

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102318\
 Data File : VU027760.D
 Acq On : 23 Oct 2018 12:58
 Operator : MD/SY
 Sample : J5026-05DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 05:10:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 23 09:12:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	12784	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4475	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	4266	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	41169	8.110	ug/l	100
3) Chloromethane	1.40	50	180	0.033	ug/l #	41
4) Vinyl Chloride	1.40	62	36063	7.118	ug/l	98
5) Bromomethane	1.63	94	12651	4.747	ug/l	98
6) Chloroethane	1.70	64	9236	3.362	ug/l	95
7) Trichlorofluoromethane	1.89	101	35143	5.691	ug/l	99
9) 1,1-Dichloroethene	2.29	96	13228	4.639	ug/l	98
11) Allyl Chloride	2.70	41	1180	0.175	ug/l #	15
12) Acrylonitrile	2.97	53	40	0.046	ug/l #	16
13) Acetone	2.32	43	424	0.535	ug/l #	47
14) Carbon Disulfide	2.49	76	108	0.010	ug/l #	75
15) Methylene Chloride	2.70	84	10816	3.010	ug/l	97
16) trans-1,2-Dichloroethene	2.99	96	2449	0.772	ug/l	93
18) 2-Butanone	4.29	43	19	0.014	ug/l	79
21) 2,2-Dichloropropane	4.25	77	144	0.023	ug/l #	1
22) cis-1,2-Dichloroethene	4.22	96	15222	4.006	ug/l	89
23) Diethyl Ether	2.29	59	848	0.313	ug/l #	18
24) tert-Butyl Alcohol	3.00	59	215	0.743	ug/l #	1
25) Methyl tert-Butyl Ether	3.01	73	77626	8.550	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	4853	0.799	ug/l	99
29) 1,1-Dichloropropene	5.13	75	19848	3.744	ug/l	99
30) Carbon Tetrachloride	5.14	117	5012	0.924	ug/l	97
31) Isopropyl Ether	3.35	45	20	0.002	ug/l #	1
32) Ethyl-t-butyl ether	4.22	59	212	0.019	ug/l #	38
33) Tert-Amyl methyl ether	5.75	73	68	0.007	ug/l #	58
35) Benzene	5.14	78	42	0.003	ug/l #	1
36) 1,2-Dichloroethane	5.41	62	19718	3.999	ug/l	98
37) Trichloroethene	6.19	130	9680	2.648	ug/l	94
38) 1,2-Dichloropropane	6.44	63	16505	3.967	ug/l	97
41) Tetrahydrofuran	4.66	42	43	0.045	ug/l #	40
46) t-1,4-Dichloro-2-butene	10.49	75	12499	11.291	ug/l #	19
50) t-1,3-Dichloropropene	7.88	75	17858	3.490	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	12724	2.111	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	3216	1.259	ug/l	95
53) 1,3-Dichloropropane	8.25	76	16825	3.428	ug/l	99
58) Tetrachloroethene	8.23	164	10000	2.901	ug/l	96
59) Chlorobenzene	9.12	112	174	0.018	ug/l #	43
60) 1,1,1,2-Tetrachloroethane	9.21	131	1773	0.518	ug/l	97
63) Ethyl Benzene	9.26	91	374	0.021	ug/l #	45
66) Styrene	9.80	104	128	0.012	ug/l #	45
69) Isopropylbenzene	10.17	105	60	0.003	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

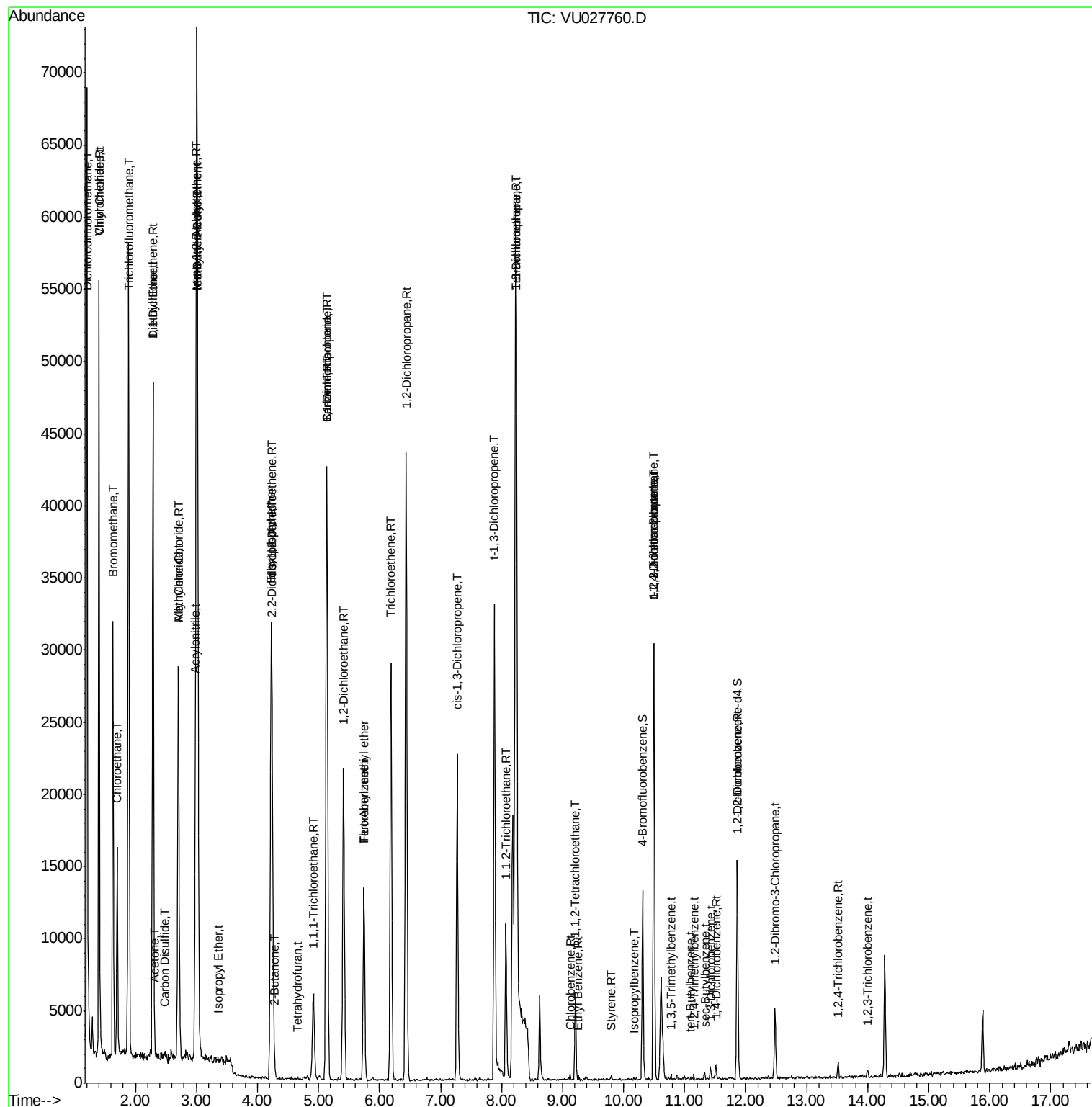
70) 1,1,2,2-Tetrachloroethane	10.50	83	270	0.080	ug/l #	82
71) 1,2,3-Trichloropropane	10.49	75	12499	4.736	ug/l #	99
75) 1,3,5-Trimethylbenzene	10.78	105	223	0.015	ug/l #	30
77) tert-Butylbenzene	11.10	119	64	0.005	ug/l #	28
78) 1,2,4-Trimethylbenzene	11.15	105	45	0.003	ug/l #	33
79) sec-Butylbenzene	11.33	105	521	0.028	ug/l #	58
82) 1,3-Dichlorobenzene	11.42	146	475	0.062	ug/l #	82
83) 1,4-Dichlorobenzene	11.52	146	480	0.063	ug/l #	90
85) 1,2-Dichlorobenzene	11.88	146	237	0.033	ug/l	82
86) 1,2-Dibromo-3-Chloropropan	12.48	75	70	0.111	ug/l #	9
87) 1,2,4-Trichlorobenzene	13.52	180	540	0.102	ug/l #	74
90) 1,2,3-Trichlorobenzene	13.99	180	342	0.068	ug/l #	73

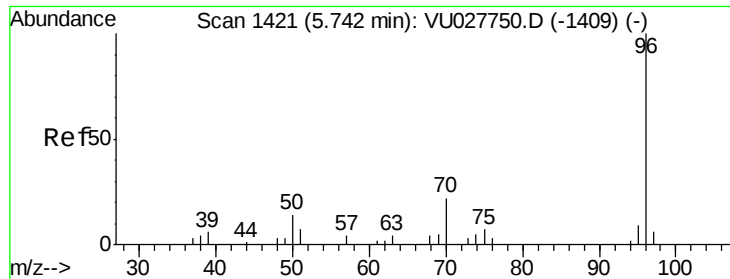
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1423

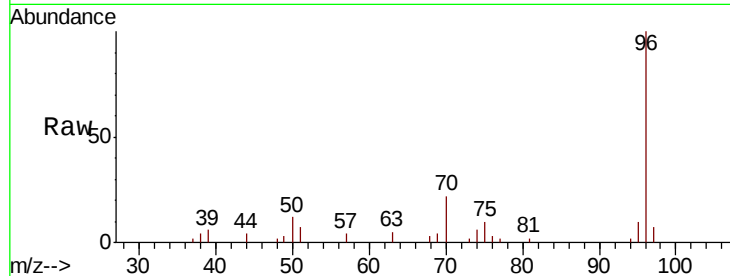
Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	96	Resp:	12784
Ion	Ratio	Lower	Upper
96	100		
70	22.6	17.7	26.5
95	9.3	7.0	10.6
97	6.0	0.0	0.0#

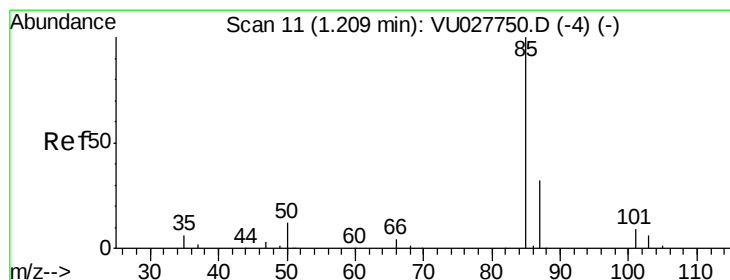
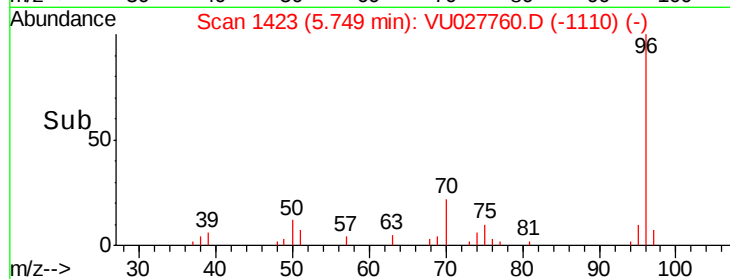
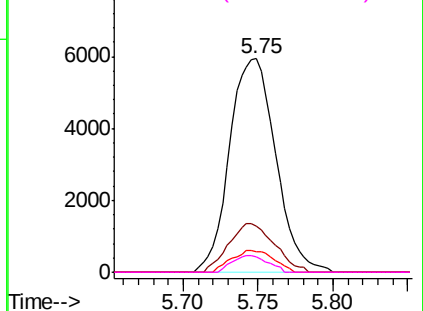


Abundance Ion 96.00 (95.70 to 96.70): VU027750.D (-1409) (-)

Ion 70.00 (69.70 to 70.70): VU027750.D (-1409) (-)

Ion 95.00 (94.70 to 95.70): VU027750.D (-1409) (-)

Ion 97.00 (96.70 to 97.70): VU027750.D (-1409) (-)



#2

Dichlorodifluoromethane

Concen: 8.110 ug/l

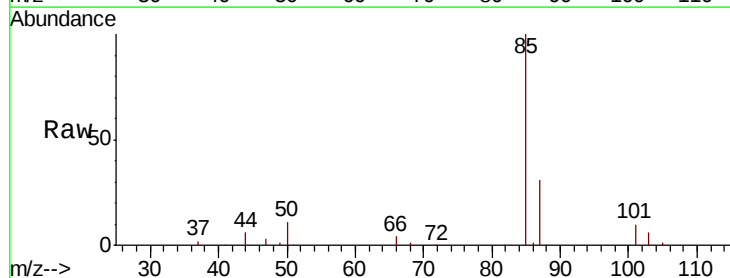
RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027760.D

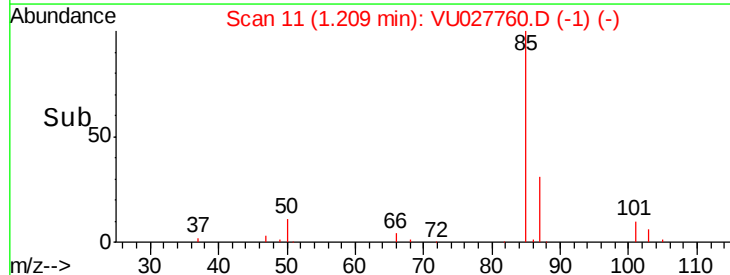
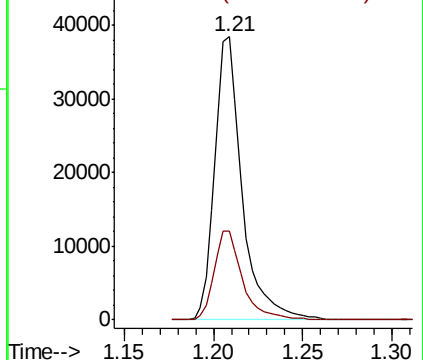
Acq: 23 Oct 2018 12:58

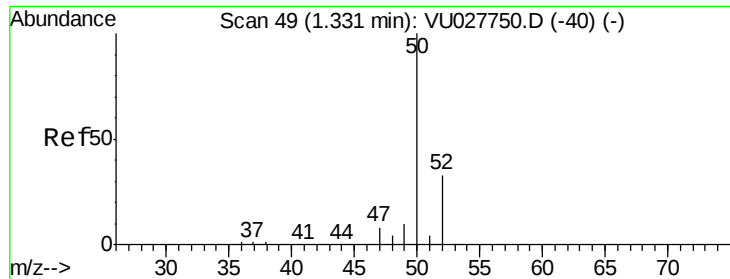
Tgt Ion:	85	Resp:	41169
Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.9	47.6



Abundance Ion 85.00 (84.70 to 85.70): VU027750.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027750.D (-4) (-)





#3

Chloromethane

Concen: 0.033 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.07 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

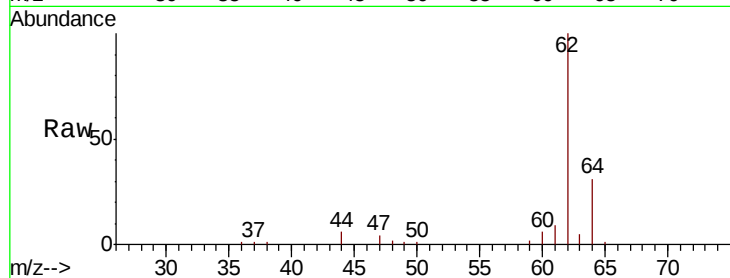
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 180

Ion Ratio Lower Upper

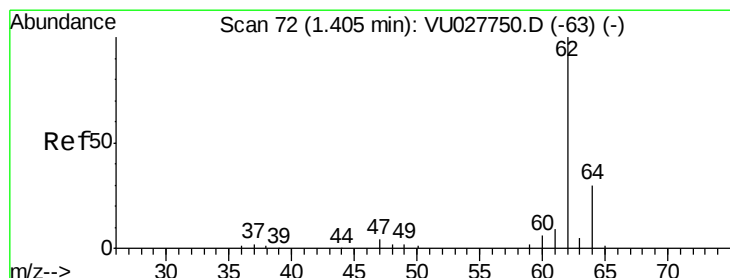
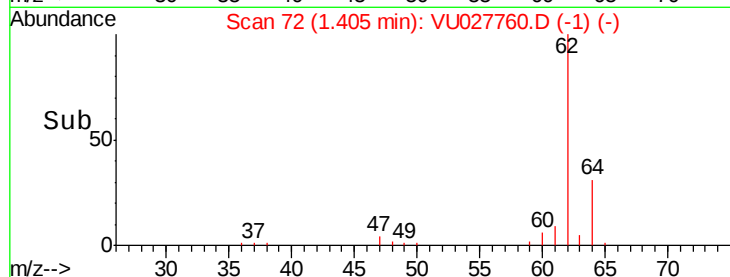
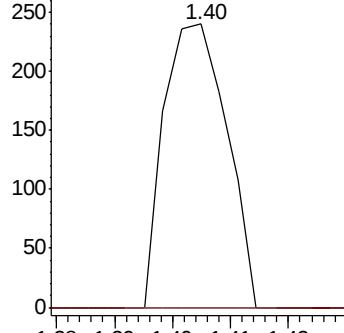
50 100

52 0.0 26.6 40.0#



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 7.118 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027760.D

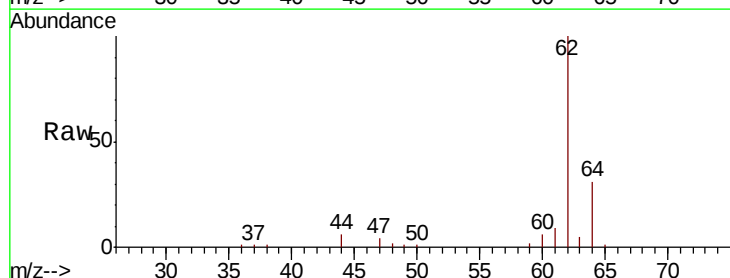
Acq: 23 Oct 2018 12:58

Tgt Ion: 62 Resp: 36063

Ion Ratio Lower Upper

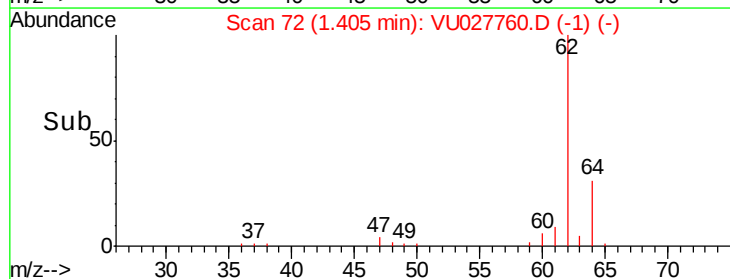
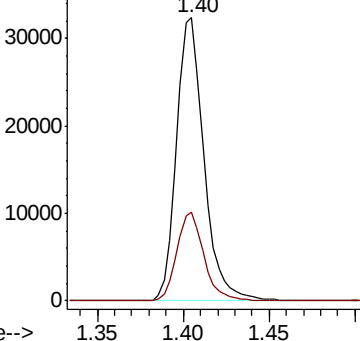
62 100

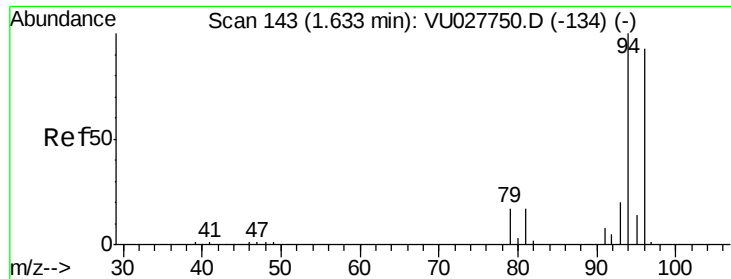
64 31.4 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

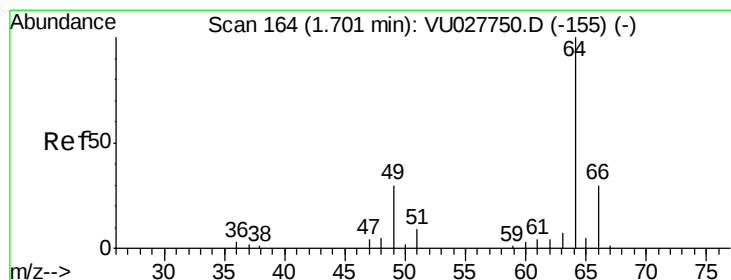
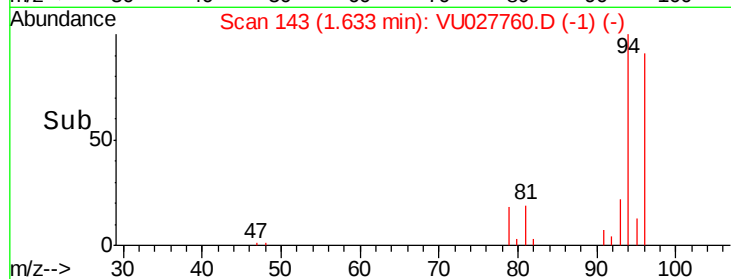
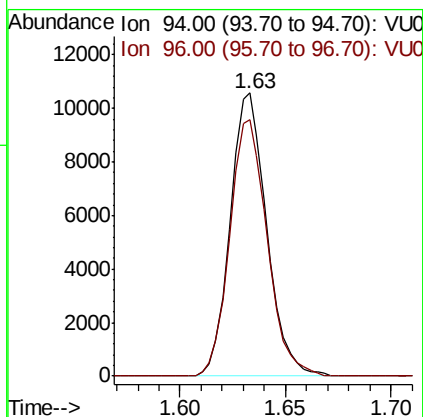
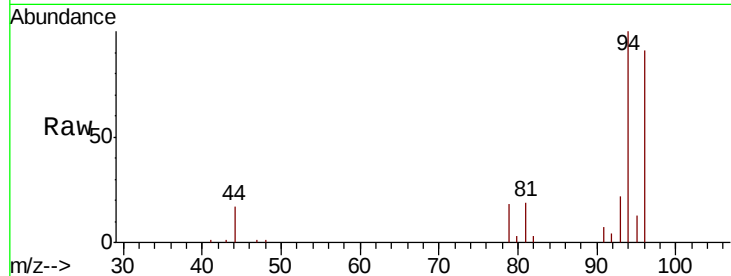




#5
Bromomethane
Concen: 4.747 ug/l
RT: 1.63 min Scan# 143
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

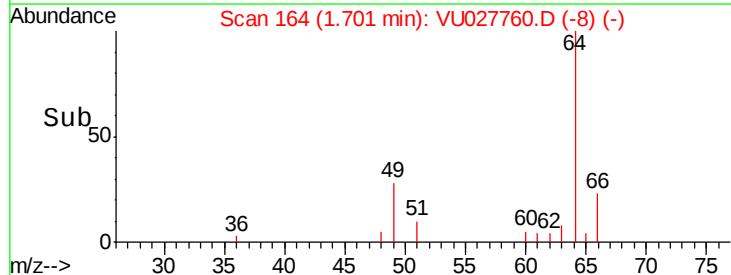
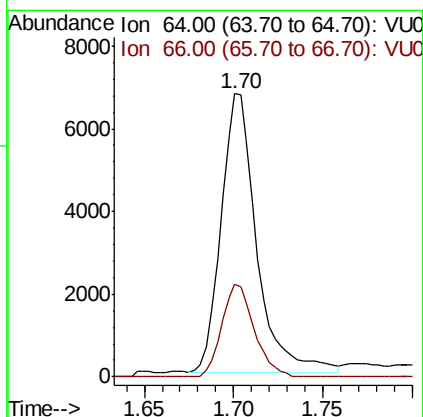
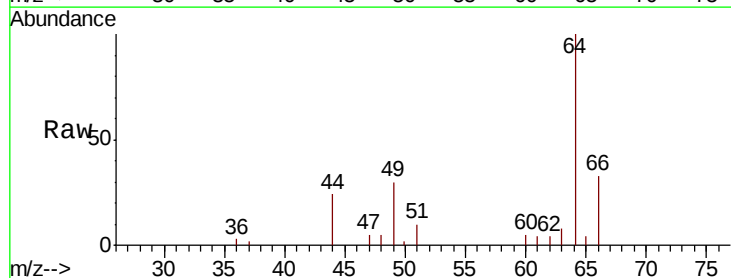
Instrument :
MSVOA_U
ClientSampled :

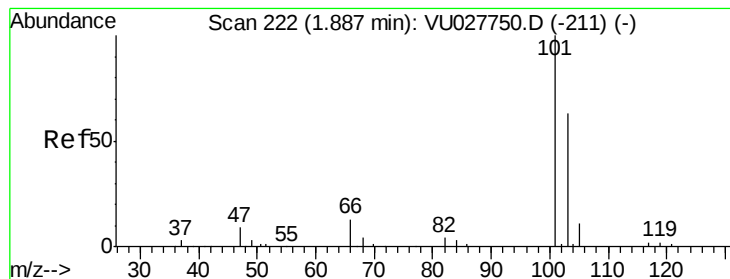
Tot Ion: 94 Resp: 12651
Ion Ratio Lower Upper
94 100
96 90.6 74.2 111.4



#6
Chloroethane
Concen: 3.362 ug/l
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 64 Resp: 9236
Ion Ratio Lower Upper
64 100
66 33.3 24.3 36.5



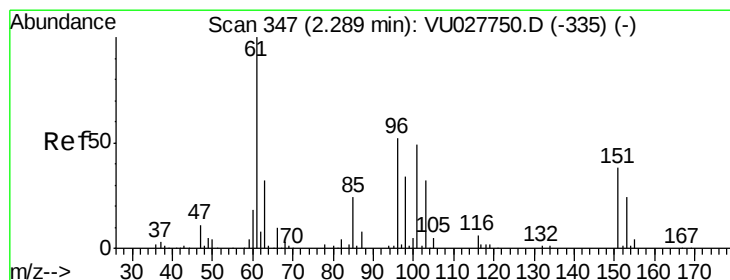
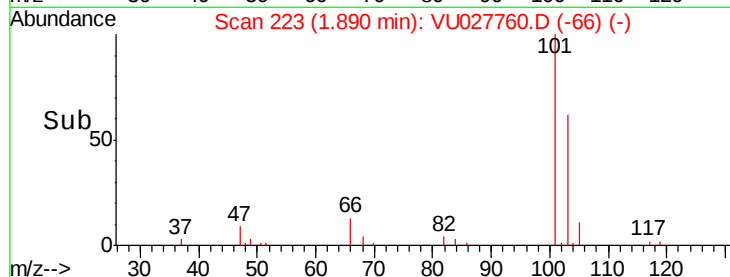
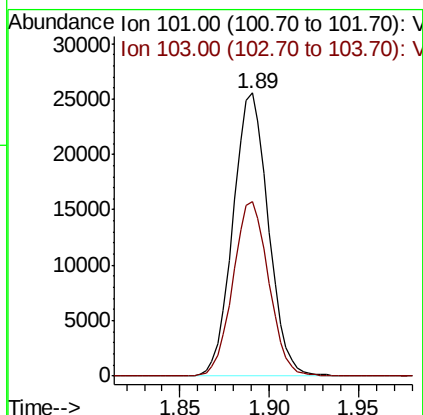
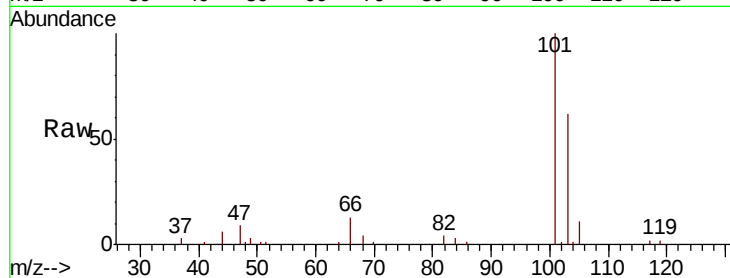


#7

Trichlorofluoromethane
Concen: 5.691 ug/l
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_U
ClientSampled :

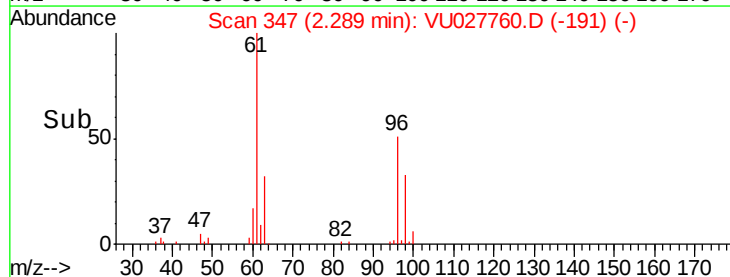
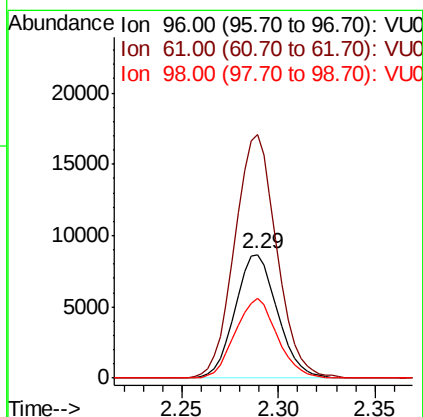
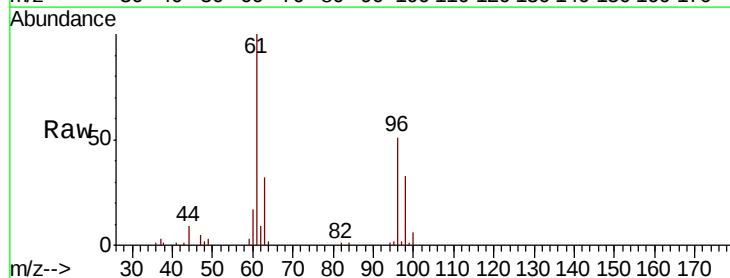
Tot Ion:101 Resp: 35143
Ion Ratio Lower Upper
101 100
103 61.7 50.2 75.2

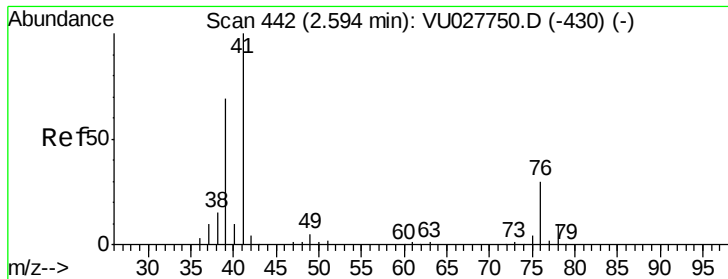


#9

1,1-Dichloroethene
Concen: 4.639 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 96 Resp: 13228
Ion Ratio Lower Upper
96 100
61 196.6 0.0 581.4
98 64.0 0.0 131.2

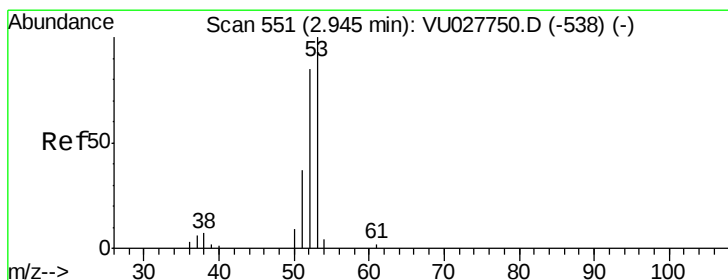
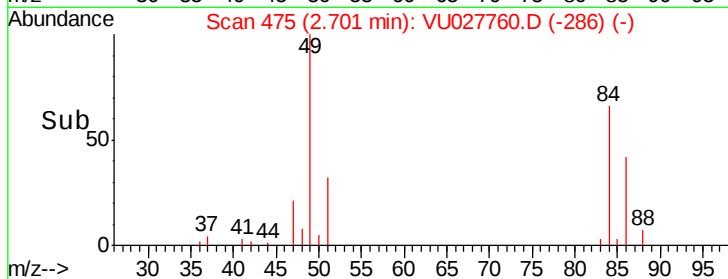
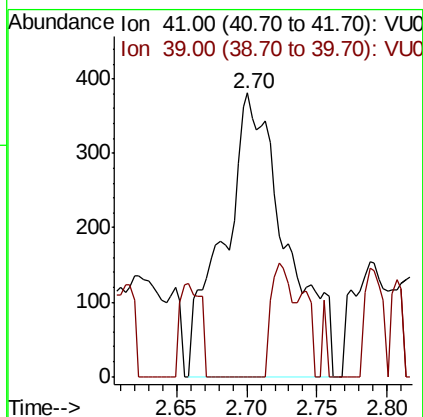
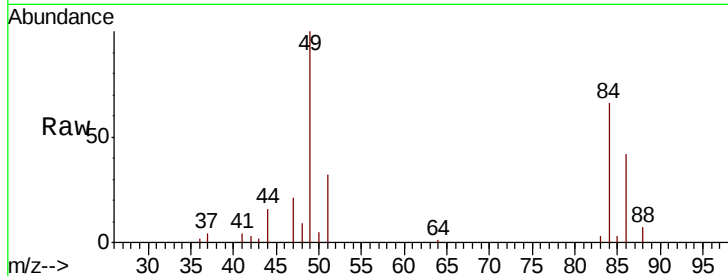




#11
Allvl Chloride
Concen: 0.175 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.11 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

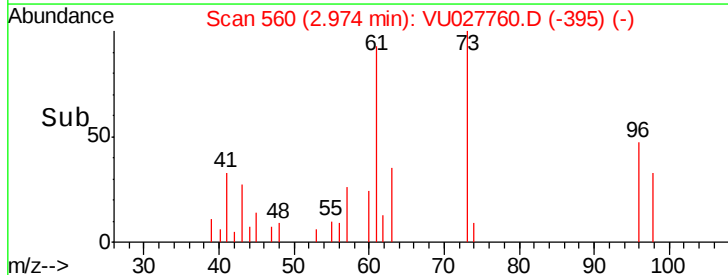
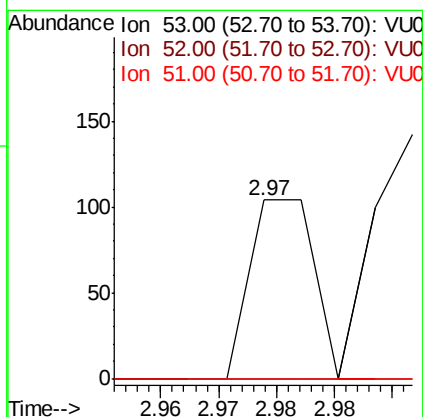
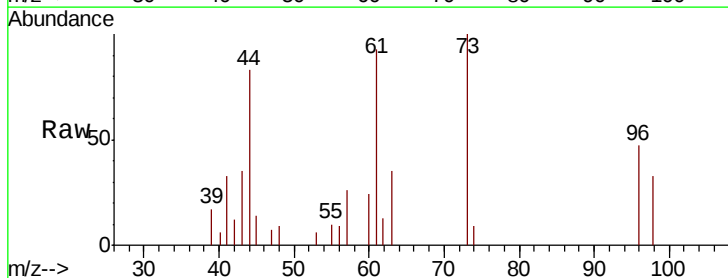
Instrument :
MSVOA_U
ClientSampleId :

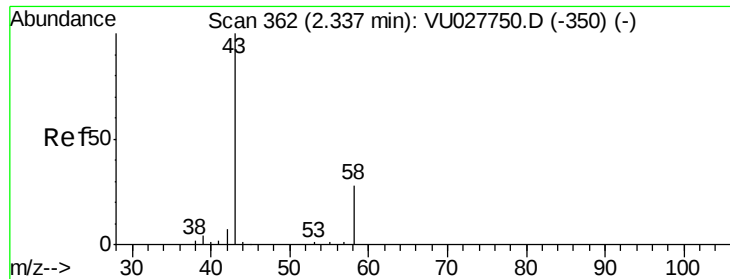
Tot Ion: 41 Resp: 1180
Ion Ratio Lower Upper
41 100
39 0.0 55.4 83.0#



#12
Acrylonitrile
Concen: 0.046 ug/l
RT: 2.97 min Scan# 560
Delta R.T. 0.03 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 53 Resp: 40
Ion Ratio Lower Upper
53 100
52 0.0 67.9 101.9#
51 0.0 30.0 45.0#





#13

Acetone

Concen: 0.535 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

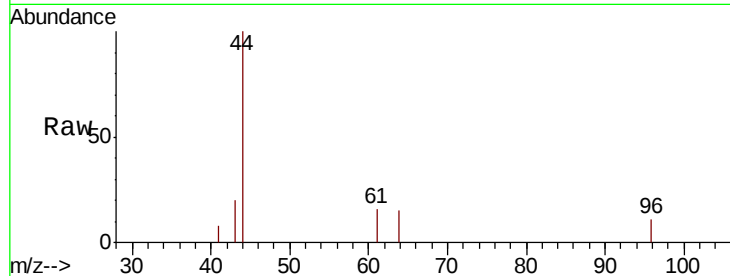
ClientSampled :

Tot Ion: 43 Resp: 424

Ion Ratio Lower Upper

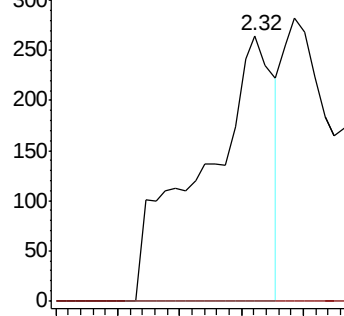
43 100

58 0.0 22.3 33.5#

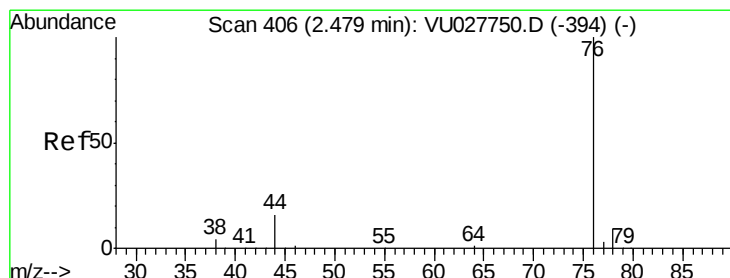
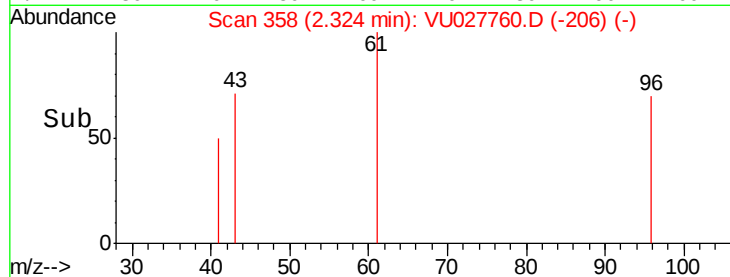


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#14

Carbon Disulfide

Concen: 0.010 ug/l

RT: 2.49 min Scan# 408

Delta R.T. 0.01 min

Lab File: VU027760.D

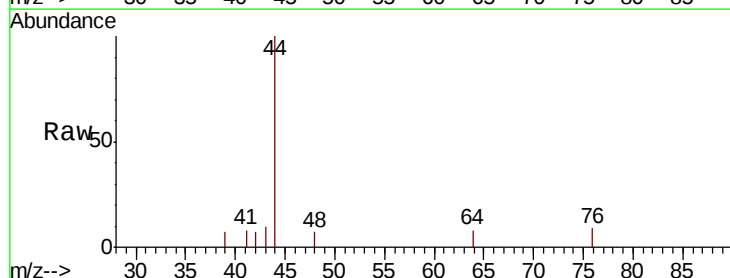
Acq: 23 Oct 2018 12:58

Tgt Ion: 76 Resp: 108

Ion Ratio Lower Upper

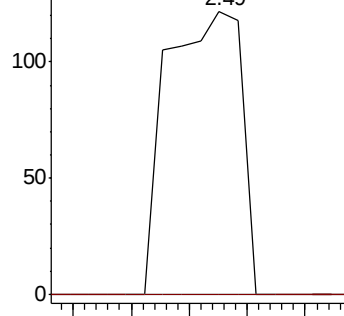
76 100

78 0.0 7.1 10.7#

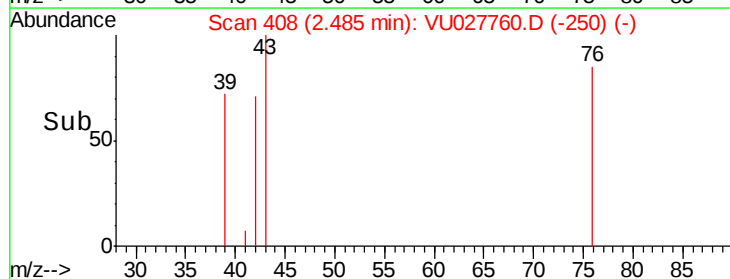


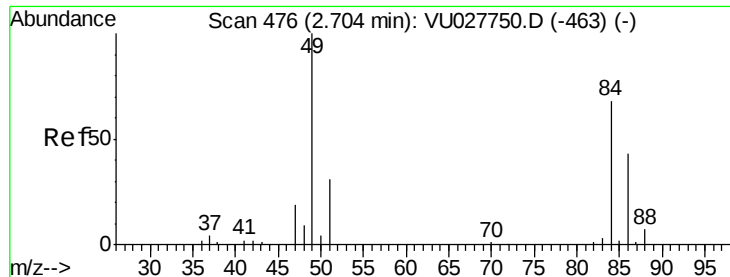
Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



Time-->

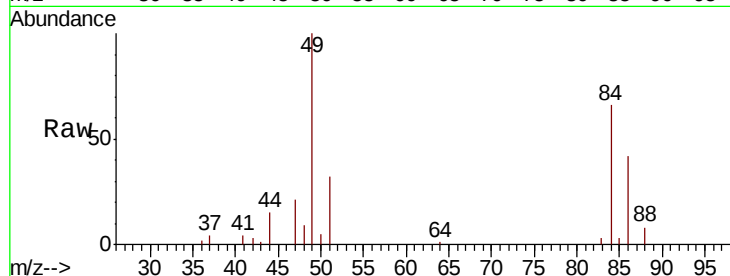




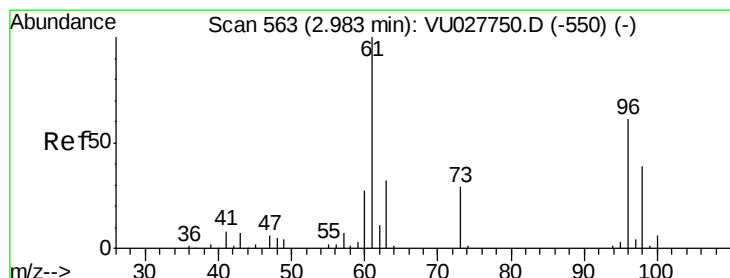
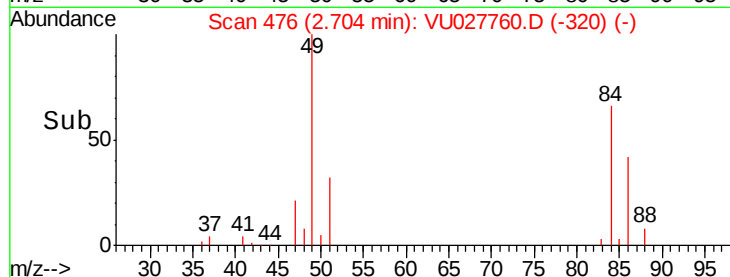
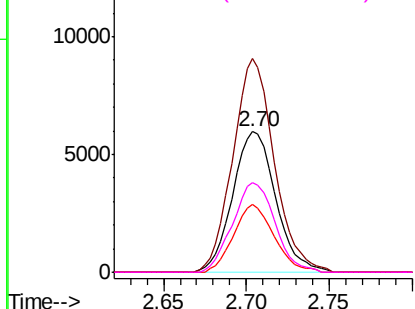
#15
Methvlene Chloride
Concen: 3.010 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 10816
Ion Ratio Lower Upper
84 100
49 152.3 118.5 177.7
51 48.5 0.0 91.0
86 63.8 50.7 76.1

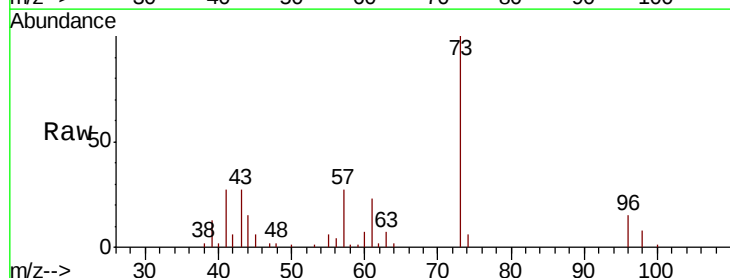


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

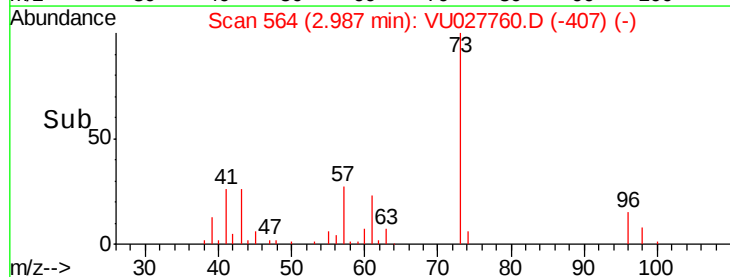
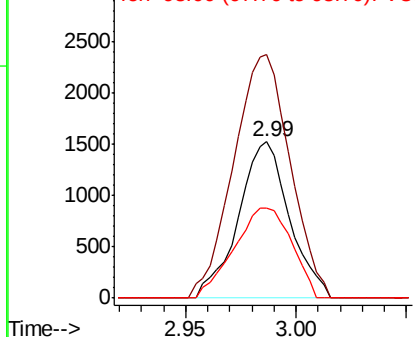


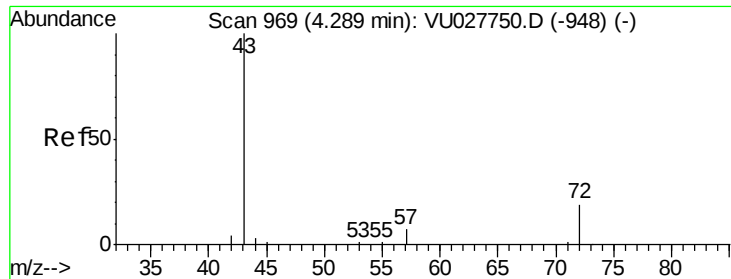
#16
trans-1,2-Dichloroethene
Concen: 0.772 ug/l
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 96 Resp: 2449
Ion Ratio Lower Upper
96 100
61 155.9 131.8 197.6
98 57.8 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

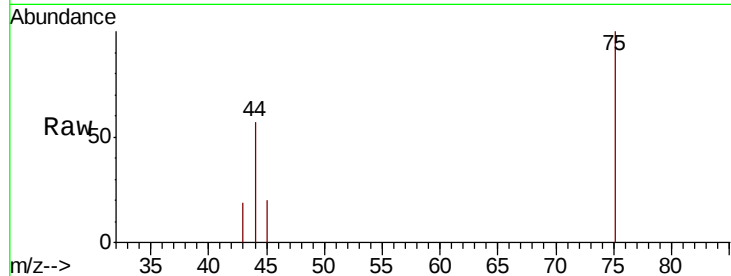




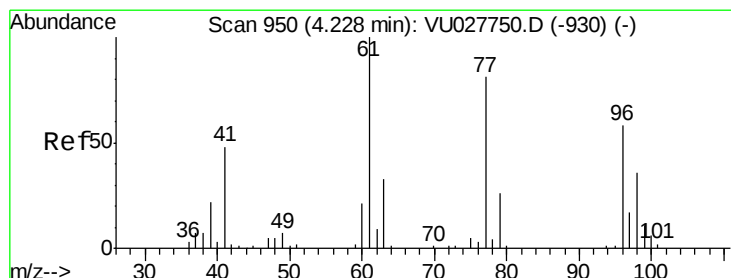
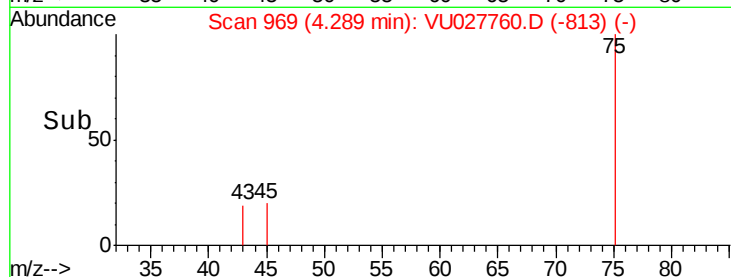
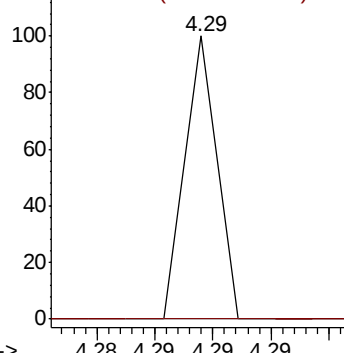
#18
 2-Butanone
 Concen: 0.014 ug/l
 RT: 4.29 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 19
 Ion Ratio Lower Upper
 43 100
 57 0.0 0.0 14.4

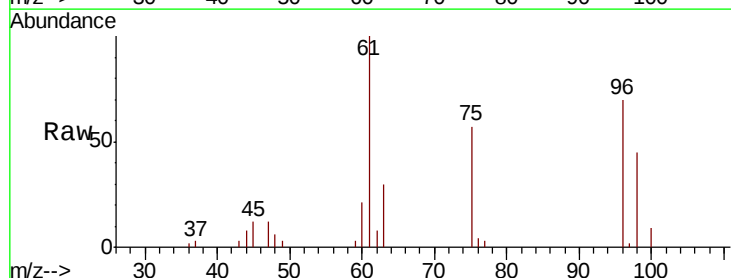


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

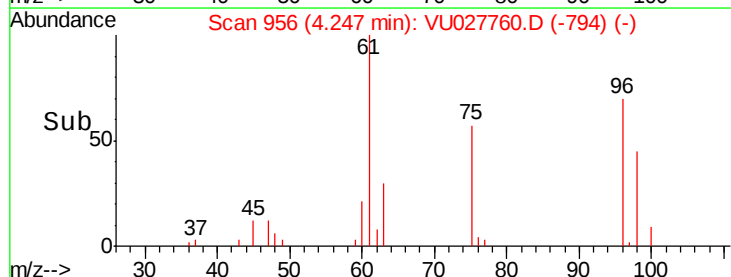
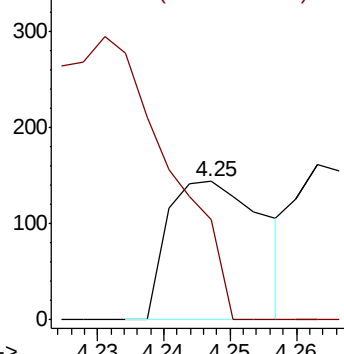


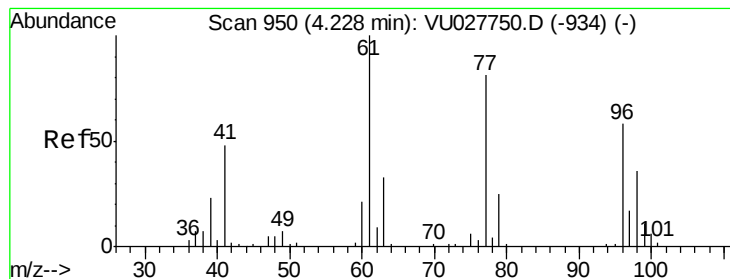
#21
 2,2-Dichloropropane
 Concen: 0.023 ug/l
 RT: 4.25 min Scan# 956
 Delta R.T. 0.02 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 77 Resp: 144
 Ion Ratio Lower Upper
 77 100
 97 350.7 16.9 25.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0



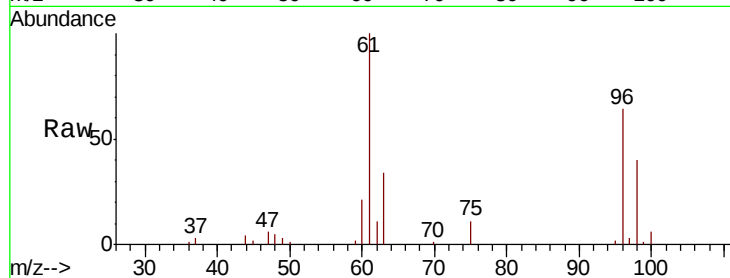


#22

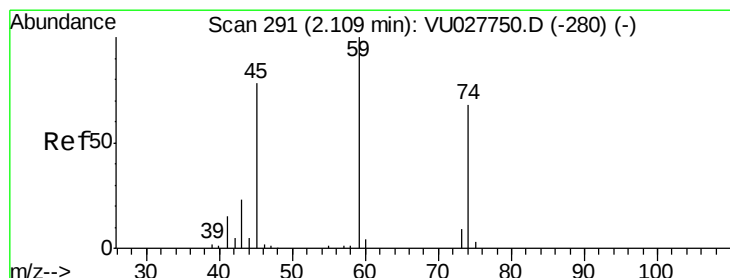
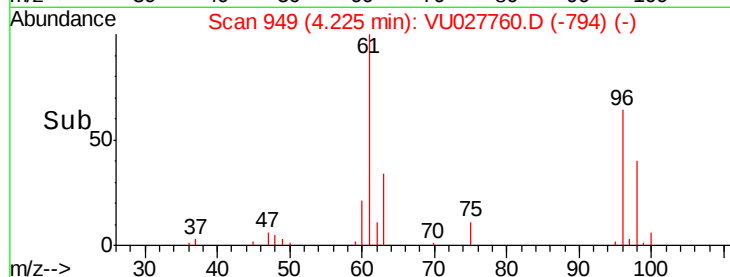
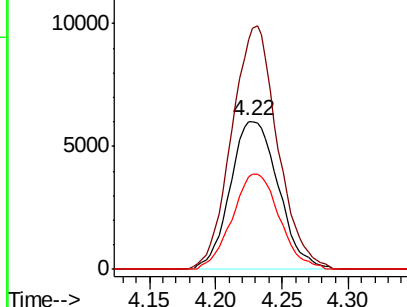
cis-1,2-Dichloroethene
Concen: 4.006 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 15222
Ion Ratio Lower Upper
96 100
61 156.2 0.0 444.0
98 63.0 31.9 95.5



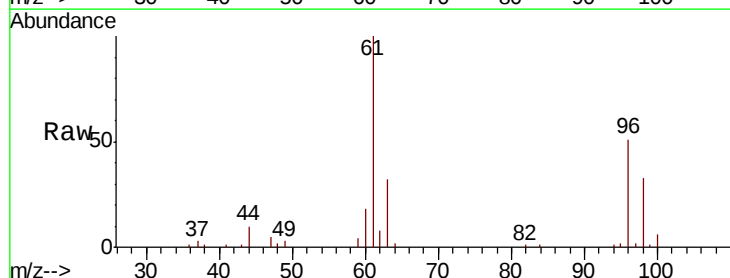
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



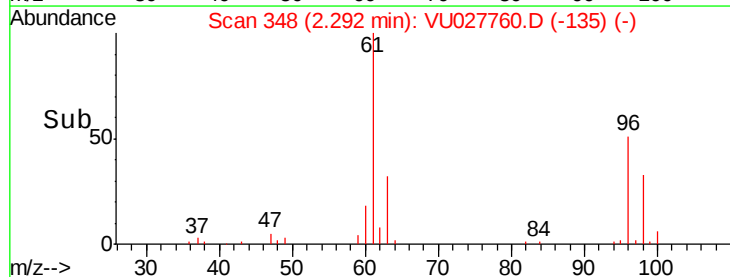
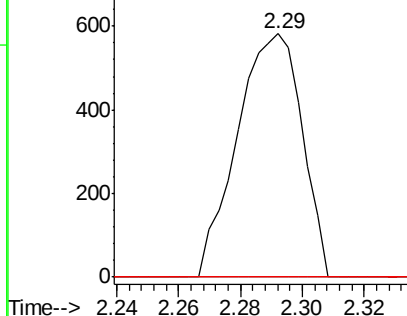
#23

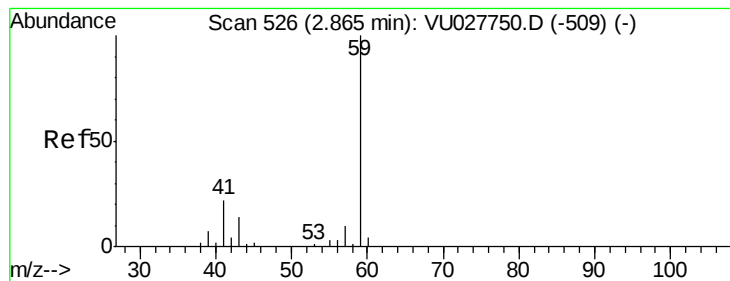
Diethyl Ether
Concen: 0.313 ug/l
RT: 2.29 min Scan# 348
Delta R.T. 0.18 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
45 9.7 64.6 96.8#
74 0.0 54.8 82.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



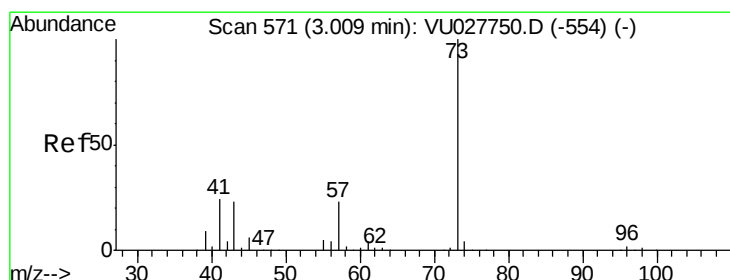
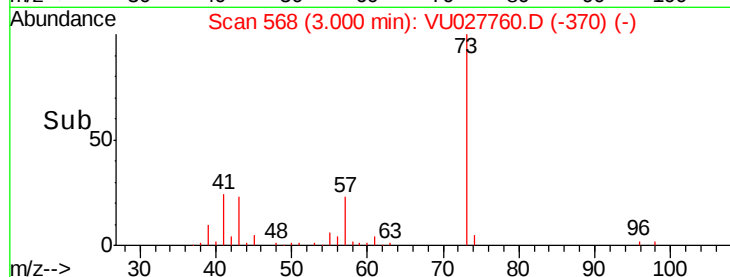
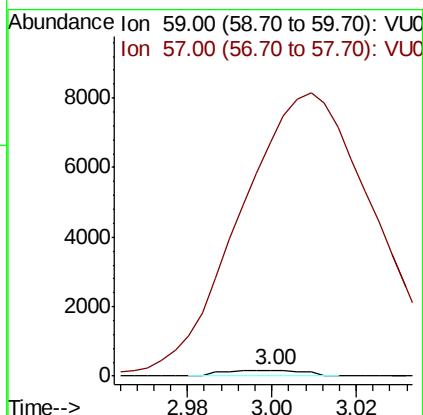
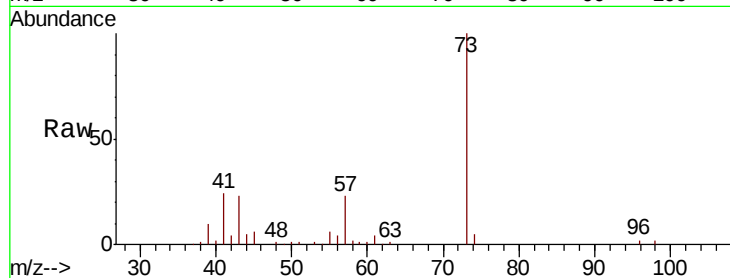


#24

tert-Butyl Alcohol
 Concen: 0.743 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.14 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampleId :

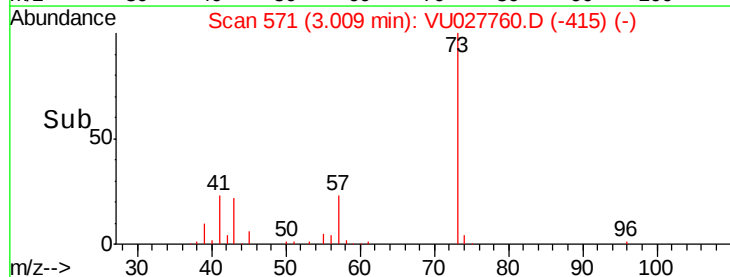
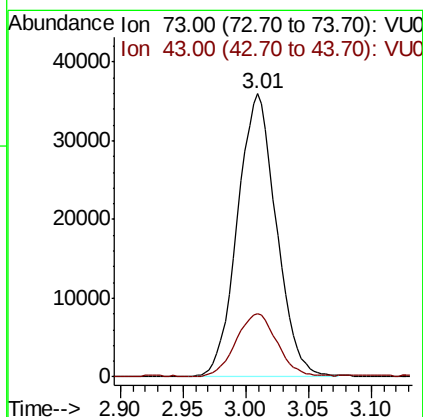
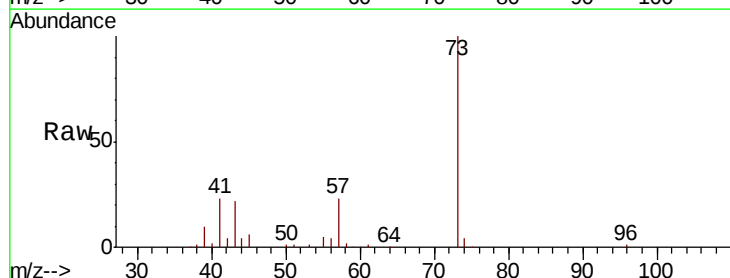
Tot Ion: 59 Resp: 215
 Ion Ratio Lower Upper
 59 100
 57 8539.1 4.4 6.6#

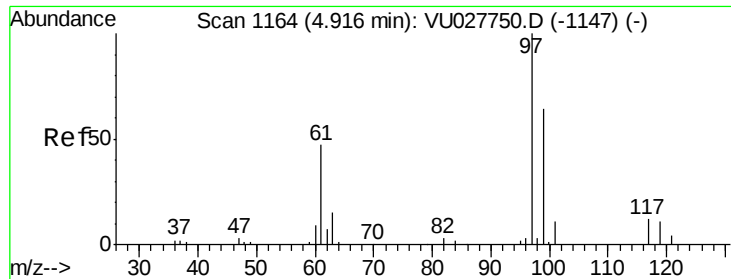


#25

Methyl tert-Butyl Ether
 Concen: 8.550 ug/l
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 73 Resp: 77626
 Ion Ratio Lower Upper
 73 100
 43 23.0 18.6 27.8

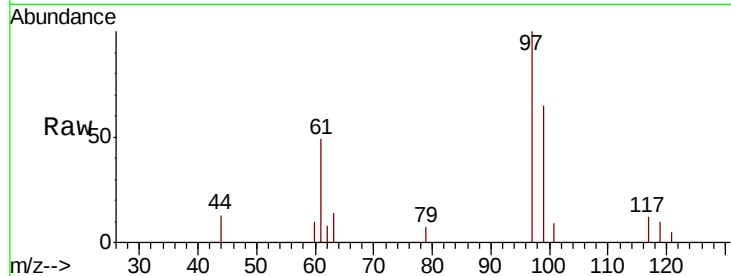




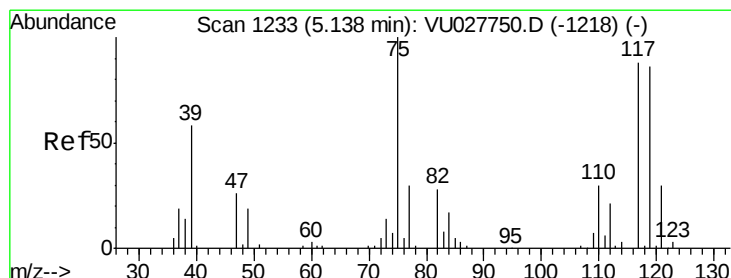
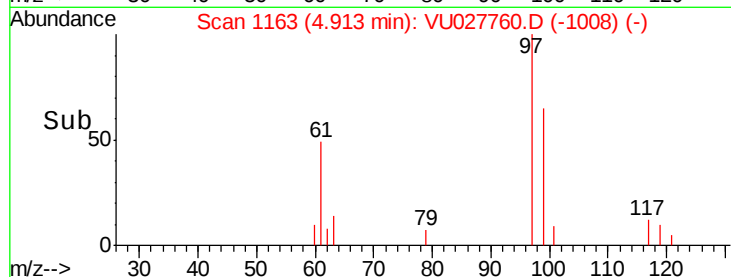
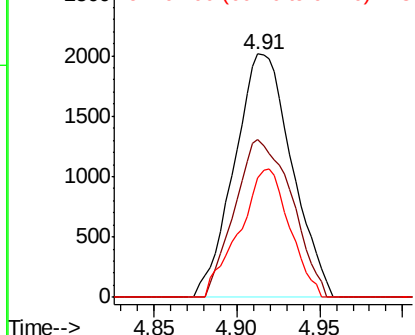
#28
 1,1,1-Trichloroethane
 Concen: 0.799 ug/l
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 4853
 Ion Ratio Lower Upper
 97 100
 99 64.5 31.8 95.4
 61 45.9 23.6 70.8

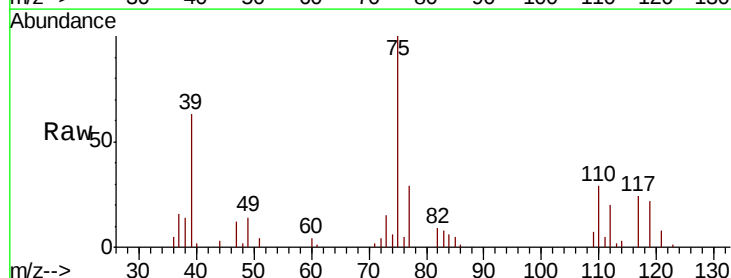


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0

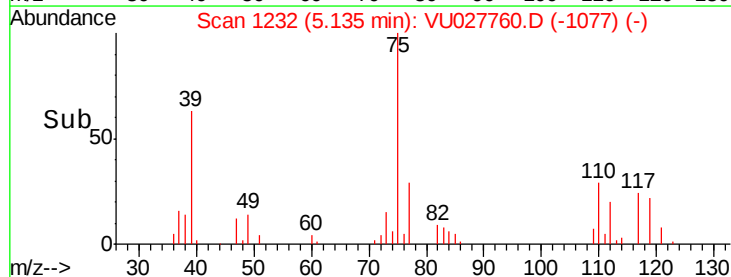
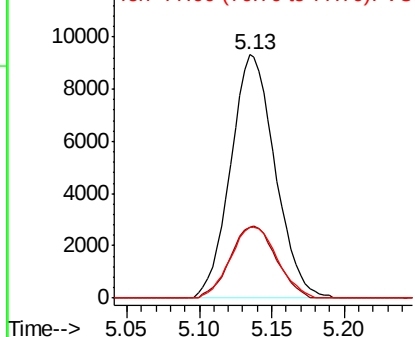


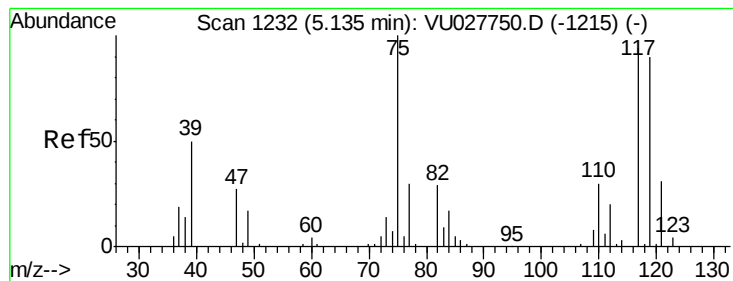
#29
 1,1-Dichloropropene
 Concen: 3.744 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 19848
 Ion Ratio Lower Upper
 75 100
 110 30.3 15.6 46.8
 77 30.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0





#30

Carbon Tetrachloride

Concen: 0.924 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

ClientSampled :

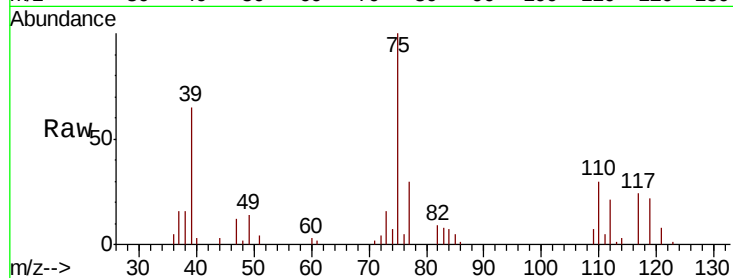
Tot Ion:117 Resp: 5012

Ion Ratio Lower Upper

117 100

119 92.0 76.2 114.4

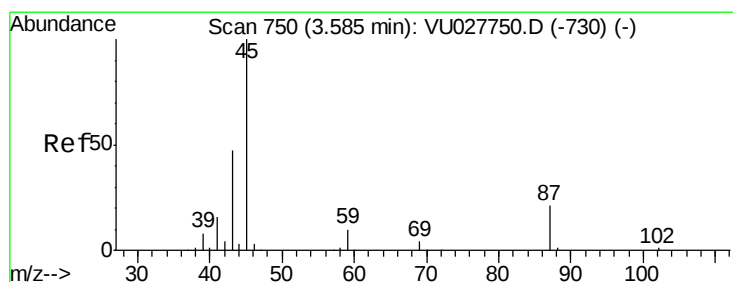
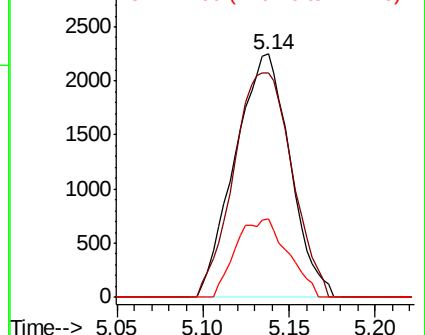
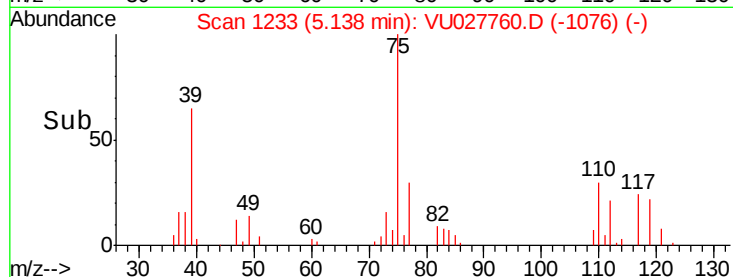
121 32.2 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#31

Isopropyl Ether

Concen: 0.002 ug/l

RT: 3.35 min Scan# 677

Delta R.T. -0.23 min

Lab File: VU027760.D

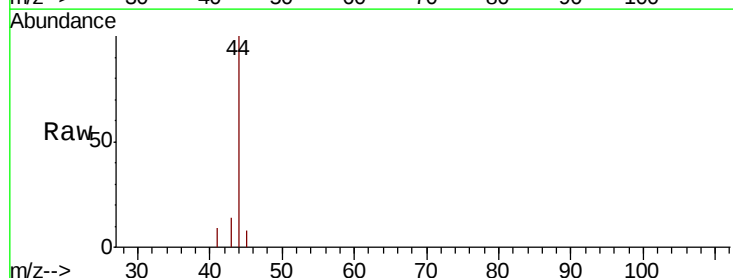
Acq: 23 Oct 2018 12:58

Tgt Ion: 45 Resp: 20

Ion Ratio Lower Upper

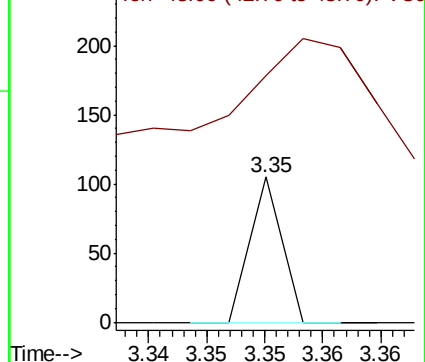
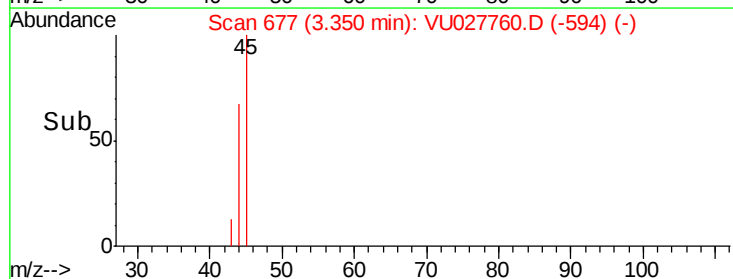
45 100

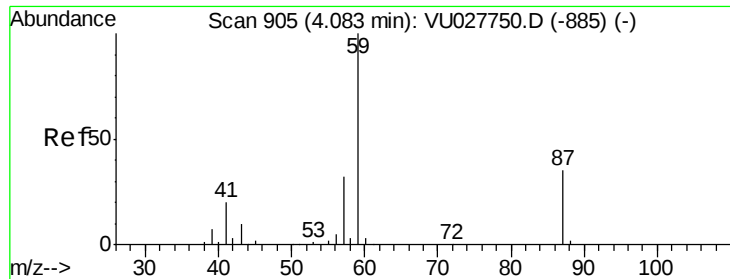
43 385.0 24.5 73.5#



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





#32

Ethyl-t-butyl ether

Concen: 0.019 ug/l

RT: 4.22 min Scan# 947

Delta R.T. 0.14 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

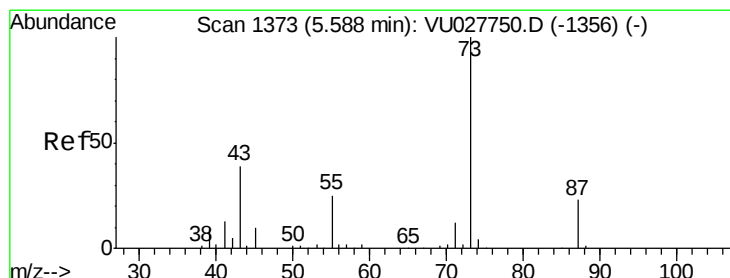
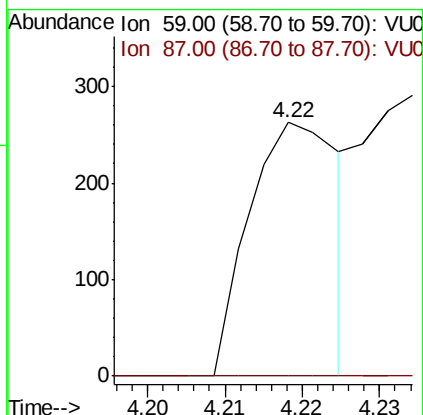
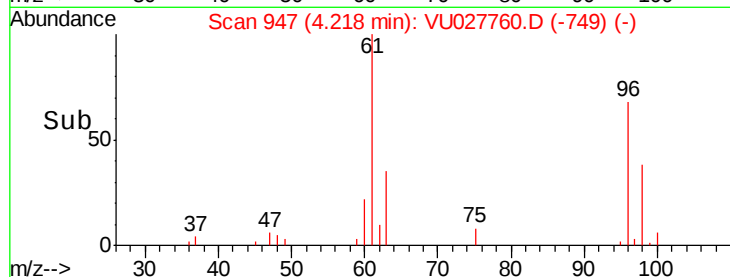
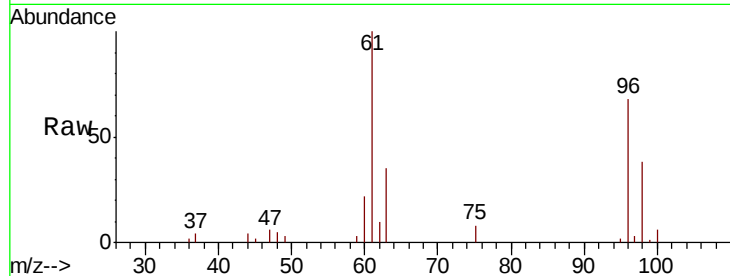
ClientSampleId :

Tot Ion: 59 Resp: 212

Ion Ratio Lower Upper

59 100

87 0.0 29.4 44.0#



#33

Tert-Amyl methyl ether

Concen: 0.007 ug/l

RT: 5.75 min Scan# 1423

Delta R.T. 0.16 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

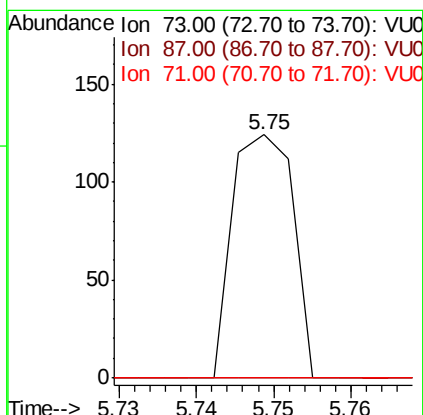
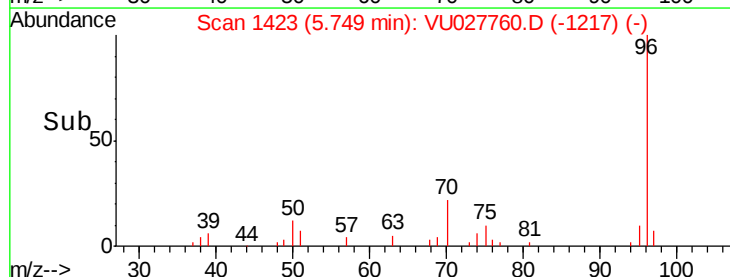
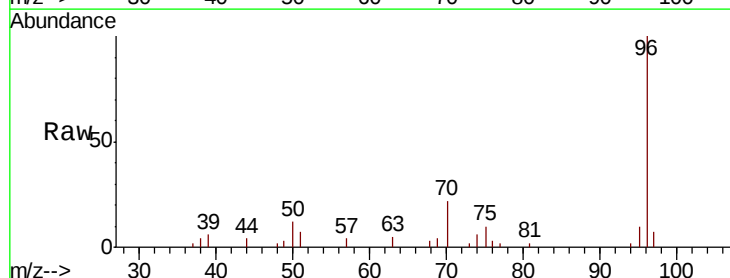
Tgt Ion: 73 Resp: 68

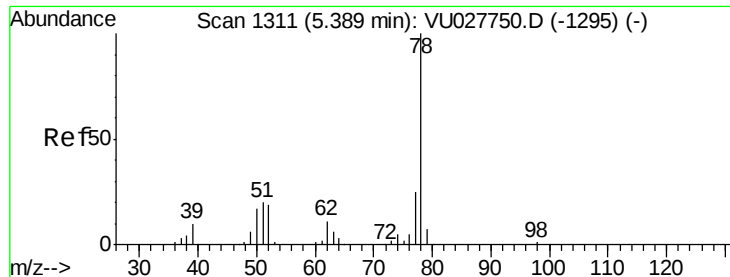
Ion Ratio Lower Upper

73 100

87 0.0 18.5 27.7#

71 0.0 9.1 13.7#





#35

Benzene

Concen: 0.003 ug/l

RT: 5.14 min Scan# 1235

Delta R.T. -0.24 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

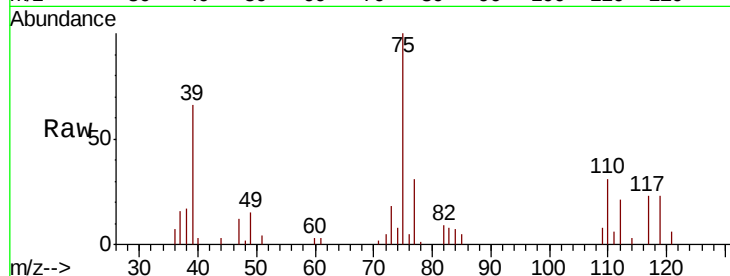
ClientSampled :

Tot Ion: 78 Resp: 42

Ion Ratio Lower Upper

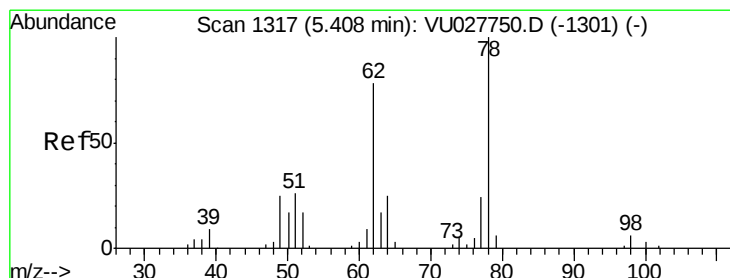
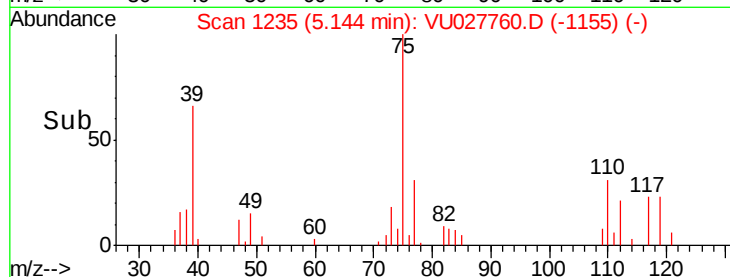
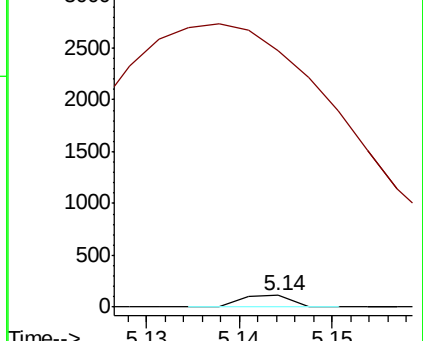
78 100

77 507.9 19.9 29.9#



Abundance Ion 78.10 (77.80 to 78.80): VU027760.D (-1155) (-)

Ion 77.00 (76.70 to 77.70): VU027760.D (-1155) (-)



#36

1,2-Dichloroethane

Concen: 3.999 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU027760.D

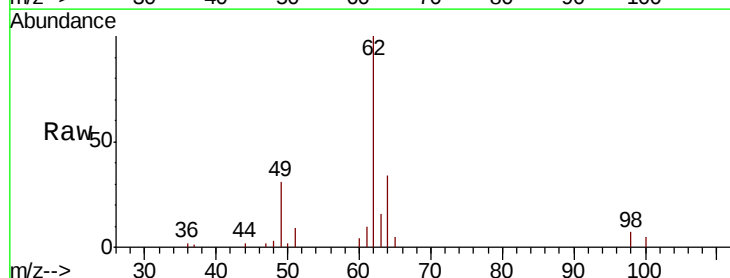
Acq: 23 Oct 2018 12:58

Tgt Ion: 62 Resp: 19718

Ion Ratio Lower Upper

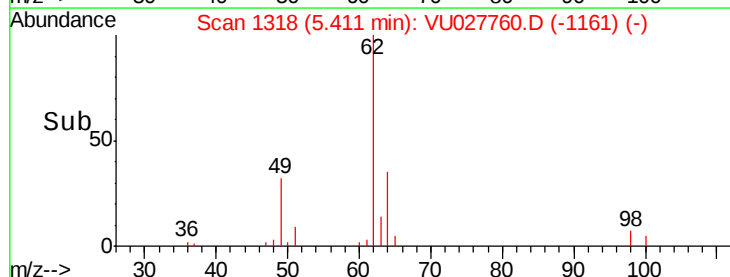
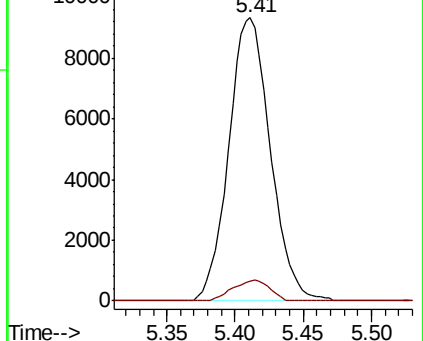
62 100

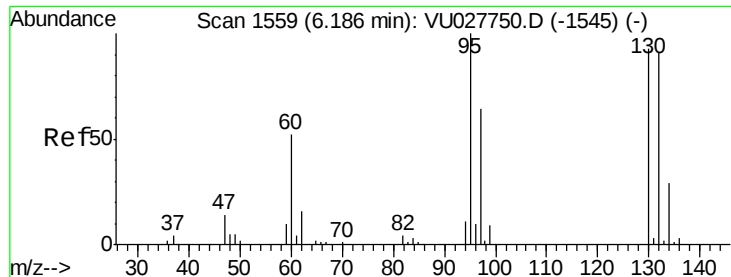
98 6.5 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU027760.D (-1161) (-)

Ion 98.00 (97.70 to 98.70): VU027760.D (-1161) (-)

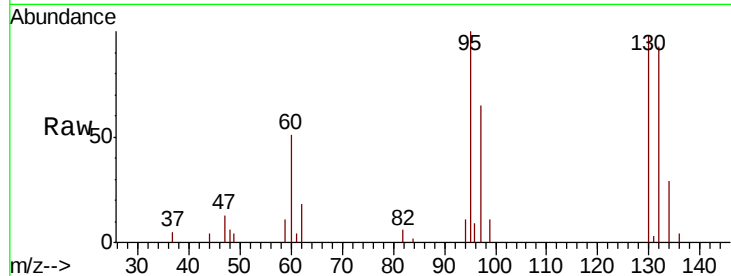




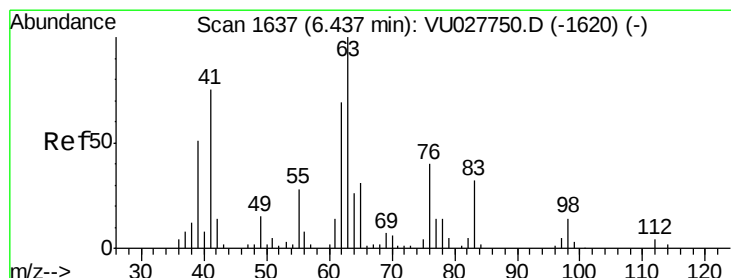
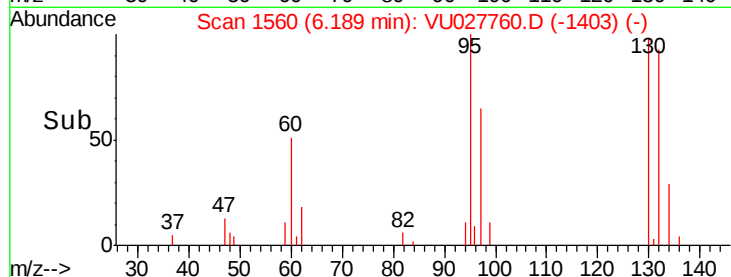
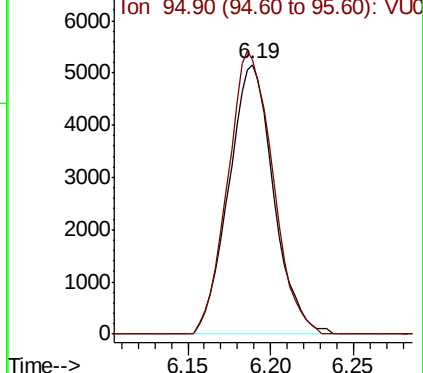
#37
 Trichloroethene
 Concen: 2.648 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:130 Resp: 9680
 Ion Ratio Lower Upper
 130 100
 95 101.6 86.4 129.6

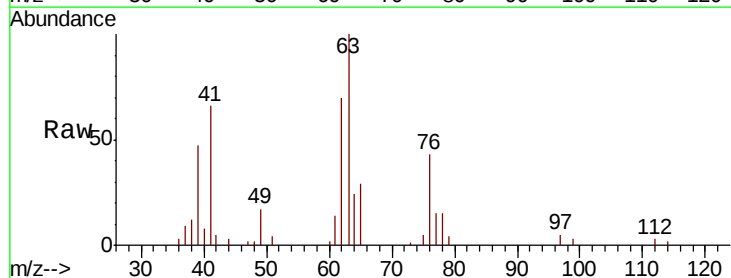


Abundance Ion 129.90 (129.60 to 130.60): VU027760.D (-1545) (-)
 Ion 94.90 (94.60 to 95.60): VU027760.D (-1545) (-)

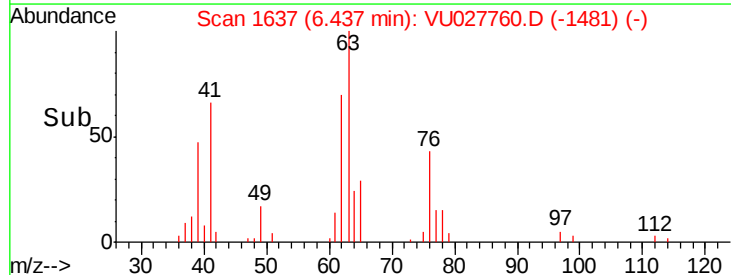
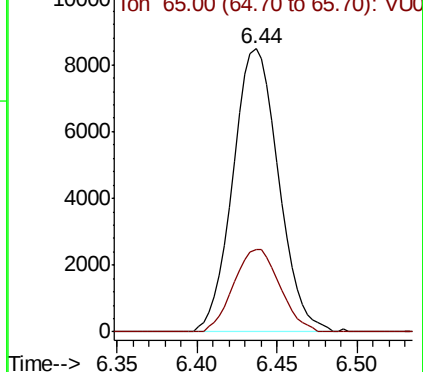


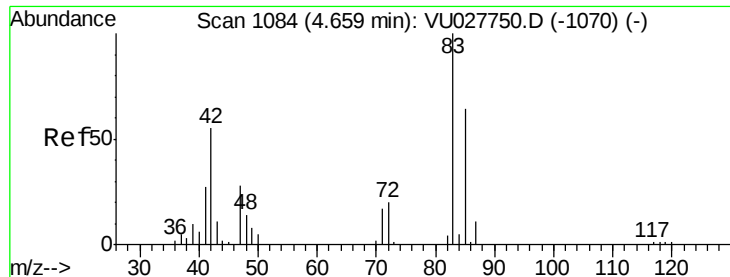
#38
 1,2-Dichloropropane
 Concen: 3.967 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 63 Resp: 16505
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027760.D (-1481) (-)
 Ion 65.00 (64.70 to 65.70): VU027760.D (-1481) (-)





#41

Tetrahydrofuran

Concen: 0.045 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

ClientSampleId :

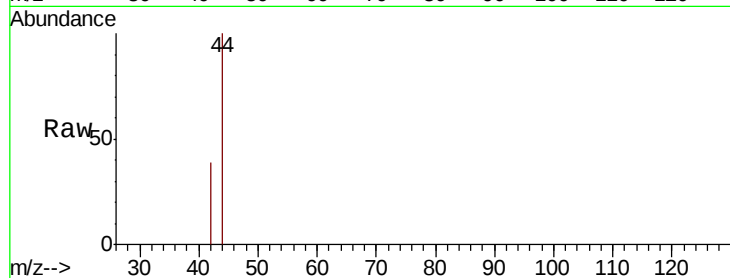
Tot Ion: 42 Resp: 43

Ion Ratio Lower Upper

42 100

72 0.0 30.6 45.8#

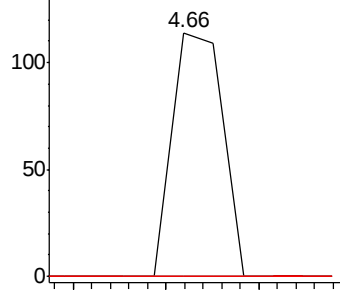
71 0.0 25.2 37.8#



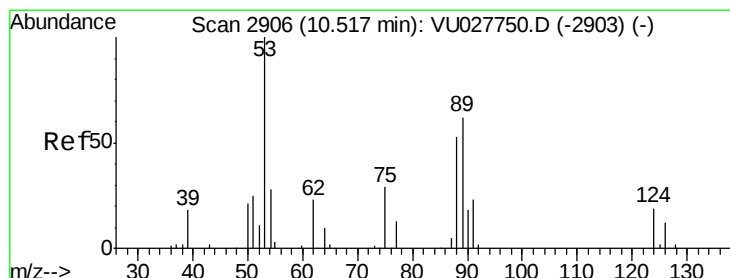
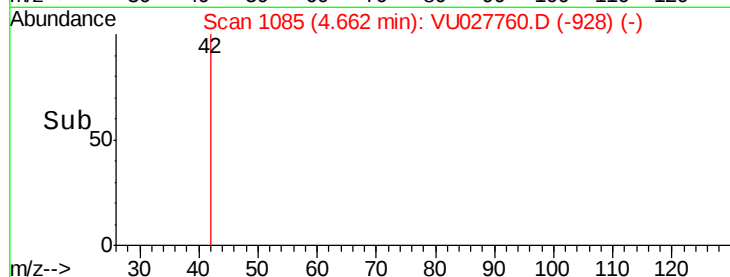
Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



Time-->



#46

t-1,4-Dichloro-2-butene

Concen: 11.291 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 12499

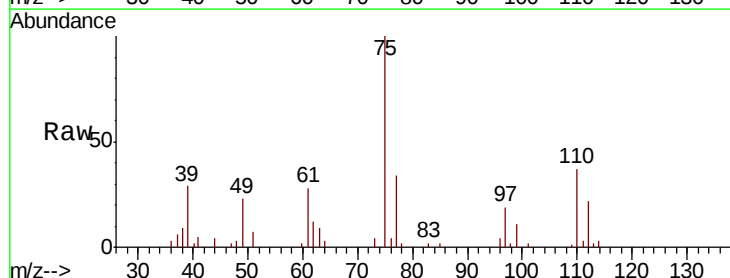
Ion Ratio Lower Upper

75 100

53 0.0 68.2 102.4#

89 0.0 41.8 62.6#

88 0.0 33.8 50.8#

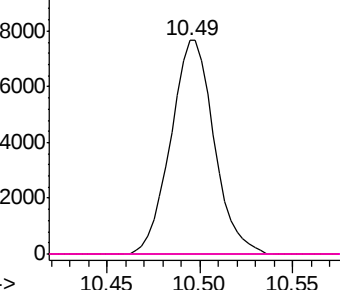


Abundance Ion 74.90 (74.60 to 75.60): VU0

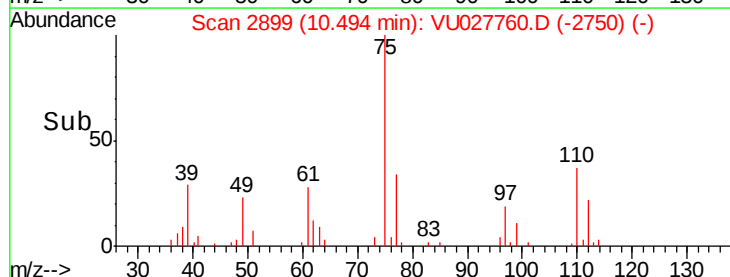
Ion 53.00 (52.70 to 53.70): VU0

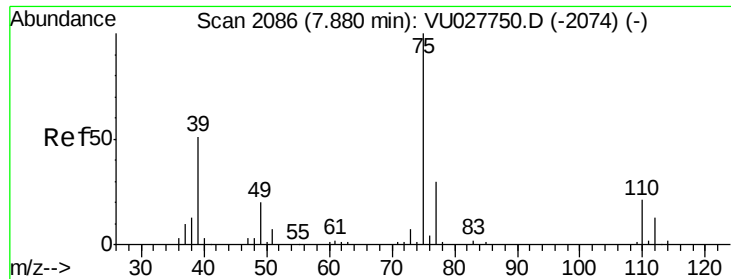
Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0



Time-->





#50

t-1,3-Dichloropropene

Concen: 3.490 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

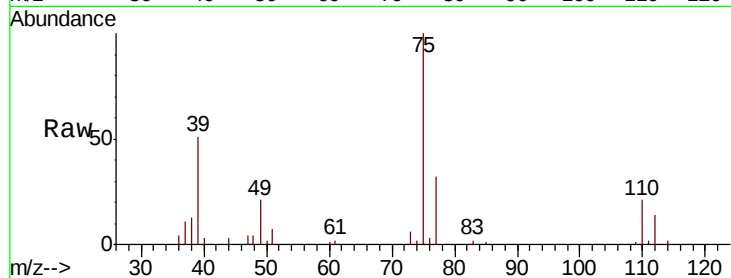
ClientSampleId :

Tot Ion: 75 Resp: 17858

Ion Ratio Lower Upper

75 100

77 31.5 24.1 36.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

12000

10000

8000

6000

4000

2000

0

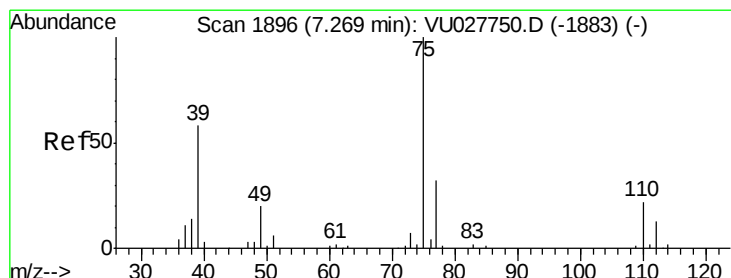
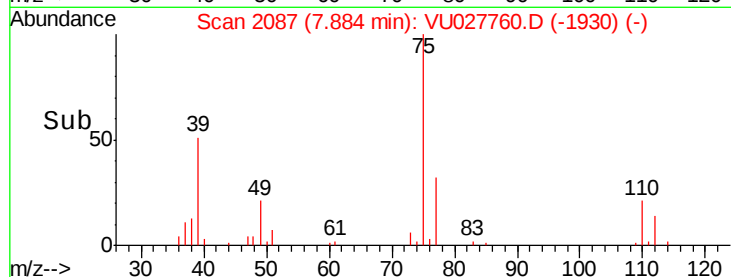
7.88

7.85

7.90

7.95

Time-->



#51

cis-1,3-Dichloropropene

Concen: 2.111 ug/l

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

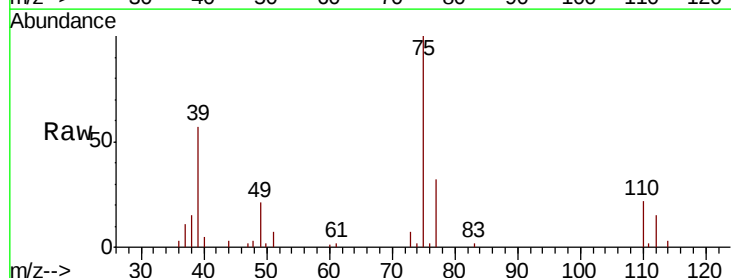
Tgt Ion: 75 Resp: 12724

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 57.0 46.4 69.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

10000

8000

6000

4000

2000

0

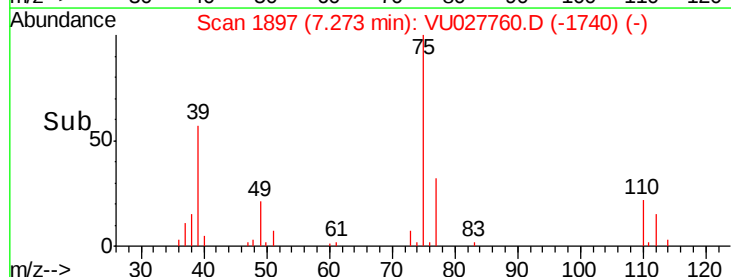
7.27

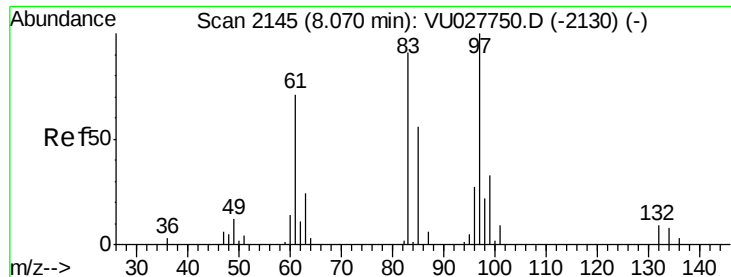
7.25

7.30

7.35

Time-->

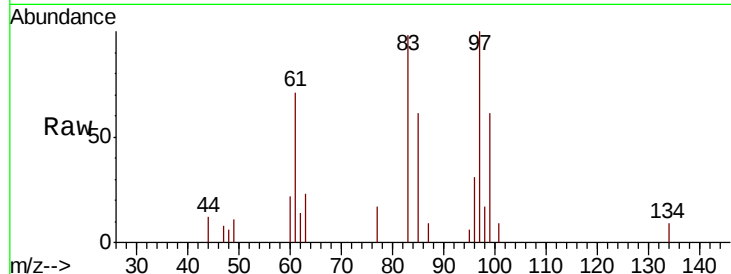




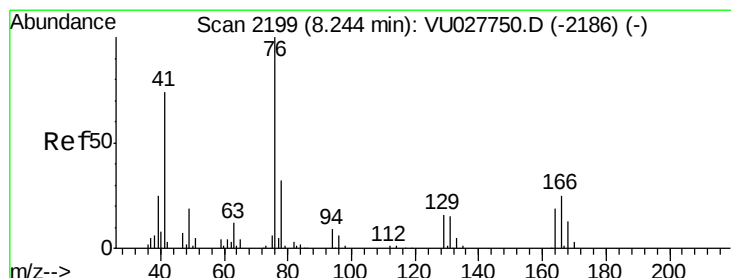
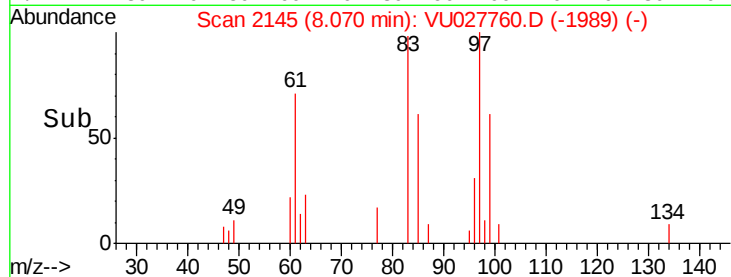
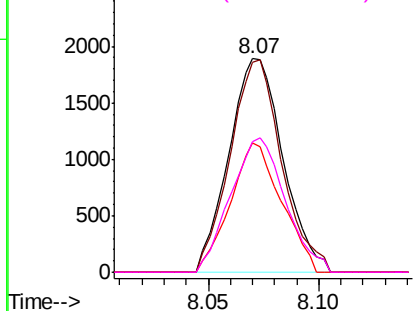
#52
 1,1,2-Trichloroethane
 Concen: 1.259 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	3216
Ion	Ratio	Lower	Upper
97	100		
83	98.5	73.0	109.6
85	60.6	46.5	69.7
99	61.4	49.8	74.8

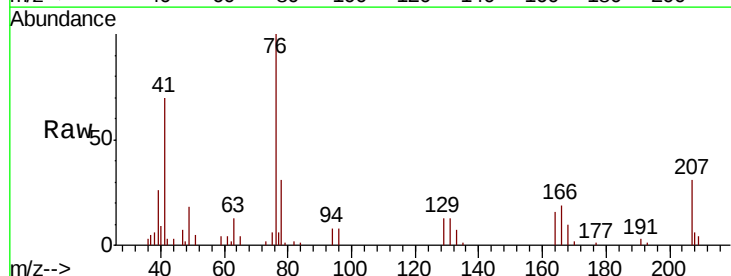


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

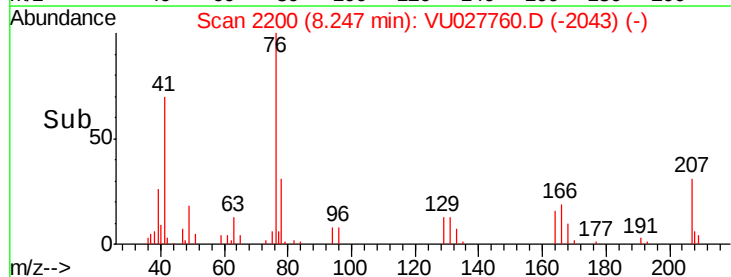
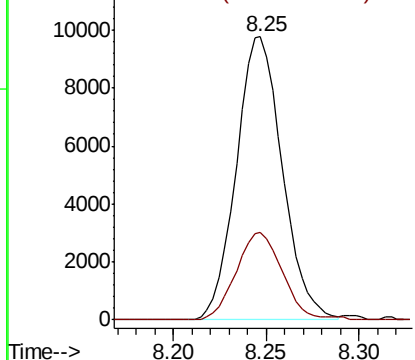


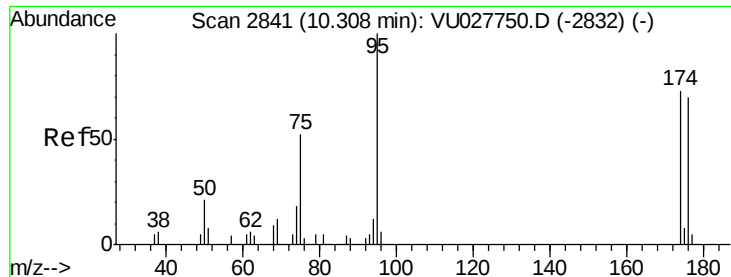
#53
 1,3-Dichloropropane
 Concen: 3.428 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion:	76	Resp:	16825
Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.4	38.0



Abundance Ion 76.00 (75.70 to 76.70): VU0
 Ion 78.00 (77.70 to 78.70): VU0

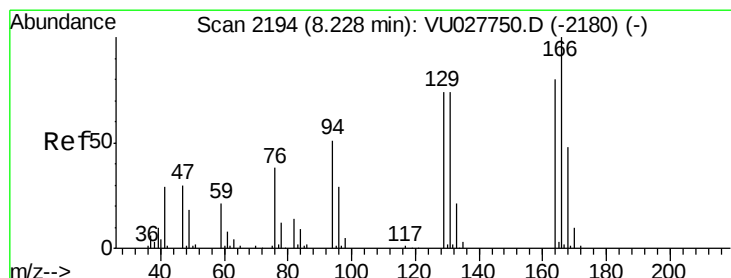
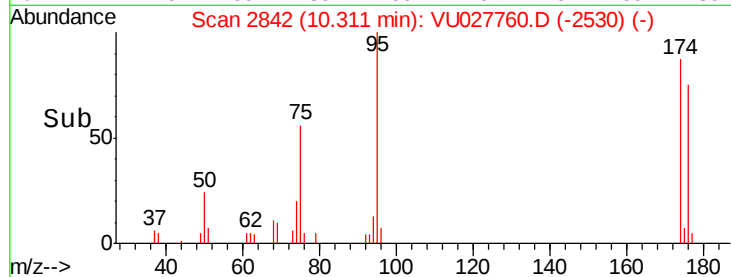
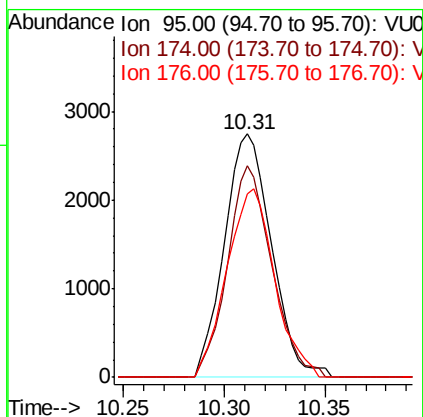
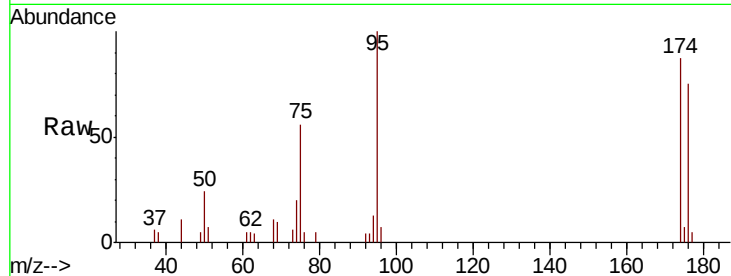




#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

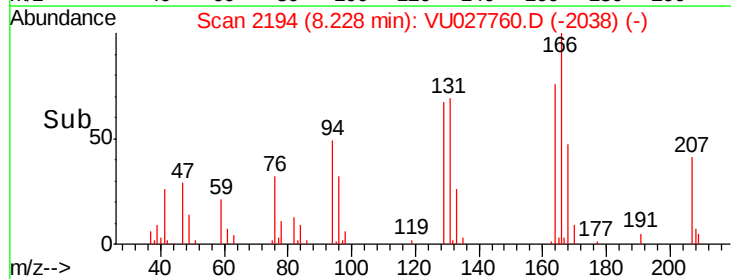
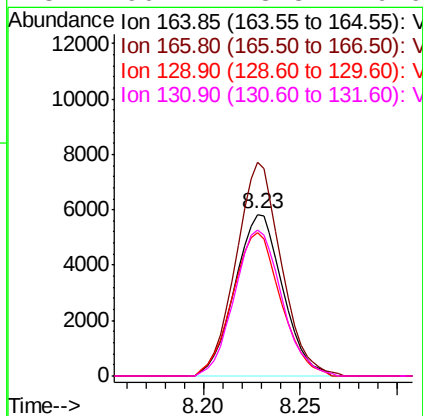
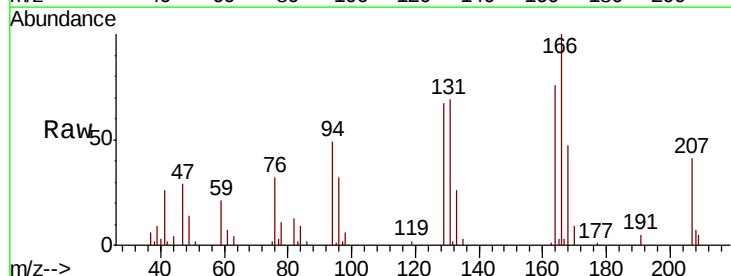
Instrument :
MSVOA_U
ClientSampleId :

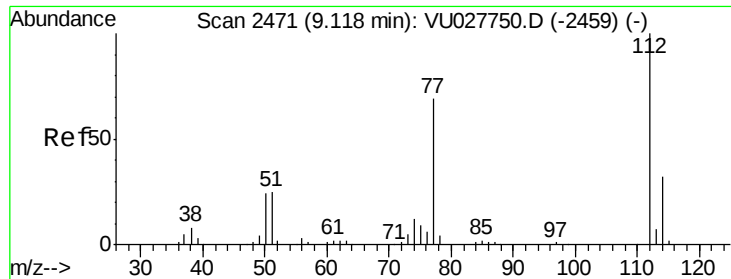
Tot Ion: 95 Resp: 4475
Ion Ratio Lower Upper
95 100
174 82.2 64.5 96.7
176 78.5 58.3 87.5



#58
Tetrachloroethene
Concen: 2.901 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion:164 Resp: 10000
Ion Ratio Lower Upper
164 100
166 132.2 100.2 150.4
129 88.7 73.7 110.5
131 90.7 73.8 110.6

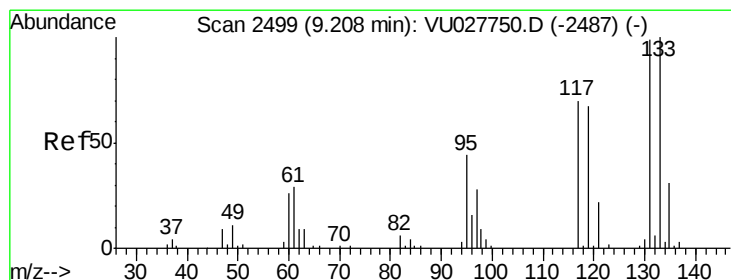
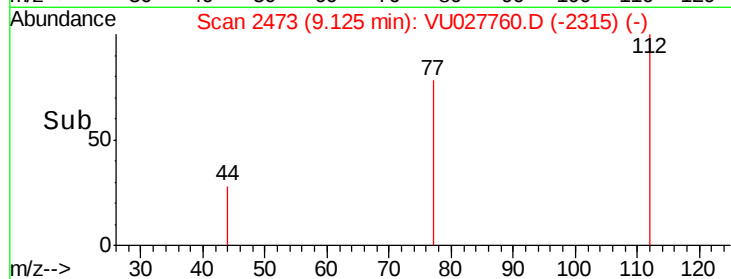
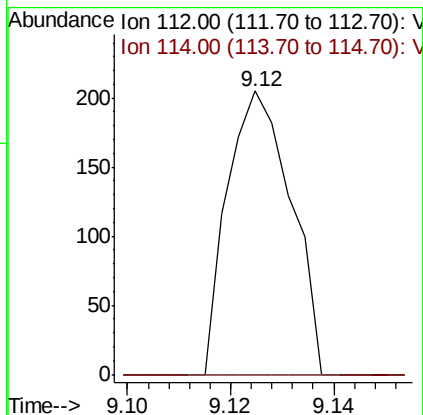
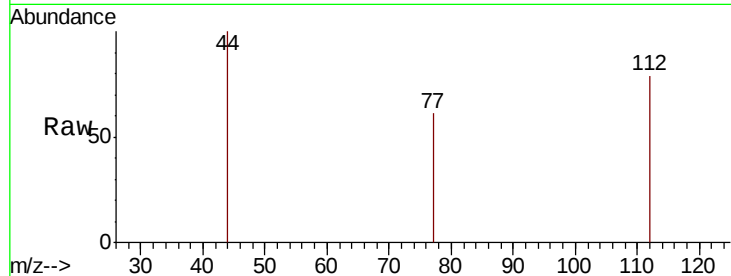




#59
Chlorobenzene
Concen: 0.018 ug/l
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

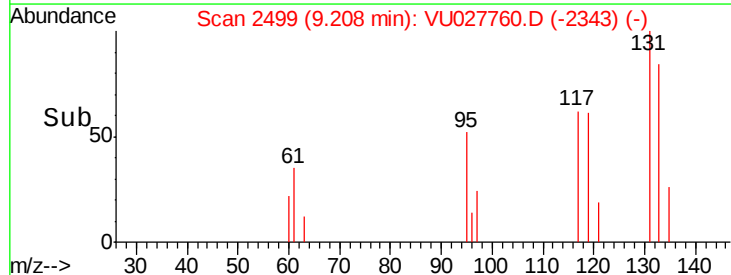
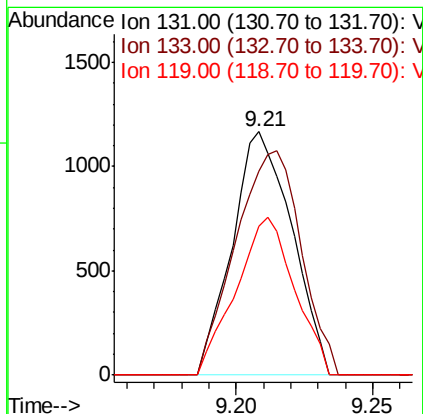
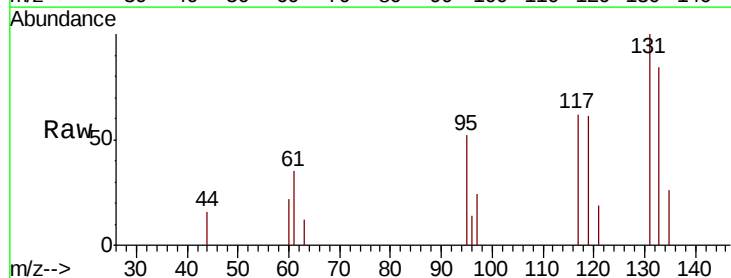
Instrument :
MSVOA_U
ClientSampleId :

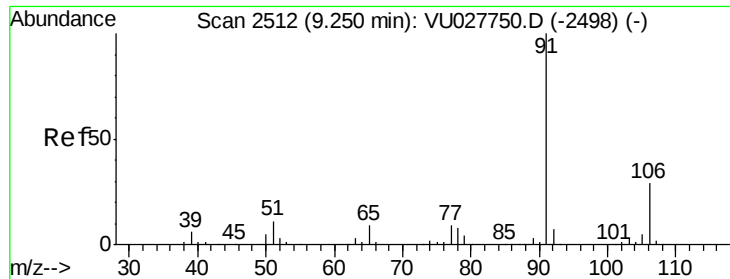
Tot Ion:112 Resp: 174
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.0#



#60
1,1,1,2-Tetrachloroethane
Concen: 0.518 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027760.D
Acq: 23 Oct 2018 12:58

Tgt Ion:131 Resp: 1773
Ion Ratio Lower Upper
131 100
133 101.2 77.5 116.3
119 63.4 52.0 78.0





#63

Ethyl Benzene

Concen: 0.021 ug/l

RT: 9.26 min Scan# 2514

Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

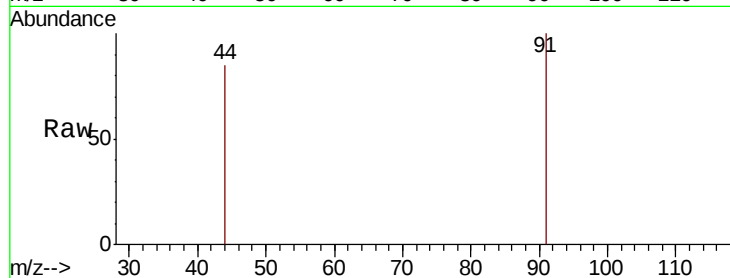
ClientSampleId :

Tot Ion: 91 Resp: 374

Ion Ratio Lower Upper

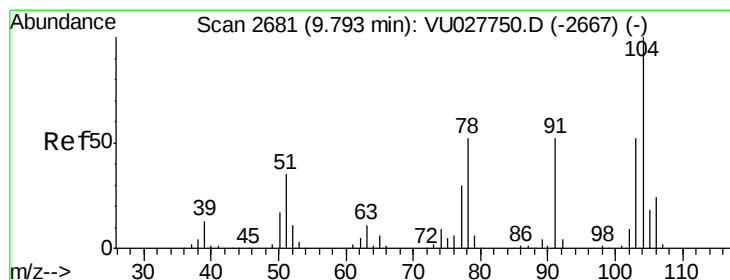
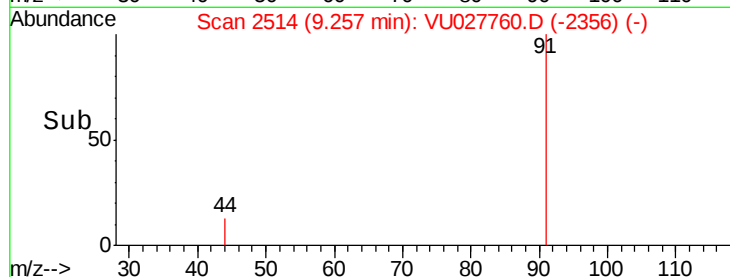
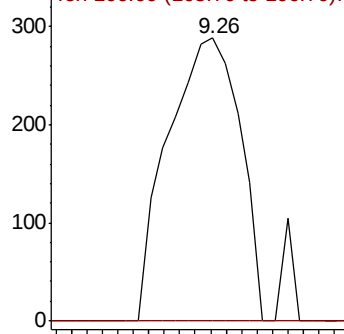
91 100

106 0.0 23.5 35.3#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#66

Styrene

Concen: 0.012 ug/l

RT: 9.80 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

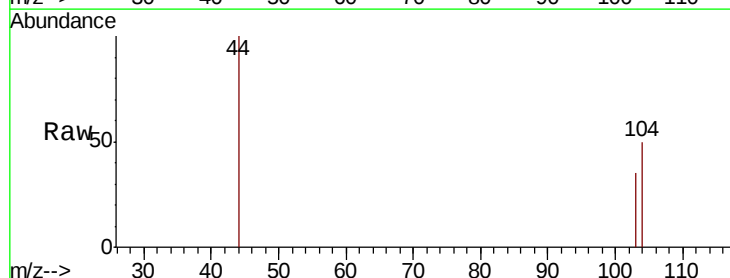
Tgt Ion: 104 Resp: 128

Ion Ratio Lower Upper

104 100

78 0.0 45.2 67.8#

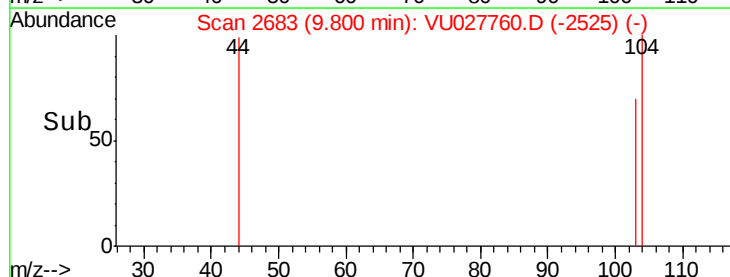
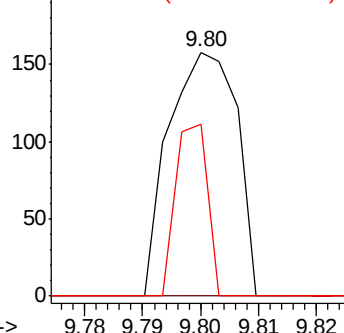
103 32.8 44.8 67.2#

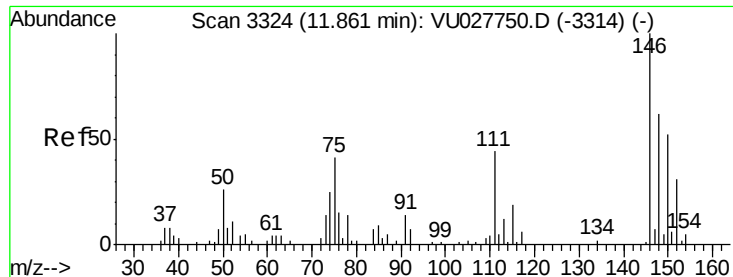


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#68

1,2-Dichlorobenzene-d4

Concen: N.D. ug/l

RT: 11.86 min Scan# 3325

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

ClientSampled :

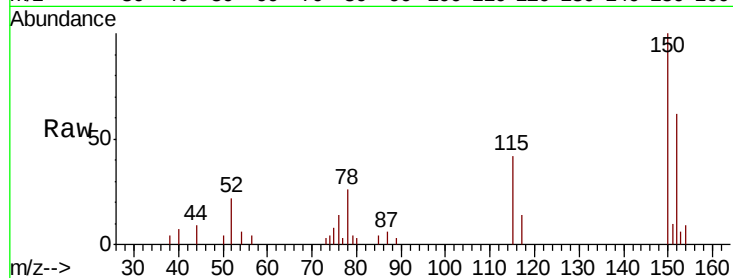
Tot Ion:152 Resp: 4266

Ion Ratio Lower Upper

152 100

115 65.7 0.0 130.2

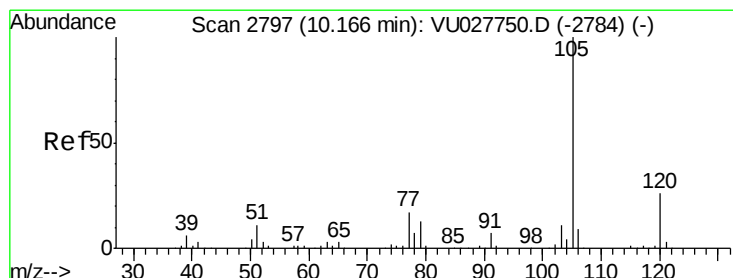
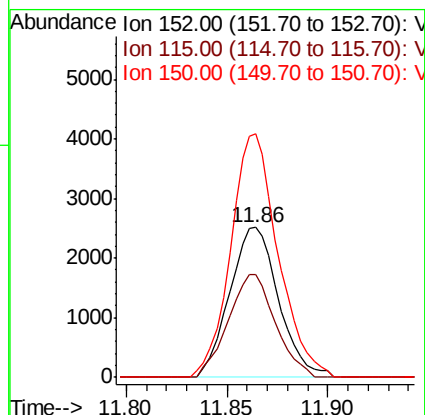
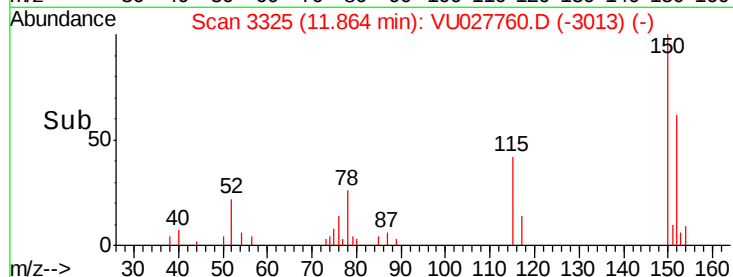
150 156.6 0.0 650.6



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#69

Isopropylbenzene

Concen: 0.003 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027760.D

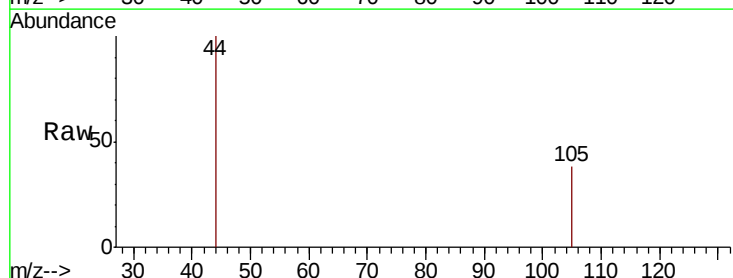
Acq: 23 Oct 2018 12:58

Tgt Ion:105 Resp: 60

Ion Ratio Lower Upper

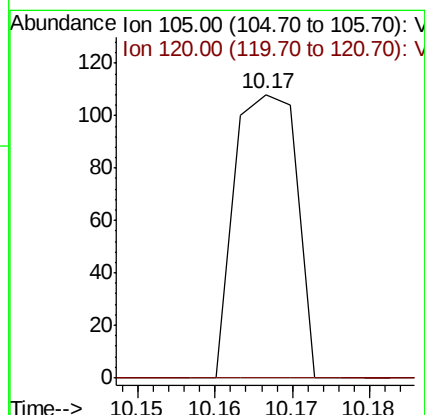
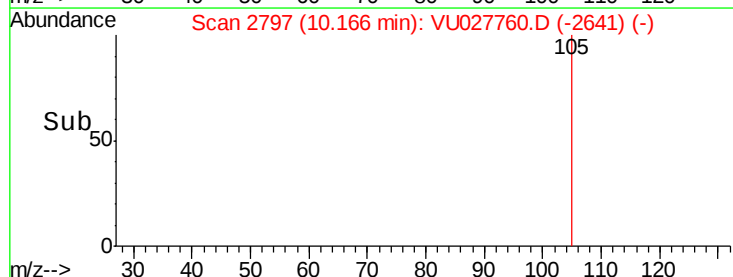
105 100

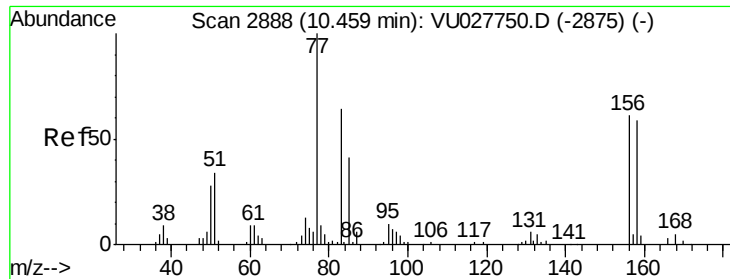
120 0.0 12.8 38.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.080 ug/l

RT: 10.50 min Scan# 2901

Delta R.T. 0.04 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

ClientSampleId :

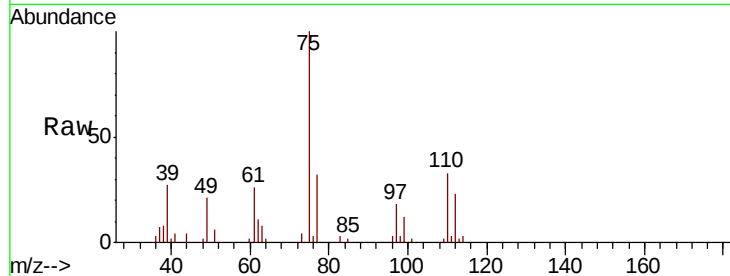
Tot Ion: 83 Resp: 270

Ion Ratio Lower Upper

83 100

131 0.0 7.7 11.5#

85 51.1 51.2 76.8#

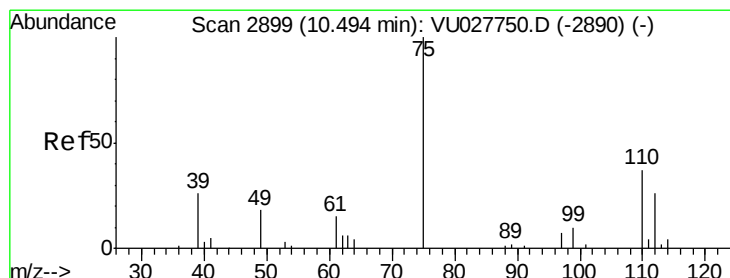
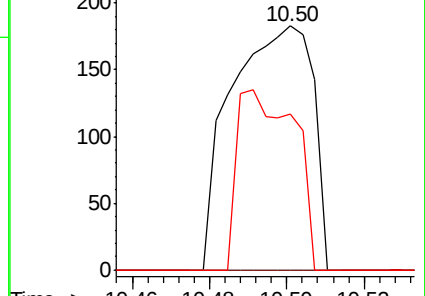
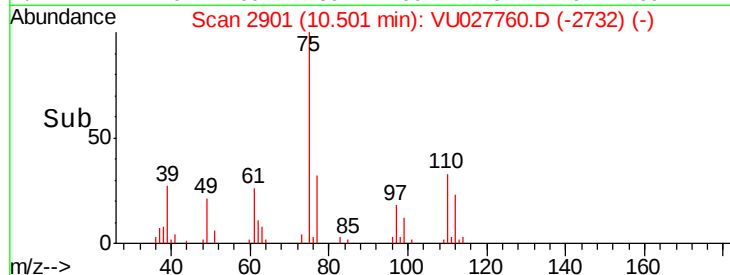


Abundance Ion 83.00 (82.70 to 83.70): VU027760.D (-2732) (-)

Ion 131.00 (130.70 to 131.70): VU027760.D (-2732) (-)

Ion 85.00 (84.70 to 85.70): VU027760.D (-2732) (-)

Time-->



#71

1,2,3-Trichloropropane

Concen: 4.736 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 12499

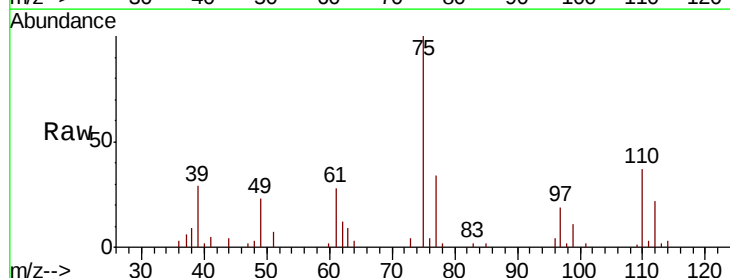
Ion Ratio Lower Upper

75 100

77 32.1 0.0 0.0#

110 34.7 0.0 68.2

97 17.7 0.0 35.2



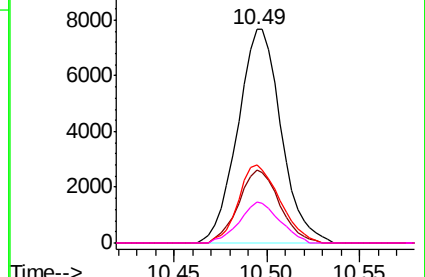
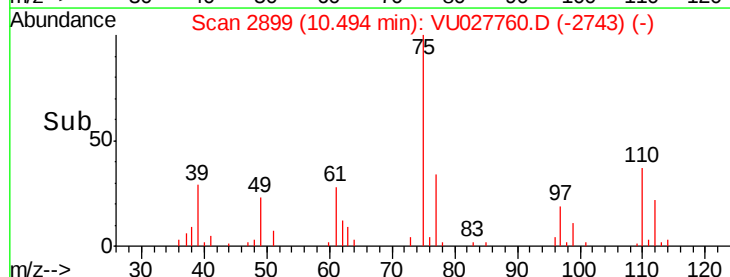
Abundance Ion 75.00 (74.70 to 75.70): VU027760.D (-2743) (-)

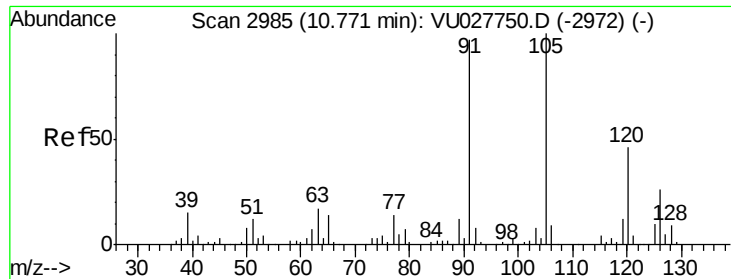
Ion 77.00 (76.70 to 77.70): VU027760.D (-2743) (-)

Ion 110.00 (109.70 to 110.70): VU027760.D (-2743) (-)

Ion 97.00 (96.70 to 97.70): VU027760.D (-2743) (-)

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 0.015 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

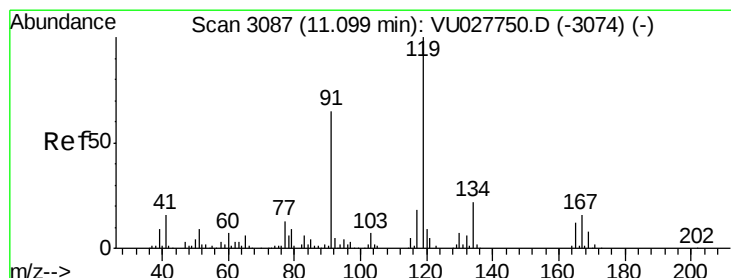
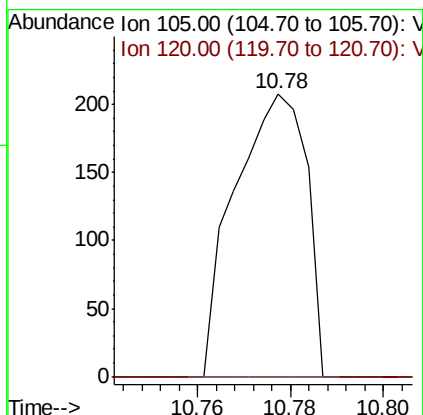
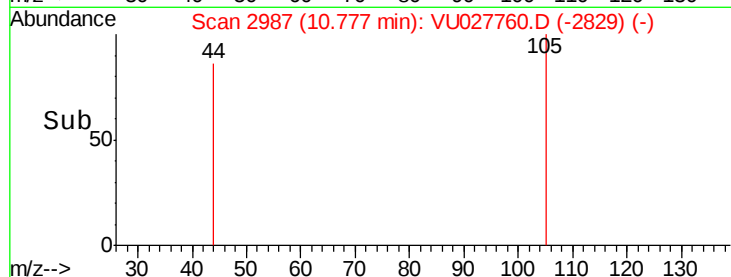
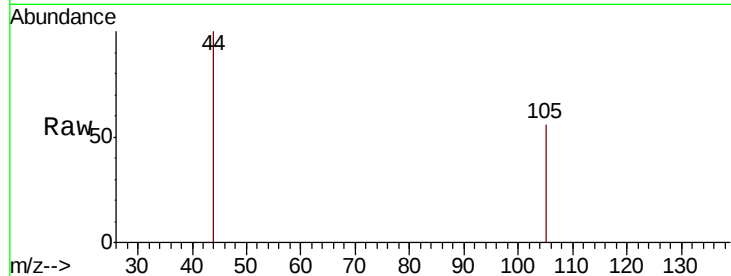
ClientSampled :

Tot Ion:105 Resp: 223

Ion Ratio Lower Upper

105 100

120 0.0 37.2 55.8#



#77

tert-Butylbenzene

Concen: 0.005 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

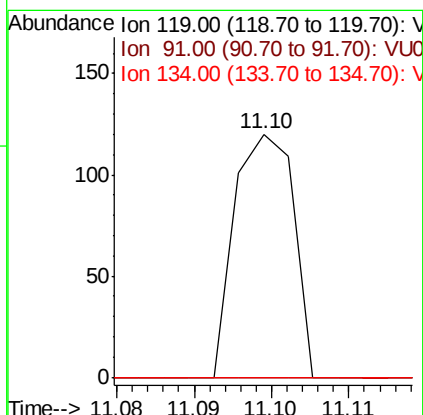
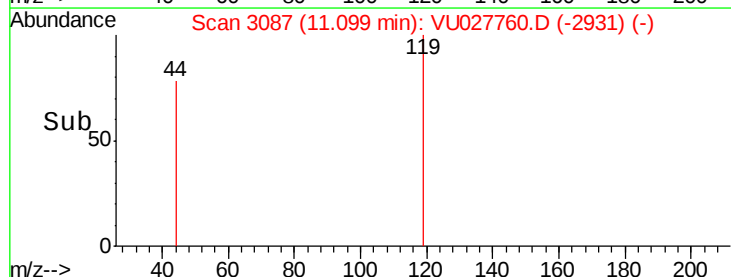
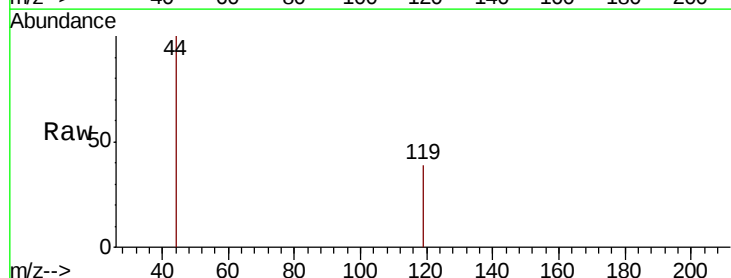
Tgt Ion:119 Resp: 64

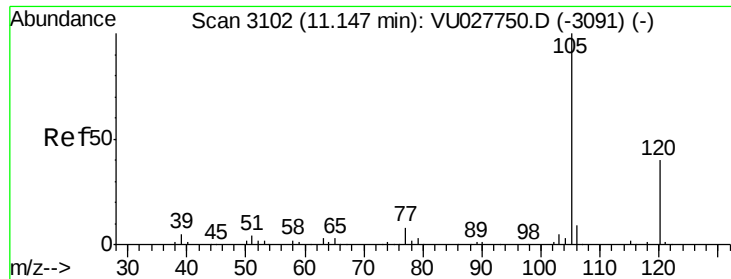
Ion Ratio Lower Upper

119 100

91 0.0 31.8 95.4#

134 0.0 17.7 26.5#

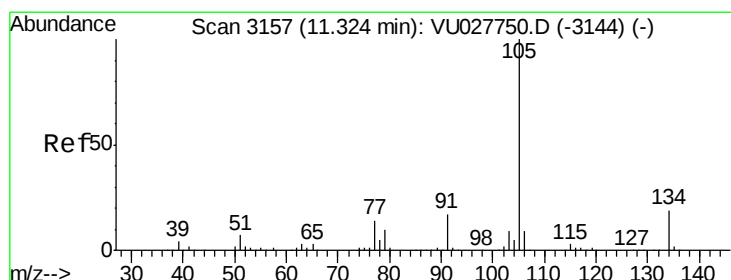
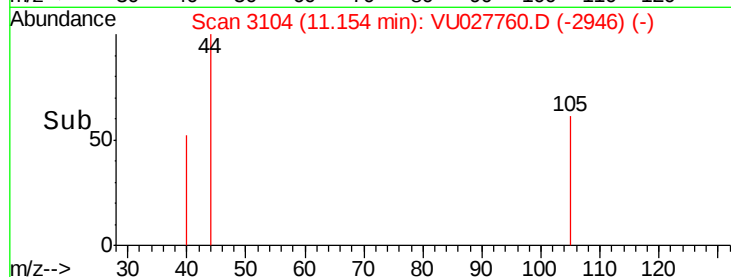
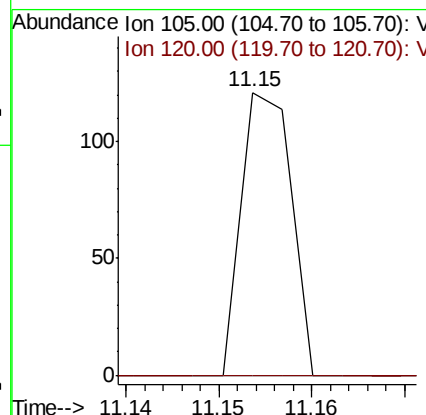
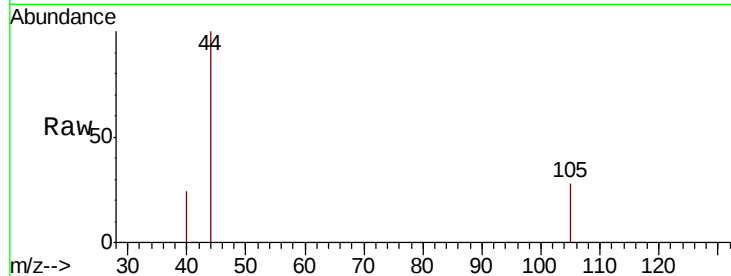




#78
 1,2,4-Trimethylbenzene
 Concen: 0.003 ug/l
 RT: 11.15 min Scan# 3104
 Delta R.T. 0.01 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

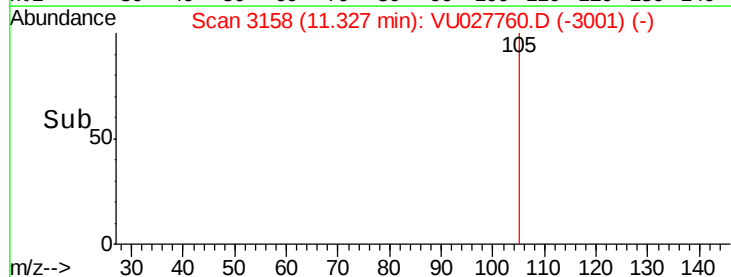
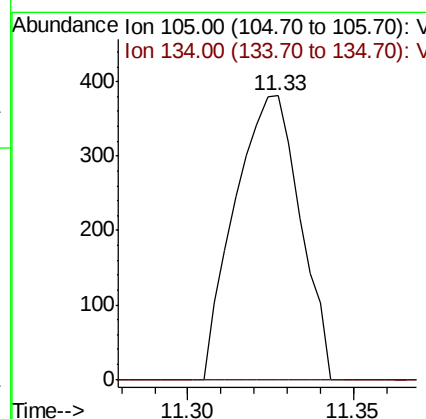
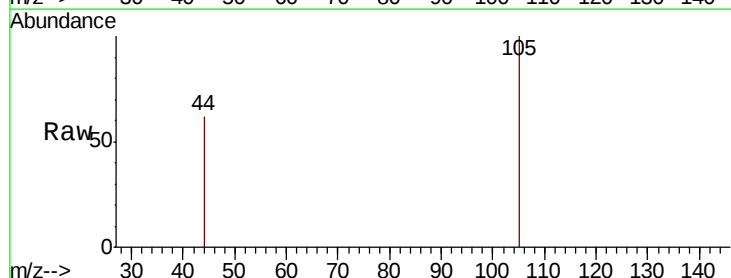
Instrument :
 MSVOA_U
 ClientSampleId :

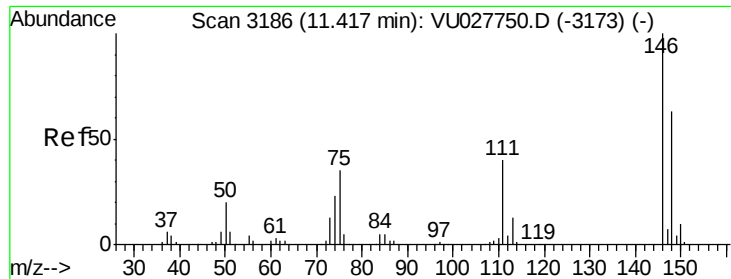
Tot Ion:105 Resp: 45
 Ion Ratio Lower Upper
 105 100
 120 0.0 21.6 64.6#



#79
 sec-Butylbenzene
 Concen: 0.028 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion:105 Resp: 521
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.2 22.8#





#82

1,3-Dichlorobenzene

Concen: 0.062 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

Instrument :

MSVOA_U

ClientSampleId :

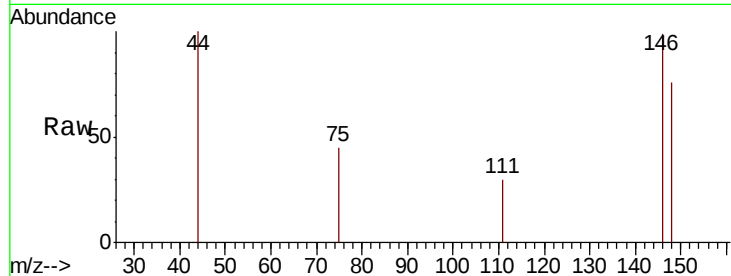
Tot Ion:146 Resp: 475

Ion Ratio Lower Upper

146 100

111 24.0 32.7 49.1#

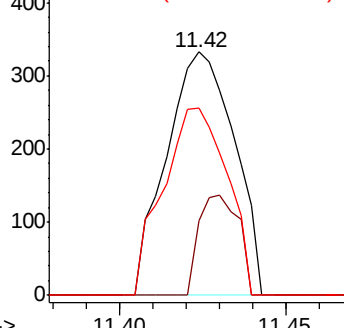
148 72.2 50.6 75.8



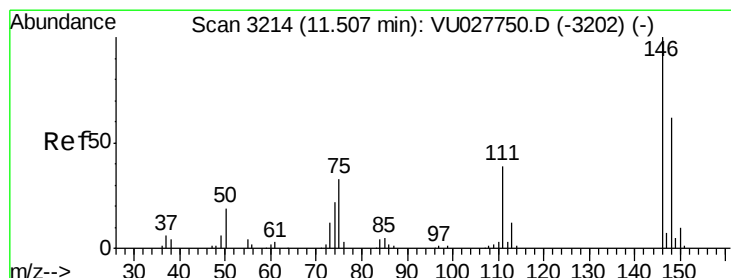
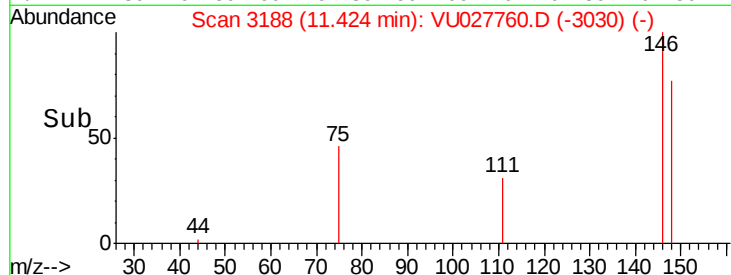
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#83

1,4-Dichlorobenzene

Concen: 0.063 ug/l

RT: 11.52 min Scan# 3218

Delta R.T. 0.01 min

Lab File: VU027760.D

Acq: 23 Oct 2018 12:58

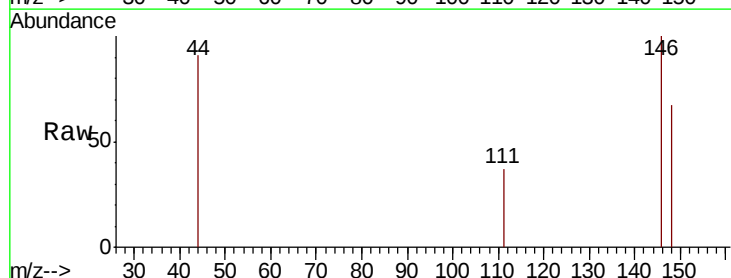
Tgt Ion:146 Resp: 480

Ion Ratio Lower Upper

146 100

111 29.6 32.0 48.0#

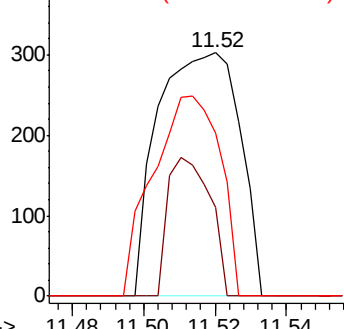
148 67.5 50.9 76.3



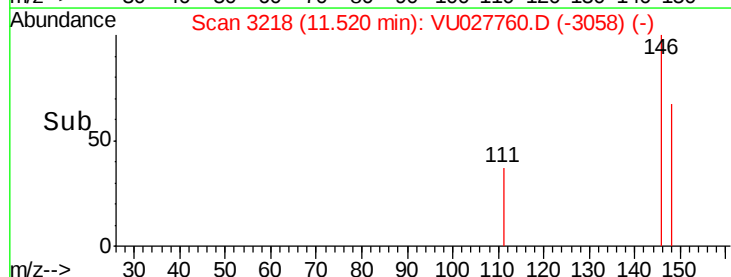
Abundance Ion 146.00 (145.70 to 146.70): V

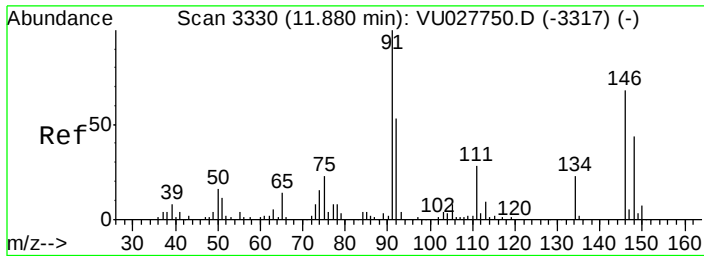
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->

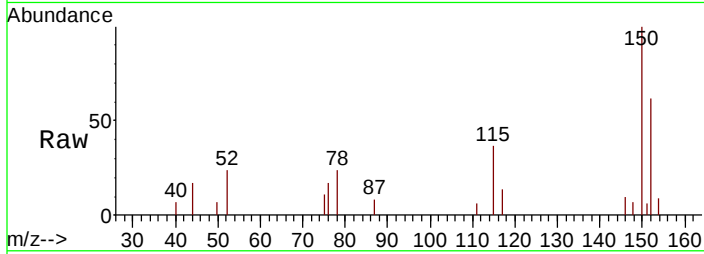




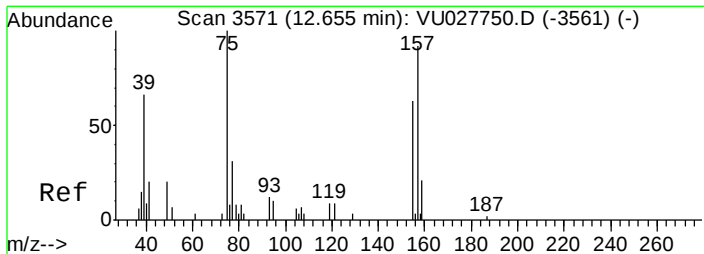
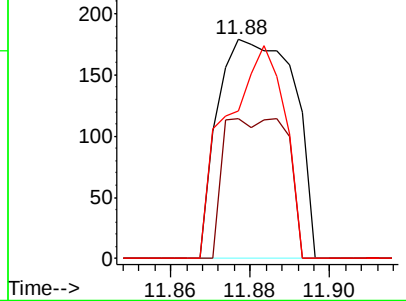
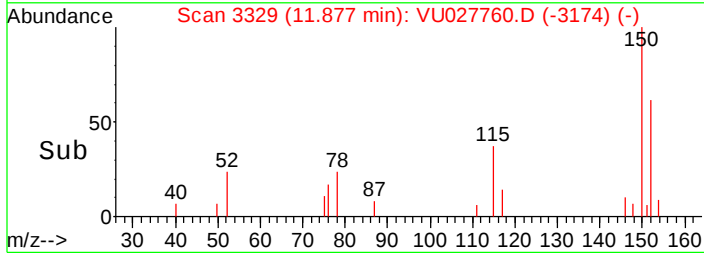
#85
 1,2-Dichlorobenzene
 Concen: 0.033 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 237
 Ion Ratio Lower Upper
 146 100
 111 27.0 21.2 63.6
 148 74.7 32.2 96.6

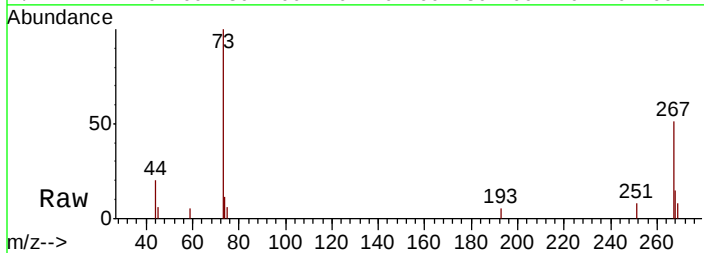


Abundance Ion 146.00 (145.70 to 146.70):
 Ion 111.00 (110.70 to 111.70):
 Ion 148.00 (147.70 to 148.70):

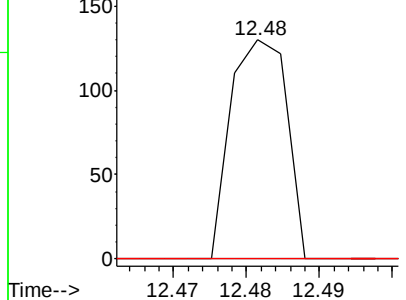
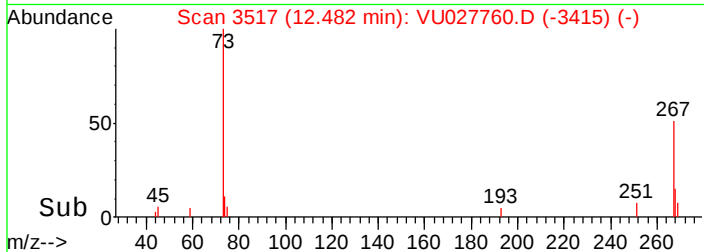


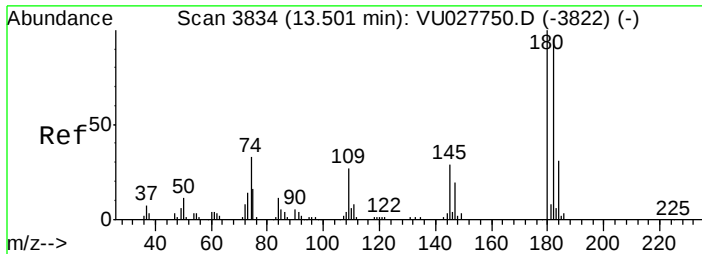
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.111 ug/l
 RT: 12.48 min Scan# 3517
 Delta R.T. -0.17 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100



Abundance Ion 75.00 (74.70 to 75.30):
 Ion 155.00 (154.70 to 155.30):
 Ion 157.00 (156.70 to 157.30):

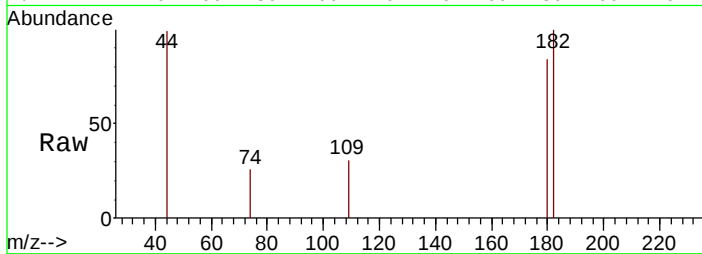




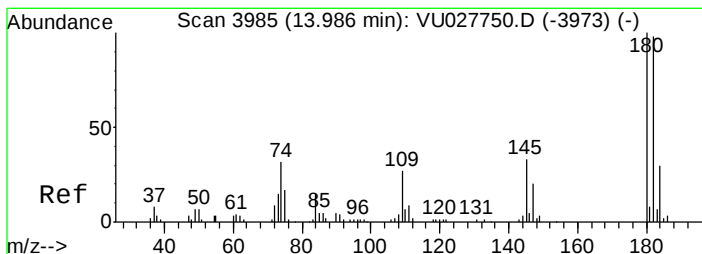
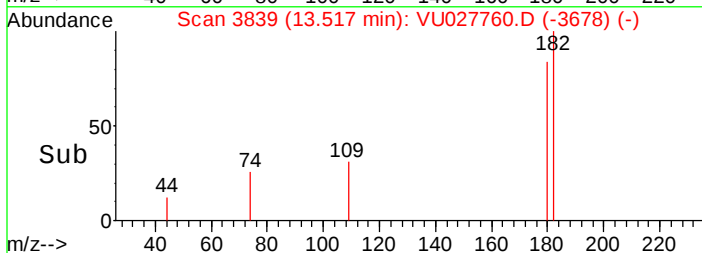
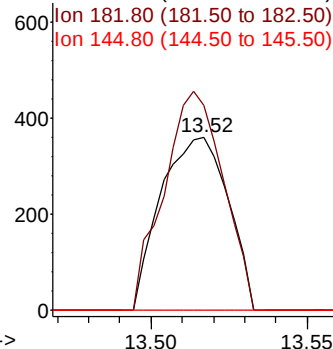
#87
 1,2,4-Trichlorobenzene
 Concen: 0.102 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.02 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 540
 Ion Ratio Lower Upper
 180 100
 182 111.3 75.9 113.9
 145 0.0 23.6 35.4#

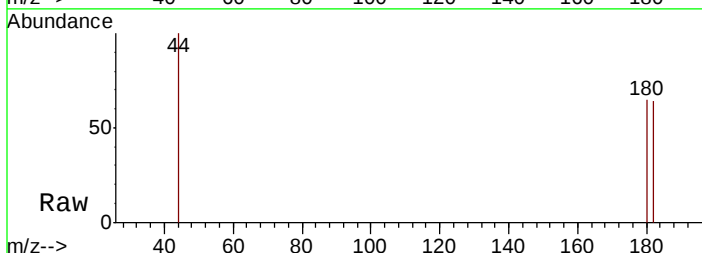


Abundance Ion 179.70 (179.40 to 180.40):
 Ion 181.80 (181.50 to 182.50):
 Ion 144.80 (144.50 to 145.50):



#90
 1,2,3-Trichlorobenzene
 Concen: 0.068 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027760.D
 Acq: 23 Oct 2018 12:58

Tgt Ion:180 Resp: 342
 Ion Ratio Lower Upper
 180 100
 182 113.5 77.0 115.6
 145 0.0 25.4 38.2#



Abundance Ion 179.70 (179.40 to 180.40):
 Ion 181.70 (181.40 to 182.40):
 Ion 144.80 (144.50 to 145.50):

