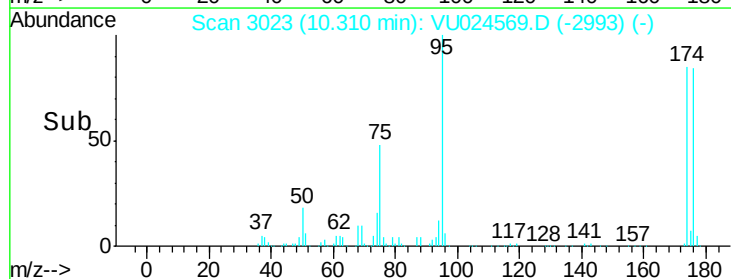
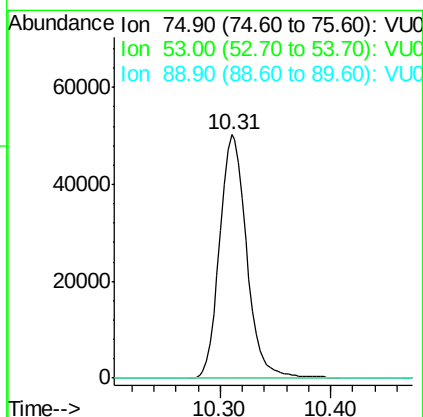
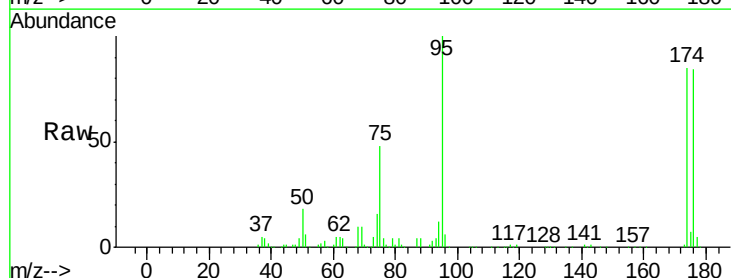
Tgt Ion: 75 Resp: 85234

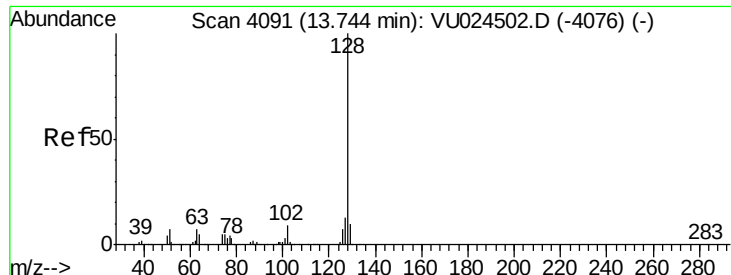
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.681 ug/l

RT: 13.79 min Scan# 4105

Delta R.T. 0.05 min

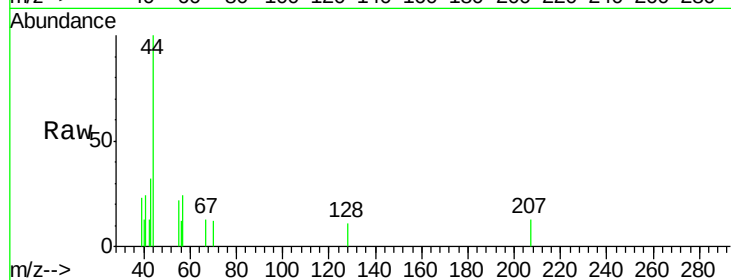
Lab File: VU024569.D

Acq: 15 Jun 2018 03:17

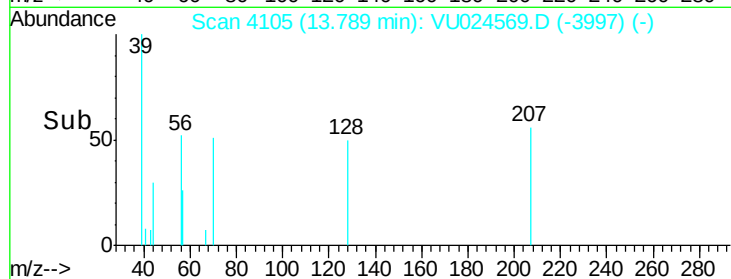
Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	19
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

