

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029096.D
 Acq On : 09 Jan 2019 17:50
 Operator : MD/SY
 Sample : PB116248ZHE#11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:07:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	189995	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71632	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	75448	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	
35) Dibromofluoromethane	4.88	113	65314	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
50) Toluene-d8	7.56	98	249705	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	10.30	95	77332	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

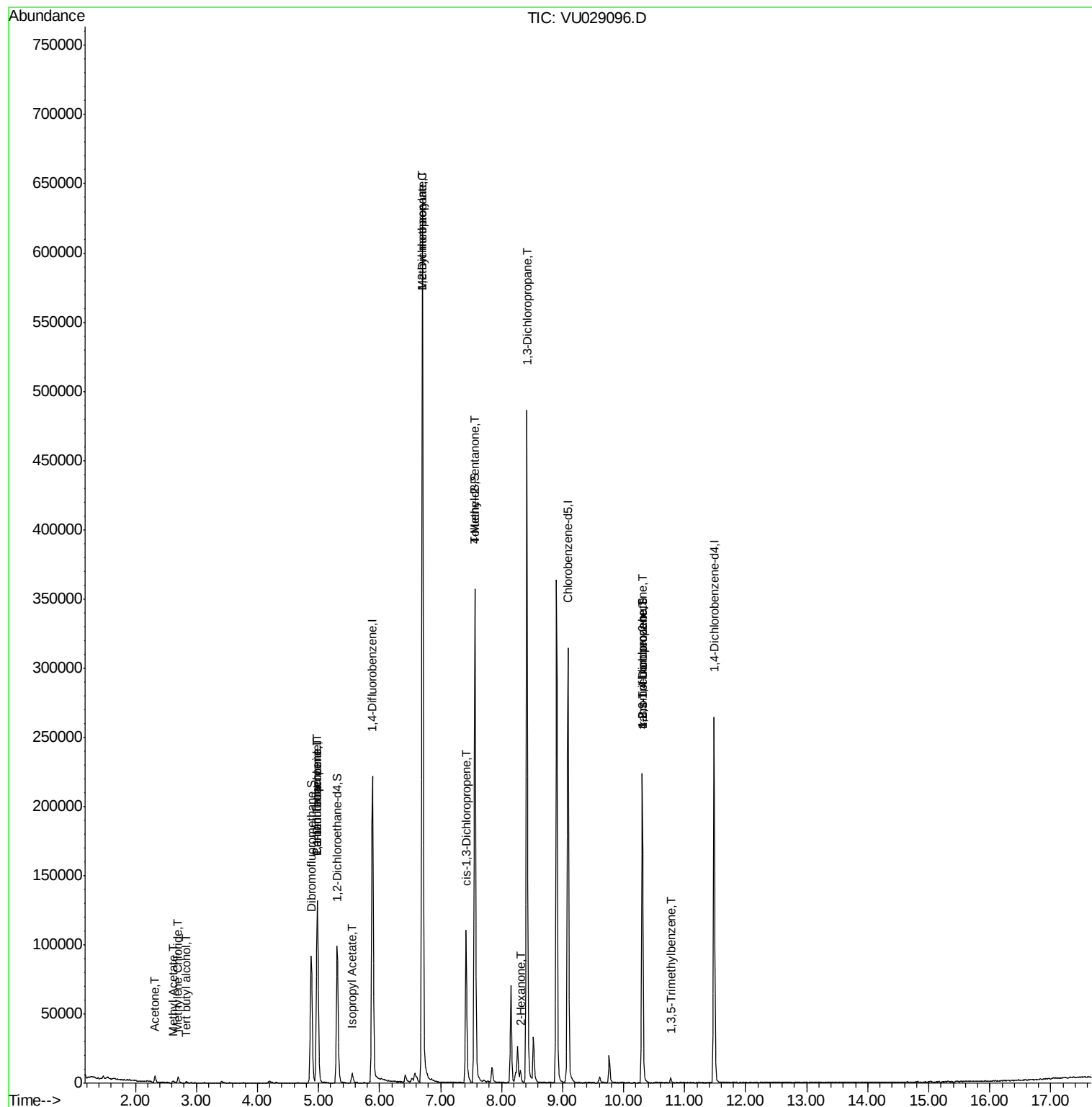
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	578	Below Cal	#	84
11) Tert butyl alcohol	2.84	59	359	1.066	ug/l #	73
16) Acetone	2.32	43	5198	6.230	ug/l	92
18) Methyl Acetate	2.62	43	1835	0.946	ug/l #	81
20) Methylene Chloride	2.70	84	1924	1.358	ug/l	97
31) Cyclohexane	4.98	56	2003	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8490	4.471	ug/l #	46
38) Carbon Tetrachloride	4.98	117	9830	6.206	ug/l #	17
43) Isopropyl Acetate	5.55	43	7764	2.428	ug/l	97
45) 1,2-Dichloropropane	6.70	63	717	0.458	ug/l #	43
48) Methyl methacrylate	6.70	41	53140	34.129	ug/l #	37
51) 4-Methyl-2-Pentanone	7.56	43	4084	1.877	ug/l	89
54) cis-1,3-Dichloropropene	7.42	75	21075	8.818	ug/l #	62
57) 1,3-Dichloropropane	8.41	76	4629	1.873	ug/l #	42
59) 2-Hexanone	8.31	43	6834	4.001	ug/l #	21
76) 1,2,3-Trichloropropane	10.30	75	36484	20.787	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	2703	0.610	ug/l	92
81) trans-1,4-Dichloro-2-buten	10.30	75	36484	53.612	ug/l #	100

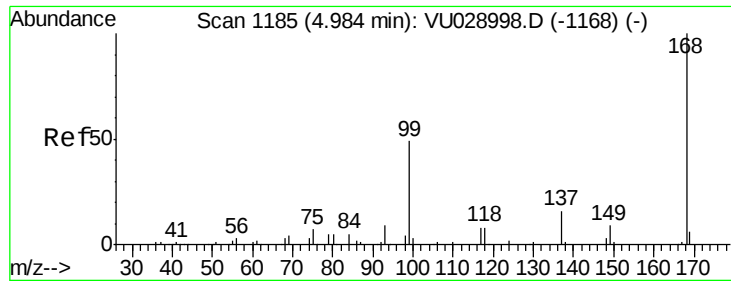
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

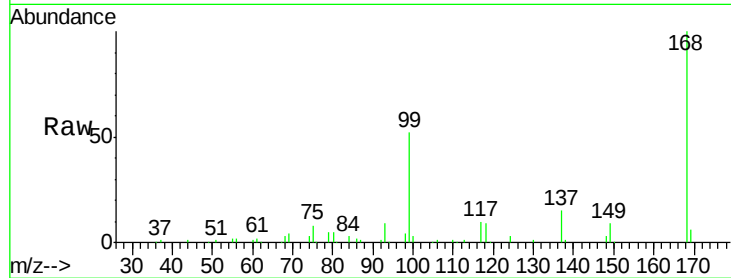
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 107133

Ion Ratio Lower Upper

168 100

99 52.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

50000

40000

30000

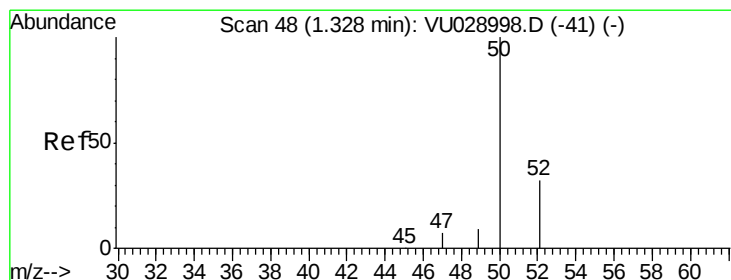
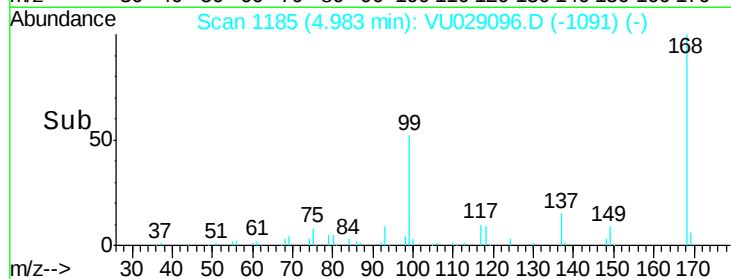
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029096.D

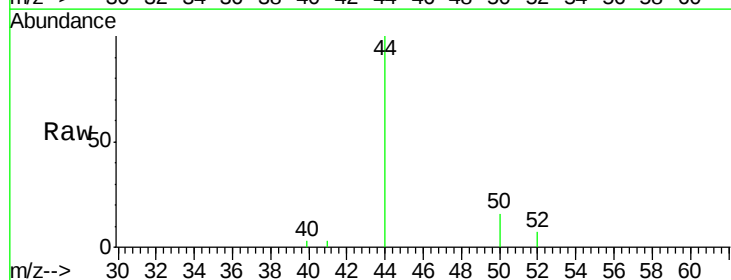
Acq: 09 Jan 2019 17:50

Tgt Ion: 50 Resp: 578

Ion Ratio Lower Upper

50 100

52 41.8 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VU028998.D (-41) (-)

Ion 51.90 (51.60 to 52.60): VU028998.D (-41) (-)

1.33

600

500

400

300

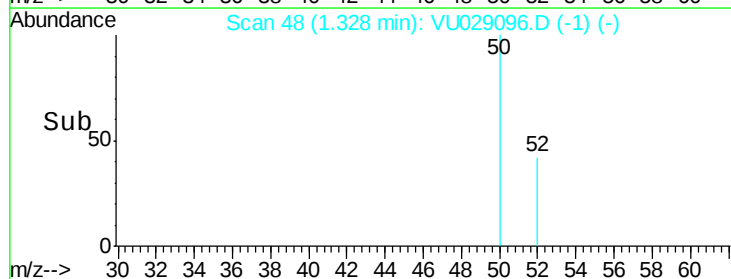
200

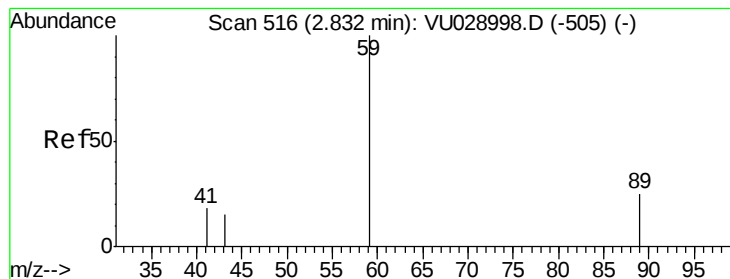
100

0

1.30 1.32 1.34 1.36

Time-->



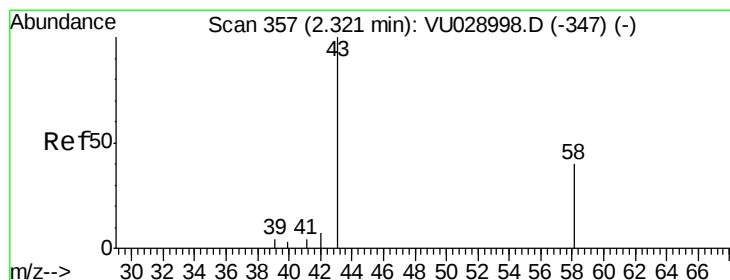
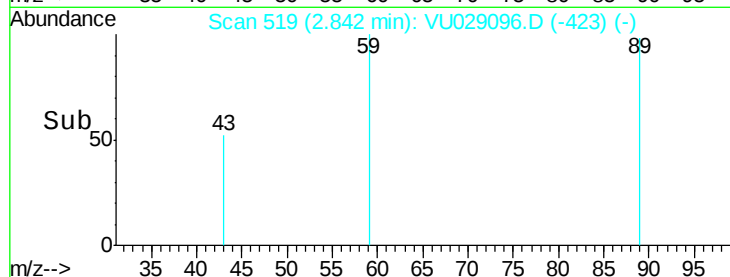
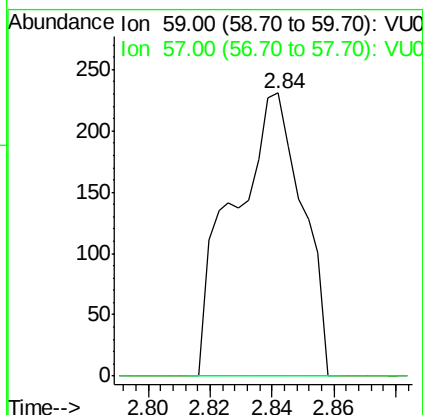
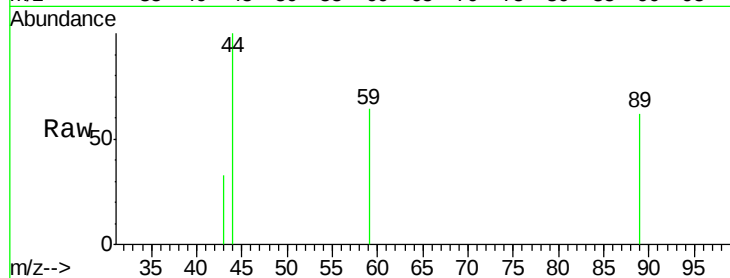


#11

Tert butyl alcohol
 Concen: 1.066 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

Instrument :
 MSVOA_U
 ClientSampled :

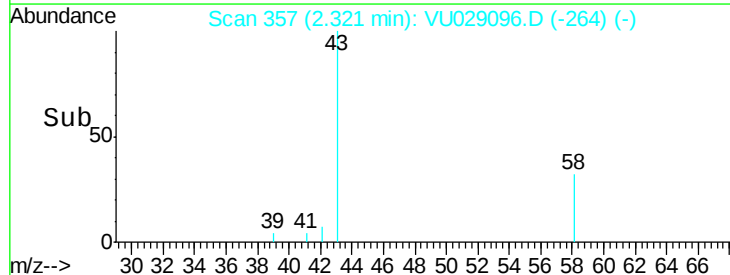
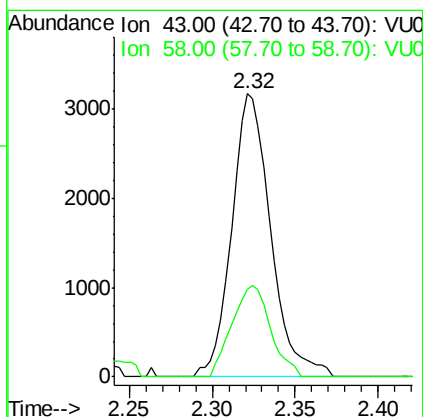
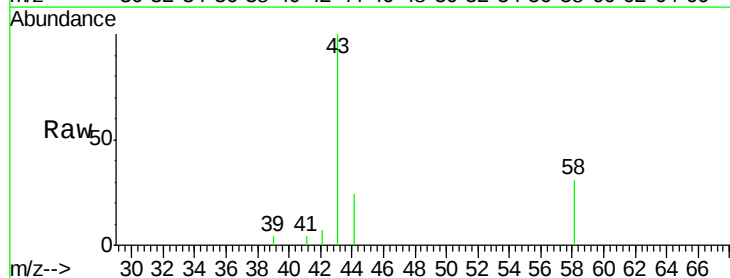
Tot Ion: 59 Resp: 359
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

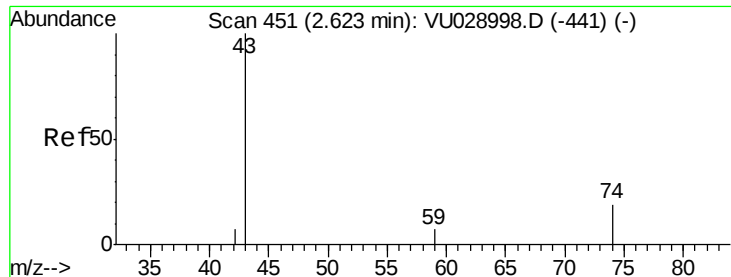


#16

Acetone
 Concen: 6.230 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

Tgt Ion: 43 Resp: 5198
 Ion Ratio Lower Upper
 43 100
 58 30.9 28.6 42.8





#18

Methyl Acetate

Concen: 0.946 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

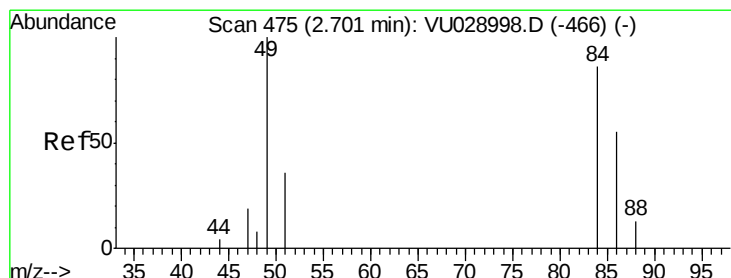
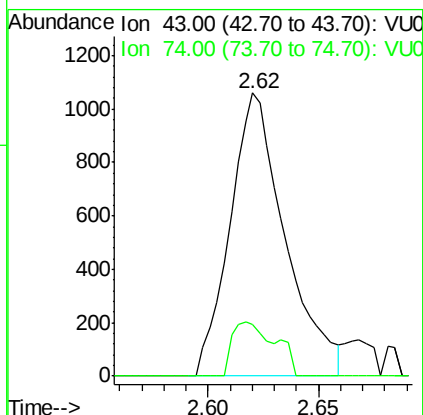
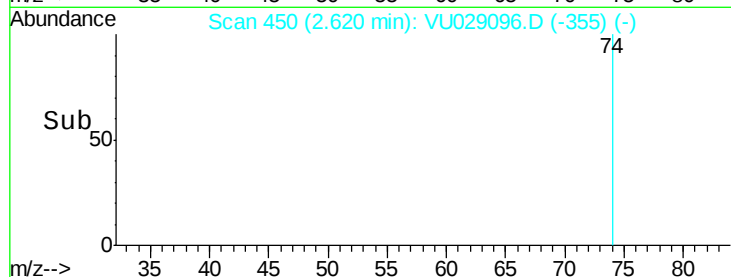
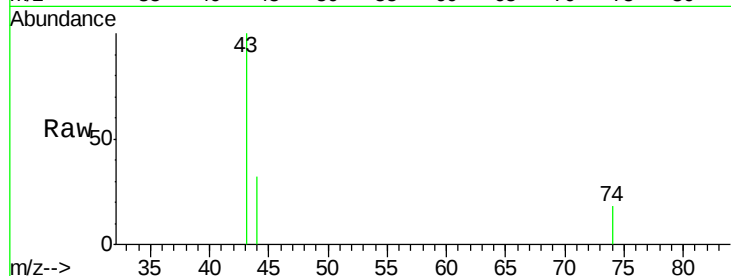
ClientSampleId :

Tot Ion: 43 Resp: 1835

Ion Ratio Lower Upper

43 100

74 14.9 19.5 29.3#



#20

Methylene Chloride

Concen: 1.358 ug/l

RT: 2.70 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Tgt Ion: 84 Resp: 1924

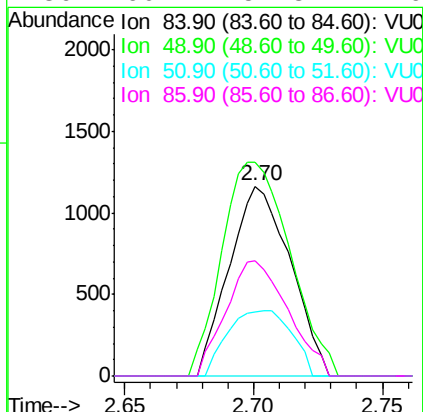
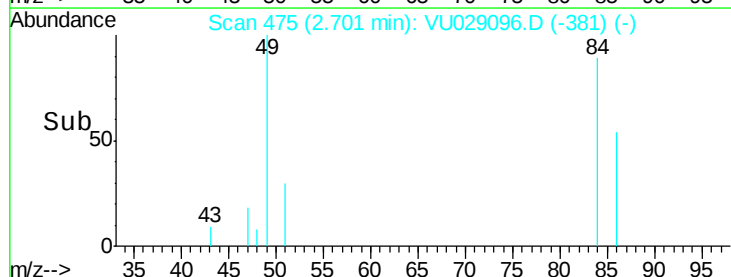
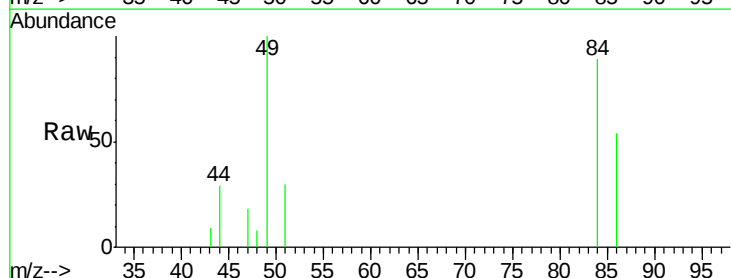
Ion Ratio Lower Upper

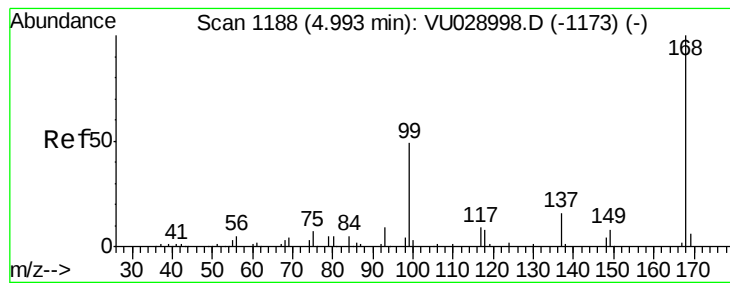
84 100

49 112.5 91.9 137.9

51 33.8 29.2 43.8

86 60.7 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.01 min

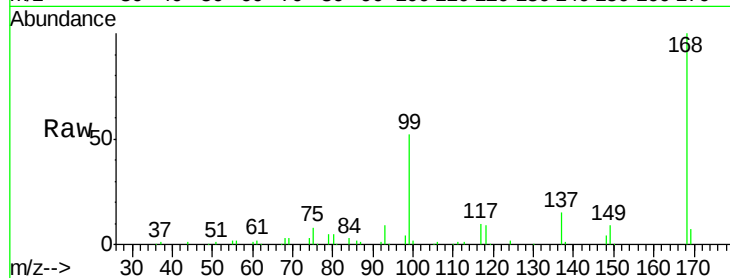
Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

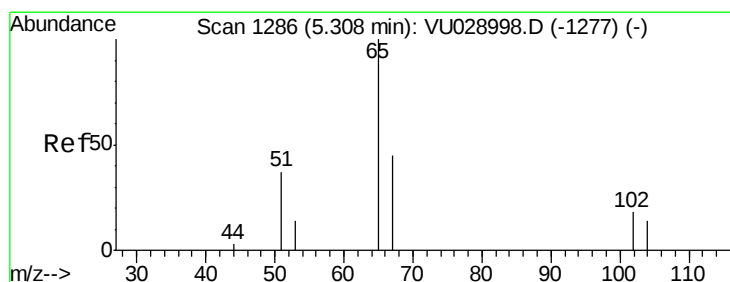
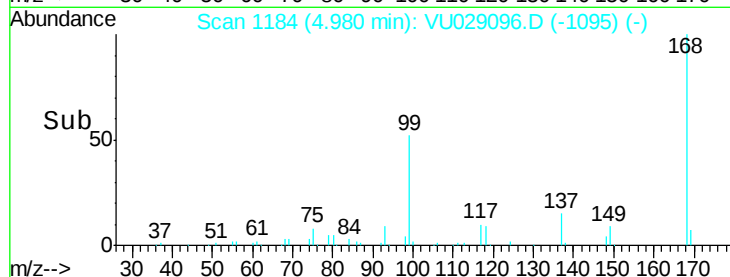
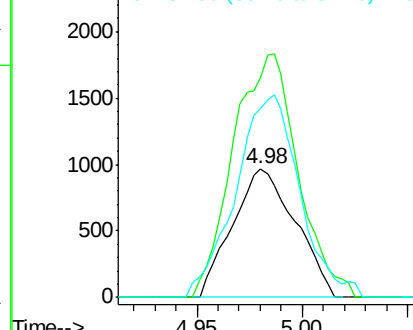
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 2003

Ion	Ratio	Lower	Upper
56	100		
69	170.4	26.7	40.1#
84	135.5	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: 56.969 ug/l

RT: 5.31 min Scan# 1286

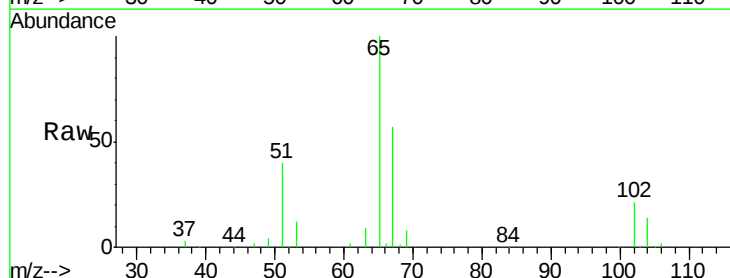
Delta R.T. 0.00 min

Lab File: VU029096.D

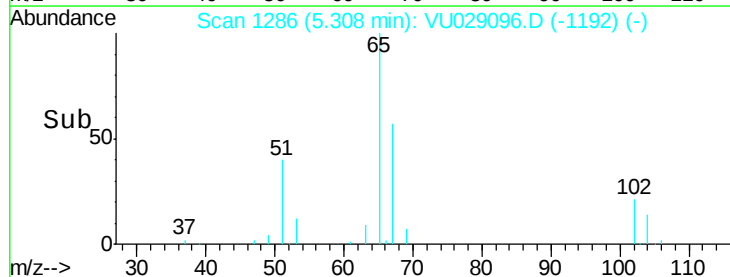
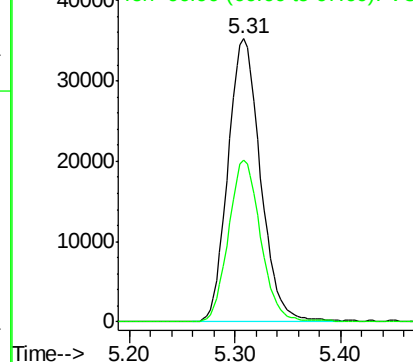
Acq: 09 Jan 2019 17:50

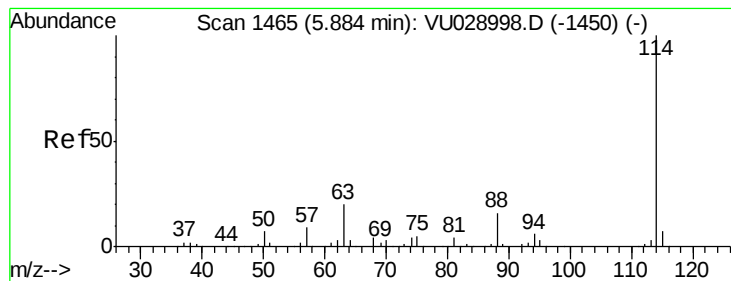
Tgt Ion: 65 Resp: 75448

Ion	Ratio	Lower	Upper
65	100		
67	56.4	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: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

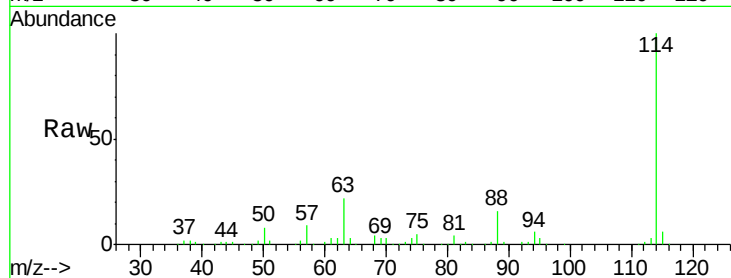
Tot Ion:114 Resp: 189995

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.2

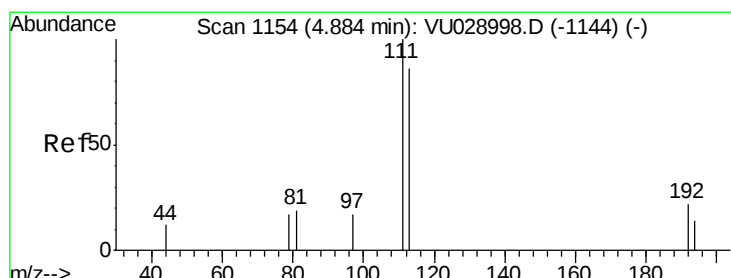
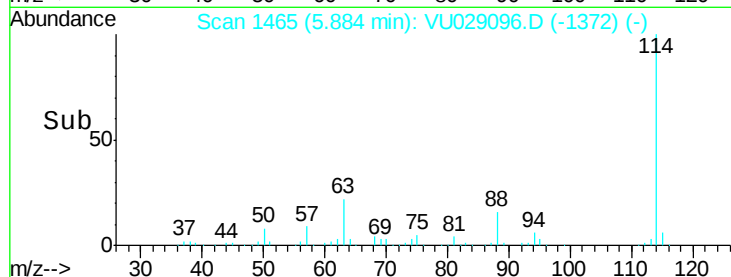
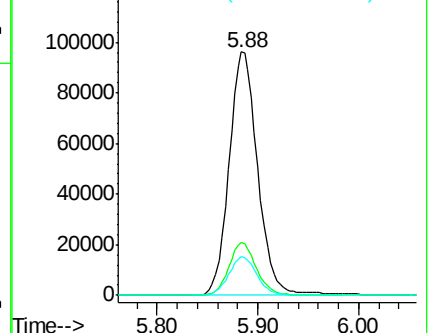
88 15.9 0.0 30.4



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: 53.032 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

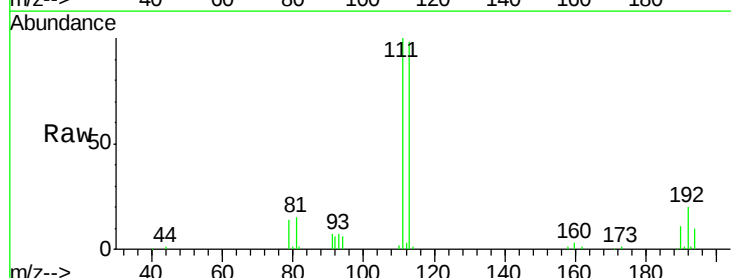
Tgt Ion:113 Resp: 65314

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.2

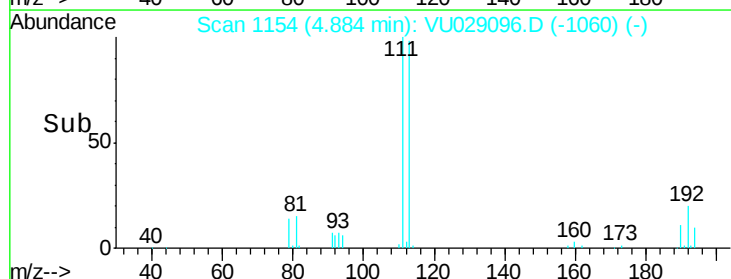
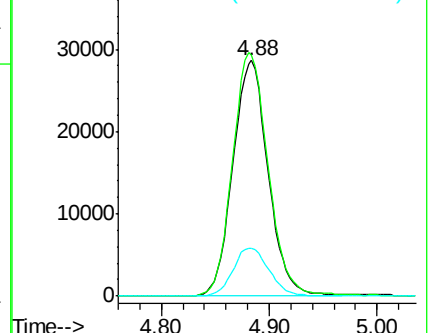
192 20.7 16.8 25.2

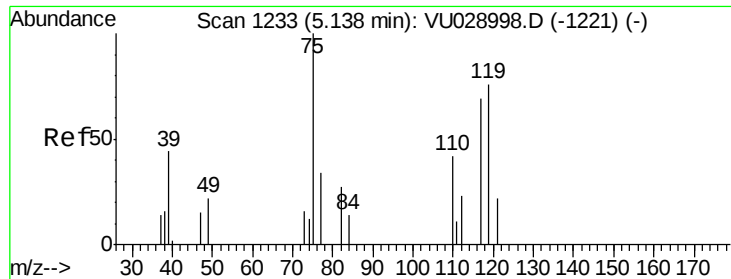


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

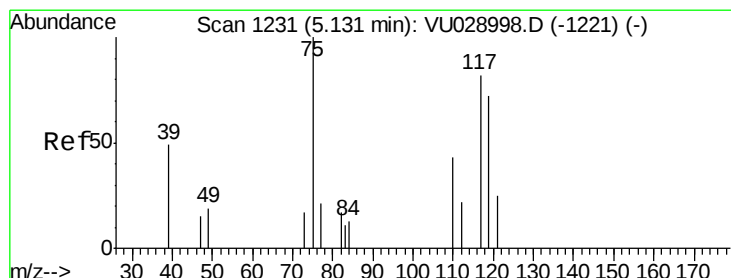
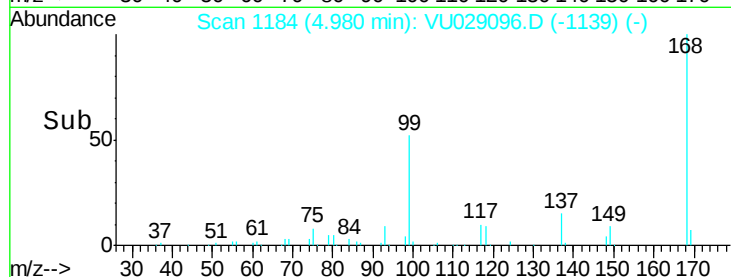
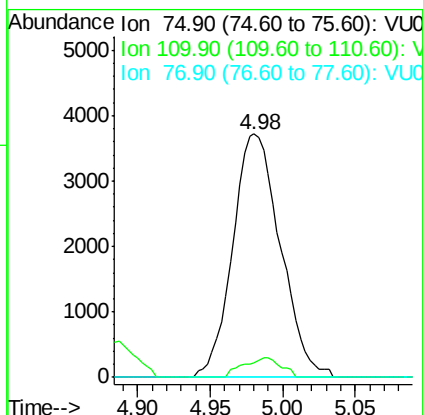
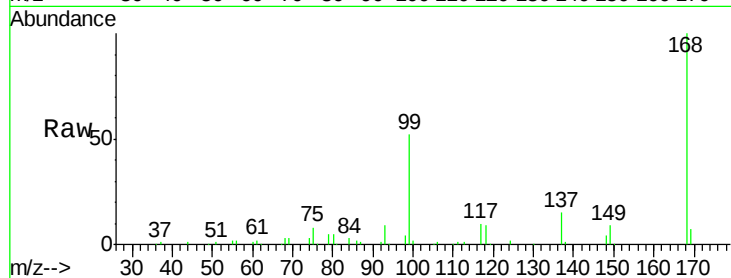




#36
 1,1-Dichloropropene
 Concen: 4.471 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

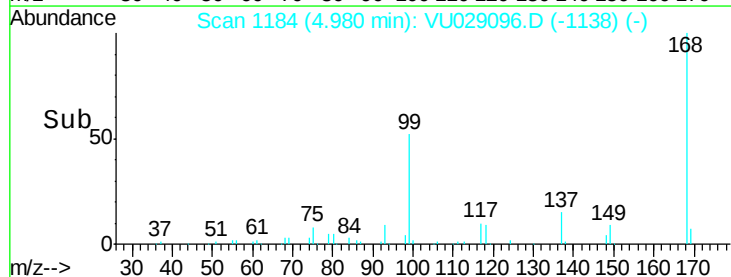
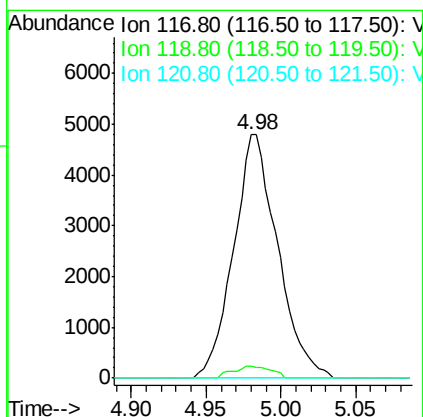
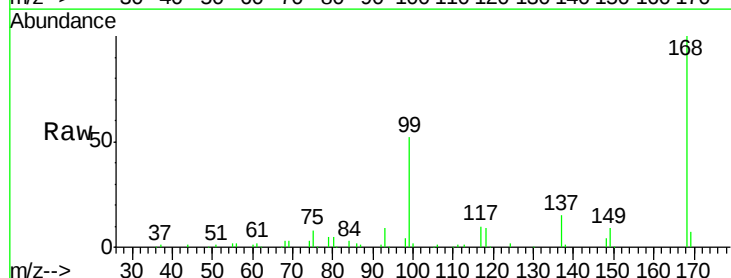
Instrument :
 MSVOA_U
 ClientSampleId :

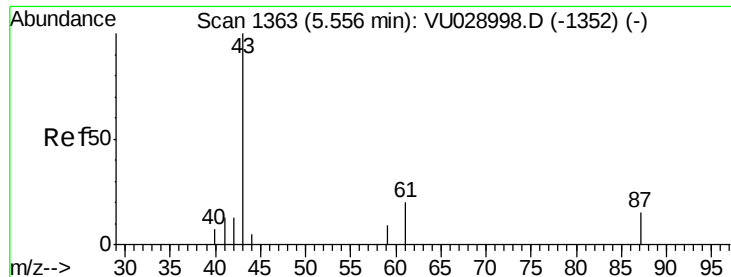
Tot Ion: 75 Resp: 8490
 Ion Ratio Lower Upper
 75 100
 110 6.4 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.206 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

Tgt Ion: 117 Resp: 9830
 Ion Ratio Lower Upper
 117 100
 119 4.8 74.6 111.8#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.428 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

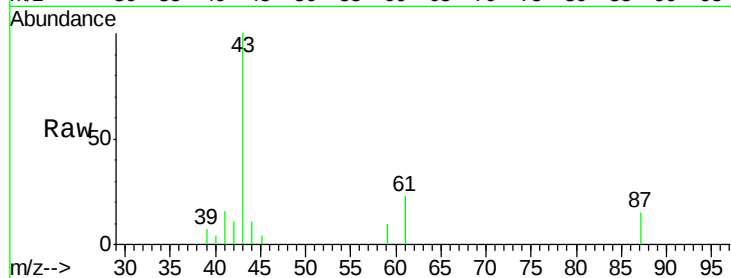
Tot Ion: 43 Resp: 7764

Ion Ratio Lower Upper

43 100

61 20.7 17.8 26.6

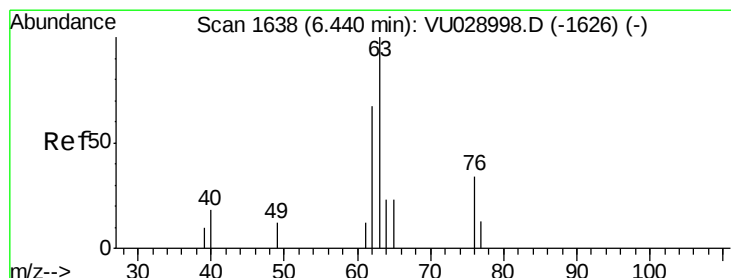
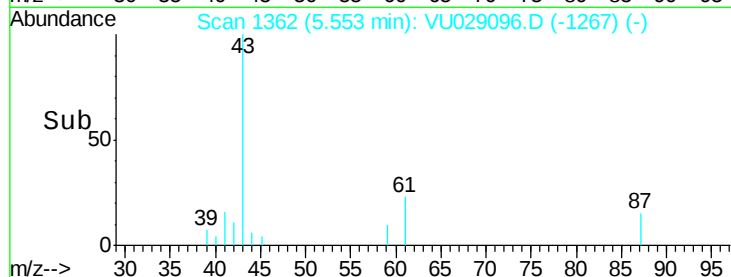
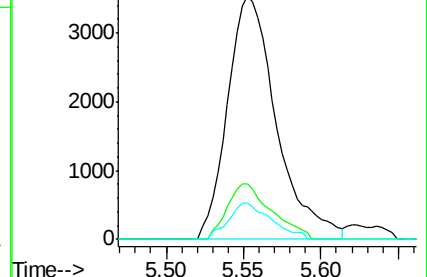
87 13.1 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029096.D (-1267) (-)

Ion 61.00 (60.70 to 61.70): VU029096.D (-1267) (-)

Ion 87.00 (86.70 to 87.70): VU029096.D (-1267) (-)



#45

1,2-Dichloropropane

Concen: 0.458 ug/l

RT: 6.70 min Scan# 1719

Delta R.T. 0.27 min

Lab File: VU029096.D

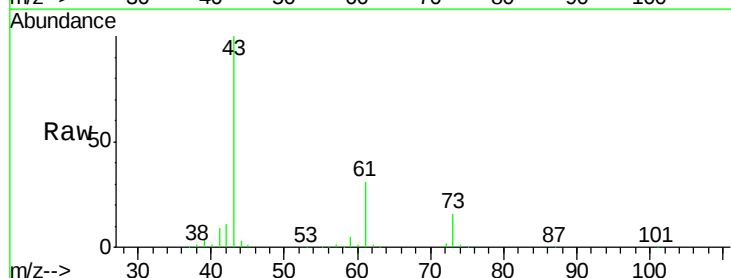
Acq: 09 Jan 2019 17:50

Tgt Ion: 63 Resp: 717

Ion Ratio Lower Upper

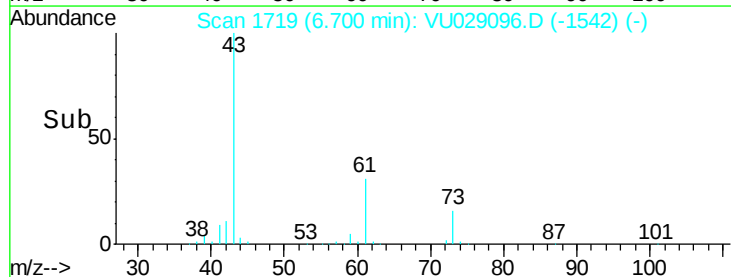
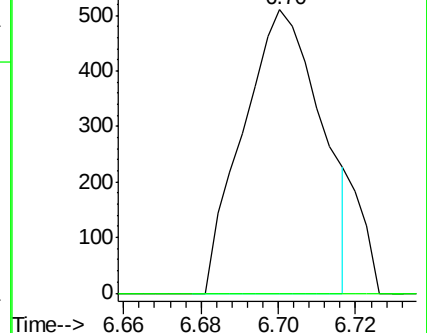
63 100

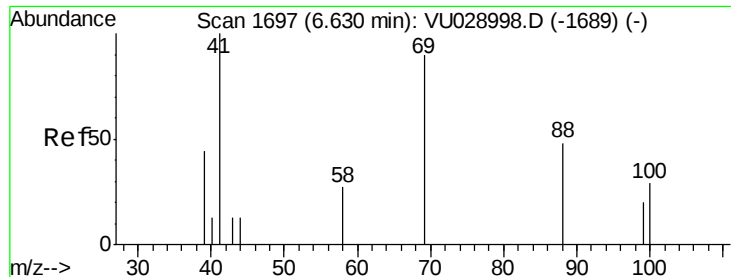
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU029096.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU029096.D (-1542) (-)





#48

Methvl methacrylate

Concen: 34.129 ug/l

RT: 6.70 min Scan# 1720

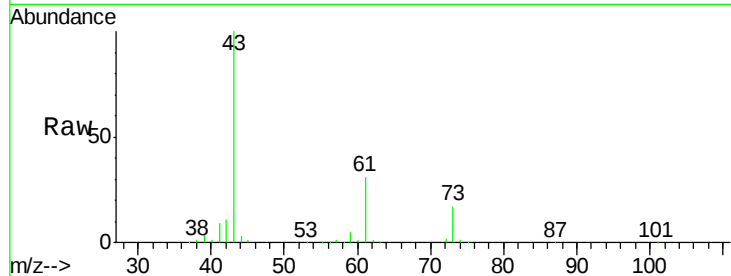
Delta R.T. 0.08 min

Lab File: VU029096.D

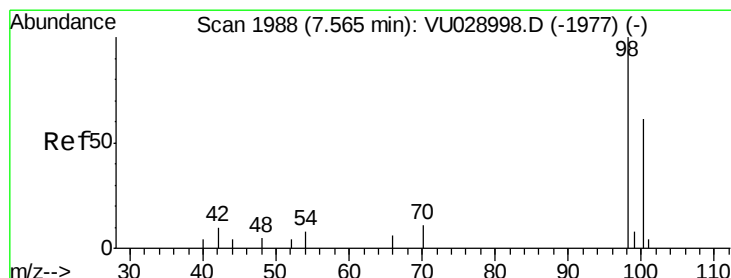
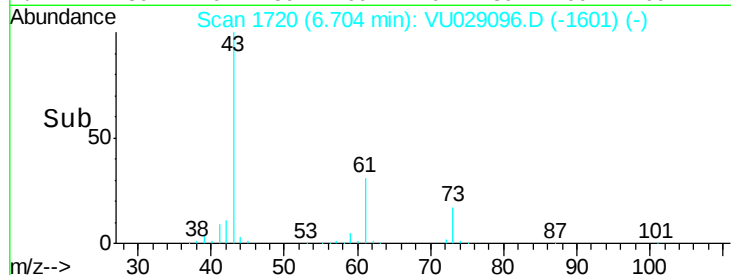
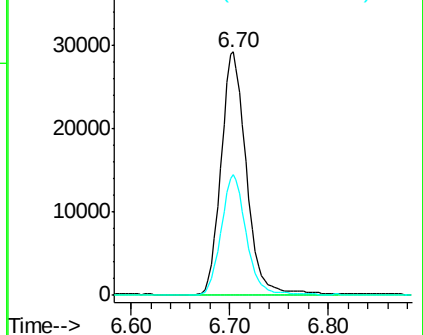
Acq: 09 Jan 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 41 Resp: 53140
Ion Ratio Lower Upper
41 100
69 0.0 73.6 110.4#
39 48.7 39.6 59.4



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



#50

Toluene-d8

Concen: 51.356 ug/l

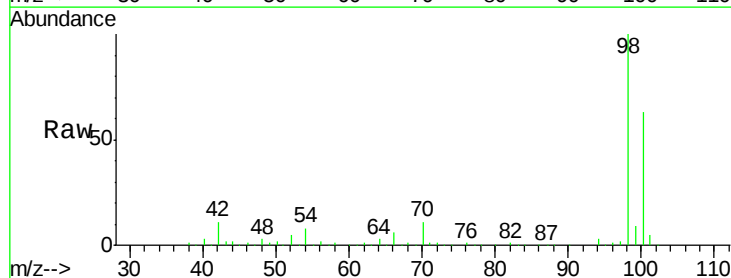
RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

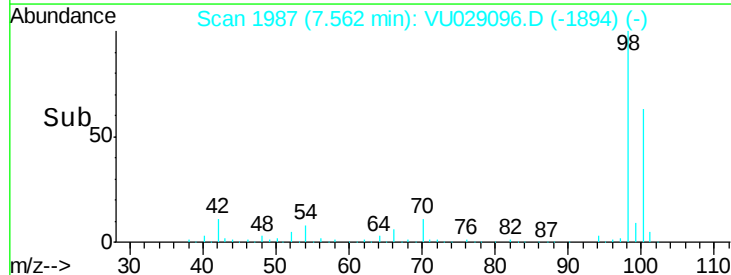
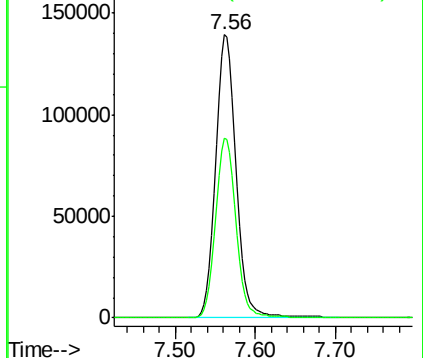
Lab File: VU029096.D

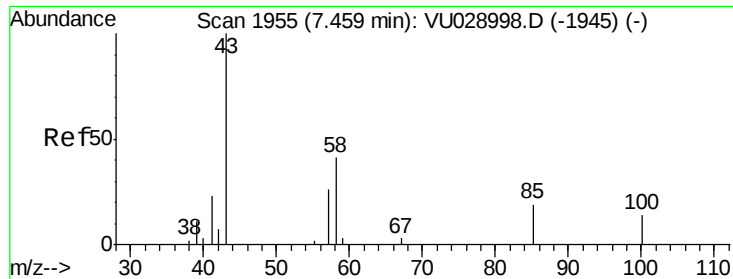
Acq: 09 Jan 2019 17:50

Tgt Ion: 98 Resp: 249705
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 1.877 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

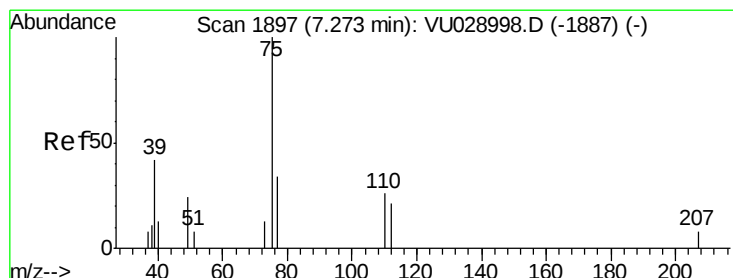
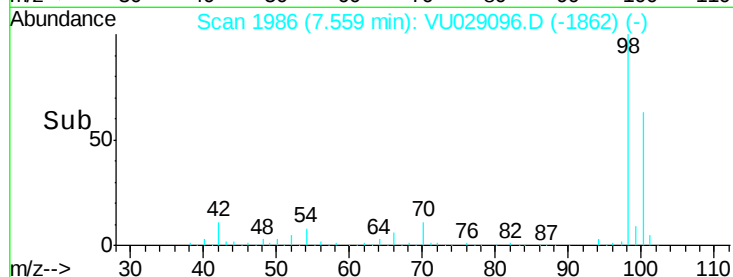
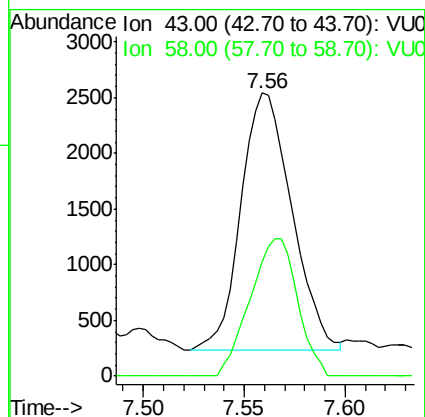
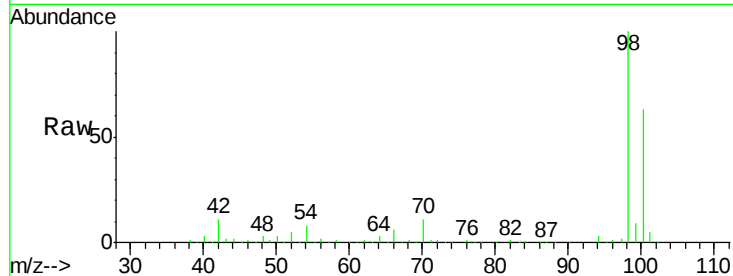
ClientSampled :

Tot Ion: 43 Resp: 4084

Ion Ratio Lower Upper

43 100

58 49.6 33.9 50.9



#54

cis-1,3-Dichloropropene

Concen: 8.818 ug/l

RT: 7.42 min Scan# 1942

Delta R.T. 0.15 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

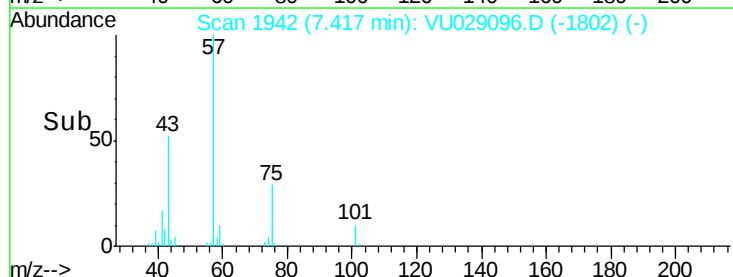
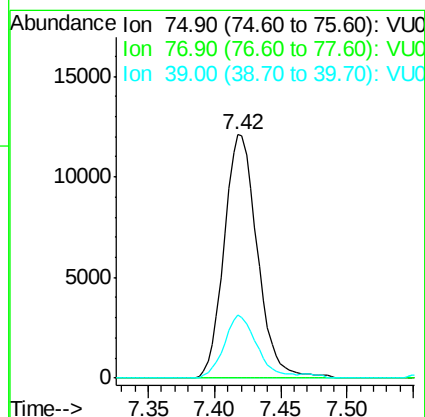
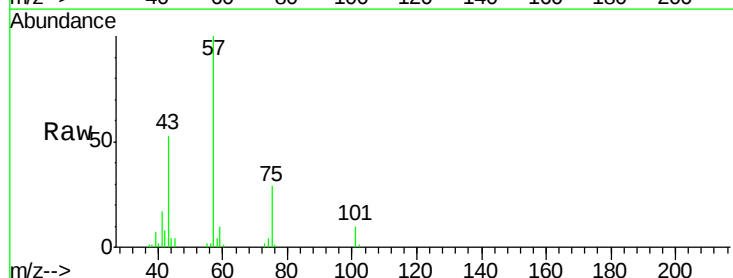
Tgt Ion: 75 Resp: 21075

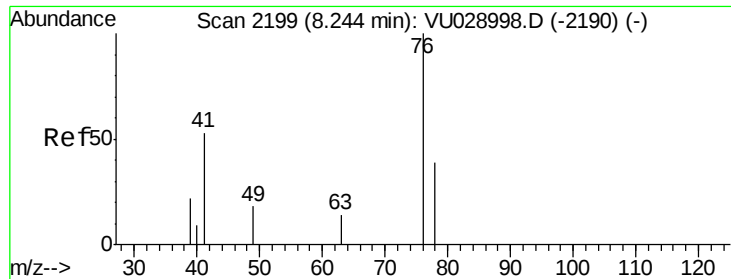
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 25.7 32.2 48.4#

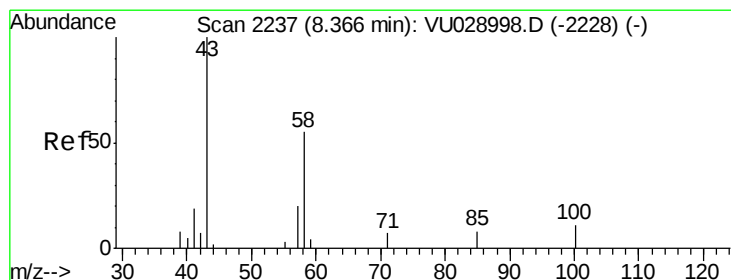
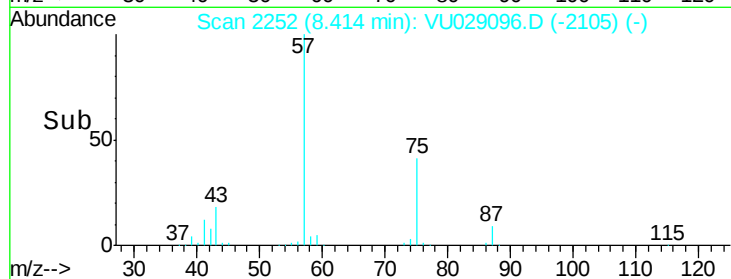
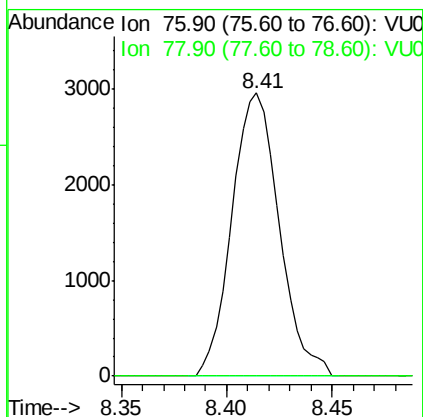
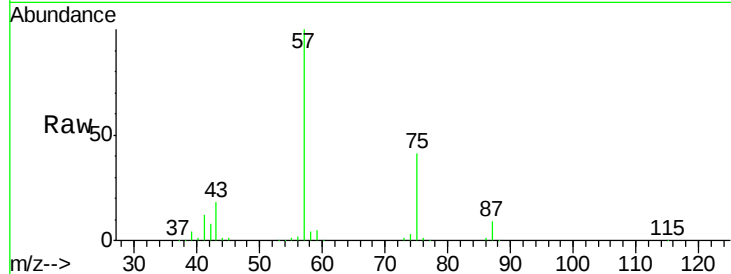




#57
 1,3-Dichloropropane
 Concen: 1.873 ug/l
 RT: 8.41 min Scan# 2252
 Delta R.T. 0.17 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

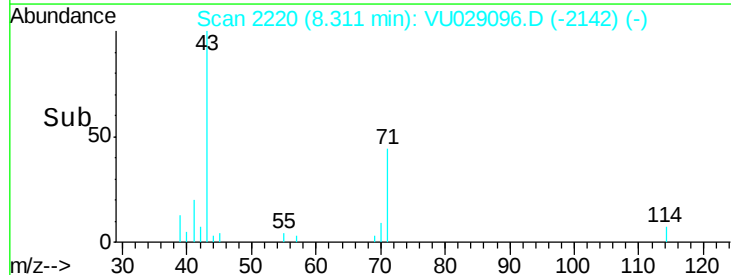
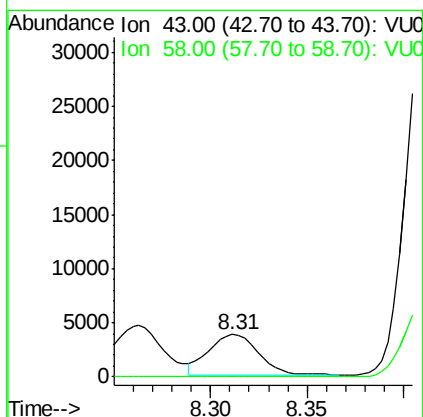
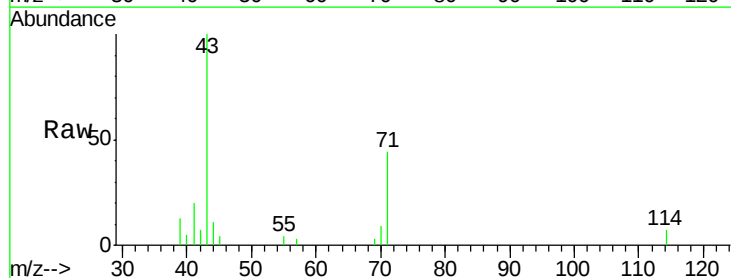
Instrument :
 MSVOA_U
 ClientSampled :

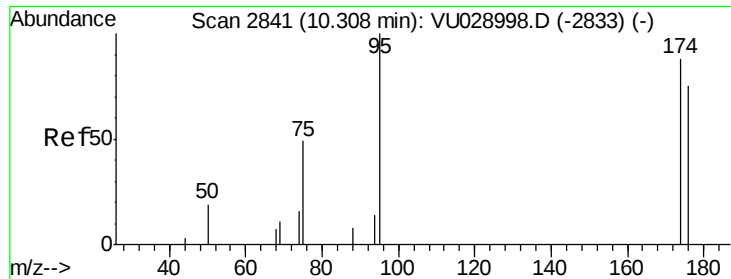
Tot Ion: 76 Resp: 4629
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 4.001 ug/l
 RT: 8.31 min Scan# 2220
 Delta R.T. -0.05 min
 Lab File: VU029096.D
 Acq: 09 Jan 2019 17:50

Tgt Ion: 43 Resp: 6834
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 89.4#

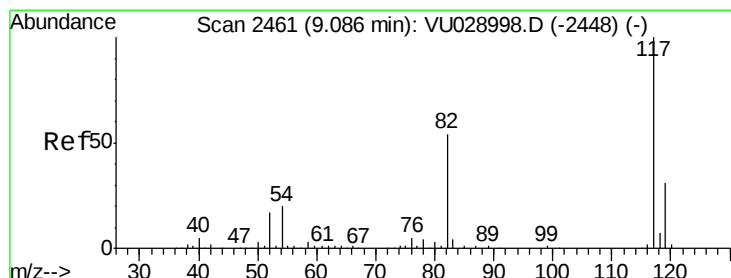
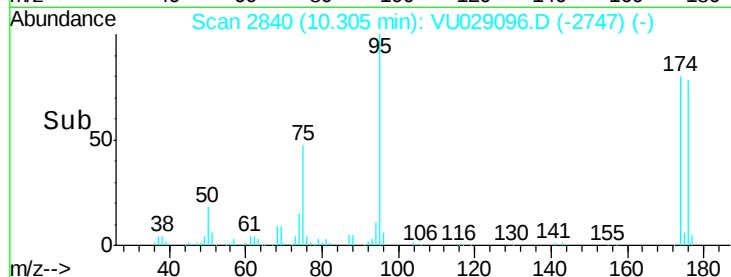
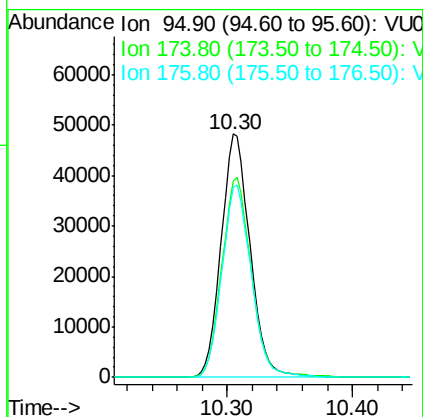
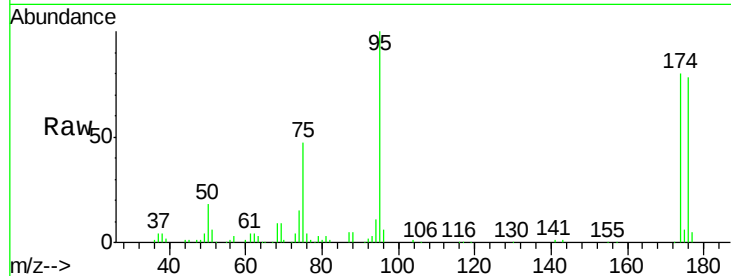




#62
4-Bromofluorobenzene
Concen: 44.256 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU029096.D
Acq: 09 Jan 2019 17:50

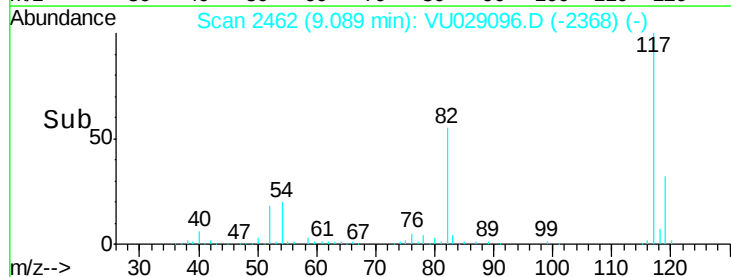
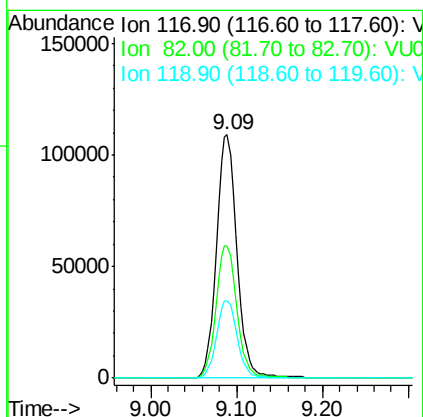
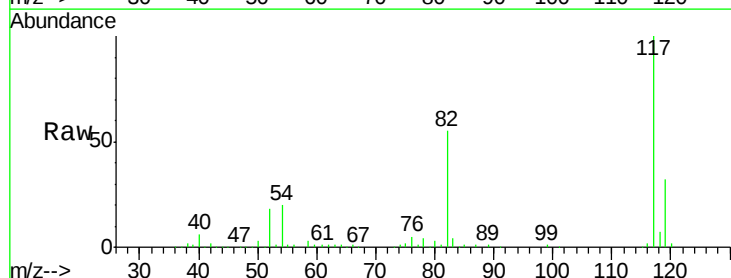
Instrument :
MSVOA_U
ClientSampleId :

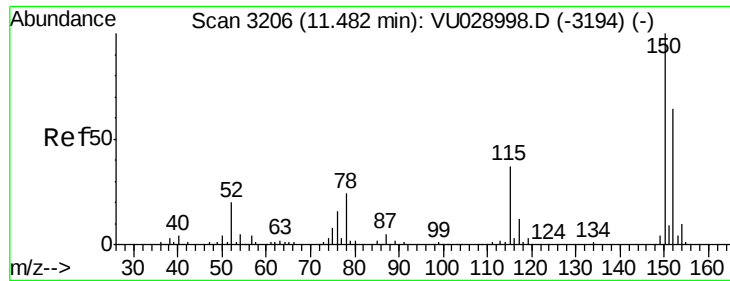
Tot Ion: 95 Resp: 77332
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.6
176 80.2 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029096.D
Acq: 09 Jan 2019 17:50

Tgt Ion: 117 Resp: 181599
Ion Ratio Lower Upper
117 100
82 54.5 43.9 65.9
119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

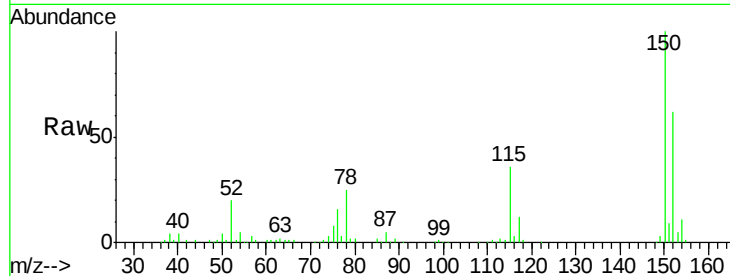
Tot Ion:152 Resp: 71632

Ion Ratio Lower Upper

152 100

115 57.1 40.1 120.3

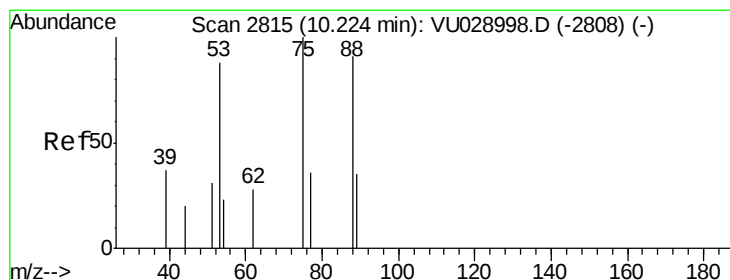
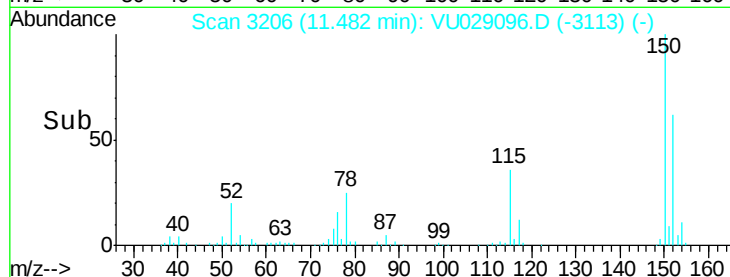
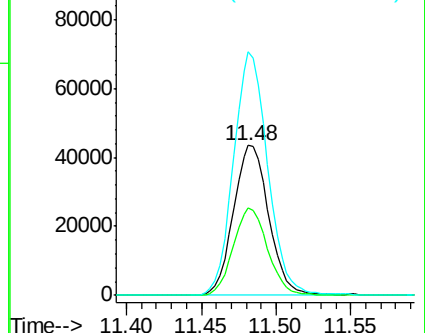
150 157.4 0.0 345.2



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: 20.787 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029096.D

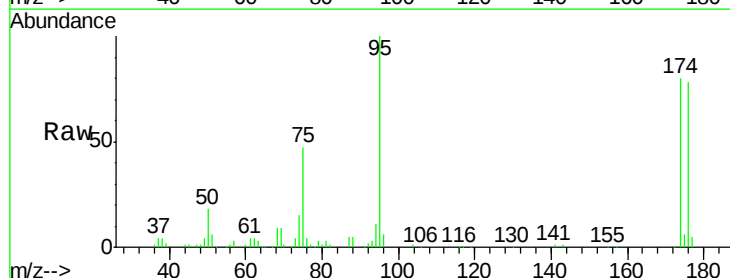
Acq: 09 Jan 2019 17:50

Tgt Ion: 75 Resp: 36484

Ion Ratio Lower Upper

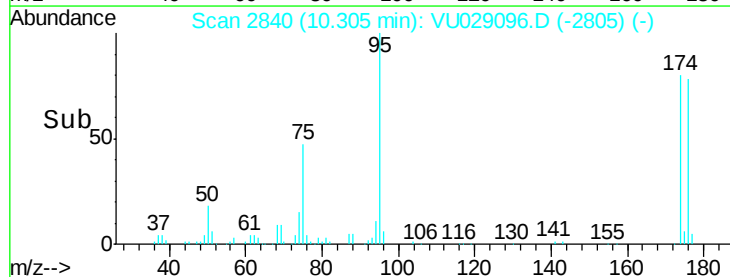
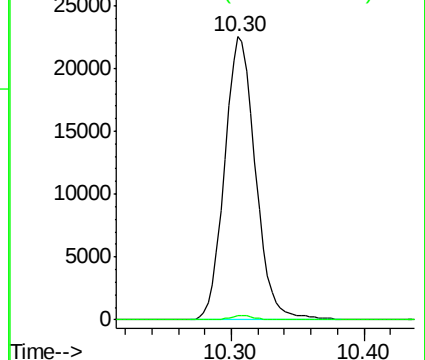
75 100

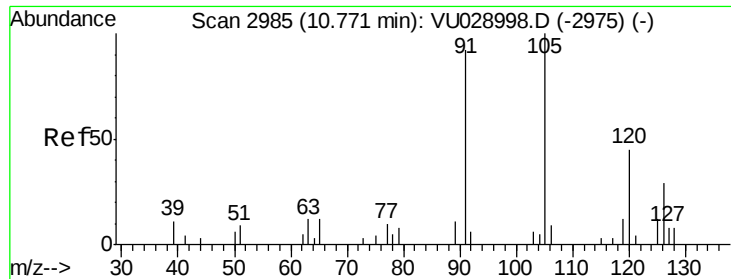
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#80

1,3,5-Trimethylbenzene

Concen: 0.610 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Instrument :

MSVOA_U

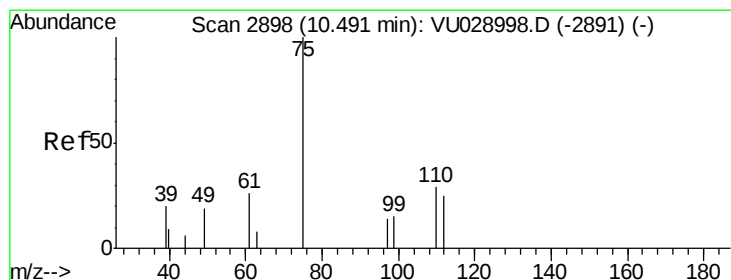
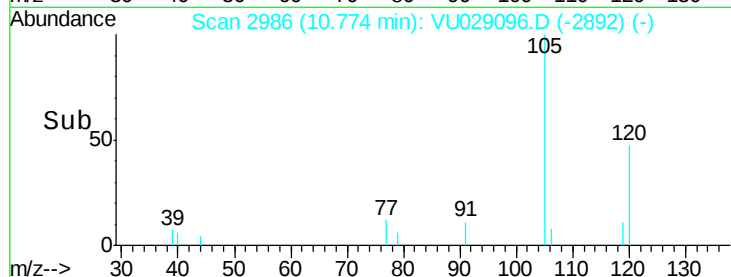
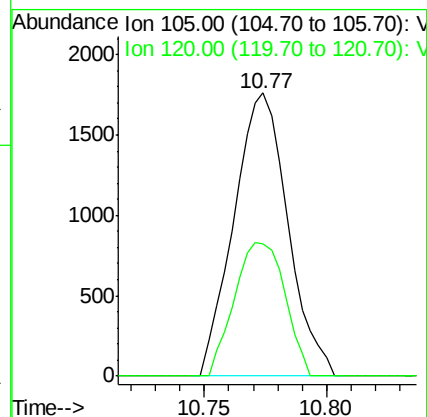
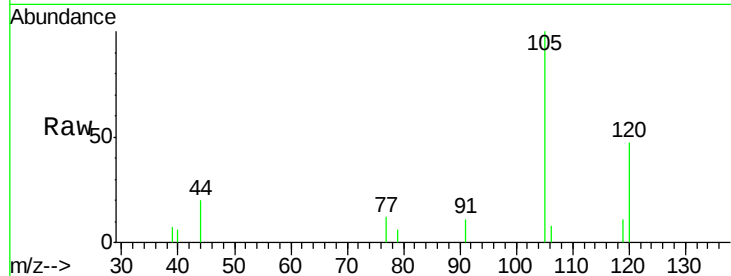
ClientSampled :

Tot Ion:105 Resp: 2703

Ion Ratio Lower Upper

105 100

120 44.2 24.8 74.4



#81

trans-1,4-Dichloro-2-butene

Concen: 53.612 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029096.D

Acq: 09 Jan 2019 17:50

Tgt Ion: 75 Resp: 36484

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

