

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033969.D
 Acq On : 27 Aug 2019 00:36
 Operator : JC/SP
 Sample : K4537-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-14

Quant Time: Aug 27 12:23:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	417575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	672804	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	596344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	263033	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	300755	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
35) Dibromofluoromethane	4.86	113	226230	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	7.54	98	862450	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	10.29	95	268737	40.27	ug/l	0.00
Spiked Amount			Recovery	=	80.54%	

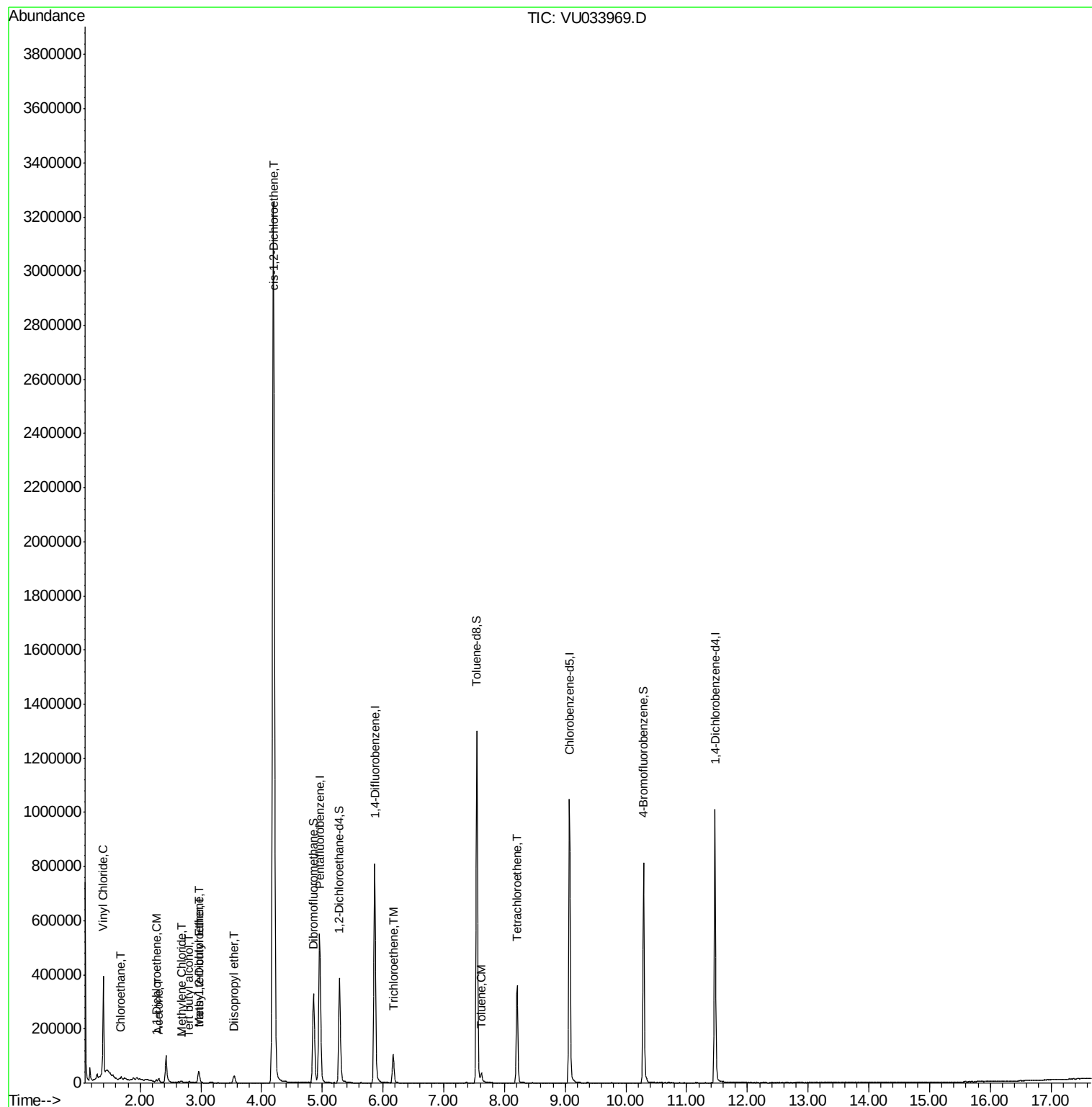
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	216477	32.904	ug/l	97
6) Chloroethane	1.68	64	6420	1.548	ug/l	93
11) Tert butyl alcohol	2.81	59	5535	4.413	ug/l #	93
12) 1,1-Dichloroethene	2.26	96	3166	0.683	ug/l	84
16) Acetone	2.31	43	14872	4.164	ug/l	96
19) Methyl tert-butyl Ether	2.98	73	9226	0.622	ug/l	95
20) Methylene Chloride	2.68	84	2076	0.362	ug/l	90
21) trans-1,2-Dichloroethene	2.96	96	15071	2.949	ug/l	94
22) Diisopropyl ether	3.54	45	24653	1.531	ug/l	93
27) cis-1,2-Dichloroethene	4.20	96	1807738	329.844	ug/l	89
44) Trichloroethene	6.16	130	37336	6.988	ug/l	100
52) Toluene	7.62	92	12775	1.066	ug/l	95
64) Tetrachloroethene	8.21	164	86644	20.264	ug/l	97

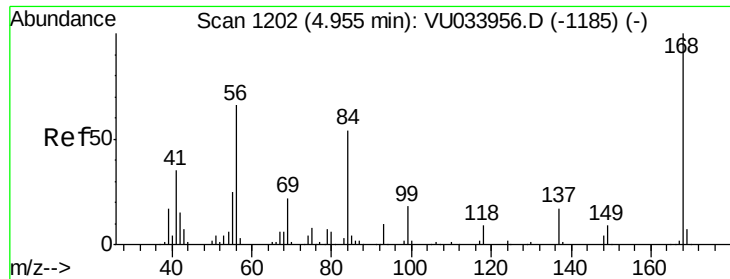
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082719\
Data File : VU033969.D
Acq On : 27 Aug 2019 00:36
Operator : JC/SP
Sample : K4537-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MW-14

Quant Time: Aug 27 12:23:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 27 06:58:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

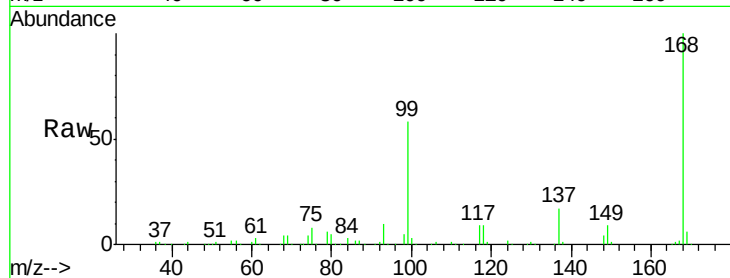
MW-14

Tot Ion:168 Resp: 417575

Ion Ratio Lower Upper

168 100

99 58.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

4.95

200000

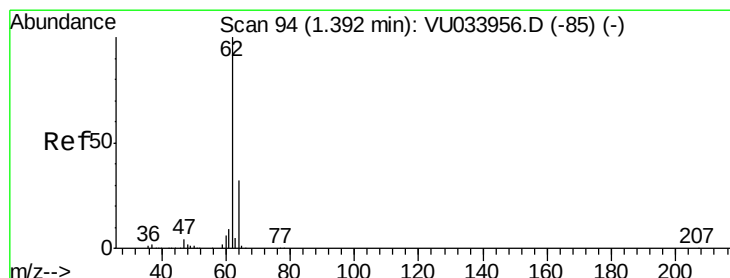
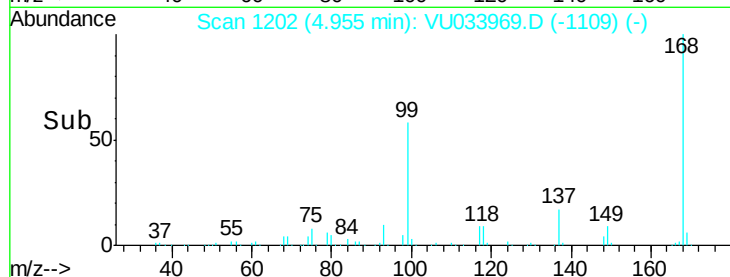
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 32.904 ug/l

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033969.D

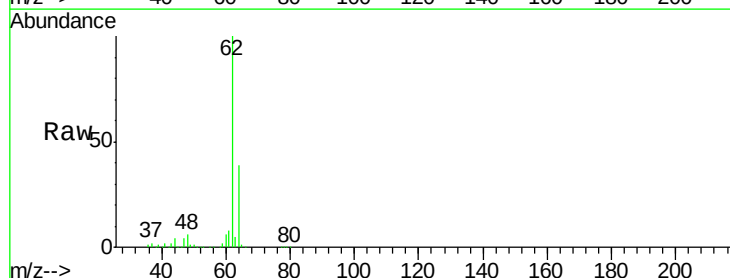
Acq: 27 Aug 2019 00:36

Tgt Ion: 62 Resp: 216477

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033956.D (-85) (-)

Ion 63.90 (63.60 to 64.60): VU033956.D (-85) (-)

1.39

250000

200000

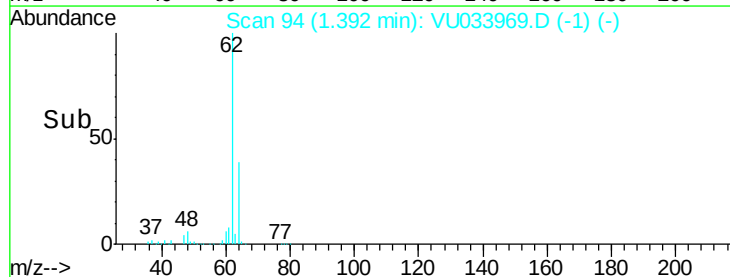
150000

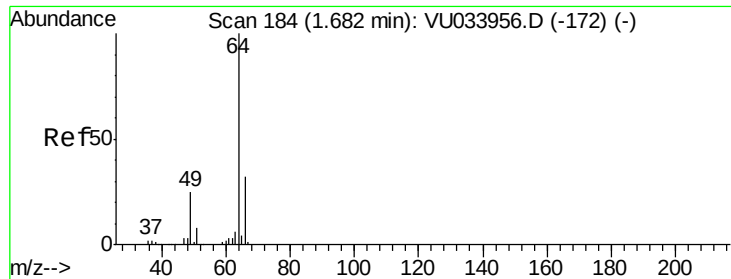
100000

50000

0

Time-->





#6

Chloroethane

Concen: 1.548 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

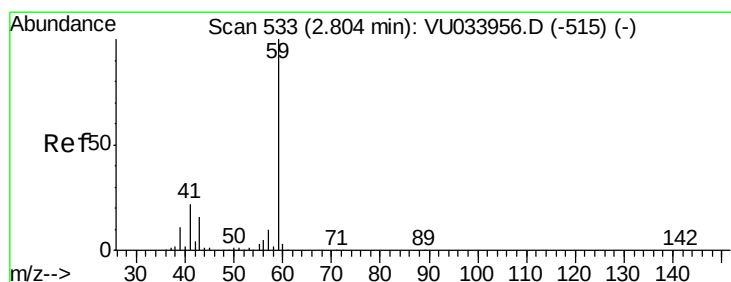
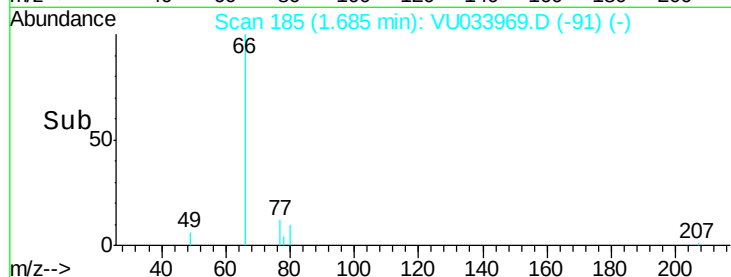
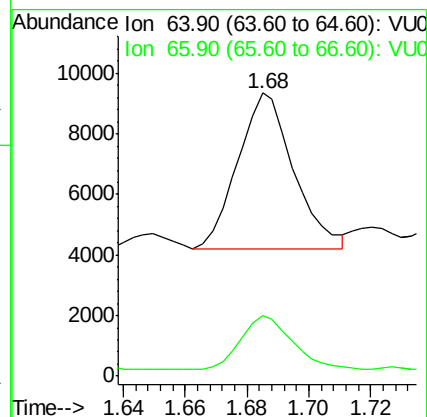
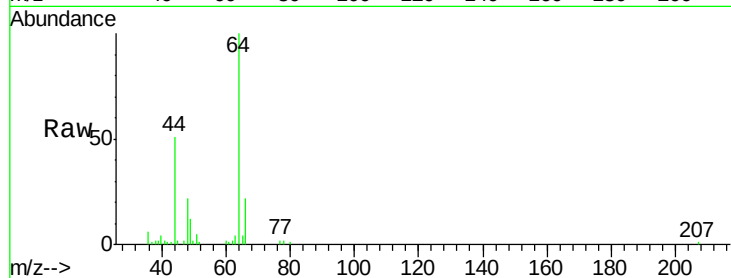
MW-14

Tot Ion: 64 Resp: 6420

Ion Ratio Lower Upper

64 100

66 35.0 25.1 37.7



#11

Tert butyl alcohol

Concen: 4.413 ug/l

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU033969.D

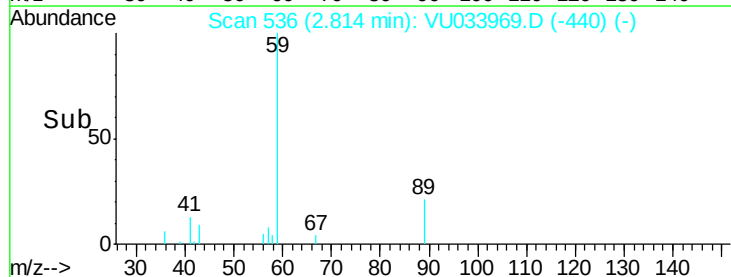
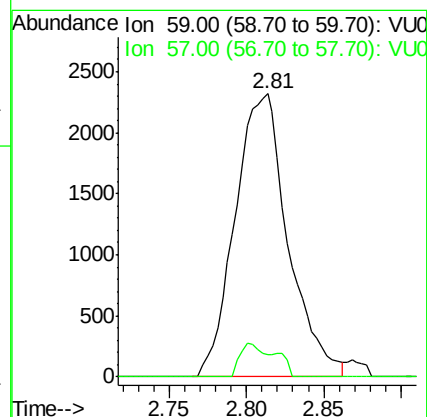
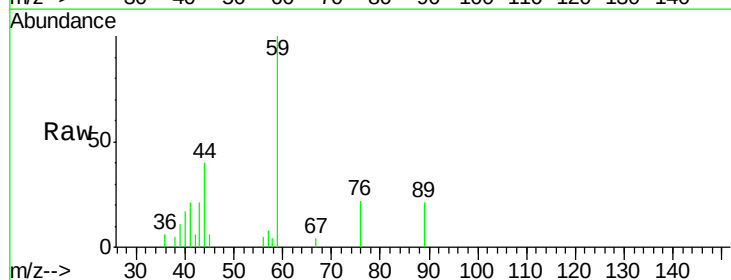
Acq: 27 Aug 2019 00:36

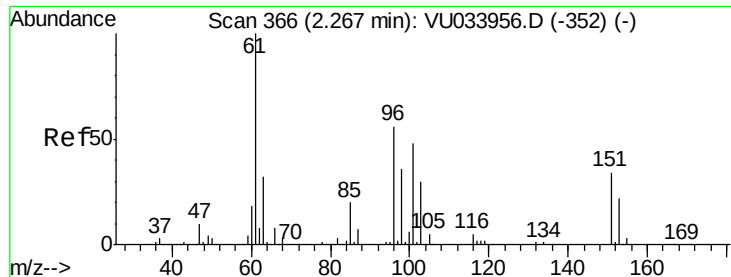
Tgt Ion: 59 Resp: 5535

Ion Ratio Lower Upper

59 100

57 7.6 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.683 ug/l

RT: 2.26 min Scan# 365

Delta R.T. -0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampled :

MW-14

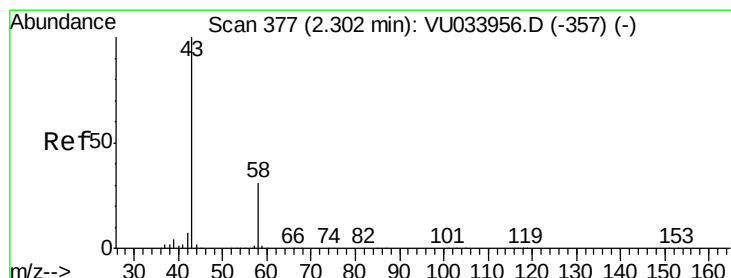
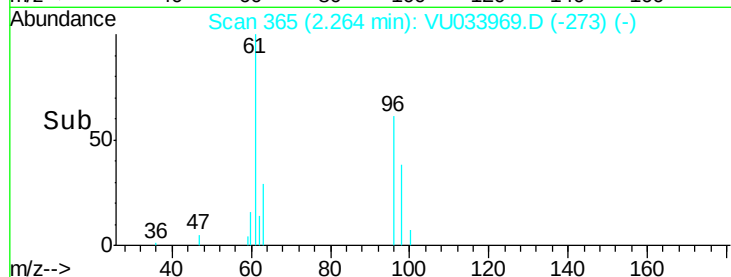
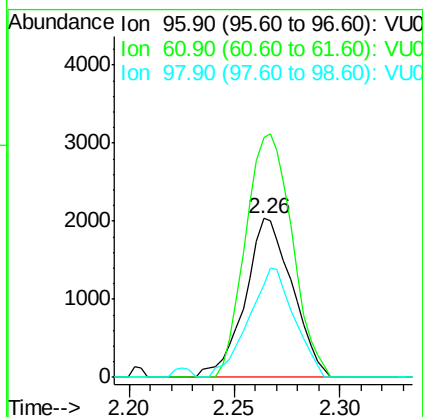
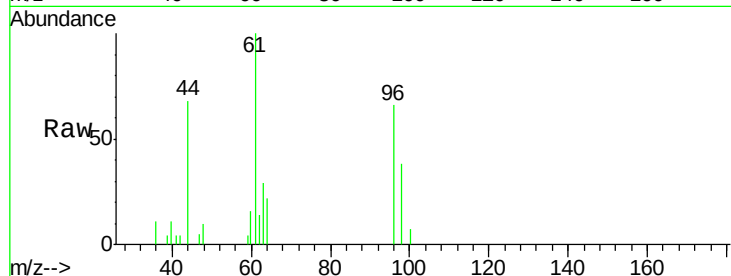
Tot Ion: 96 Resp: 3166

Ion Ratio Lower Upper

96 100

61 151.3 142.3 213.5

98 58.1 51.0 76.6



#16

Acetone

Concen: 4.164 ug/l

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033969.D

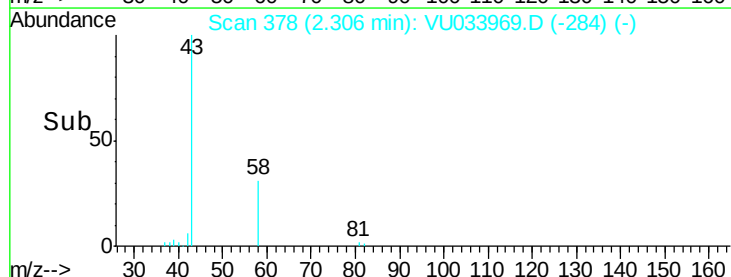
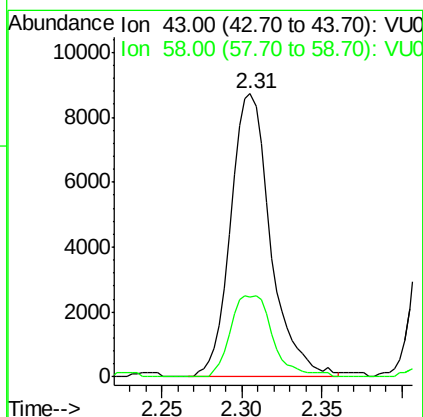
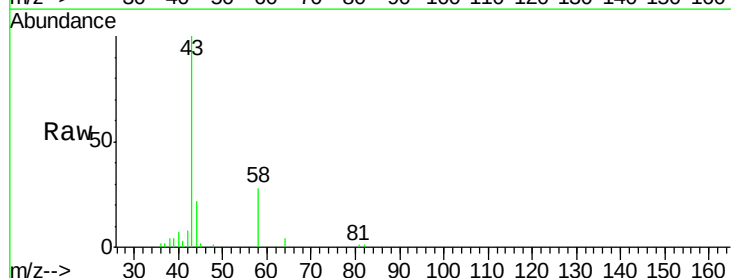
Acq: 27 Aug 2019 00:36

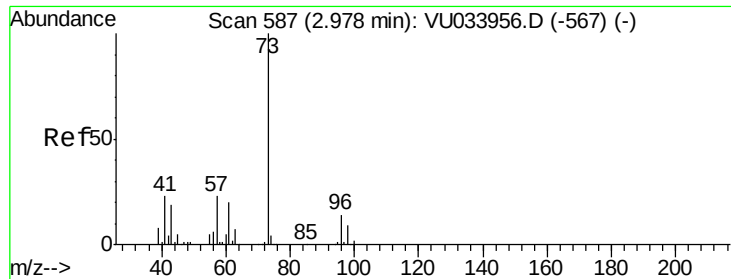
Tgt Ion: 43 Resp: 14872

Ion Ratio Lower Upper

43 100

58 28.2 24.5 36.7

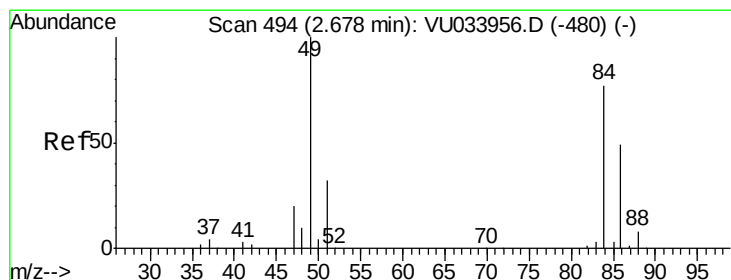
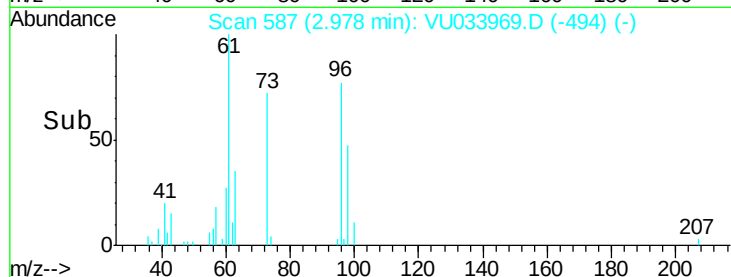
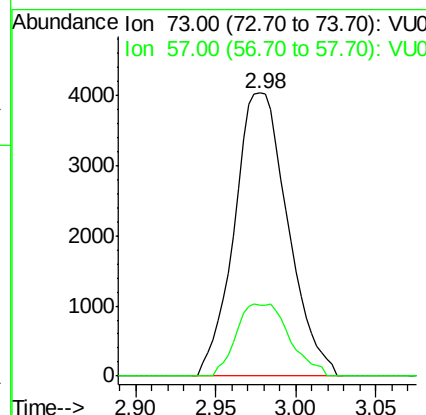
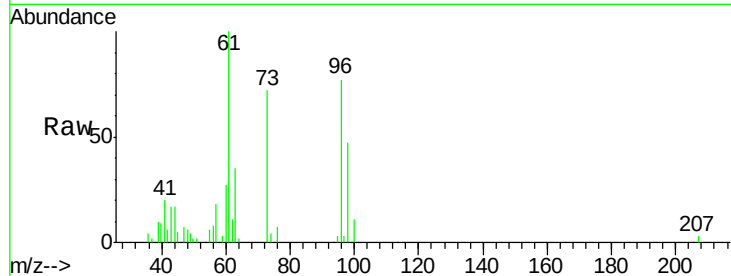




#19
Methyl tert-butyl Ether
Concen: 0.622 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033969.D
Acq: 27 Aug 2019 00:36

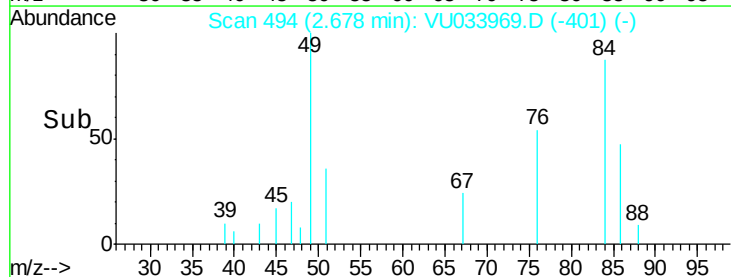
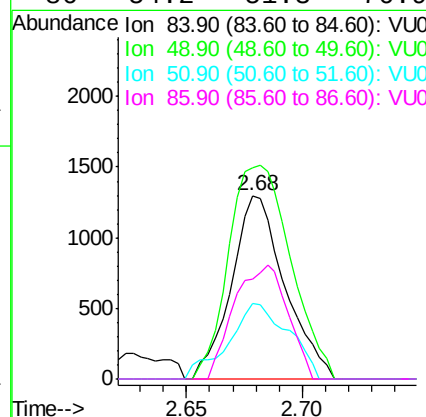
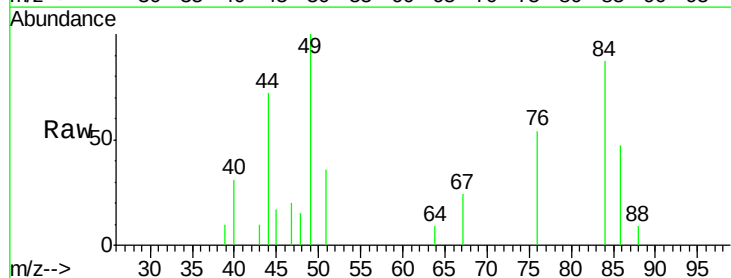
Instrument :
MSVOA_U
ClientSampleId :
MW-14

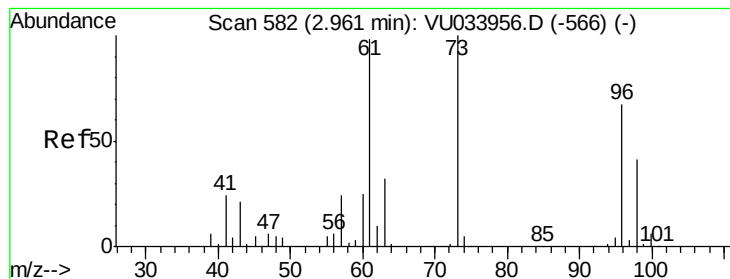
Tot Ion: 73 Resp: 9226
Ion Ratio Lower Upper
73 100
57 25.2 18.3 27.5



#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 2.68 min Scan# 494
Delta R.T. 0.00 min
Lab File: VU033969.D
Acq: 27 Aug 2019 00:36

Tgt Ion: 84 Resp: 2076
Ion Ratio Lower Upper
84 100
49 115.3 104.1 156.1
51 41.5 33.0 49.6
86 54.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 2.949 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

MW-14

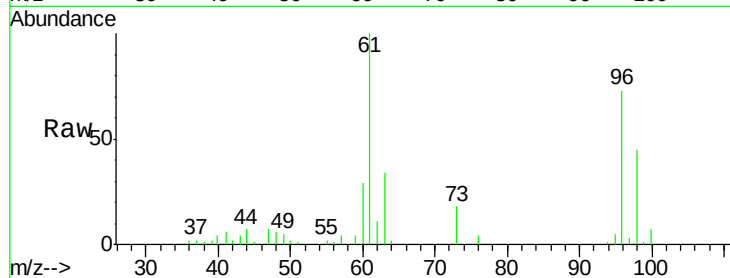
Tot Ion: 96 Resp: 15071

Ion Ratio Lower Upper

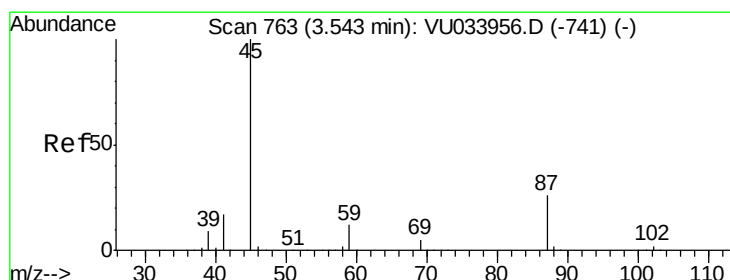
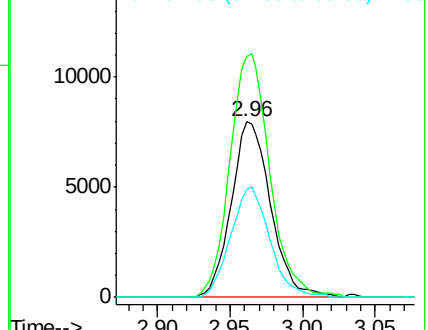
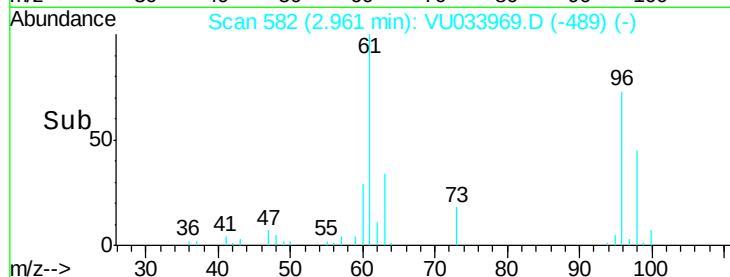
96 100

61 137.8 117.8 176.8

98 61.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU033969.D (-489) (-)



#22

Diisopropyl ether

Concen: 1.531 ug/l

RT: 3.54 min Scan# 763

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Tgt Ion: 45 Resp: 24653

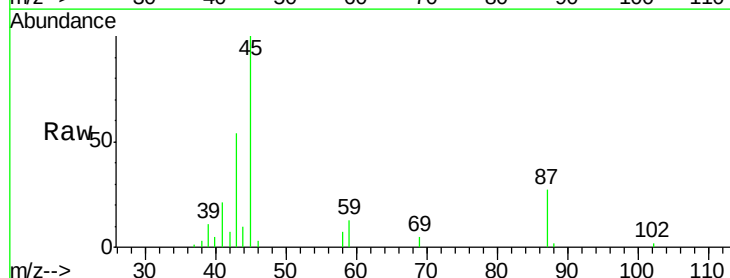
Ion Ratio Lower Upper

45 100

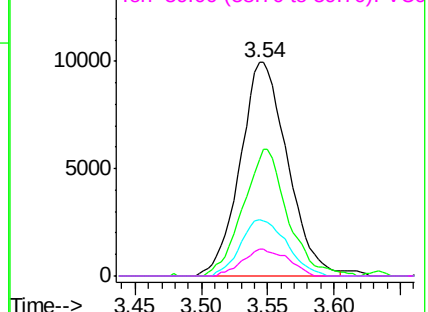
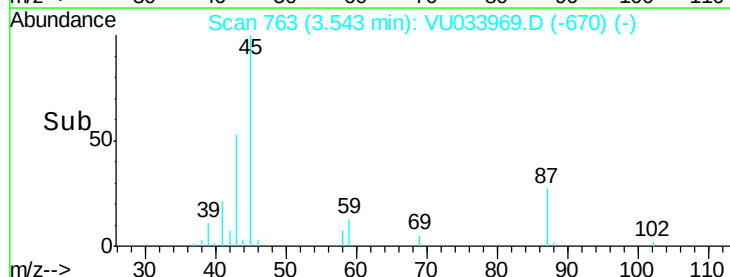
43 54.4 50.6 76.0

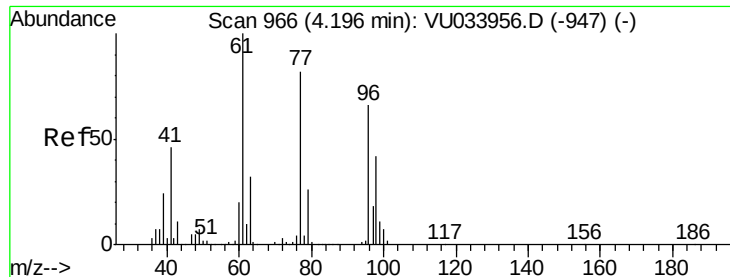
87 26.7 21.2 31.8

59 12.6 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VU033969.D (-670) (-)



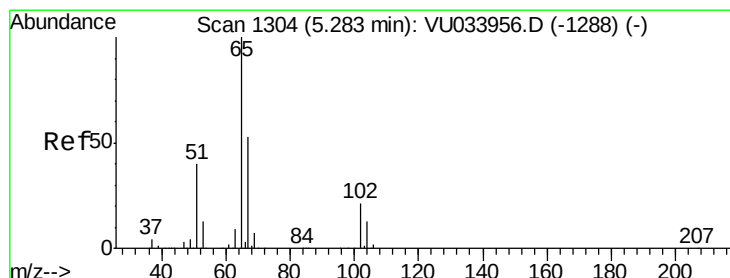
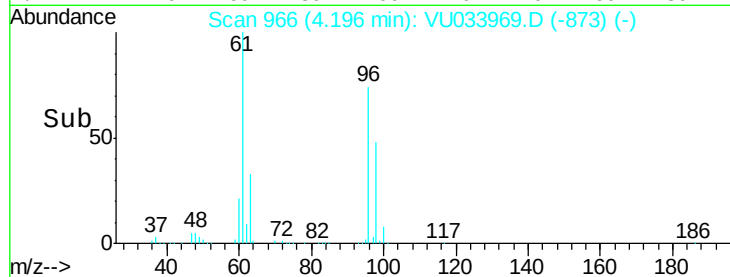
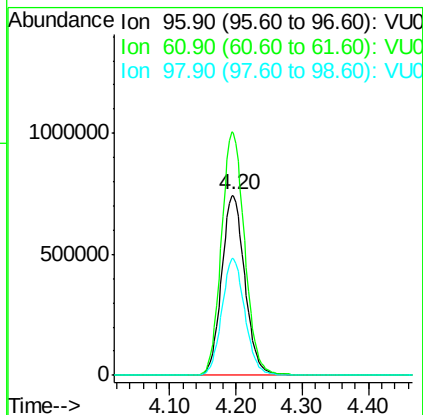
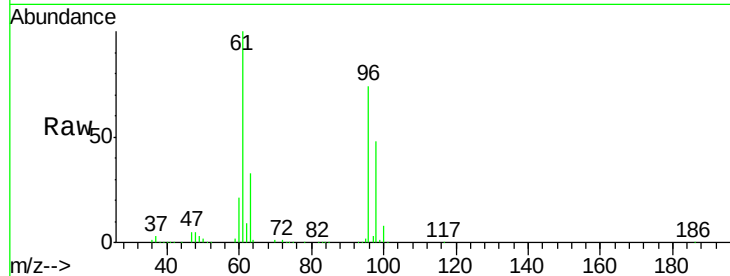


#27

cis-1,2-Dichloroethene
 Concen: 329.844 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033969.D
 Acq: 27 Aug 2019 00:36

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-14

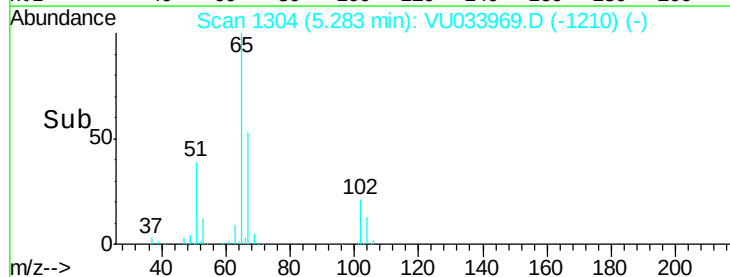
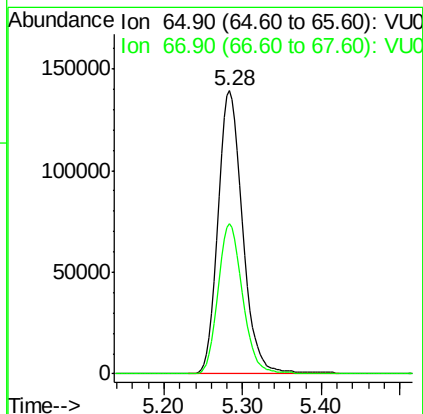
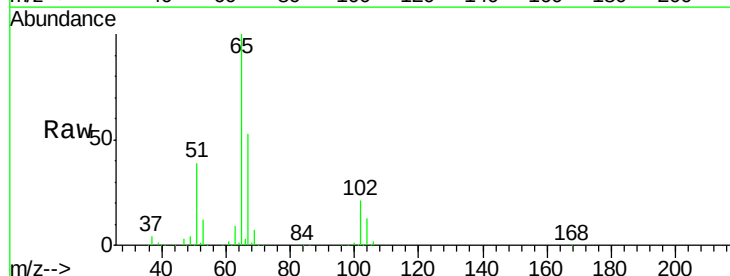
Tot Ion: 96 Resp: 1807738
 Ion Ratio Lower Upper
 96 100
 61 135.8 0.0 312.2
 98 64.7 0.0 129.4

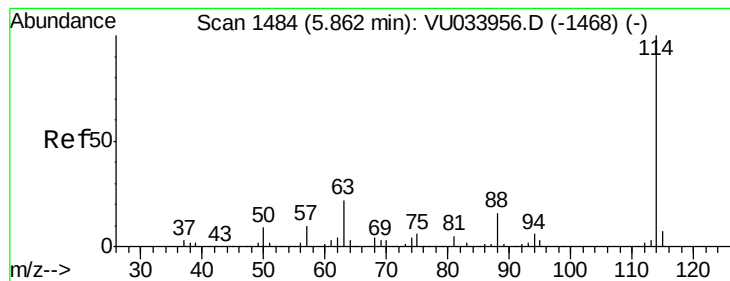


#33

1,2-Dichloroethane-d4
 Concen: 50.119 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VU033969.D
 Acq: 27 Aug 2019 00:36

Tgt Ion: 65 Resp: 300755
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

MW-14

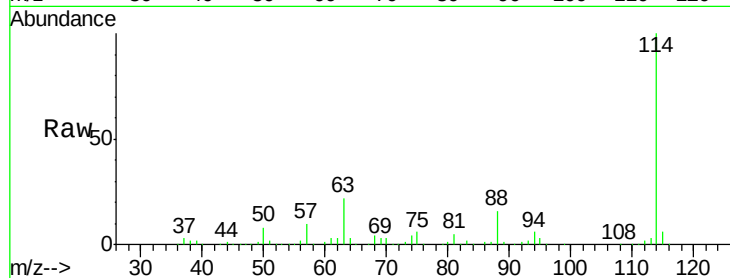
Tot Ion:114 Resp: 672804

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.2

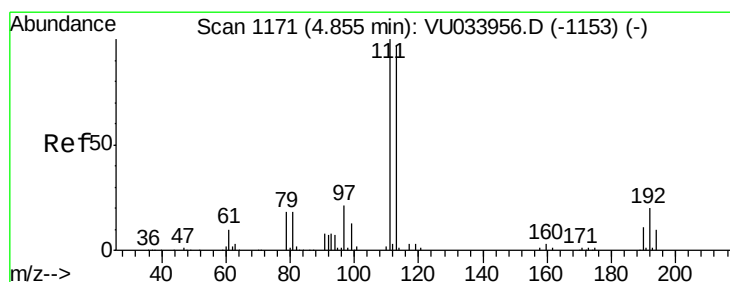
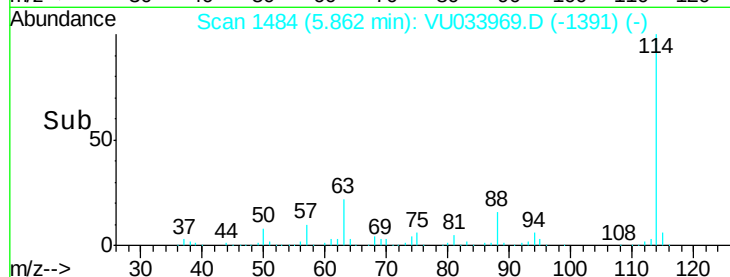
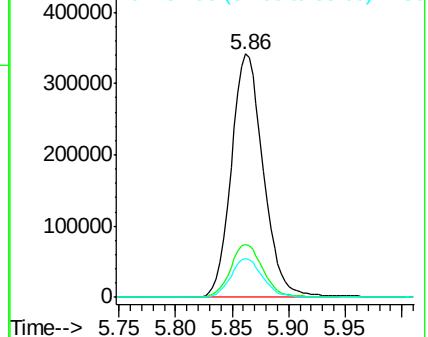
88 15.9 0.0 32.0



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: 48.340 ug/l

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

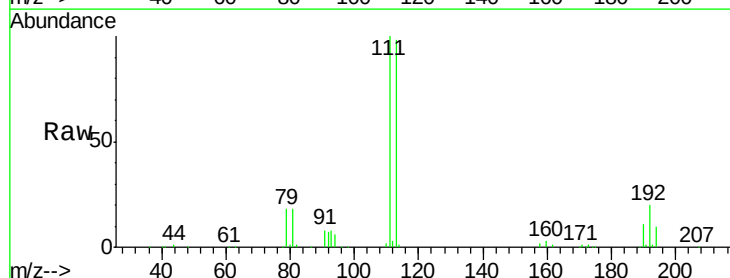
Tgt Ion:113 Resp: 226230

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

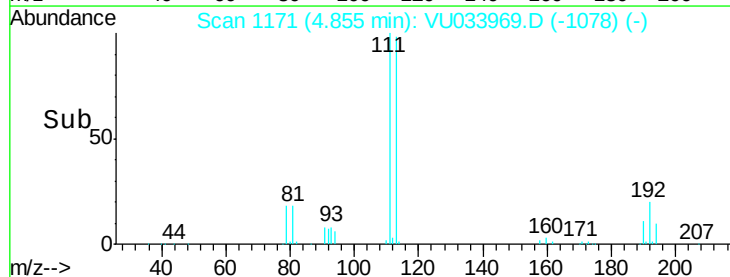
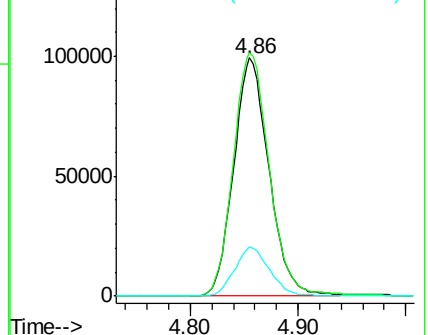
192 20.6 16.2 24.4

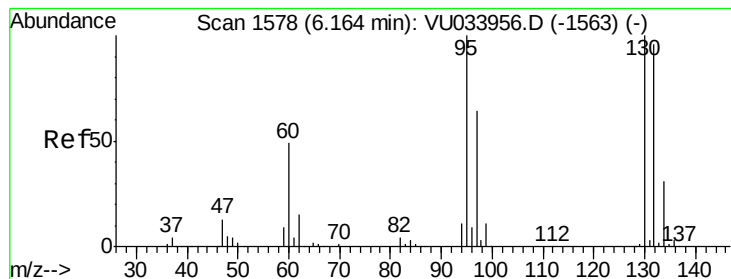


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 6.988 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampled :

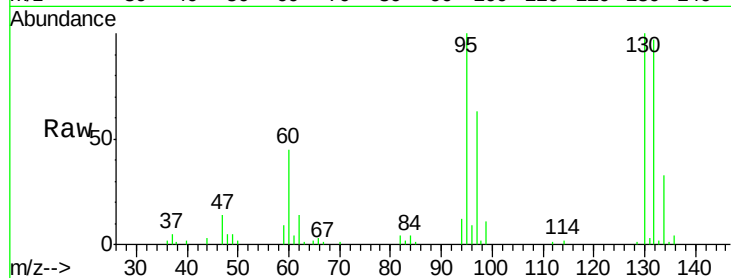
MW-14

Tot Ion:130 Resp: 37336

Ion Ratio Lower Upper

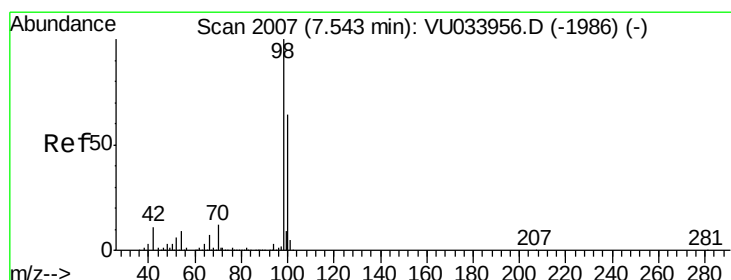
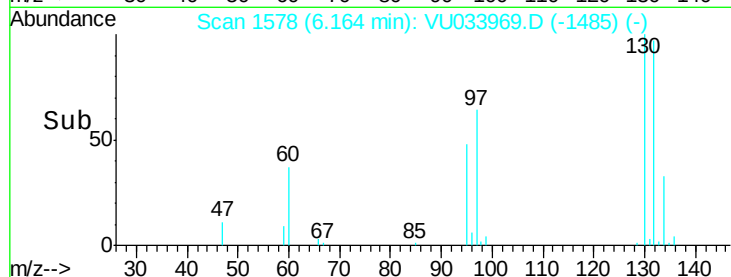
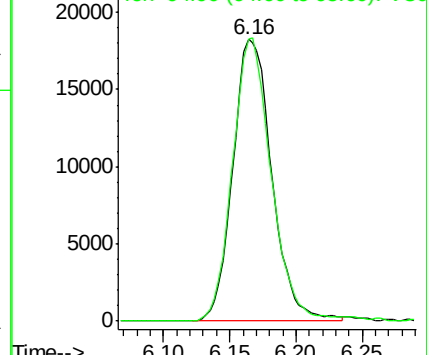
130 100

95 100.2 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 49.820 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VU033969.D

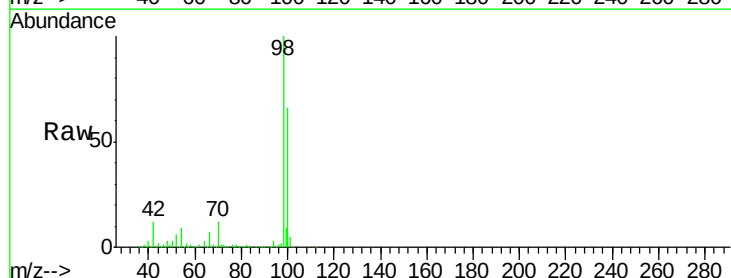
Acq: 27 Aug 2019 00:36

Tgt Ion: 98 Resp: 862450

Ion Ratio Lower Upper

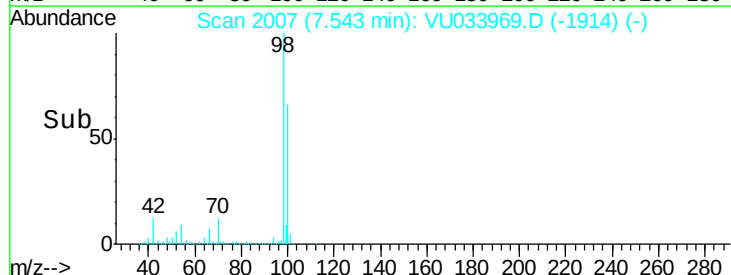
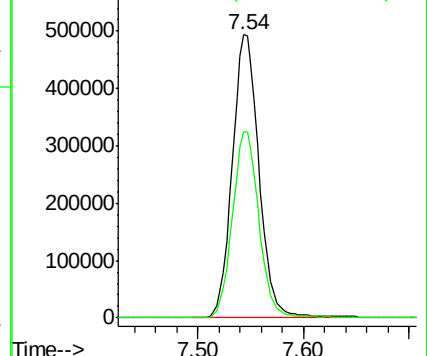
98 100

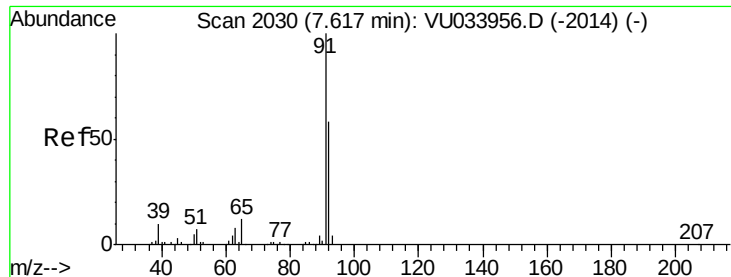
100 65.0 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 1.066 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

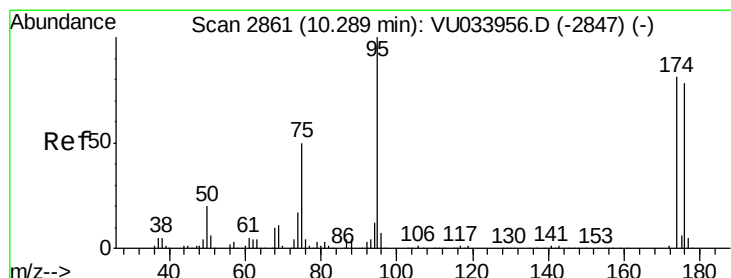
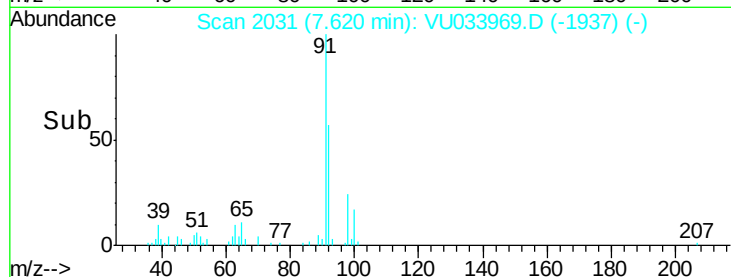
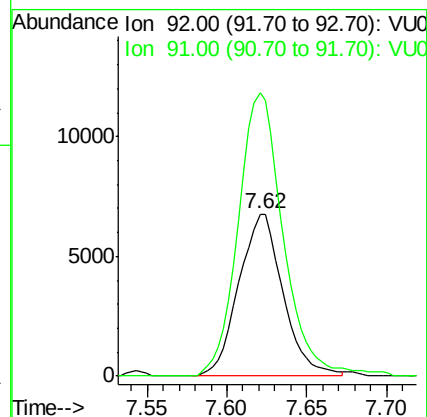
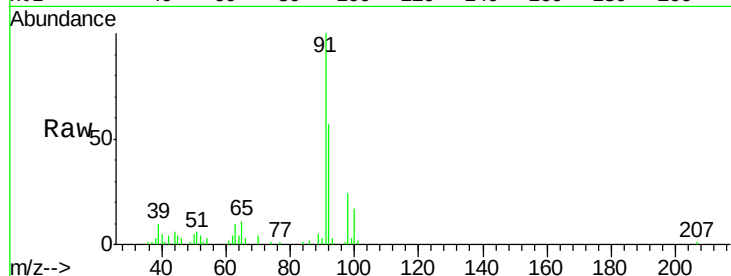
MW-14

Tot Ion: 92 Resp: 12775

Ion Ratio Lower Upper

92 100

91 178.4 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 40.271 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

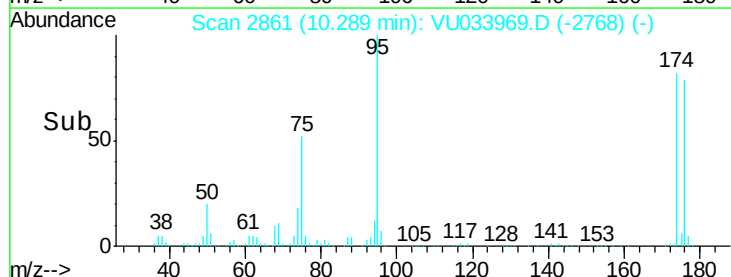
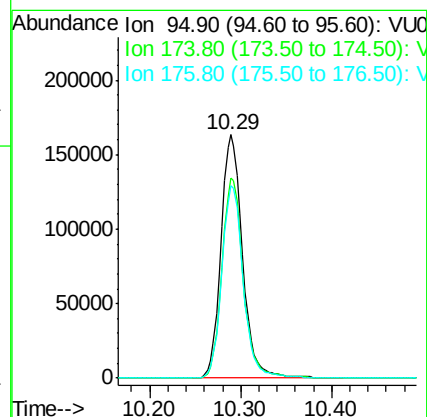
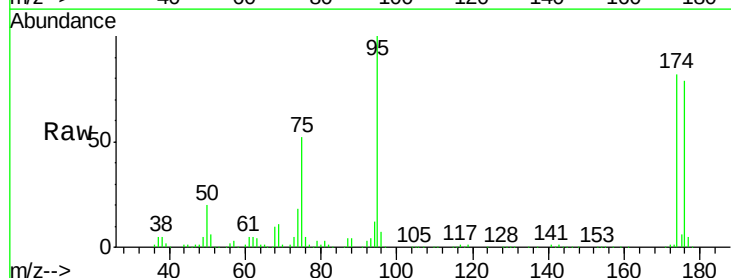
Tgt Ion: 95 Resp: 268737

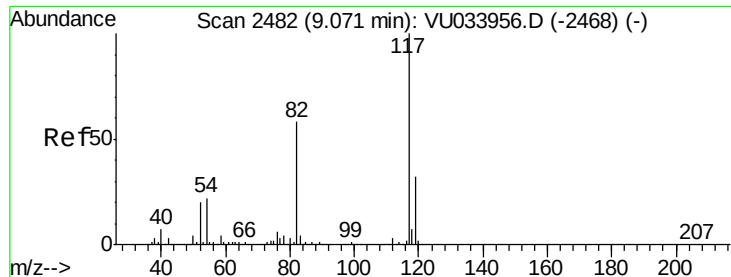
Ion Ratio Lower Upper

95 100

174 81.8 0.0 160.4

176 78.7 0.0 154.2

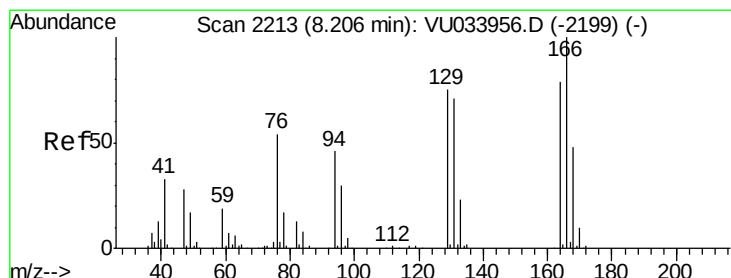
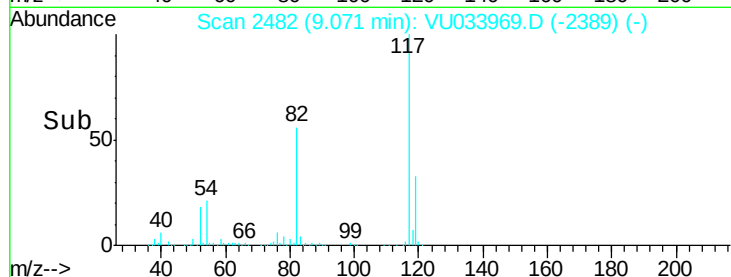
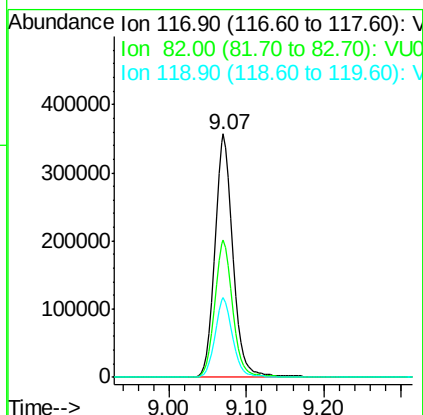
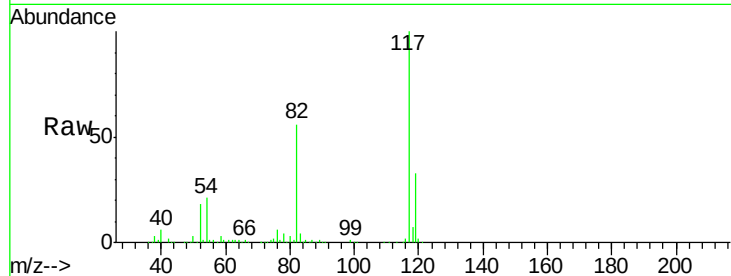




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033969.D
Acq: 27 Aug 2019 00:36

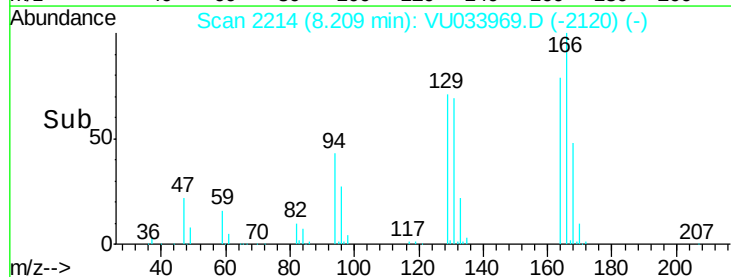
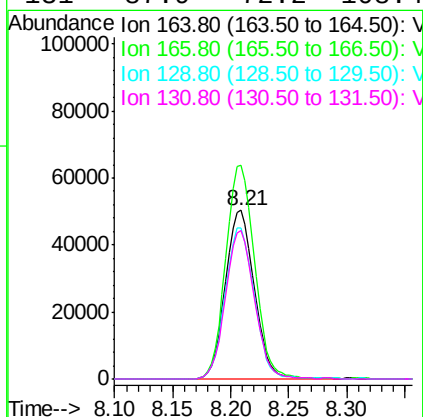
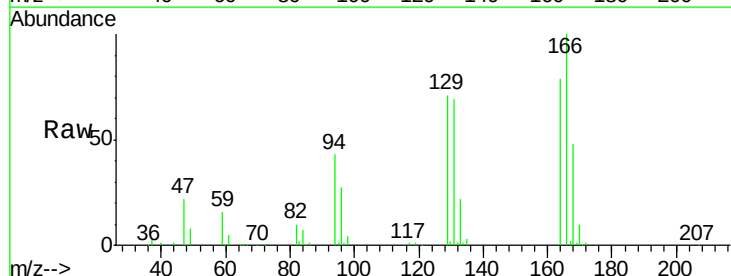
Instrument :
MSVOA_U
ClientSampleId :
MW-14

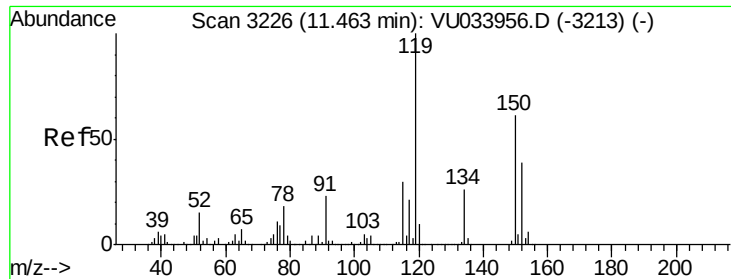
Tot Ion:117 Resp: 596344
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 20.264 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033969.D
Acq: 27 Aug 2019 00:36

Tgt Ion:164 Resp: 86644
Ion Ratio Lower Upper
164 100
166 126.8 101.4 152.2
129 89.6 76.6 114.8
131 87.9 72.2 108.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU033969.D

Acq: 27 Aug 2019 00:36

Instrument :

MSVOA_U

ClientSampleId :

MW-14

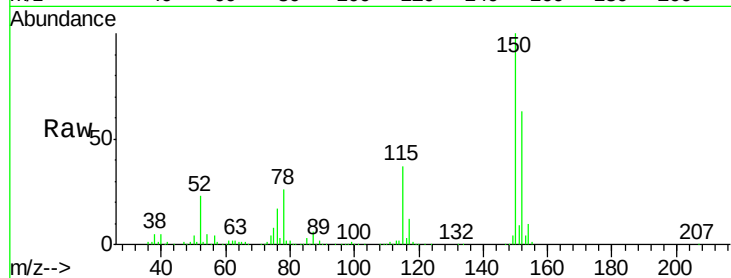
Tot Ion:152 Resp: 263033

Ion Ratio Lower Upper

152 100

115 58.1 40.3 120.9

150 157.7 0.0 346.0



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

