

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029161.D
 Acq On : 14 Jan 2019 13:24
 Operator : JC/SP
 Sample : K1136-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	194338	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72636	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	74264	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
35) Dibromofluoromethane	4.88	113	65230	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	7.56	98	246585	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	10.30	95	77542	43.38	ug/l	0.00
Spiked Amount			Recovery	=	86.76%	

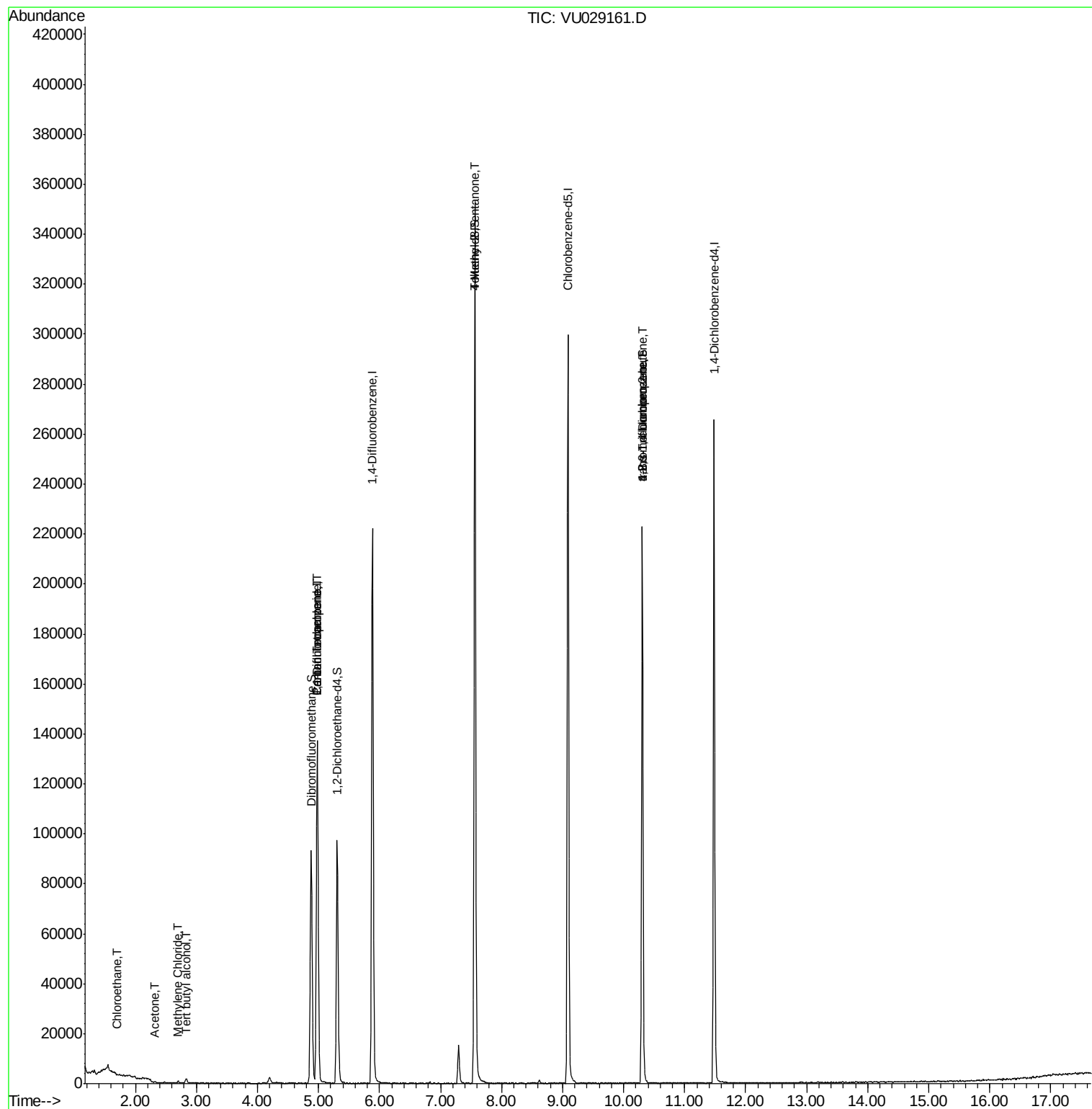
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	946	Below Cal		90
6) Chloroethane	1.71	64	411	0.423 ug/l #		43
11) Tert butyl alcohol	2.83	59	2100	5.990 ug/l #		73
16) Acetone	2.32	43	407	0.468 ug/l #		39
17) Carbon Disulfide	2.48	76	340	Below Cal #		75
20) Methylene Chloride	2.70	84	437	0.296 ug/l #		87
31) Cyclohexane	4.98	56	1811	Below Cal #		1
36) 1,1-Dichloropropene	4.98	75	7734	3.981 ug/l #		48
38) Carbon Tetrachloride	4.98	117	9993	6.168 ug/l #		17
51) 4-Methyl-2-Pentanone	7.56	43	945	0.425 ug/l #		1
76) 1,2,3-Trichloropropane	10.30	75	36381	20.442 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.30	75	36381	52.722 ug/l #		100

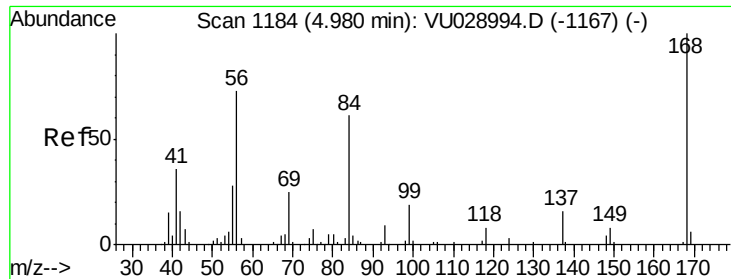
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

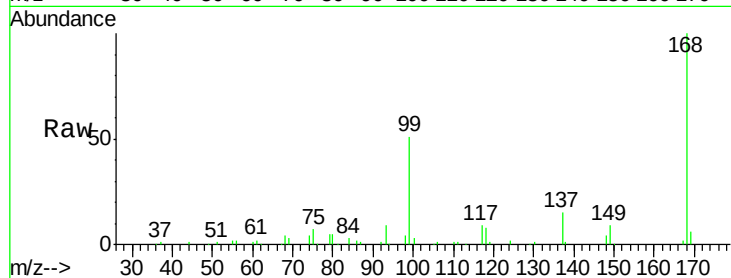
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 111572

Ion Ratio Lower Upper

168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

50000

40000

30000

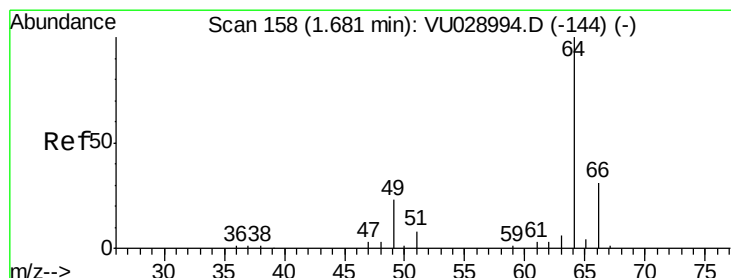
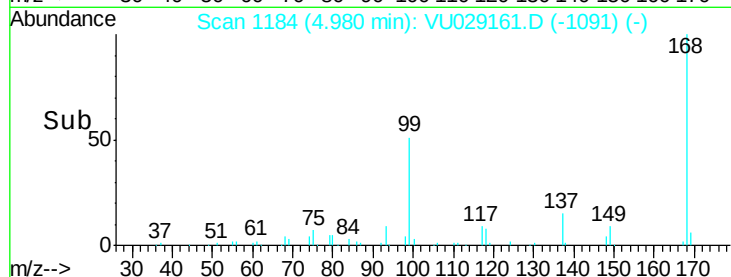
20000

10000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.423 ug/l

RT: 1.71 min Scan# 166

Delta R.T. 0.03 min

Lab File: VU029161.D

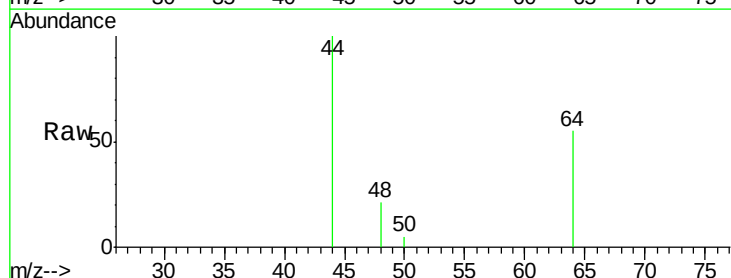
Acq: 14 Jan 2019 13:24

Tgt Ion: 64 Resp: 411

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VU028994.D (-144) (-)

Ion 65.90 (65.60 to 66.60): VU028994.D (-144) (-)

1.71

1200

1000

800

600

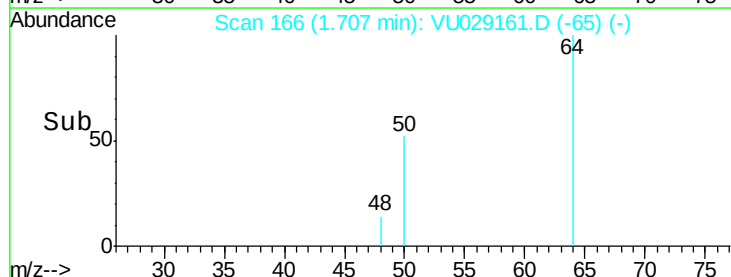
400

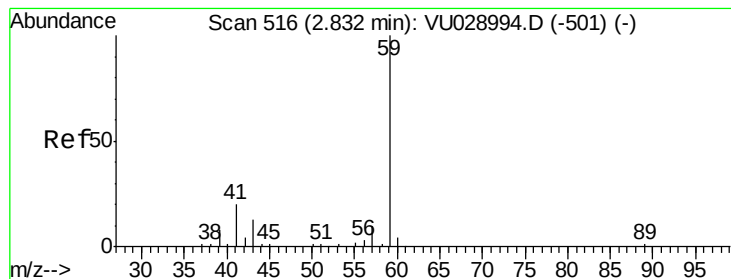
200

0

1.68 1.70 1.72

Time-->



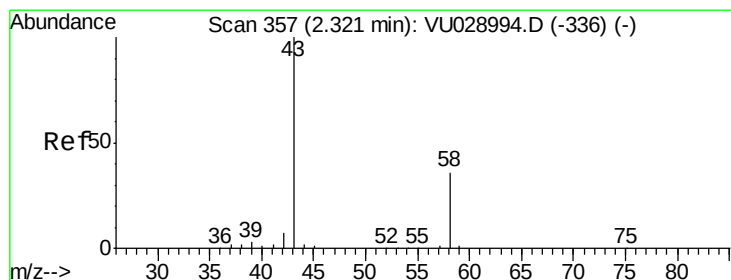
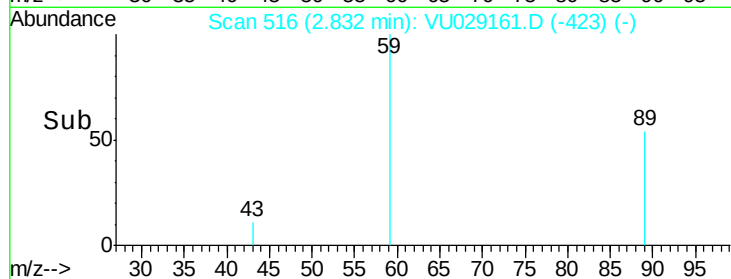
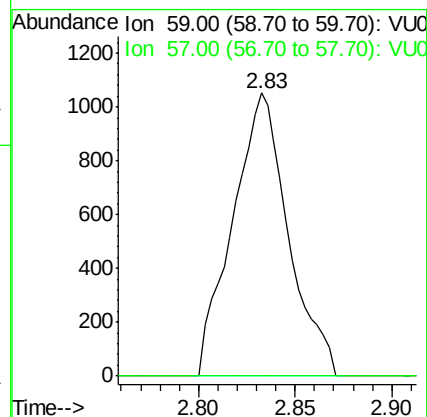
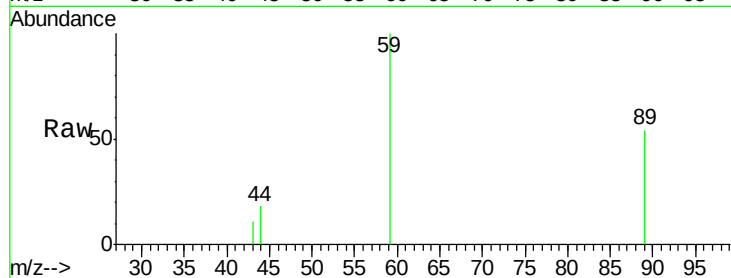


#11

Tert butyl alcohol
 Concen: 5.990 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VU029161.D
 Acq: 14 Jan 2019 13:24

Instrument :
 MSVOA_U
 ClientSampled :

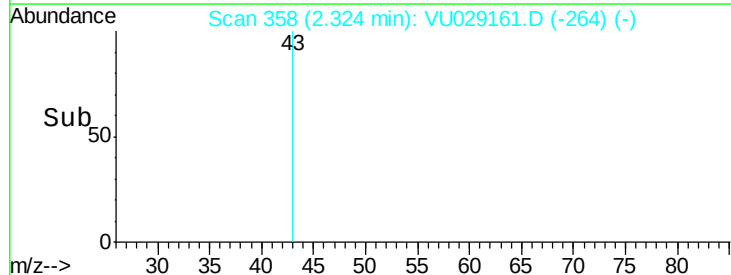
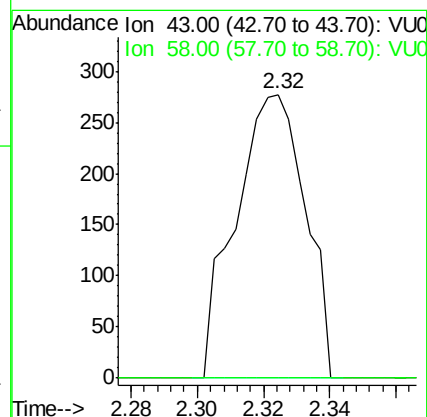
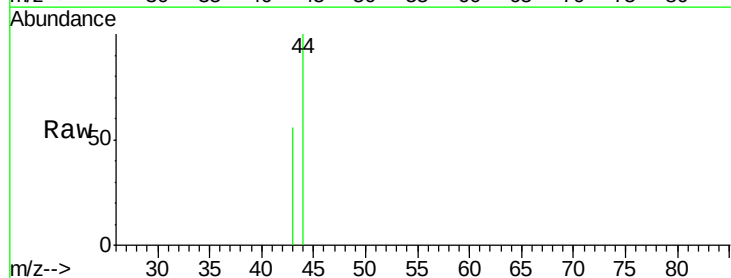
Tot Ion: 59 Resp: 2100
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

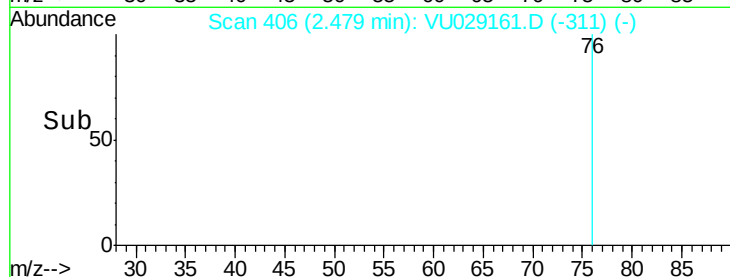
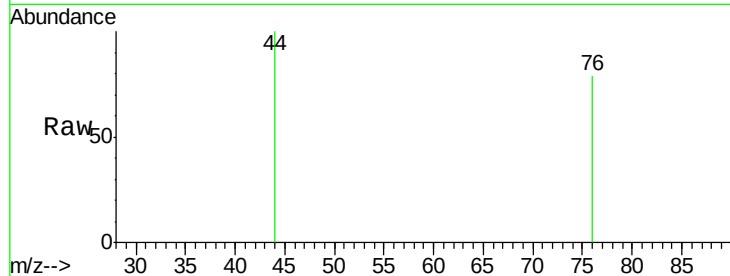
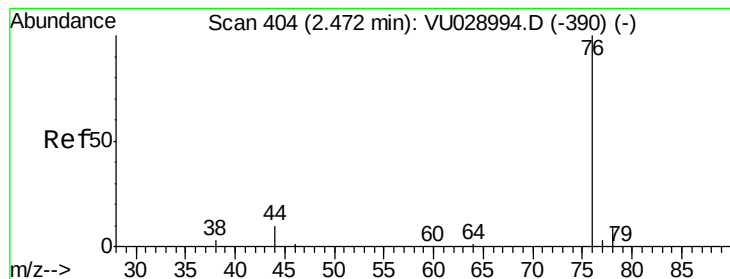


#16

Acetone
 Concen: 0.468 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU029161.D
 Acq: 14 Jan 2019 13:24

Tgt Ion: 43 Resp: 407
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029161.D

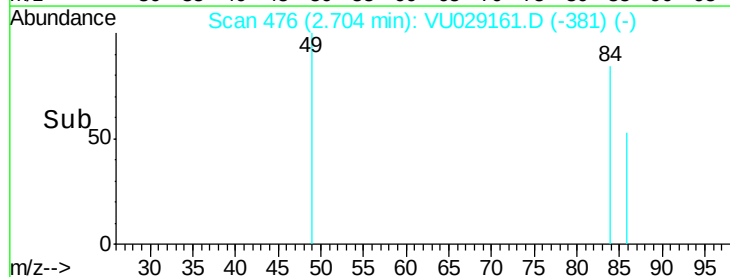
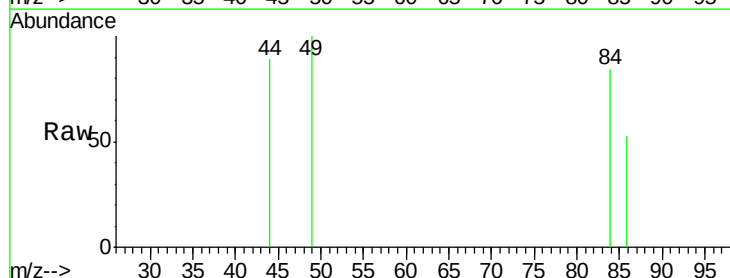
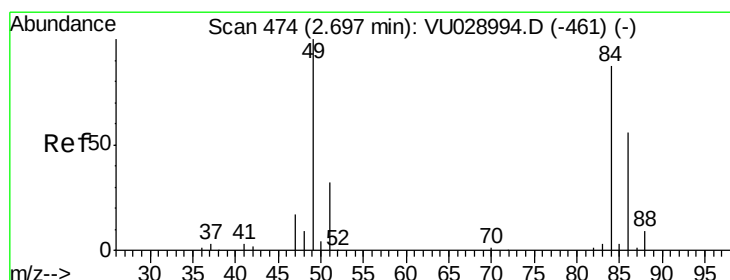
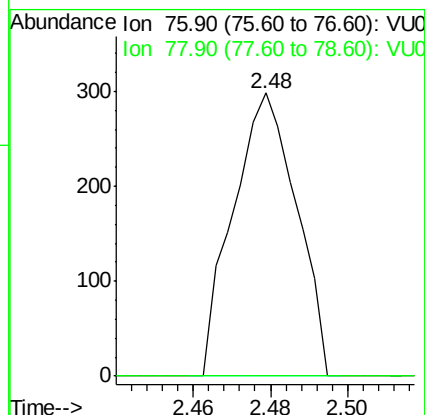
Acq: 14 Jan 2019 13:24

Tot Ion: 76 Resp: 340

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.296 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

Tgt Ion: 84 Resp: 437

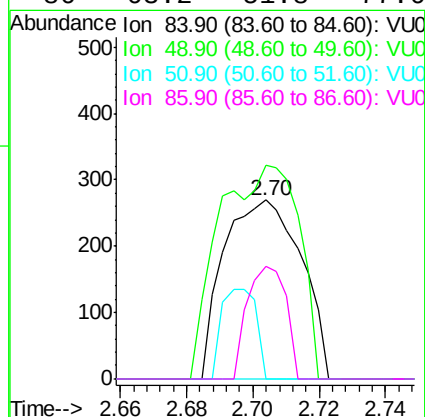
Ion Ratio Lower Upper

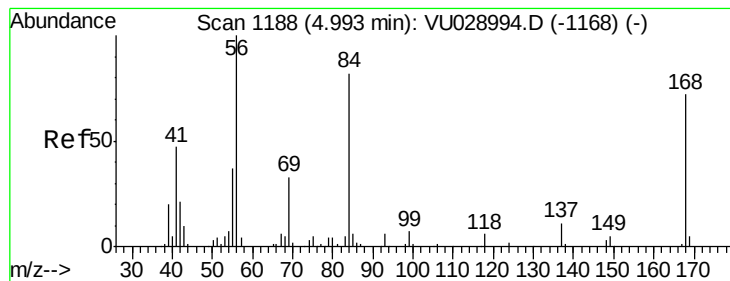
84 100

49 119.7 91.9 137.9

51 0.0 29.2 43.8#

86 63.2 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

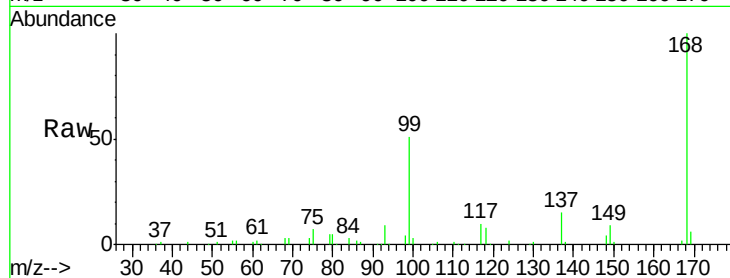
Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

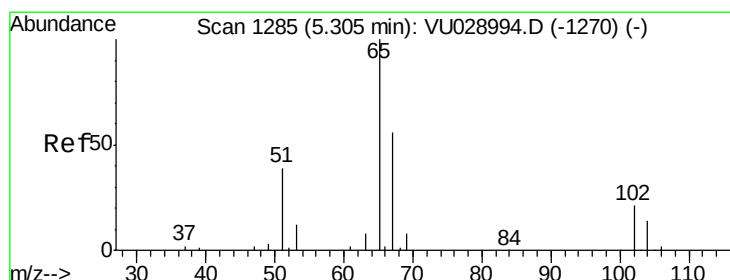
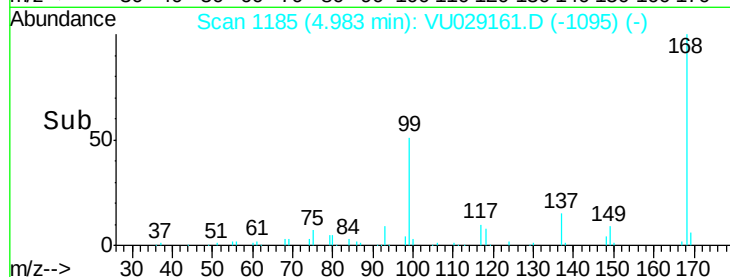
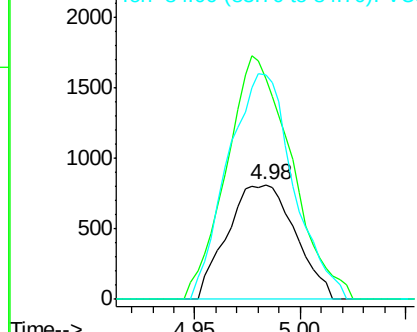
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 1811

Ion	Ratio	Lower	Upper
56	100		
69	178.0	26.7	40.1#
84	195.0	65.7	98.5#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 53.844 ug/l

RT: 5.31 min Scan# 1286

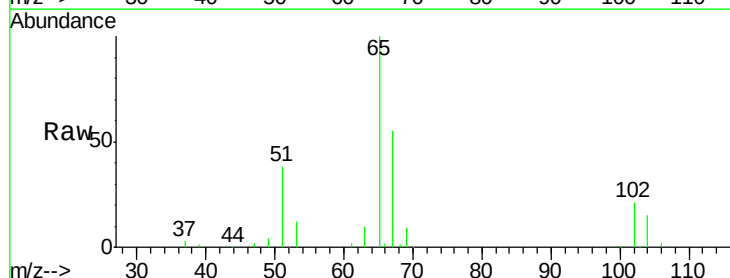
Delta R.T. 0.00 min

Lab File: VU029161.D

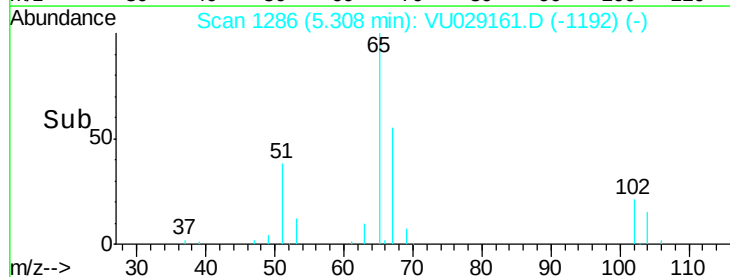
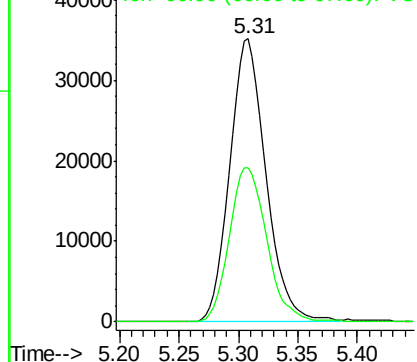
Acq: 14 Jan 2019 13:24

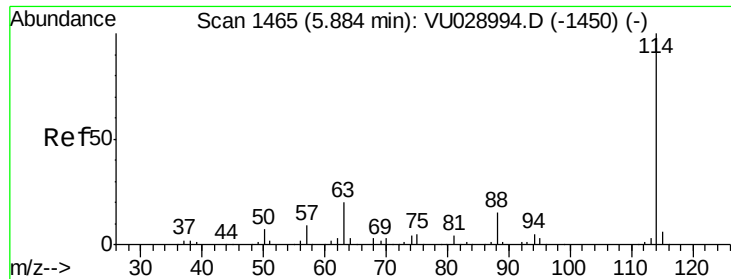
Tgt Ion: 65 Resp: 74264

Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

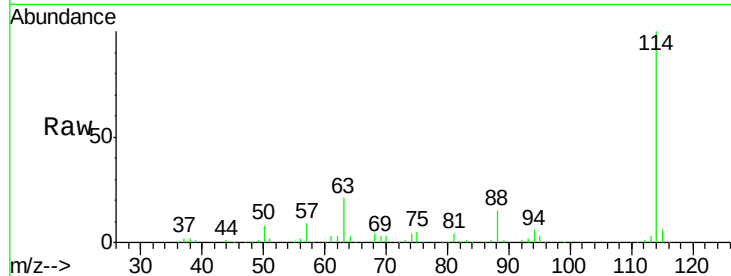
Delta R.T. -0.00 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

Instrument :
MSVOA_U
ClientSampleId :

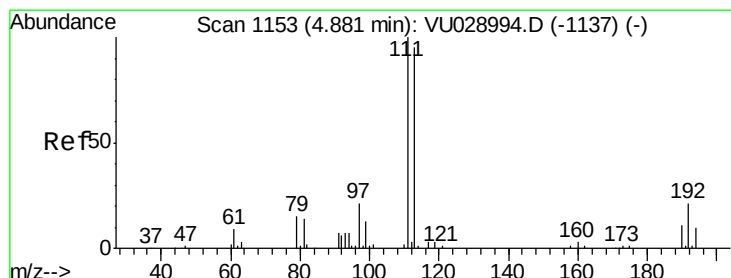
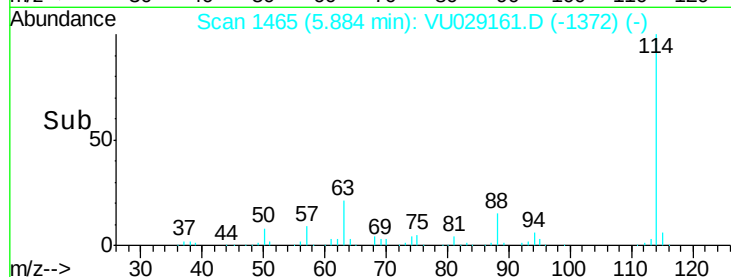
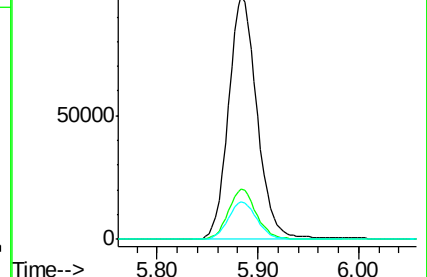
Tot Ion:114	Resp:	194338
Ion Ratio	Lower	Upper
114 100		
63 20.5	0.0	40.2
88 15.5	0.0	30.4



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: 51.780 ug/l

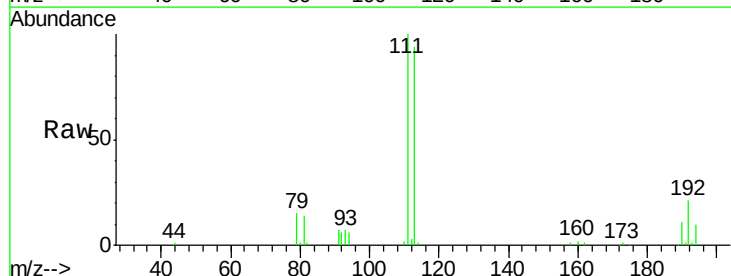
RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

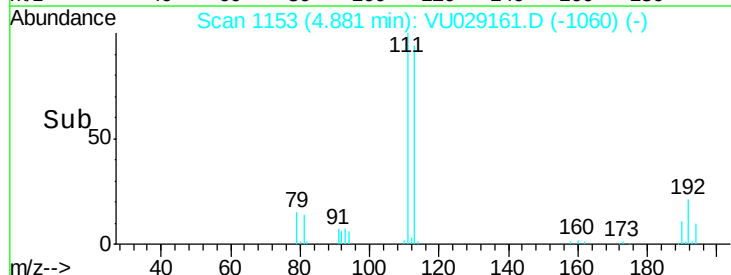
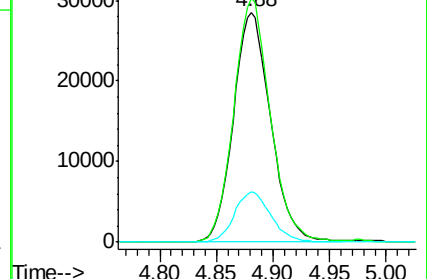
Tgt Ion:113	Resp:	65230
Ion Ratio	Lower	Upper
113 100		
111 104.0	81.4	122.2
192 21.3	16.8	25.2

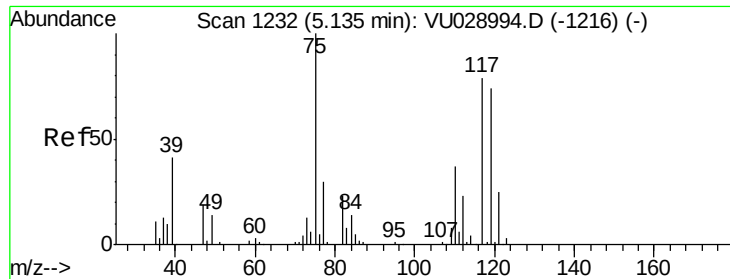


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

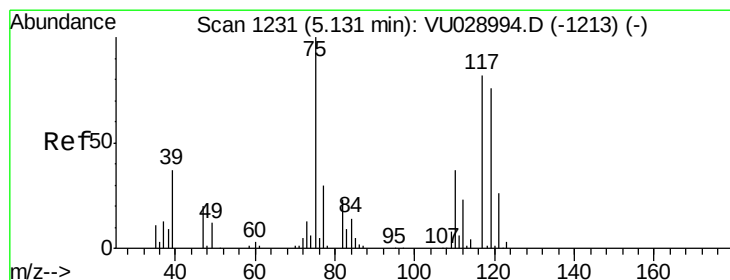
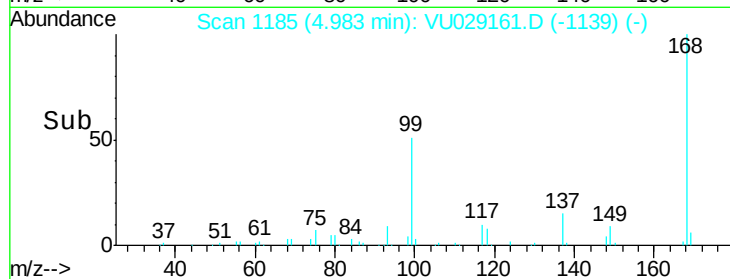
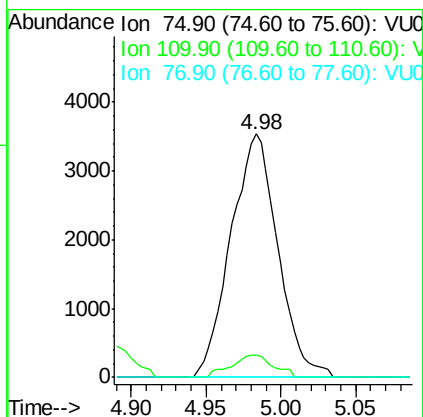
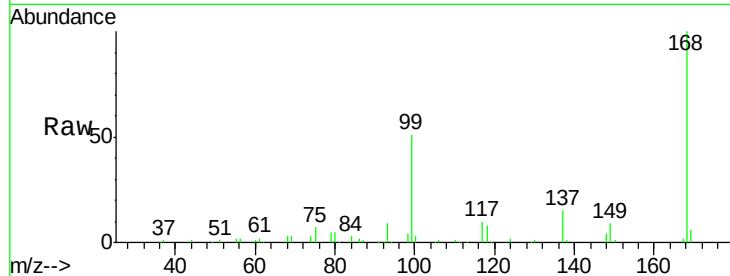




#36
 1,1-Dichloropropene
 Concen: 3.981 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029161.D
 Acq: 14 Jan 2019 13:24

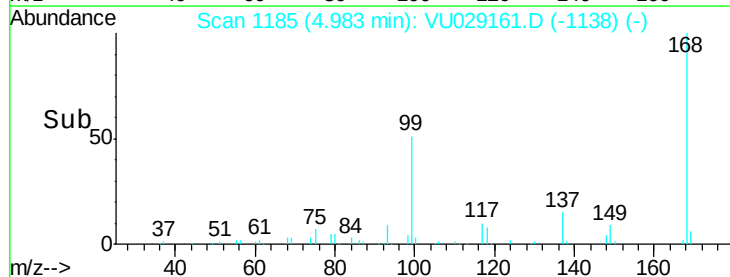
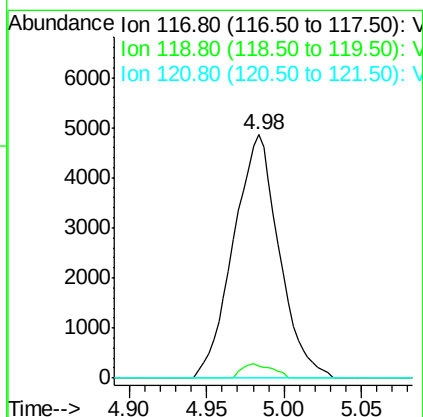
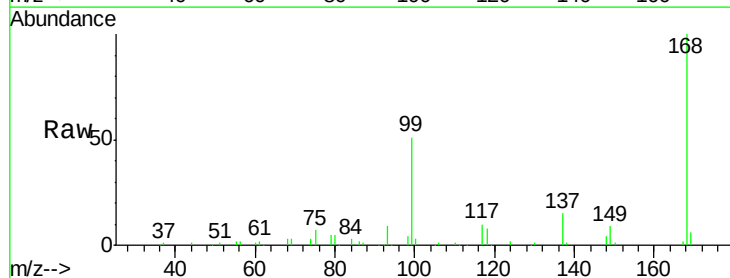
Instrument :
 MSVOA_U
 ClientSampleId :

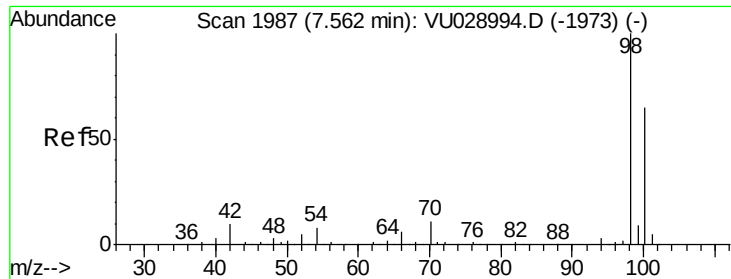
Tot Ion: 75 Resp: 7734
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.168 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU029161.D
 Acq: 14 Jan 2019 13:24

Tgt Ion: 117 Resp: 9993
 Ion Ratio Lower Upper
 117 100
 119 5.1 74.6 111.8#
 121 0.0 25.0 37.6#

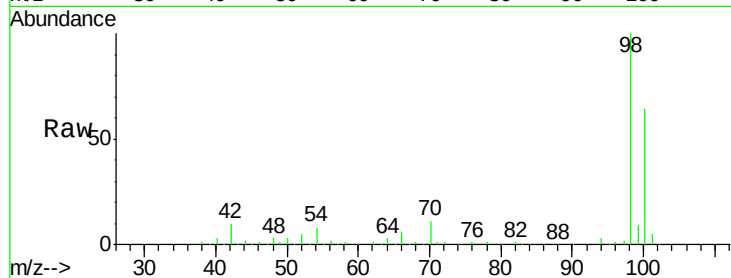




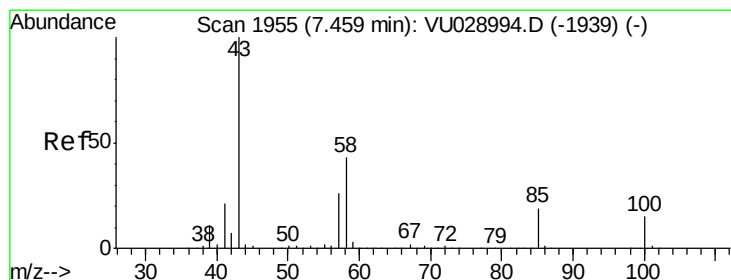
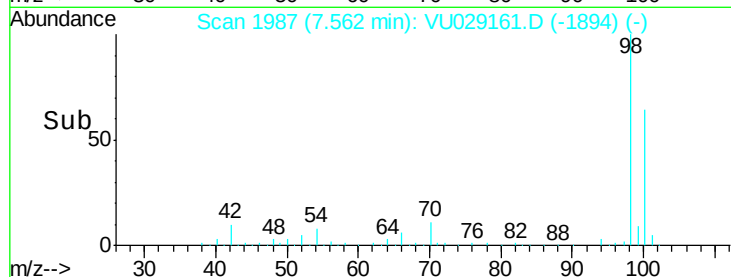
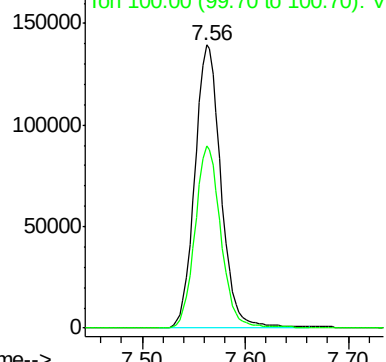
#50
Toluene-d8
Concen: 49.581 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029161.D
Acq: 14 Jan 2019 13:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 98 Resp: 246585
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

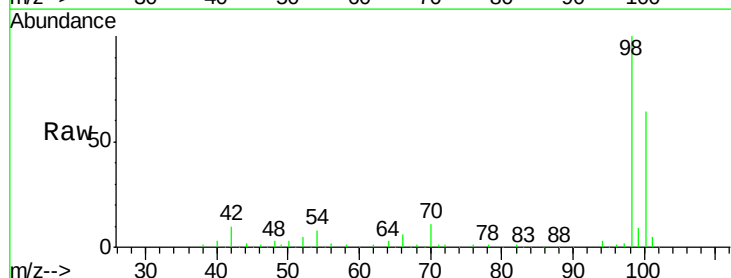


Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

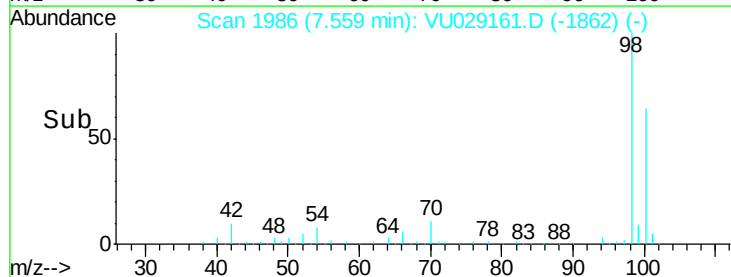
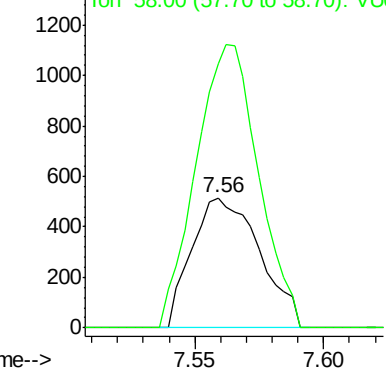


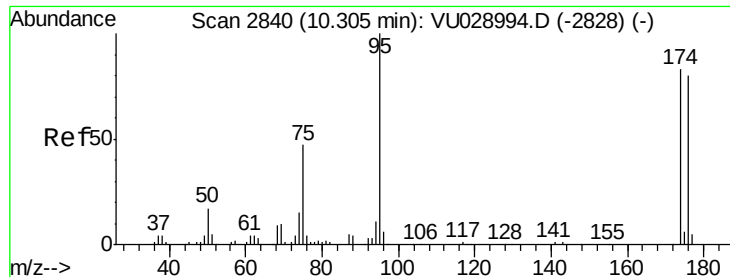
#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 7.56 min Scan# 1986
Delta R.T. 0.10 min
Lab File: VU029161.D
Acq: 14 Jan 2019 13:24

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 200.3 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)
Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)

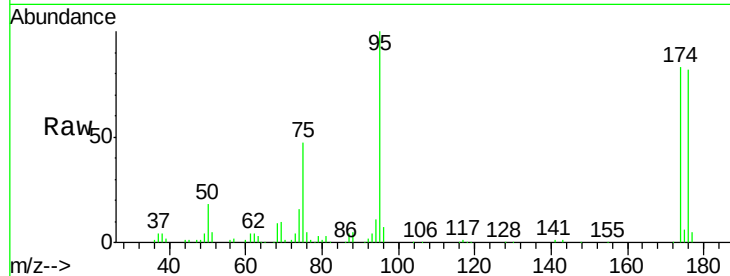




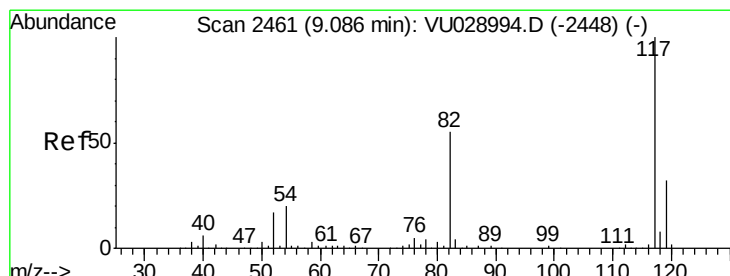
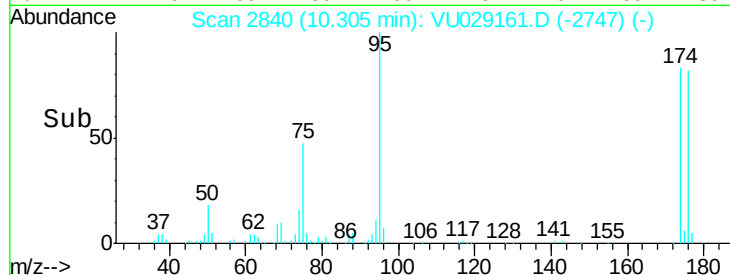
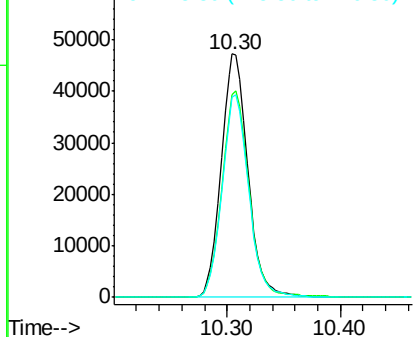
#62
4-Bromofluorobenzene
Concen: 43.384 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029161.D
Acq: 14 Jan 2019 13:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 77542
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.6
176 82.9 0.0 165.0

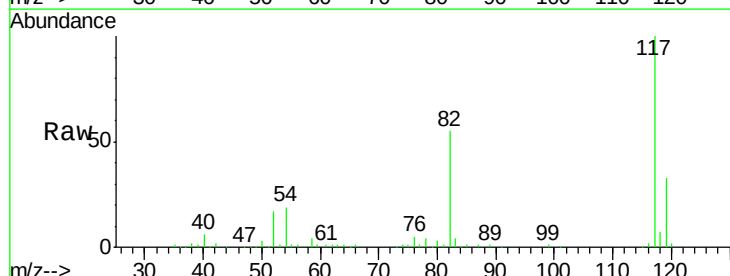


Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)
Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)
Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

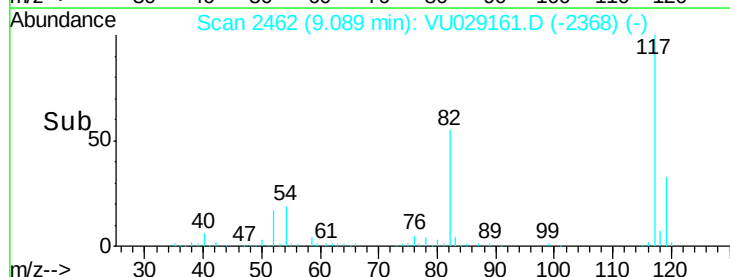
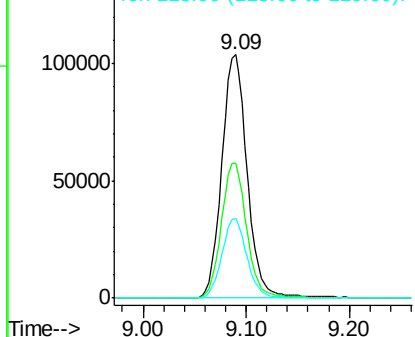


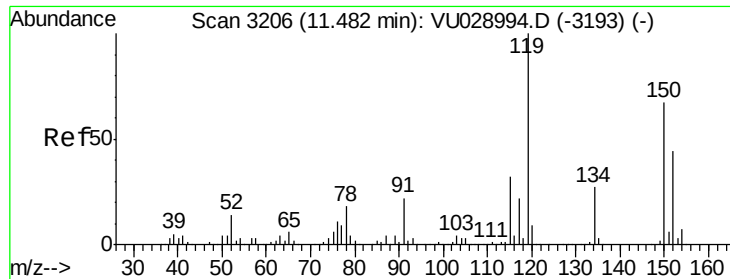
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029161.D
Acq: 14 Jan 2019 13:24

Tgt Ion: 117 Resp: 178082
Ion Ratio Lower Upper
117 100
82 55.2 43.9 65.9
119 32.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VU028994.D (-2448) (-)
Ion 82.00 (81.70 to 82.70): VU028994.D (-2448) (-)
Ion 118.90 (118.60 to 119.60): VU028994.D (-2448) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

Instrument :

MSVOA_U

ClientSampled :

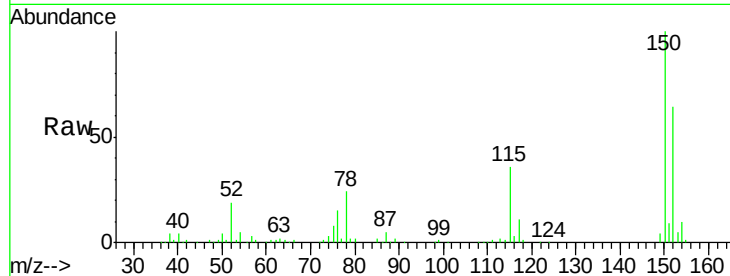
Tot Ion:152 Resp: 72636

Ion Ratio Lower Upper

152 100

115 57.0 40.1 120.3

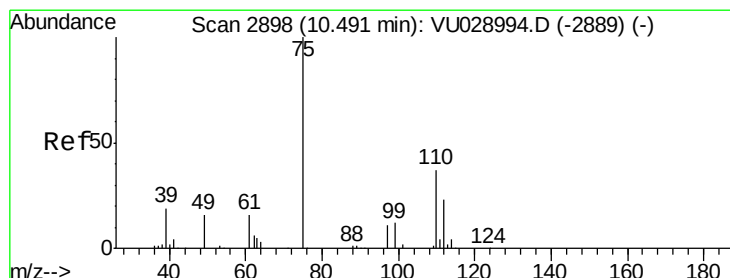
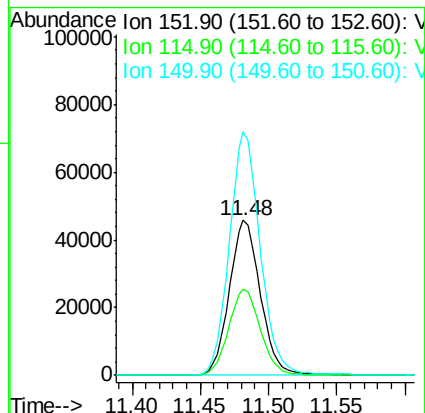
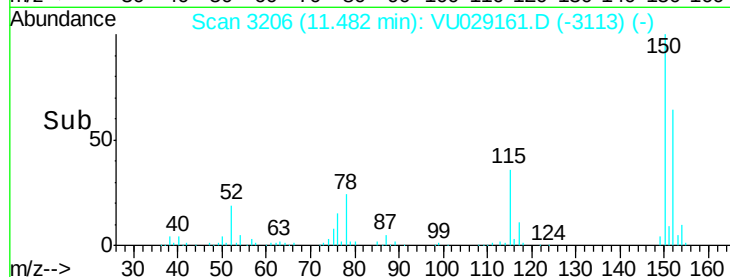
150 156.0 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.442 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029161.D

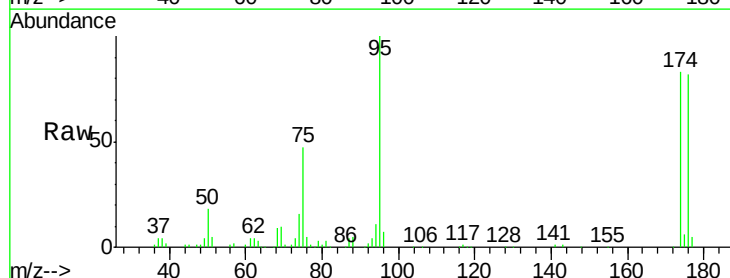
Acq: 14 Jan 2019 13:24

Tgt Ion: 75 Resp: 36381

Ion Ratio Lower Upper

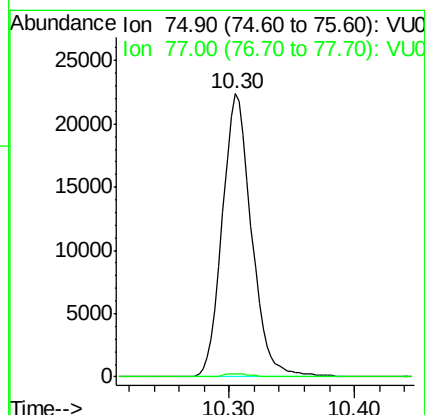
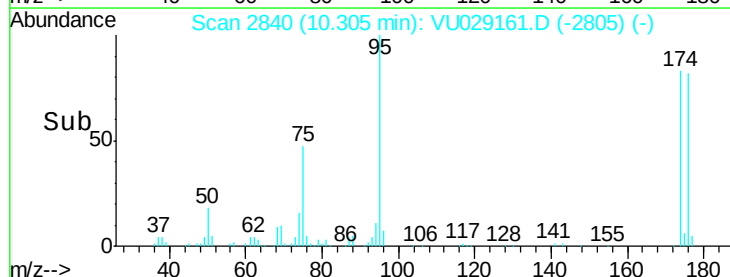
75 100

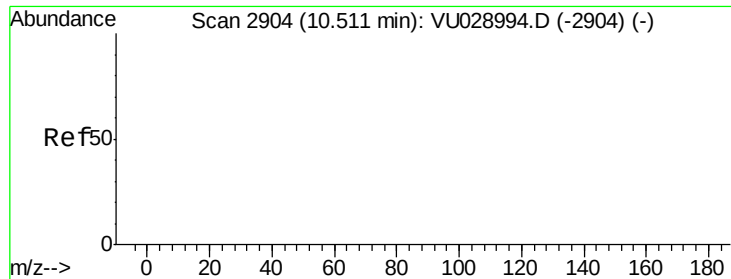
77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.722 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029161.D

Acq: 14 Jan 2019 13:24

Instrument :

MSVOA_U

ClientSampleId :

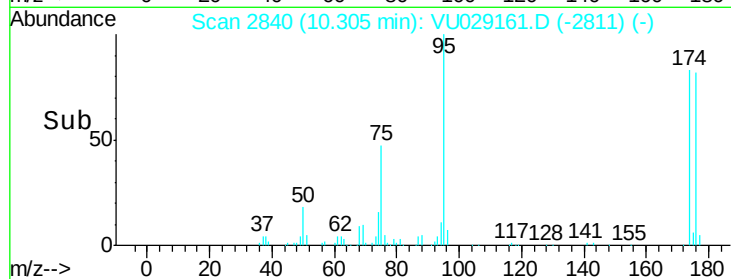
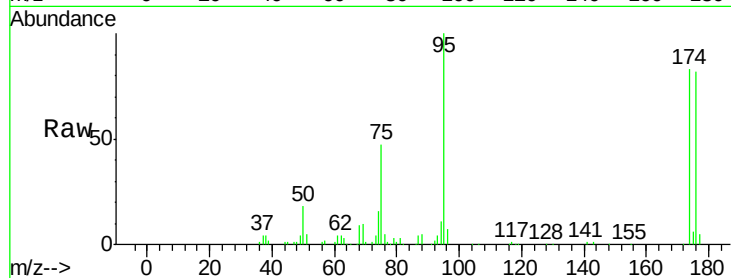
Tot Ion: 75 Resp: 36381

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

