

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030007.D
 Acq On : 12 Mar 2019 14:37
 Operator : JC/SP
 Sample : K1850-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

Quant Time: Mar 13 05:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:21:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	64260	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23395	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	26407	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	350483	13.109	ug/l	98
5) Bromomethane	1.63	94	95561	7.296	ug/l	99
6) Chloroethane	1.70	64	388666	29.378	ug/l	99
7) Trichlorofluoromethane	1.89	101	1214072	40.841	ug/l	98
10) Iodomethane	2.41	142	32206	2.318	ug/l	97
12) Acrylonitrile	3.00	53	14288	4.114	ug/l #	32
13) Acetone	2.32	43	4292	1.420	ug/l #	85
15) Methylene Chloride	2.70	84	11781	0.617	ug/l	96
17) 1,1-Dichloroethane	3.44	63	222470	7.107	ug/l	99
21) 2,2-Dichloropropane	4.22	77	342085	12.997	ug/l	93
24) tert-Butyl Alcohol	2.84	59	3209	2.503	ug/l #	74
25) Methyl tert-Butyl Ether	3.00	73	1663881	41.092	ug/l	100
26) Bromochloromethane	4.54	128	107911	11.984	ug/l	99
29) 1,1-Dichloropropene	5.13	75	194890	7.900	ug/l	100
37) Trichloroethene	6.18	130	6028	0.290	ug/l	86
43) Dibromomethane	6.56	93	93421	9.841	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	203522	42.707	ug/l #	23
50) t-1,3-Dichloropropene	7.88	75	304031	14.993	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	123948	4.862	ug/l	97
53) 1,3-Dichloropropane	8.24	76	239905	10.689	ug/l	99
54) 2-Hexanone	8.38	43	1750	0.259	ug/l	83
60) 1,1,1,2-Tetrachloroethane	9.21	131	226964	12.930	ug/l	99
61) Pentachloroethane	11.14	117	29612	2.186	ug/l #	19
62) Hexachloroethane	12.14	117	4135	0.303	ug/l	96
69) Isopropylbenzene	10.16	105	836966	10.193	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	295700	17.879	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	203522	16.369	ug/l #	91
73) n-propylbenzene	10.58	120	221940	9.528	ug/l	99
74) 2-Chlorotoluene	10.77	126	143883	7.053	ug/l	97
75) 1,3,5-Trimethylbenzene	10.58	105	34924	0.499	ug/l #	1
76) 4-Chlorotoluene	10.77	126	143883	6.910	ug/l	83
77) tert-Butylbenzene	11.14	119	109153	1.594	ug/l #	66
78) 1,2,4-Trimethylbenzene	11.14	105	863744	12.141	ug/l	99
79) sec-Butylbenzene	11.32	105	1313138	14.315	ug/l	100
81) p-Isopropyltoluene	11.47	119	1169597	15.201	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	708126	16.282	ug/l	100
83) 1,4-Dichlorobenzene	11.41	146	708126	16.197	ug/l	99
84) n-Butylbenzene	11.89	91	565820	7.873	ug/l	100
88) Hexachlorobutadiene	13.69	225	532689	33.642	ug/l	98
90) 1,2,3-Trichlorobenzene	13.98	180	189976	7.178	ug/l	98
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Quant Time: Mar 13 05:52:33 2019
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 13 04:21:52 2019
Response via : Initial Calibration

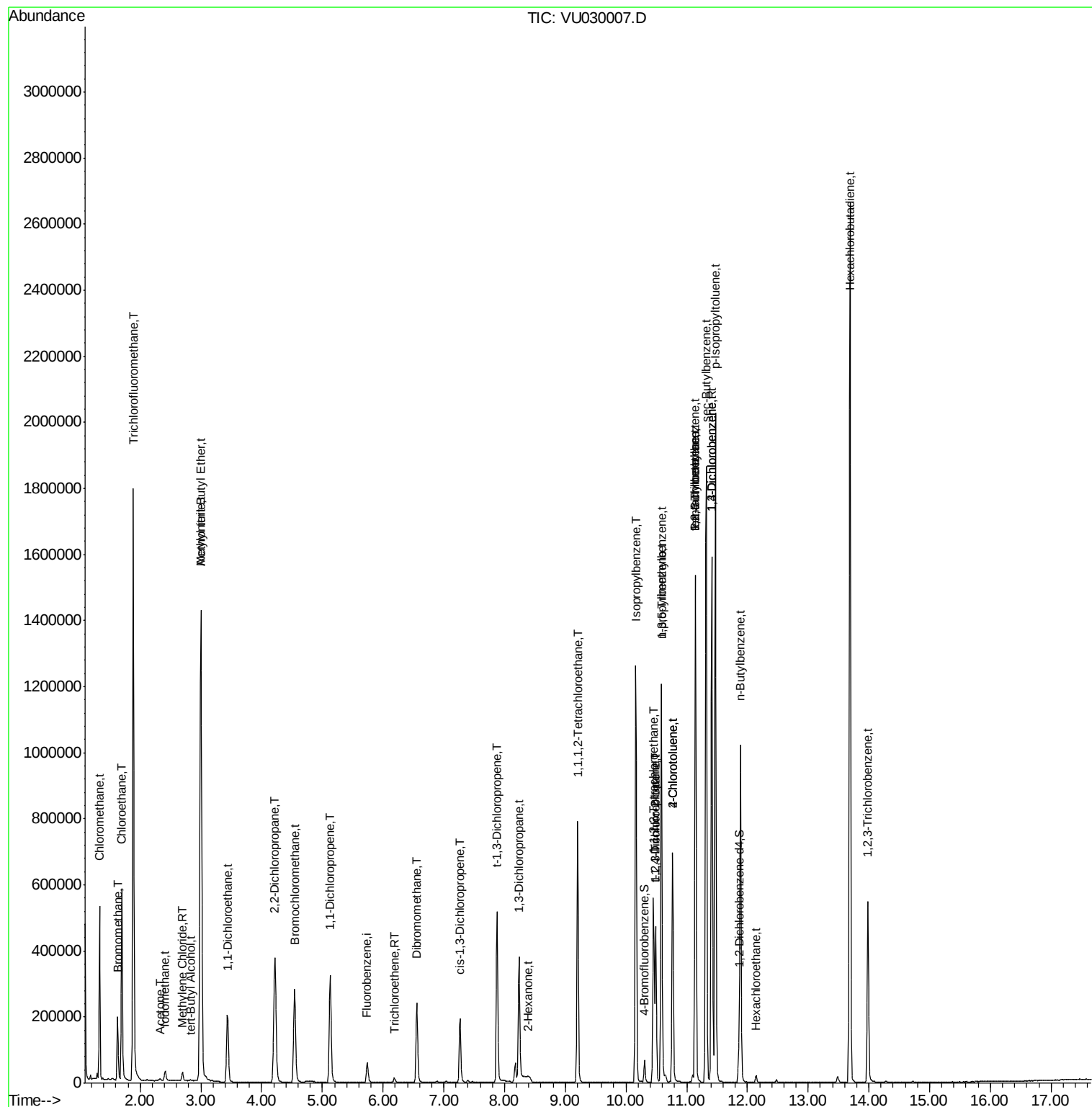
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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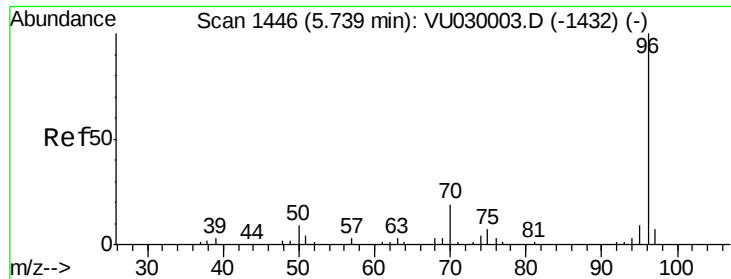
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

Tgt Ion: 96 Resp: 64260

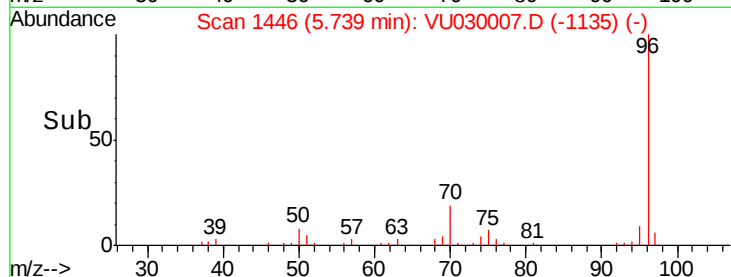
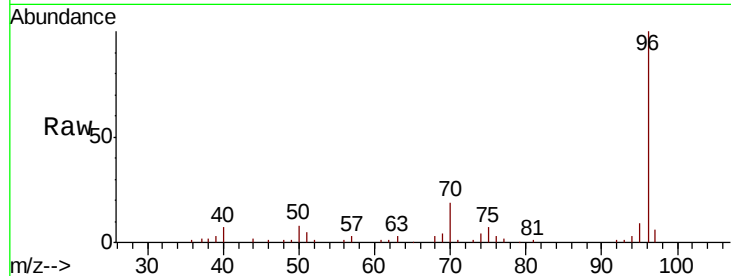
Ion Ratio Lower Upper

96 100

70 18.3 15.5 23.3

95 9.0 6.6 9.8

97 6.2 0.0 0.0#

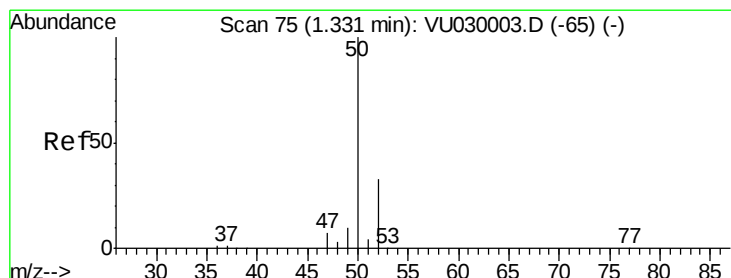
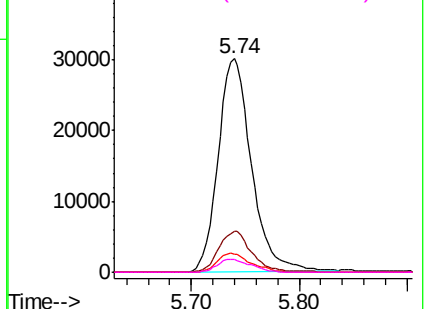


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#3

Chloromethane

Concen: 13.109 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030007.D

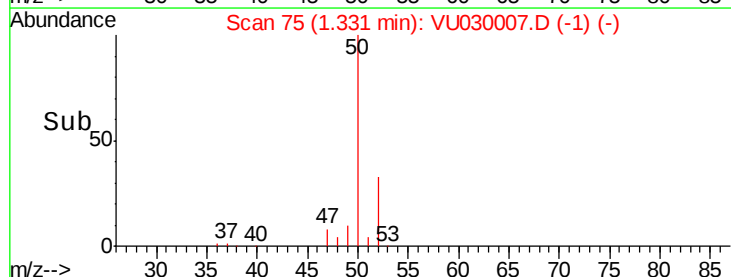
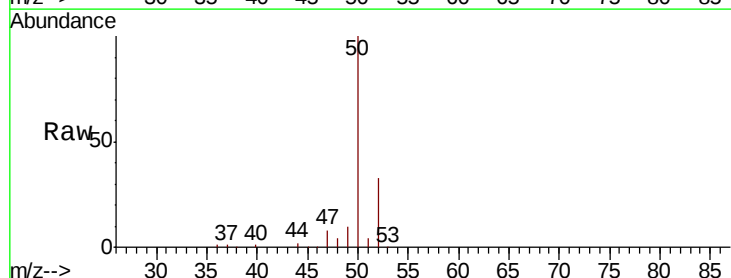
Acq: 12 Mar 2019 14:37

Tgt Ion: 50 Resp: 350483

Ion Ratio Lower Upper

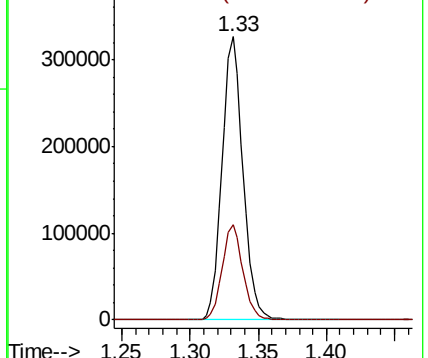
50 100

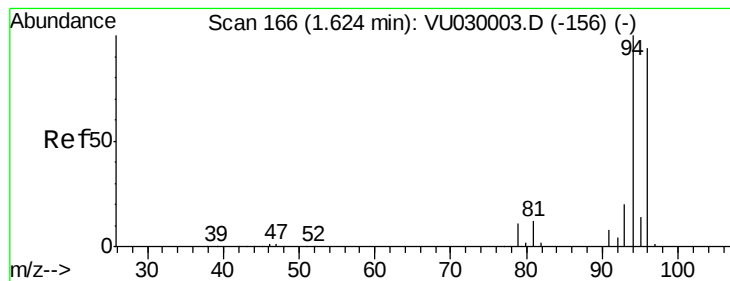
52 33.5 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Bromomethane

Concen: 7.296 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

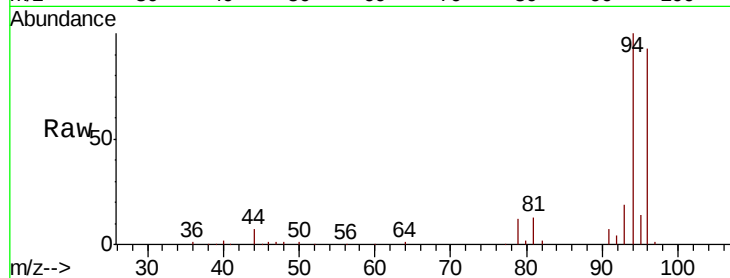
38023-122017

Tgt Ion: 94 Resp: 95561

Ion Ratio Lower Upper

94 100

96 93.4 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VU030007.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030007.D (-156) (-)

80000

60000

40000

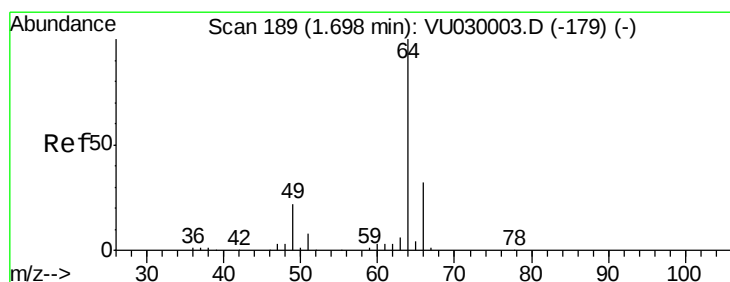
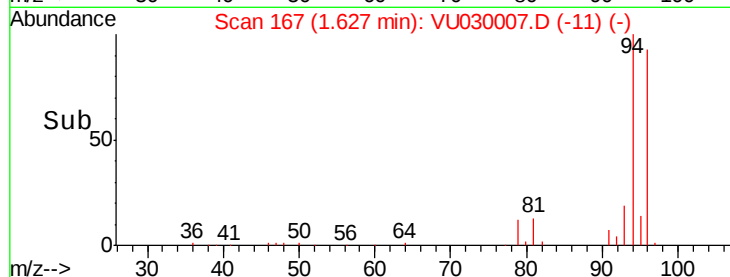
20000

0

1.63

1.60 1.70

Time-->



#6

Chloroethane

Concen: 29.378 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU030007.D

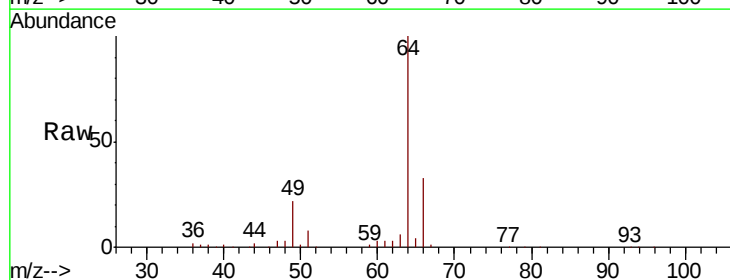
Acq: 12 Mar 2019 14:37

Tgt Ion: 64 Resp: 388666

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU030007.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU030007.D (-179) (-)

300000

200000

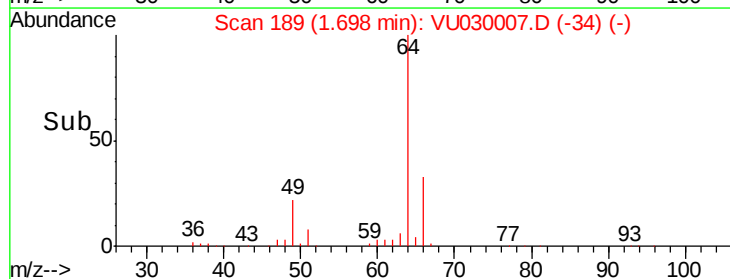
100000

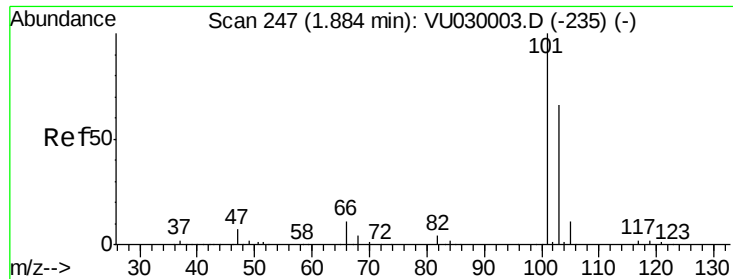
0

1.70

1.60 1.80

Time-->



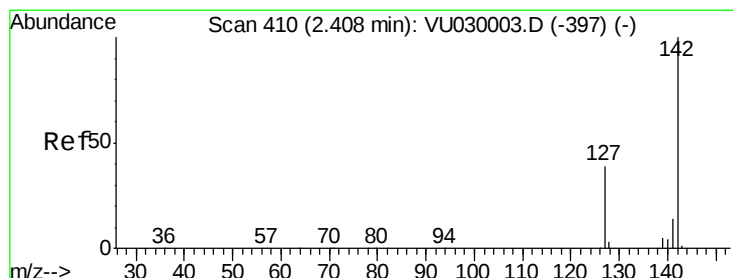
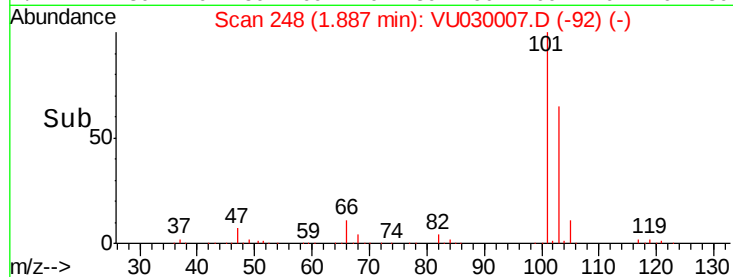
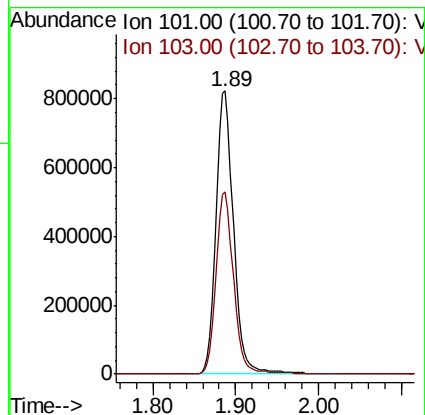
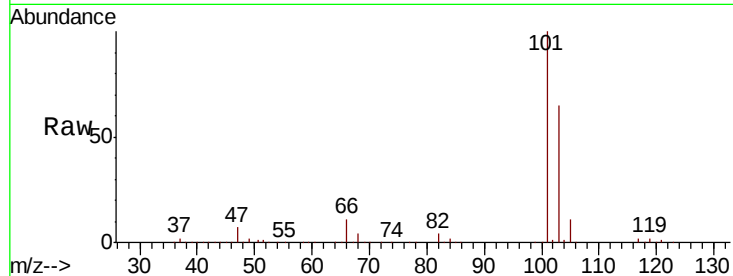


#7

Trichlorofluoromethane
Concen: 40.841 ug/l
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

Instrument :
MSVOA_U
ClientSampleId :
38023-122017

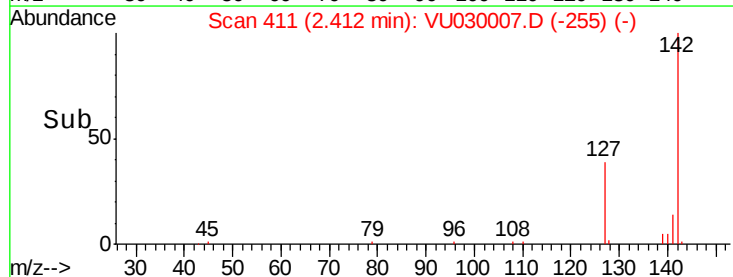
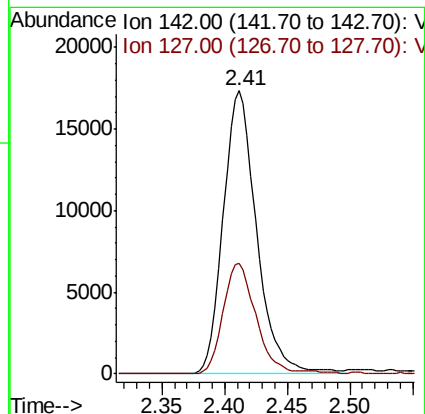
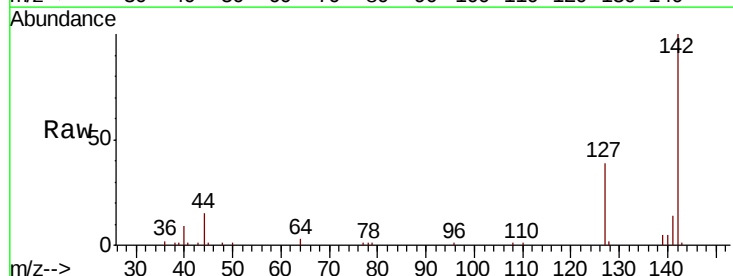
Tgt Ion:101 Resp: 1214072
Ion Ratio Lower Upper
101 100
103 64.6 52.6 79.0

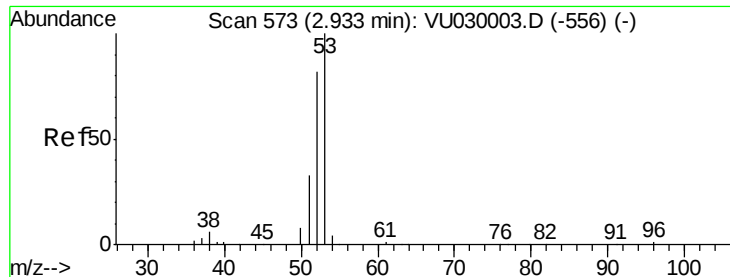


#10

Iodomethane
Concen: 2.318 ug/l
RT: 2.41 min Scan# 411
Delta R.T. 0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

Tgt Ion:142 Resp: 32206
Ion Ratio Lower Upper
142 100
127 38.6 32.2 48.4





#12

Acrylonitrile

Concen: 4.114 ug/l

RT: 3.00 min Scan# 593

Delta R.T. 0.06 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

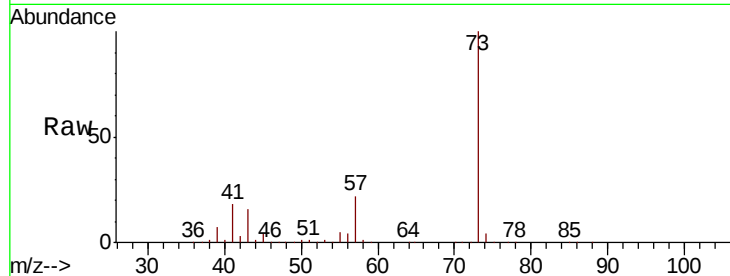
Tgt Ion: 53 Resp: 14288

Ion Ratio Lower Upper

53 100

52 21.1 66.3 99.5#

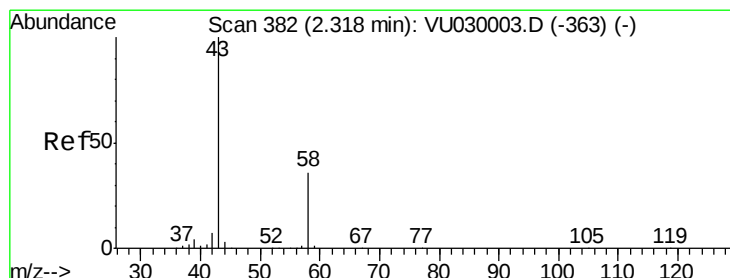
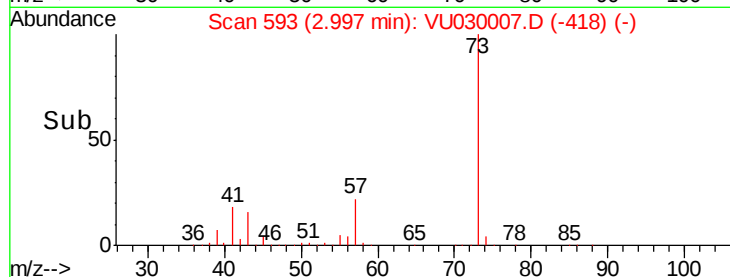
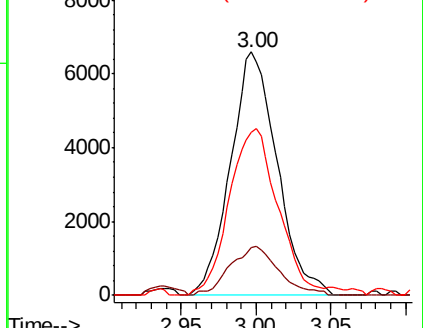
51 71.4 26.9 40.3#



Abundance Ion 53.00 (52.70 to 53.70): VU030003.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU030003.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU030003.D (-556) (-)



#13

Acetone

Concen: 1.420 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030007.D

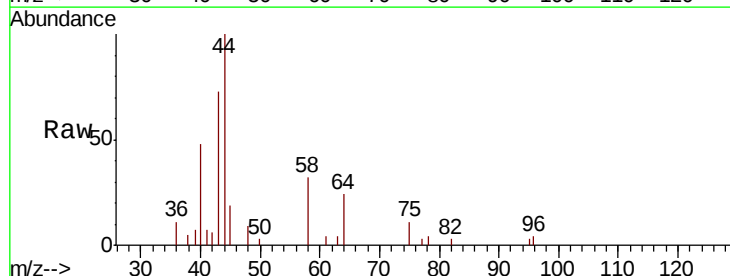
Acq: 12 Mar 2019 14:37

Tgt Ion: 43 Resp: 4292

Ion Ratio Lower Upper

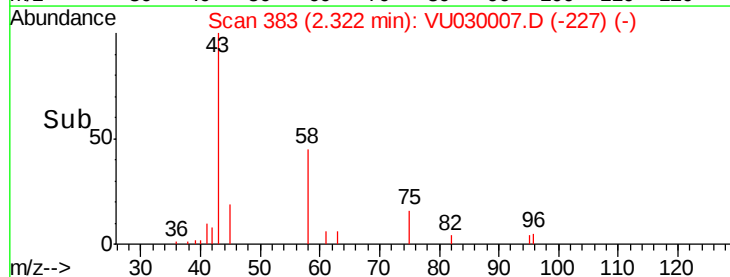
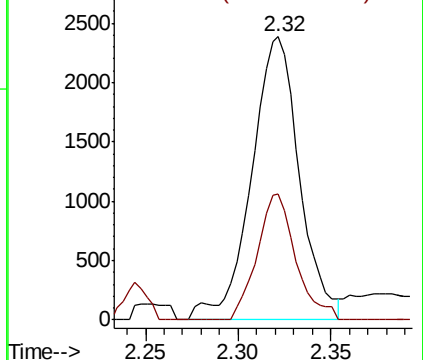
43 100

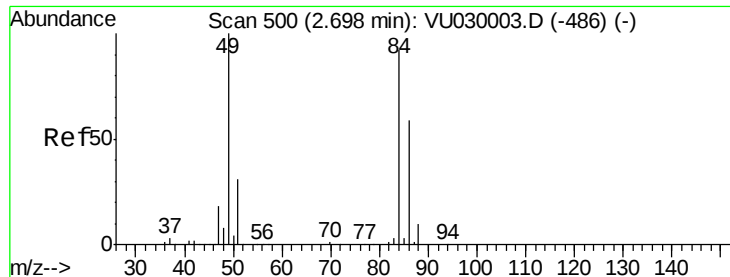
58 44.6 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VU030003.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU030003.D (-363) (-)





#15

Methylene Chloride

Concen: 0.617 ug/l

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

Tgt Ion: 84 Resp: 11781

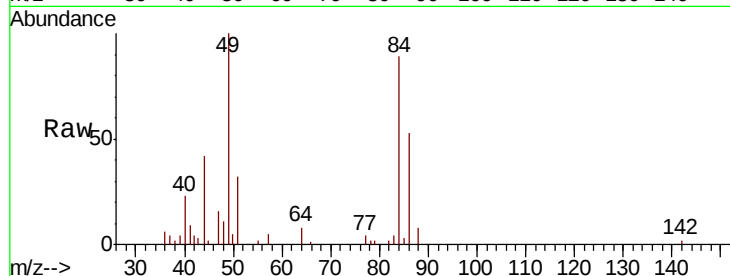
Ion Ratio Lower Upper

84 100

49 112.6 86.5 129.7

51 34.5 0.0 66.8

86 60.0 51.2 76.8

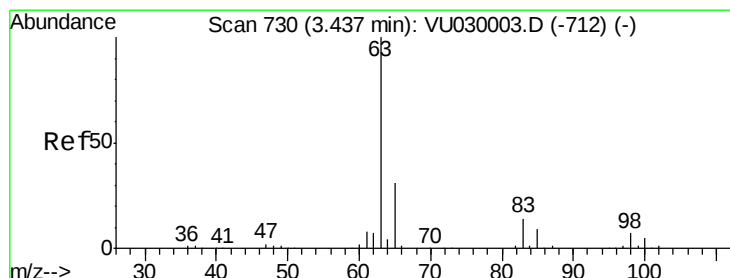
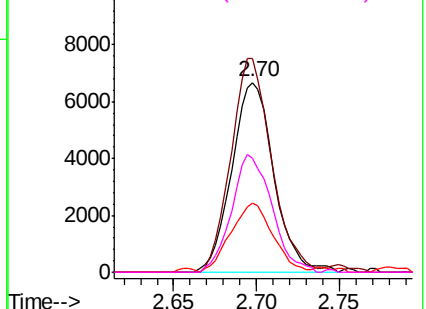
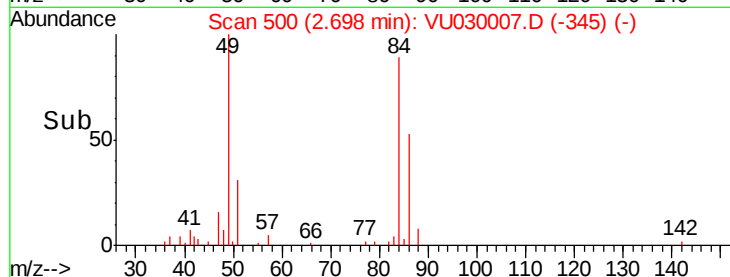


Abundance Ion 84.00 (83.70 to 84.70): VU030007.D (-500) (-)

Ion 49.00 (48.70 to 49.70): VU030007.D (-500) (-)

Ion 51.00 (50.70 to 51.70): VU030007.D (-500) (-)

Ion 86.00 (85.70 to 86.70): VU030007.D (-500) (-)



#17

1,1-Dichloroethane

Concen: 7.107 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

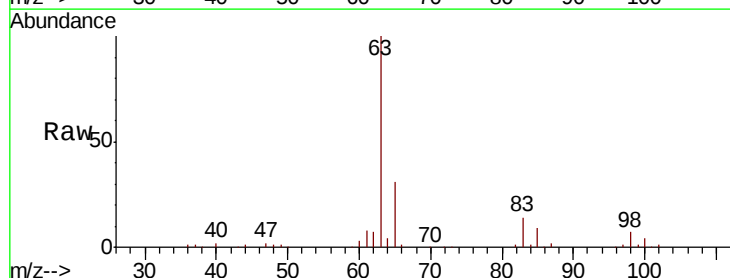
Tgt Ion: 63 Resp: 222470

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

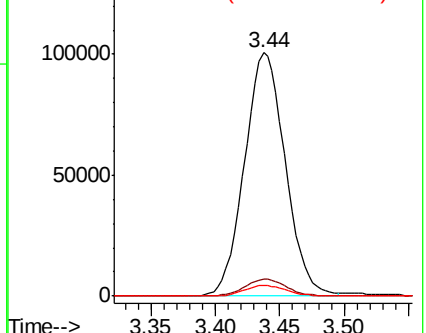
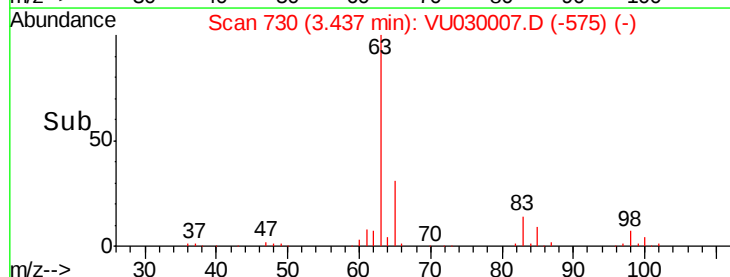
100 4.4 2.3 6.8

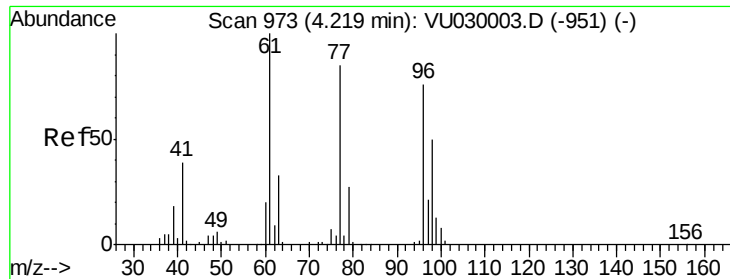


Abundance Ion 63.00 (62.70 to 63.70): VU030007.D (-730) (-)

Ion 98.00 (97.70 to 98.70): VU030007.D (-730) (-)

Ion 100.00 (99.70 to 100.70): VU030007.D (-730) (-)

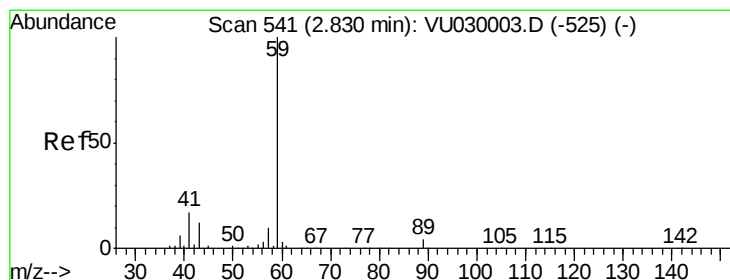
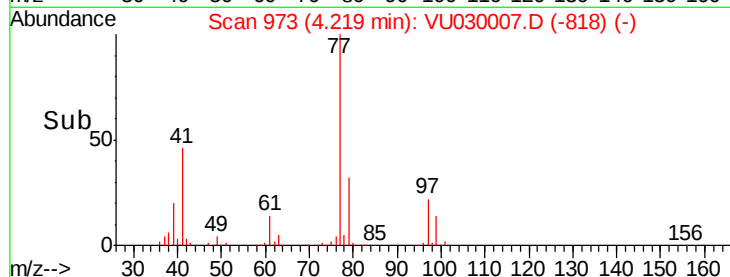
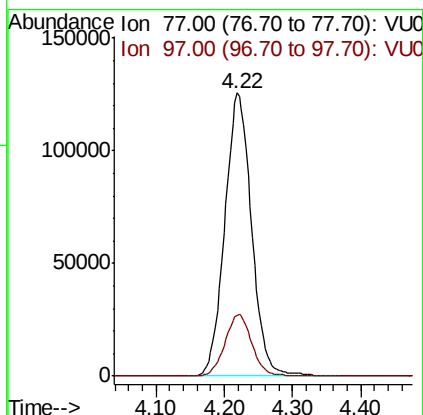
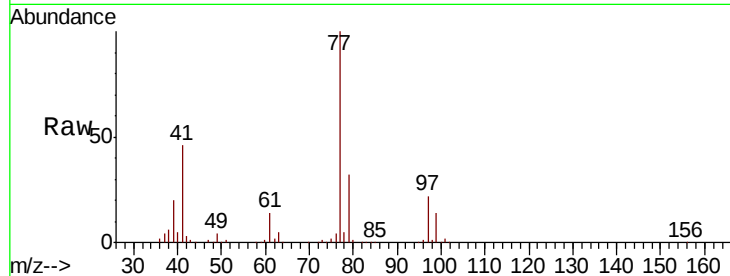




#21
 2,2-Dichloropropane
 Concen: 12.997 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

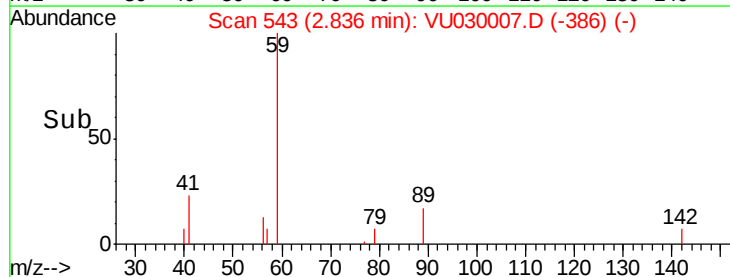
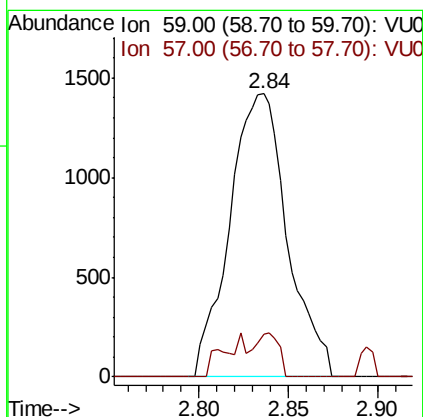
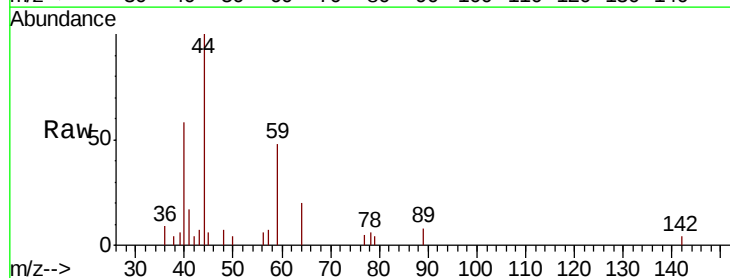
Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

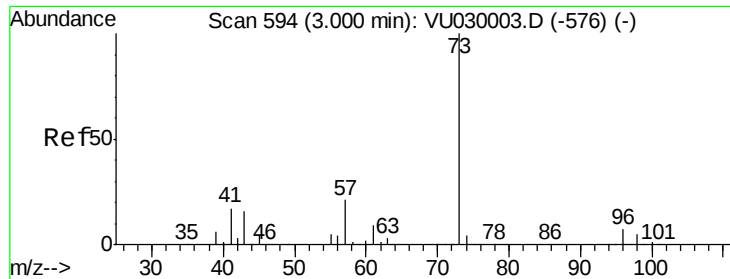
Tgt Ion: 77 Resp: 342085
 Ion Ratio Lower Upper
 77 100
 97 21.8 20.2 30.4



#24
 tert-Butyl Alcohol
 Concen: 2.503 ug/l
 RT: 2.84 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion: 59 Resp: 3209
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#





#25

Methyl tert-Butyl Ether
Concen: 41.092 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

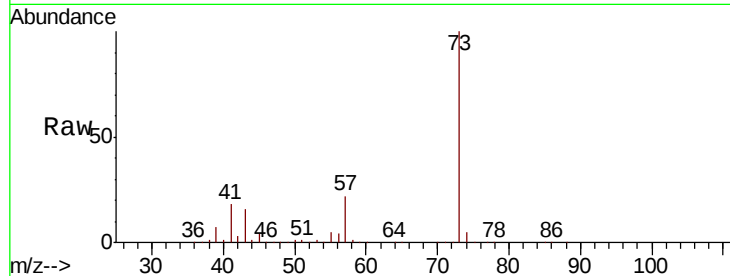
Instrument :
MSVOA_U
ClientSampleId :
38023-122017

Tgt Ion: 73 Resp: 1663881

Ion Ratio Lower Upper

73 100

43 16.3 13.1 19.7



Abundance Ion 73.00 (72.70 to 73.70): VU030007.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030007.D (-576) (-)

3.00

800000

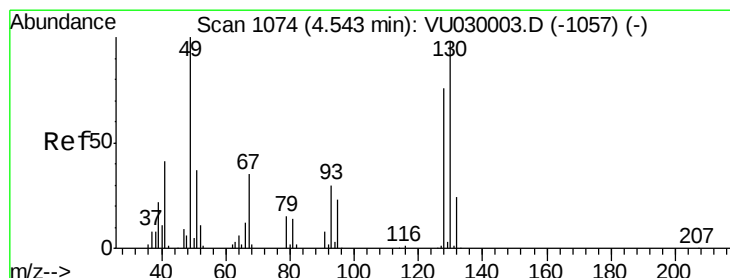
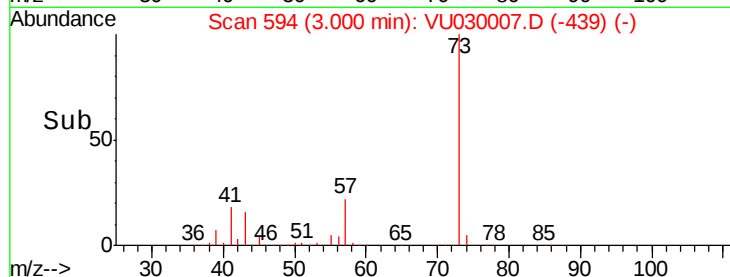
600000

400000

200000

0

Time-->



#26

Bromochloromethane
Concen: 11.984 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

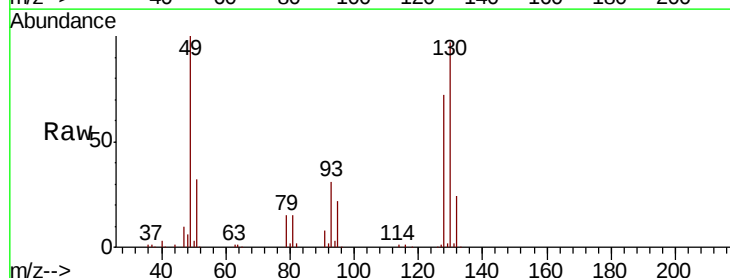
Tgt Ion: 128 Resp: 107911

Ion Ratio Lower Upper

128 100

49 134.8 0.0 270.4

130 129.6 102.6 153.8



Abundance Ion 128.00 (127.70 to 128.70): VU030007.D (-919) (-)

Ion 49.00 (48.70 to 49.70): VU030007.D (-919) (-)

Ion 130.00 (129.70 to 130.70): VU030007.D (-919) (-)

4.54

80000

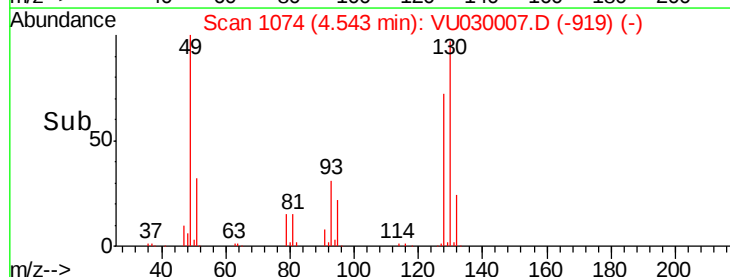
60000

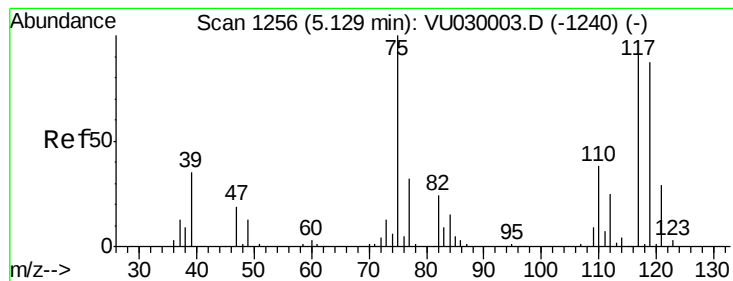
40000

20000

0

Time-->





#29

1,1-Dichloropropene

Concen: 7.900 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

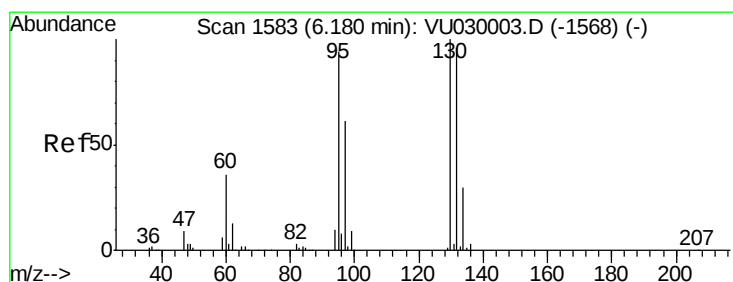
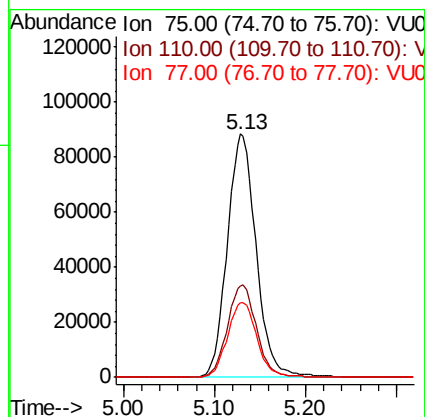
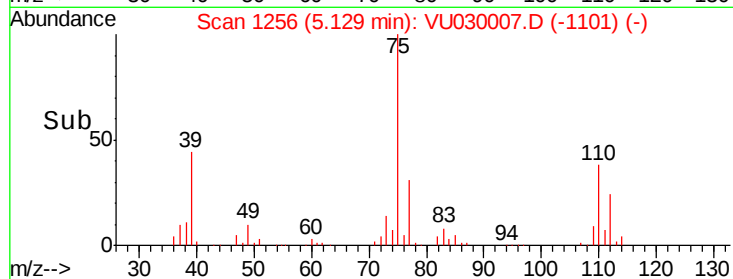
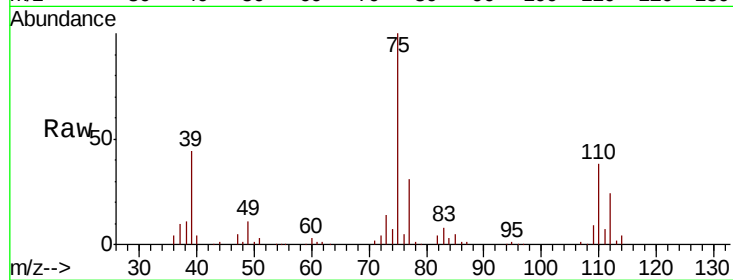
Tgt Ion: 75 Resp: 194890

Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.3

77 31.4 25.2 37.8



#37

Trichloroethene

Concen: 0.290 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030007.D

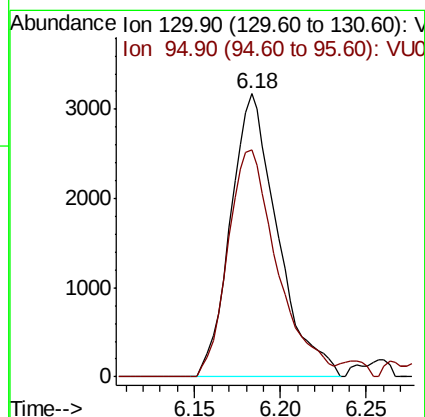
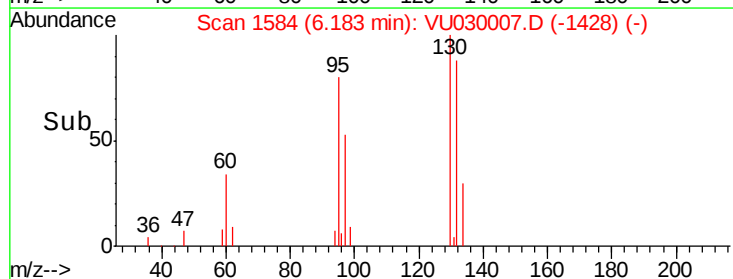
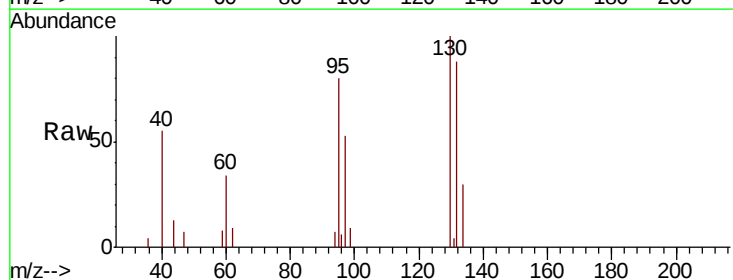
Acq: 12 Mar 2019 14:37

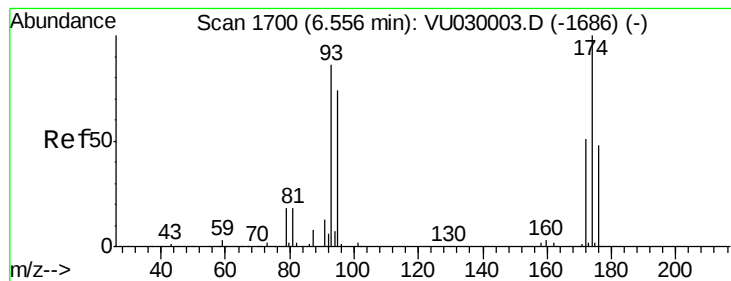
Tgt Ion: 130 Resp: 6028

Ion Ratio Lower Upper

130 100

95 80.3 75.2 112.8





#43

Dibromomethane

Concen: 9.841 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

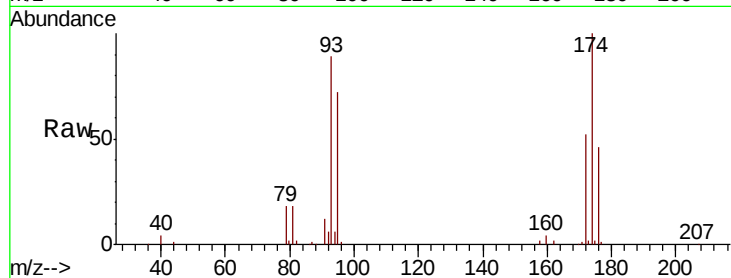
Tgt Ion: 93 Resp: 93421

Ion Ratio Lower Upper

93 100

95 84.2 68.6 102.8

174 113.1 91.8 137.8

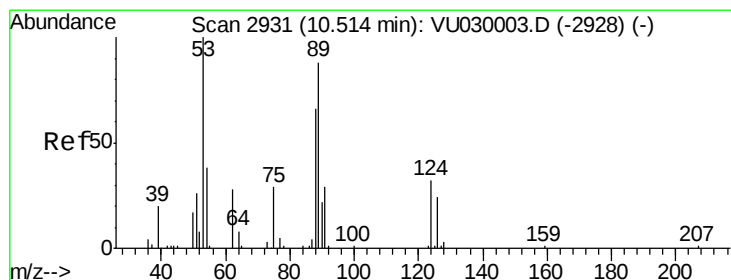
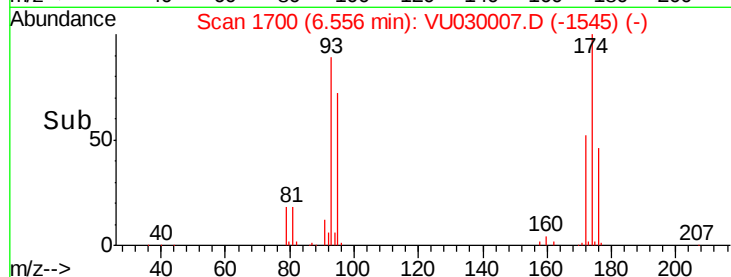
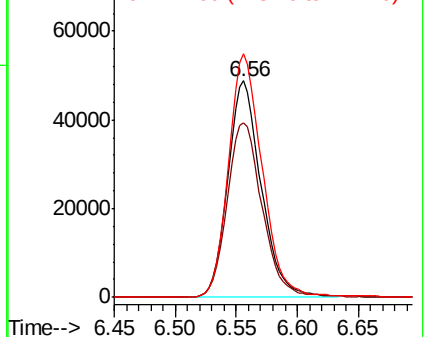


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#46

t-1,4-Dichloro-2-butene

Concen: 42.707 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Tgt Ion: 75 Resp: 203522

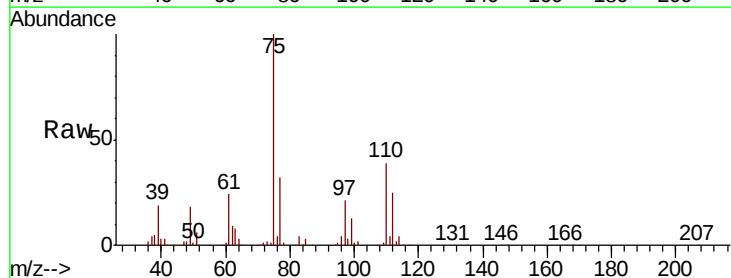
Ion Ratio Lower Upper

75 100

53 0.0 57.0 85.6#

89 0.0 43.6 65.4#

88 0.2 31.5 47.3#



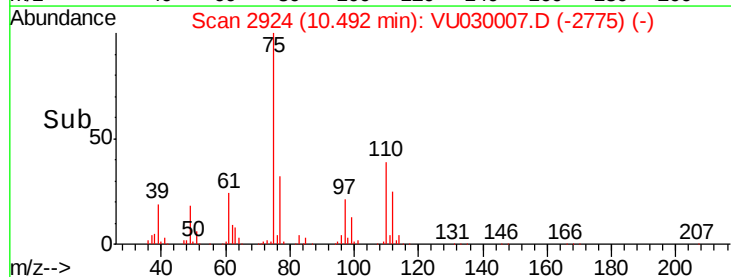
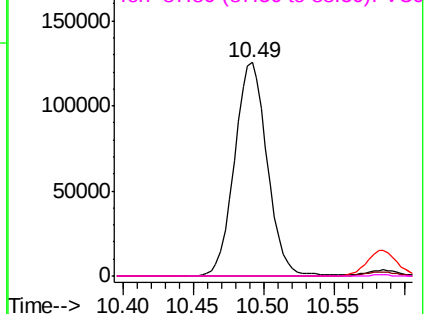
Abundance

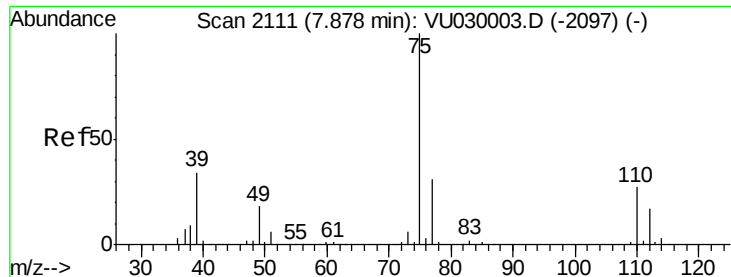
Ion 74.90 (74.60 to 75.60): VU0

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





#50

t-1,3-Dichloropropene

Concen: 14.993 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

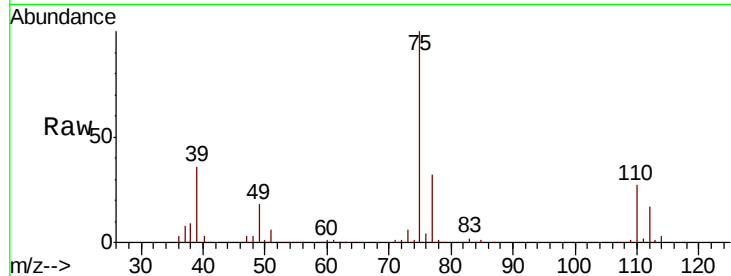
38023-122017

Tgt Ion: 75 Resp: 304031

Ion Ratio Lower Upper

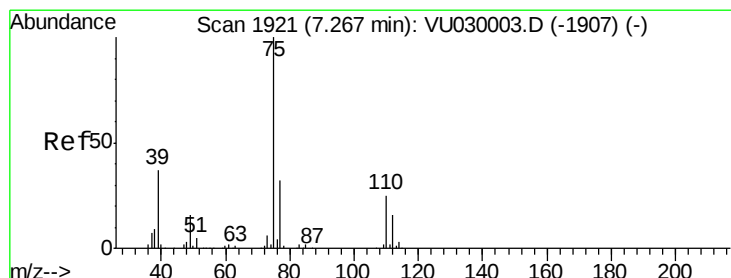
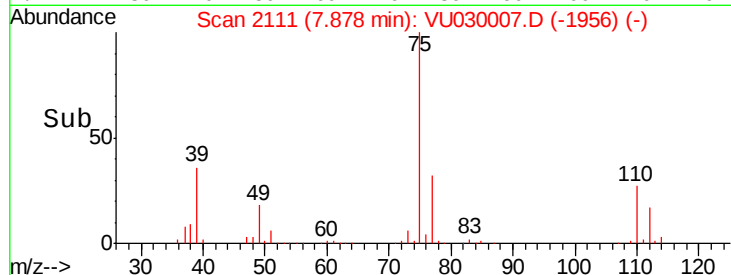
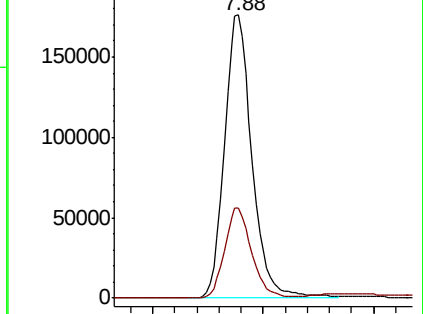
75 100

77 31.7 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU030007.D (-1956) (-)

Ion 77.00 (76.70 to 77.70): VU030007.D (-1956) (-)



#51

cis-1,3-Dichloropropene

Concen: 4.862 ug/l

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

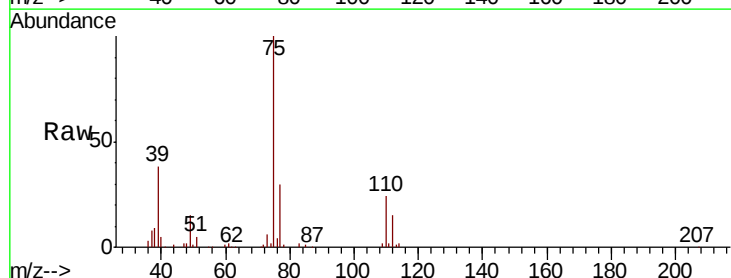
Tgt Ion: 75 Resp: 123948

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0

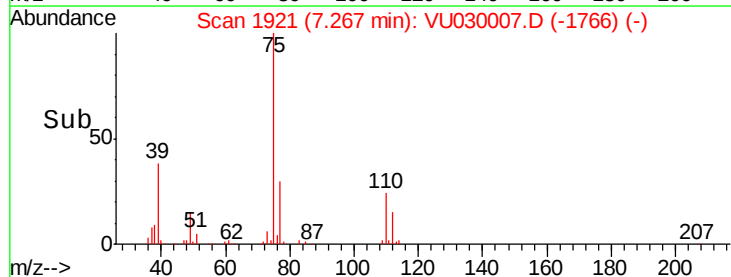
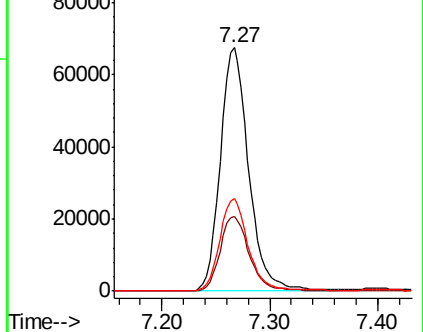
39 37.9 29.5 44.3

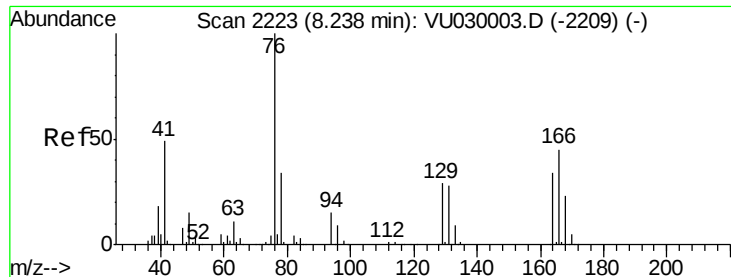


Abundance Ion 75.00 (74.70 to 75.70): VU030007.D (-1766) (-)

Ion 77.00 (76.70 to 77.70): VU030007.D (-1766) (-)

Ion 39.00 (38.70 to 39.70): VU030007.D (-1766) (-)





#53

1,3-Dichloropropane

Concen: 10.689 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

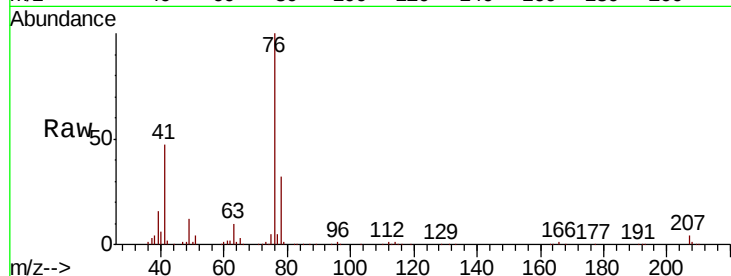
38023-122017

Tgt Ion: 76 Resp: 239905

Ion Ratio Lower Upper

76 100

78 32.5 26.4 39.6



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

8.24

150000

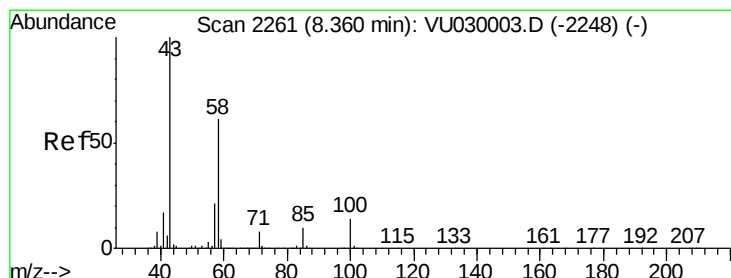
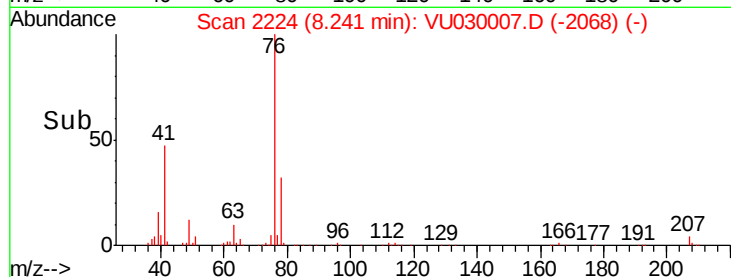
100000

50000

0

8.20 8.30 8.40

Time-->



#54

2-Hexanone

Concen: 0.259 ug/l

RT: 8.38 min Scan# 2268

Delta R.T. 0.02 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

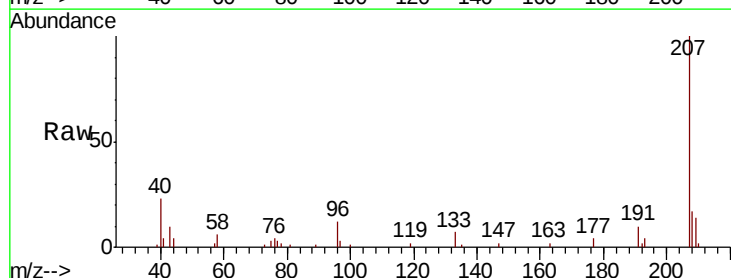
Tgt Ion: 43 Resp: 1750

Ion Ratio Lower Upper

43 100

58 51.0 40.3 80.3

57 6.6 0.6 40.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

8.38

1000

800

600

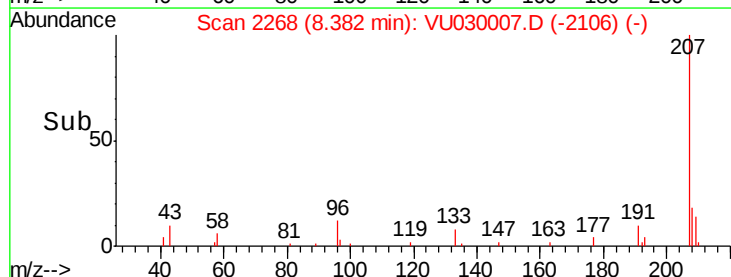
400

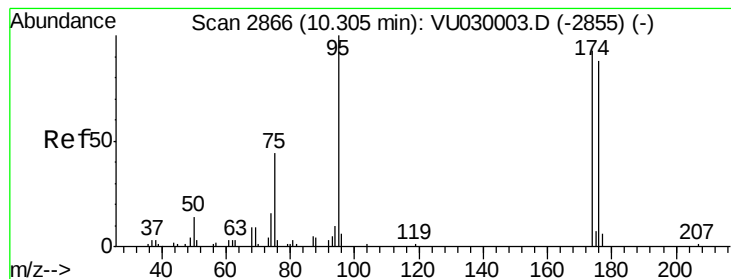
200

0

8.35 8.40

Time-->





#57

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

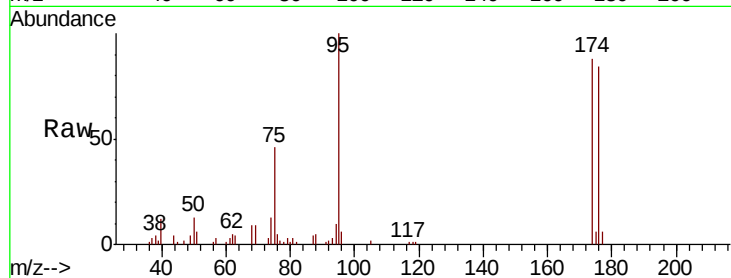
Tgt Ion: 95 Resp: 23395

Ion Ratio Lower Upper

95 100

174 91.3 78.1 117.1

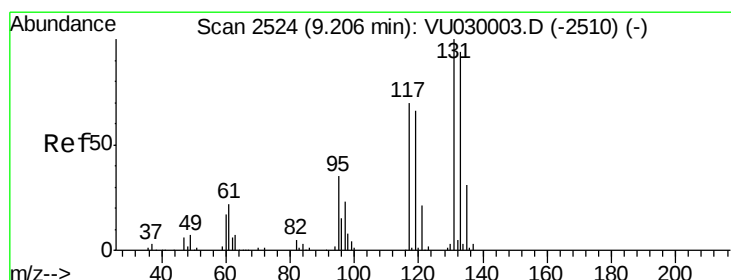
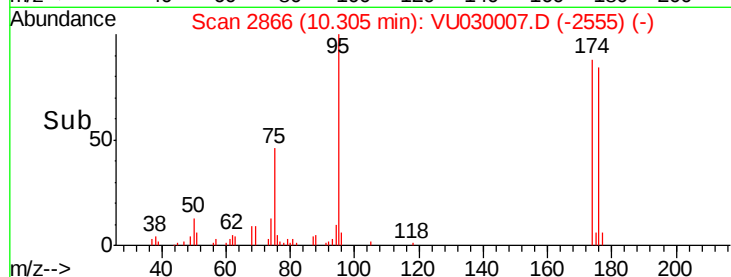
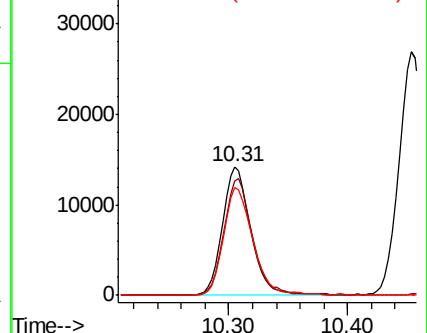
176 86.4 70.8 106.2



Abundance Ion 95.00 (94.70 to 95.70): VU030007.D (-2855) (-)

Ion 174.00 (173.70 to 174.70): VU030007.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU030007.D (-2855) (-)



#60

1,1,1,2-Tetrachloroethane

Concen: 12.930 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

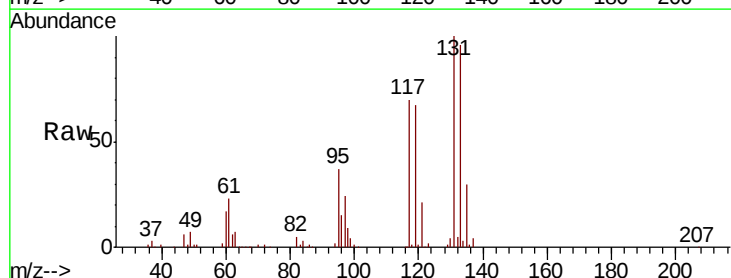
Tgt Ion: 131 Resp: 226964

Ion Ratio Lower Upper

131 100

133 95.7 75.6 113.4

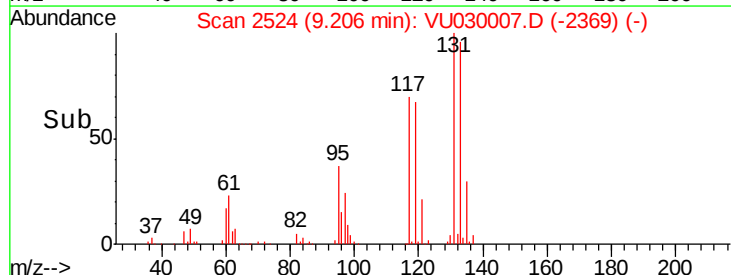
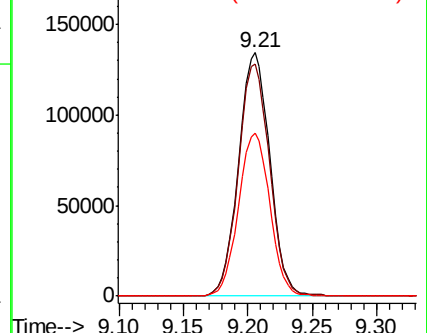
119 67.1 53.3 79.9

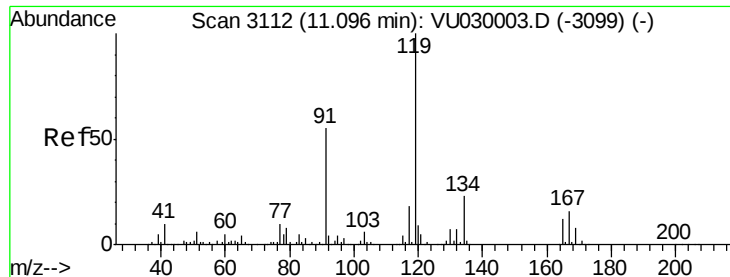


Abundance Ion 131.00 (130.70 to 131.70): VU030007.D (-2510) (-)

Ion 133.00 (132.70 to 133.70): VU030007.D (-2510) (-)

Ion 119.00 (118.70 to 119.70): VU030007.D (-2510) (-)

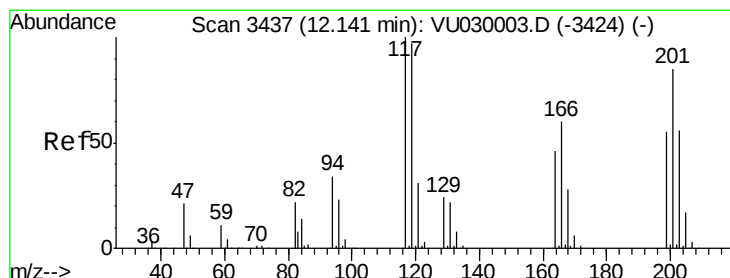
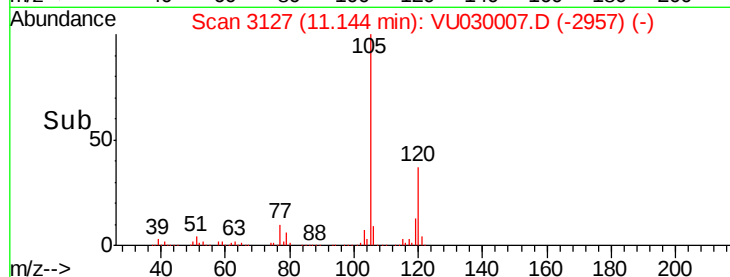
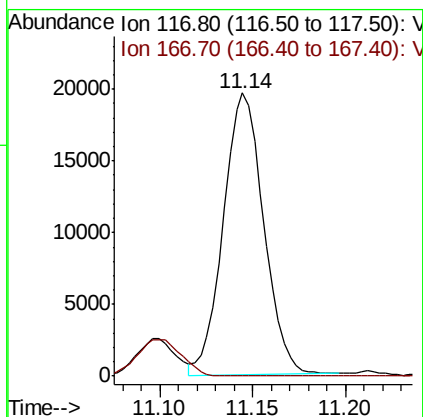
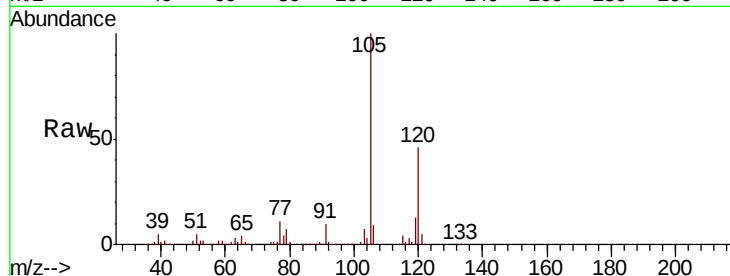




#61
 Pentachloroethane
 Concen: 2.186 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.05 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

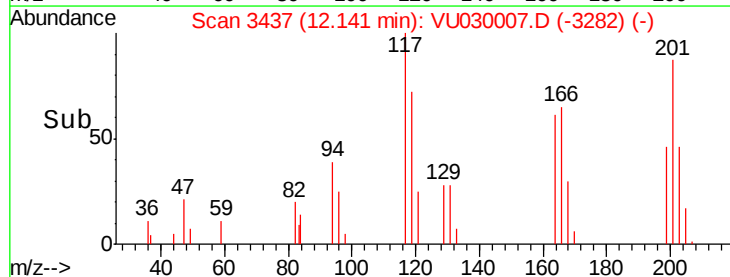
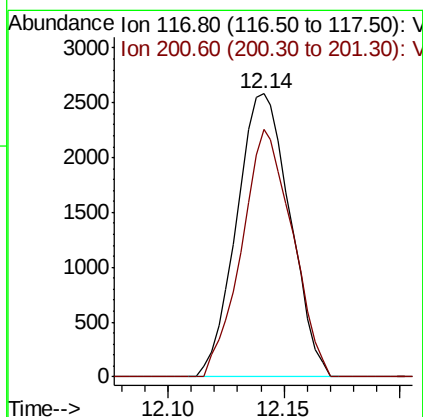
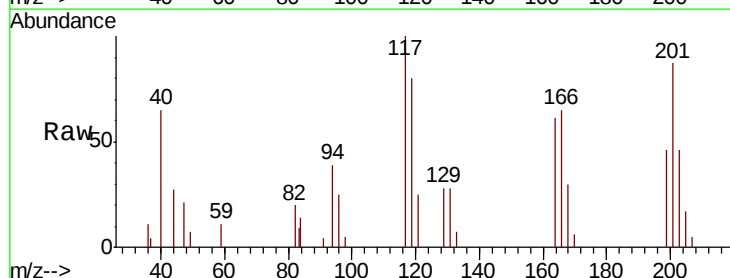
Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

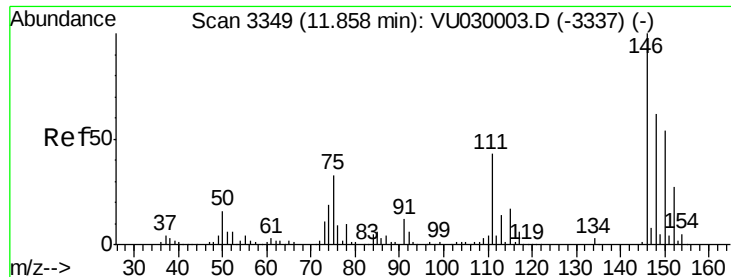
Tgt Ion:117 Resp: 29612
 Ion Ratio Lower Upper
 117 100
 167 14.5 73.1 109.7#



#62
 Hexachloroethane
 Concen: 0.303 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion:117 Resp: 4135
 Ion Ratio Lower Upper
 117 100
 201 83.0 69.5 104.3

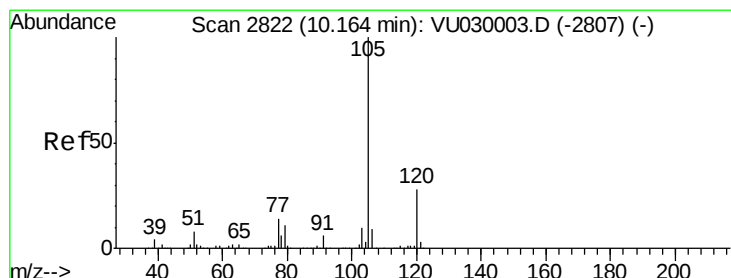
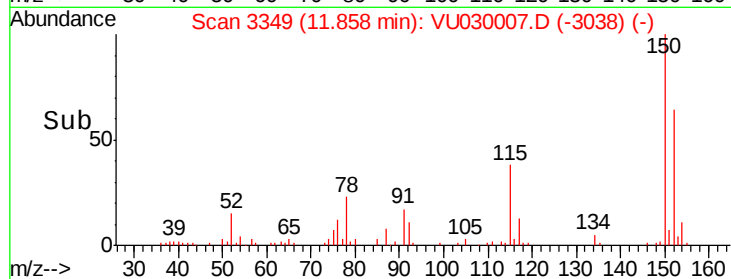
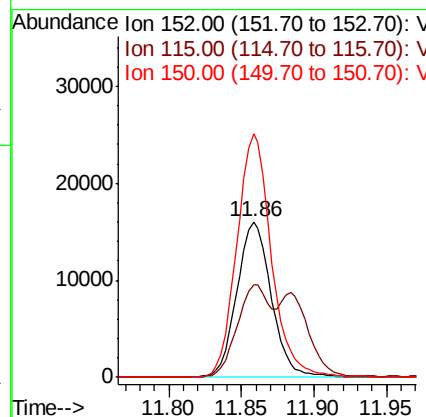
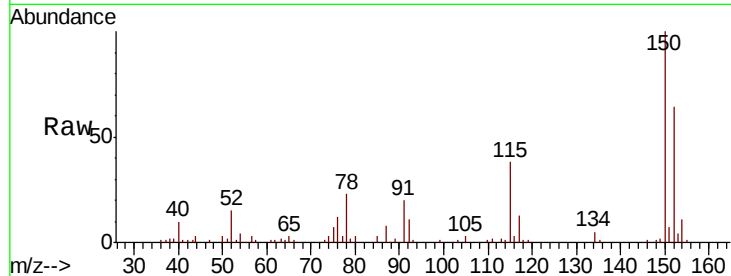




#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

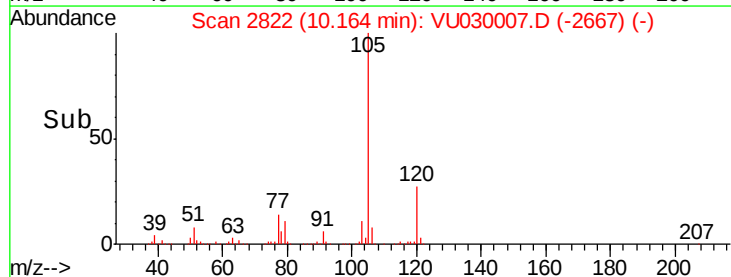
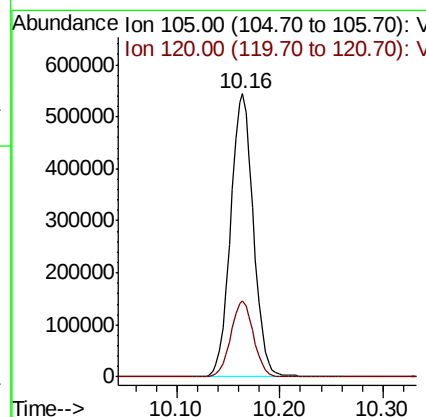
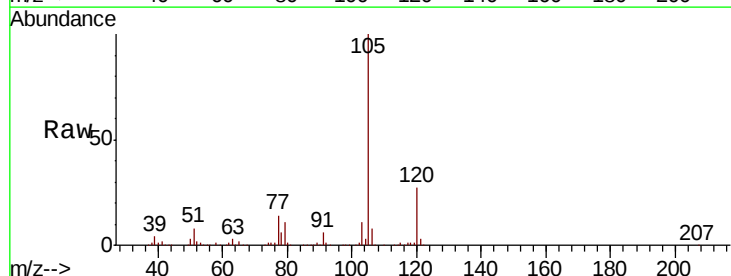
Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

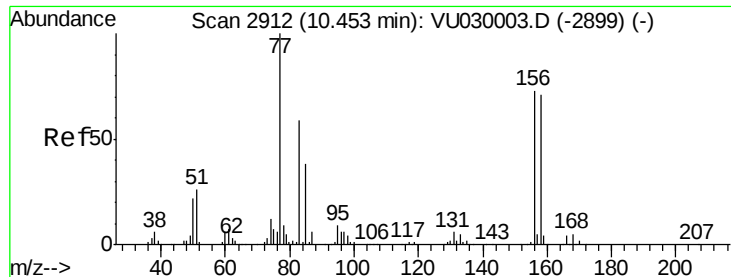
Tgt Ion:152 Resp: 26407
 Ion Ratio Lower Upper
 152 100
 115 55.3 0.0 126.8
 150 156.5 0.0 634.2



#69
 Isopropylbenzene
 Concen: 10.193 ug/l
 RT: 10.16 min Scan# 2822
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion:105 Resp: 836966
 Ion Ratio Lower Upper
 105 100
 120 26.8 13.5 40.5





#70

1,1,2,2-Tetrachloroethane

Concen: 17.879 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

38023-122017

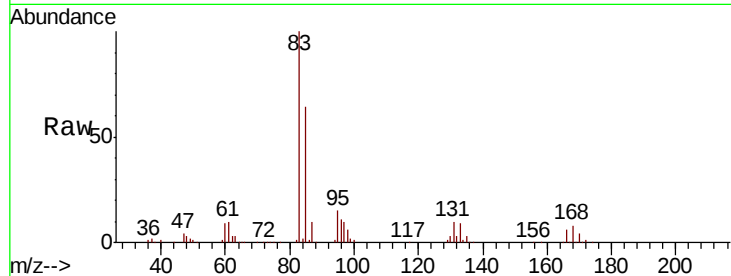
Tgt Ion: 83 Resp: 295700

Ion Ratio Lower Upper

83 100

131 9.5 8.4 12.6

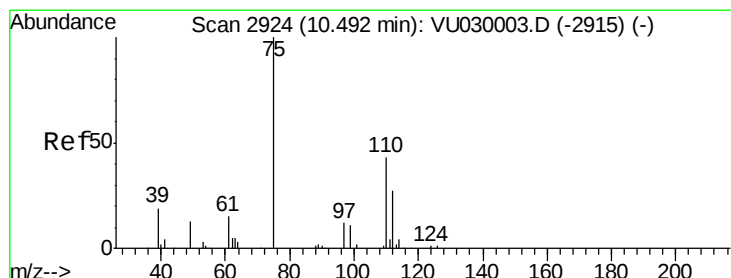
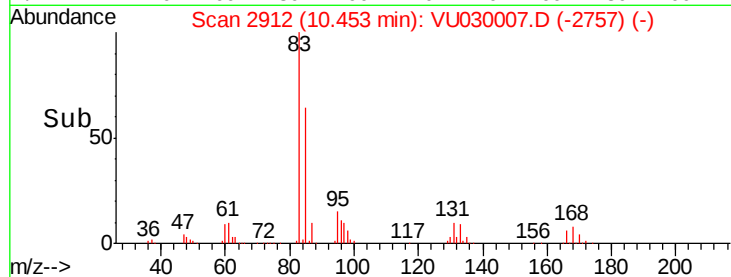
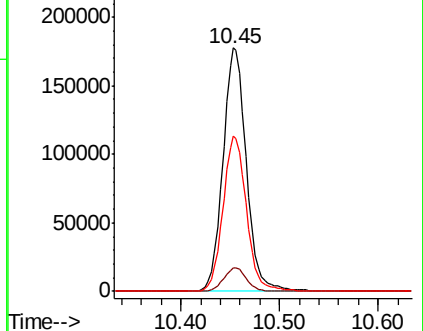
85 64.1 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VU030003.D (-2899) (-)

Ion 131.00 (130.70 to 131.70): VU030003.D (-2899) (-)

Ion 85.00 (84.70 to 85.70): VU030003.D (-2899) (-)



#71

1,2,3-Trichloropropane

Concen: 16.369 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Tgt Ion: 75 Resp: 203522

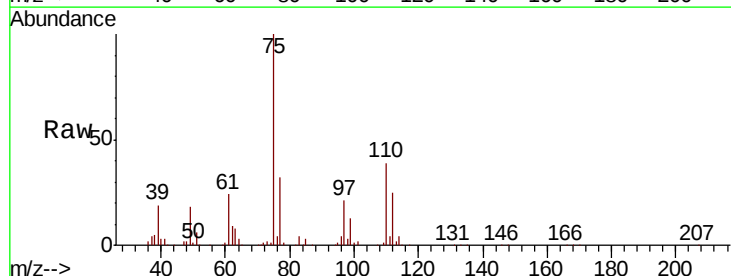
Ion Ratio Lower Upper

75 100

77 31.6 0.0 16.8#

110 38.7 0.0 76.8

97 21.8 0.0 40.8

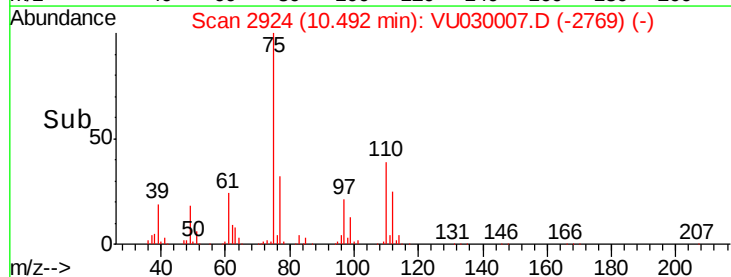
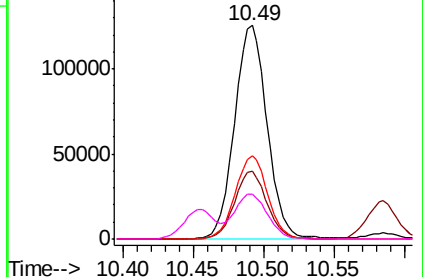


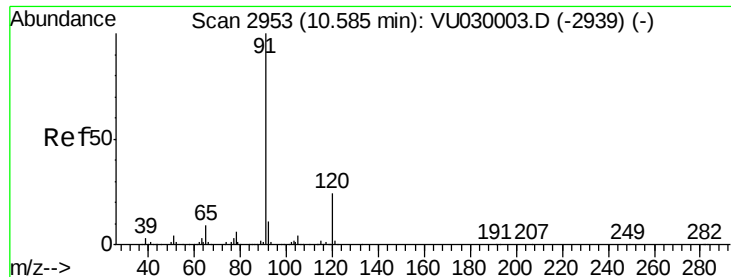
Abundance Ion 75.00 (74.70 to 75.70): VU030003.D (-2915) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-2915) (-)

Ion 110.00 (109.70 to 110.70): VU030003.D (-2915) (-)

Ion 97.00 (96.70 to 97.70): VU030003.D (-2915) (-)





#73

n-propylbenzene

Concen: 9.528 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

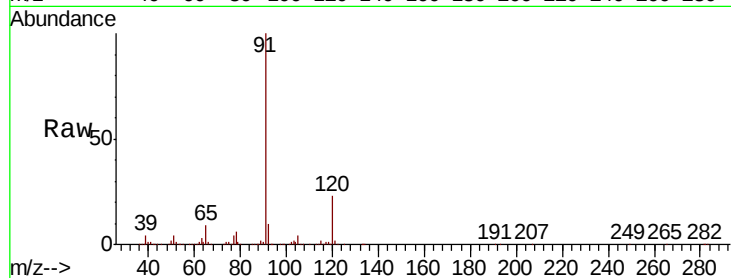
38023-122017

Tgt Ion:120 Resp: 221940

Ion Ratio Lower Upper

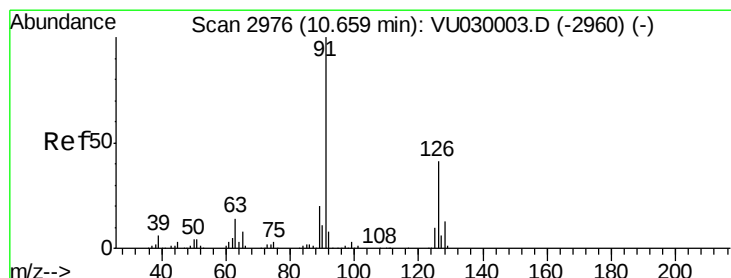
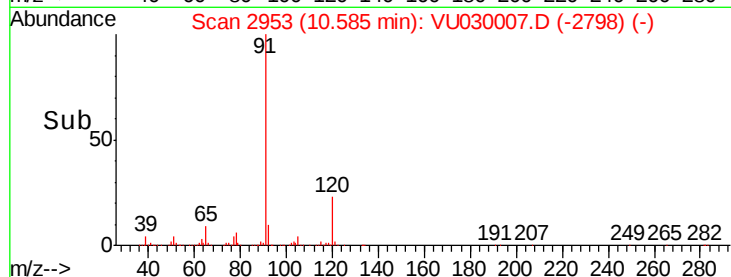
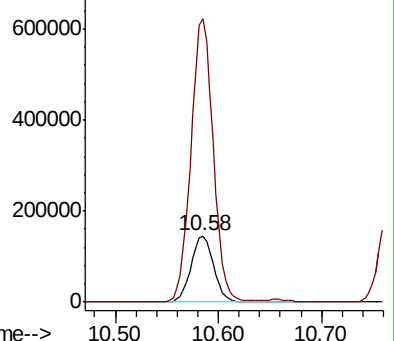
120 100

91 420.8 335.4 503.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 7.053 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.11 min

Lab File: VU030007.D

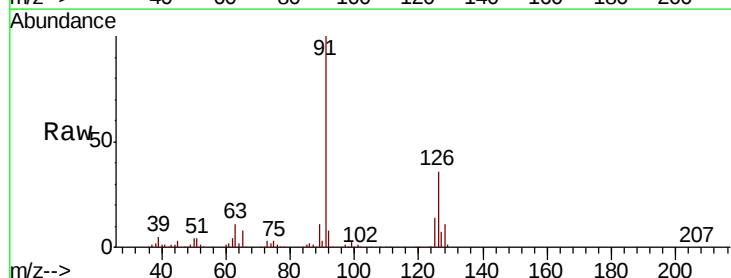
Acq: 12 Mar 2019 14:37

Tgt Ion:126 Resp: 143883

Ion Ratio Lower Upper

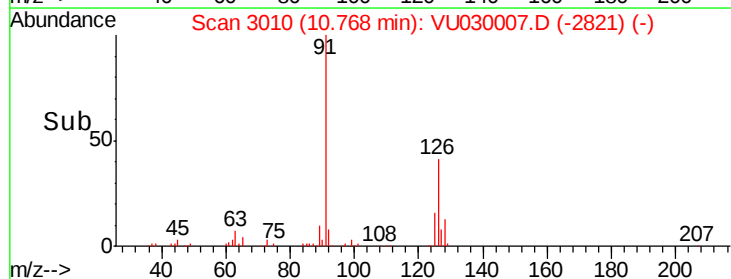
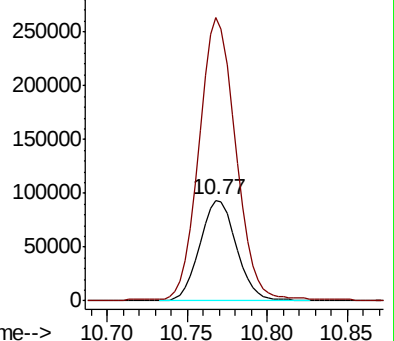
126 100

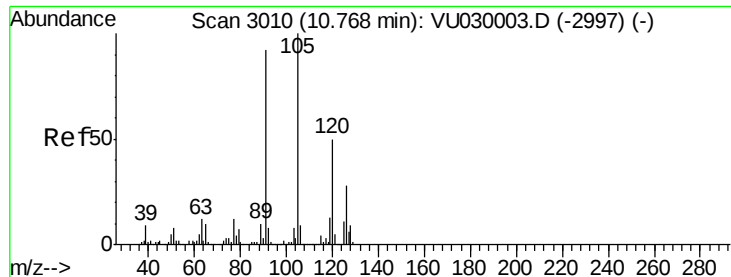
91 286.5 0.0 561.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.499 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.18 min

Lab File: VU030007.D

Acq: 12 Mar 2019 14:37

Instrument :

MSVOA_U

ClientSampleId :

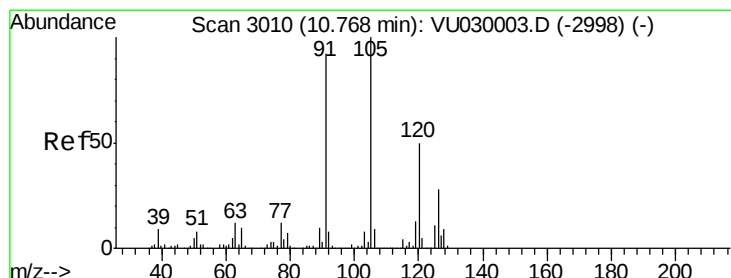
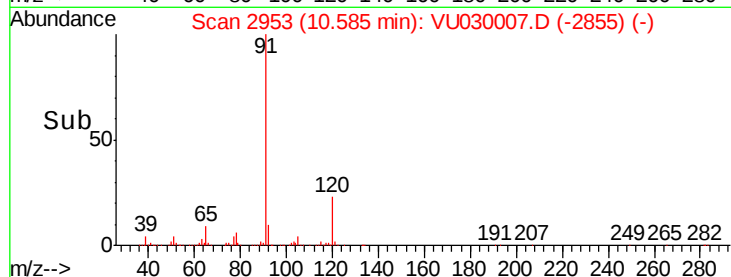
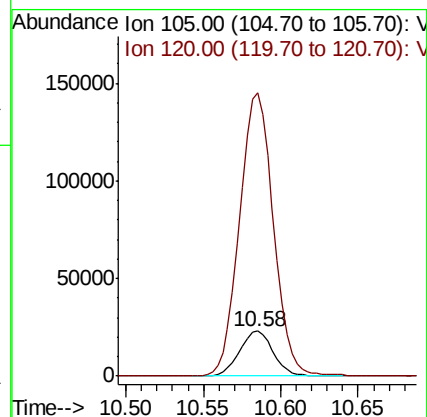
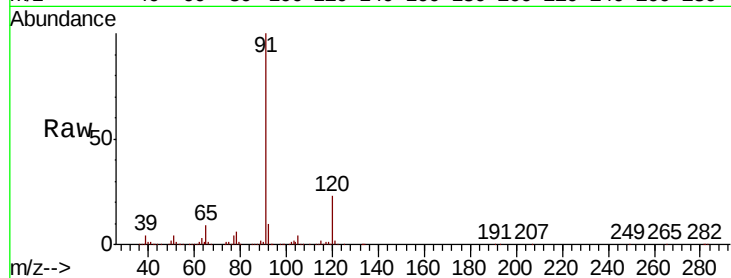
38023-122017

Tgt Ion:105 Resp: 34924

Ion Ratio Lower Upper

105 100

120 635.5 39.8 59.8#



#76

4-Chlorotoluene

Concen: 6.910 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030007.D

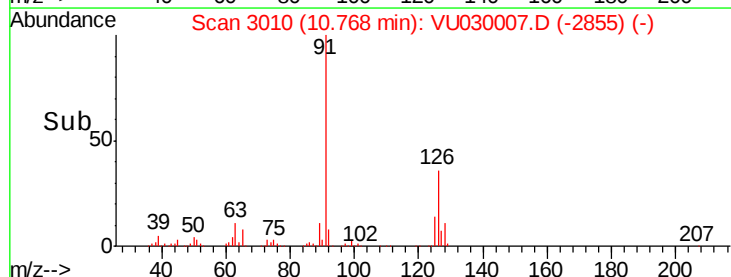
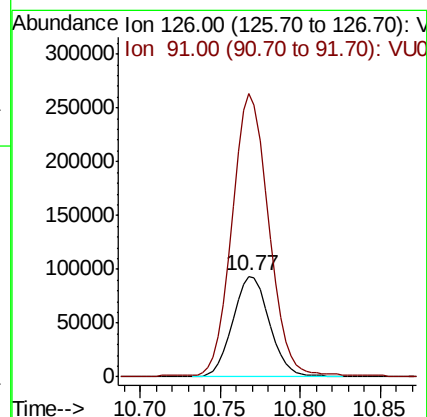
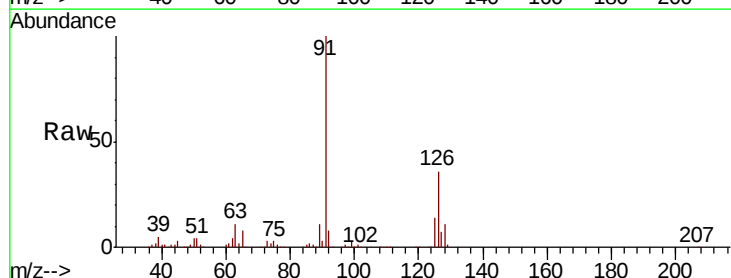
Acq: 12 Mar 2019 14:37

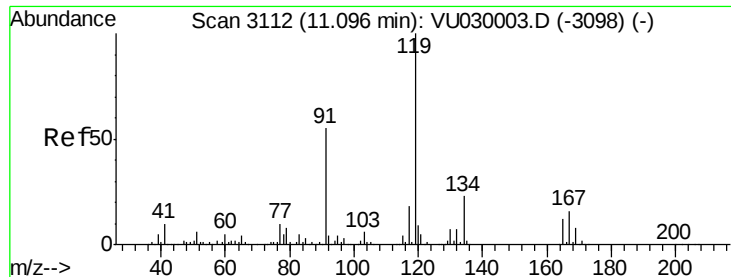
Tgt Ion:126 Resp: 143883

Ion Ratio Lower Upper

126 100

91 286.5 0.0 641.8

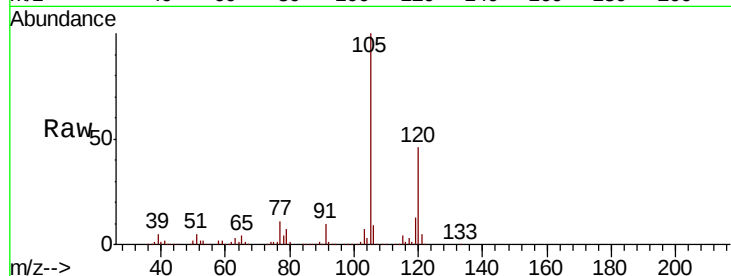




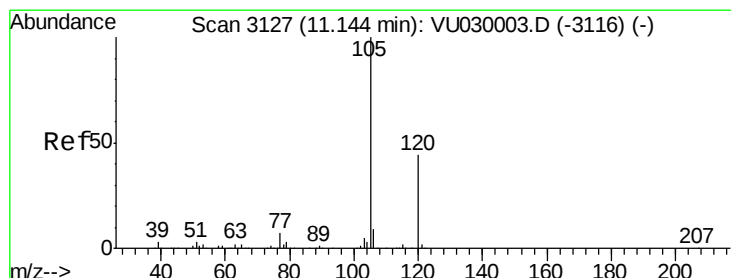
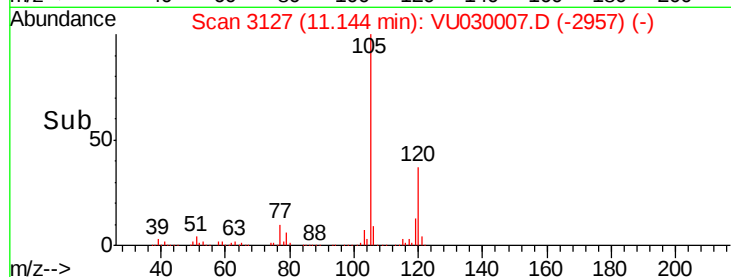
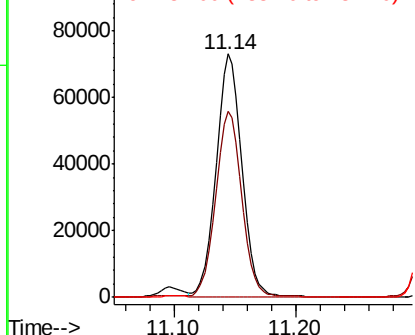
#77
 tert-Butylbenzene
 Concen: 1.594 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.05 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

Tgt Ion:119 Resp: 109153
 Ion Ratio Lower Upper
 119 100
 91 75.9 27.6 82.8
 134 0.0 18.7 28.1#

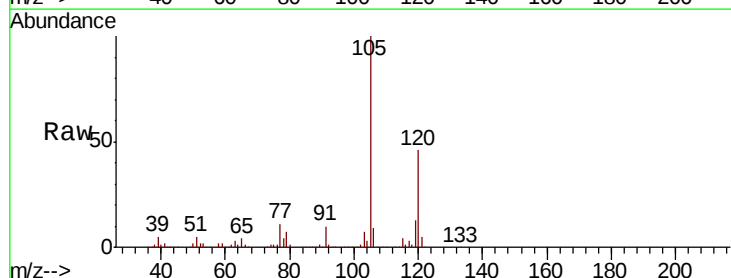


Abundance Ion 119.00 (118.70 to 119.70): V
 100000 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

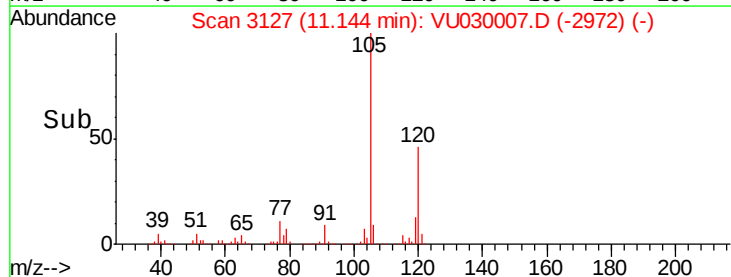
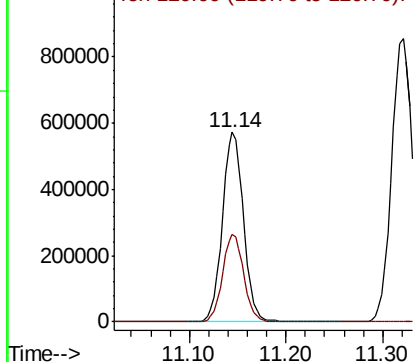


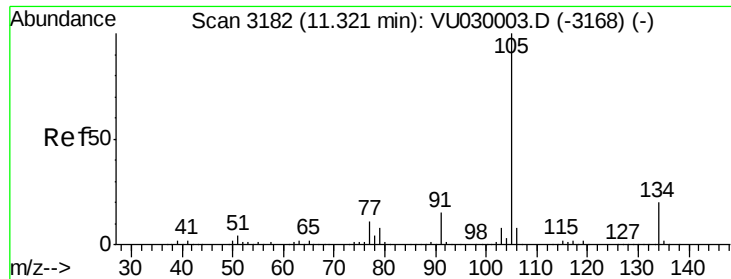
#78
 1,2,4-Trimethylbenzene
 Concen: 12.141 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion:105 Resp: 863744
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V
 1000000 Ion 120.00 (119.70 to 120.70): V

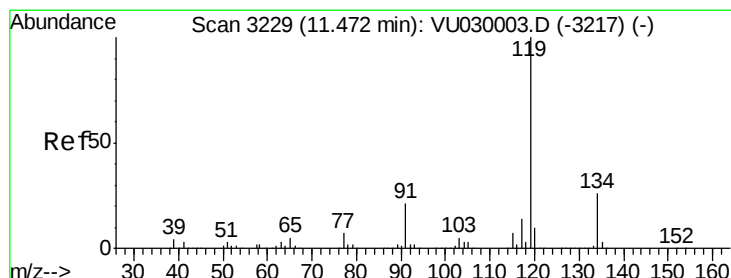
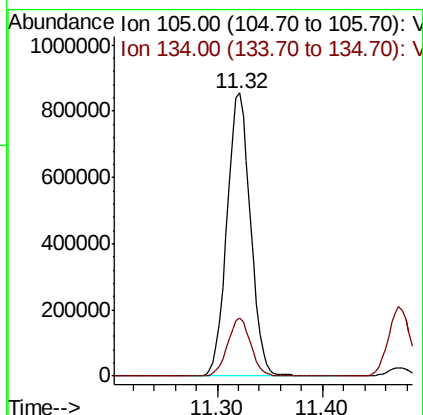
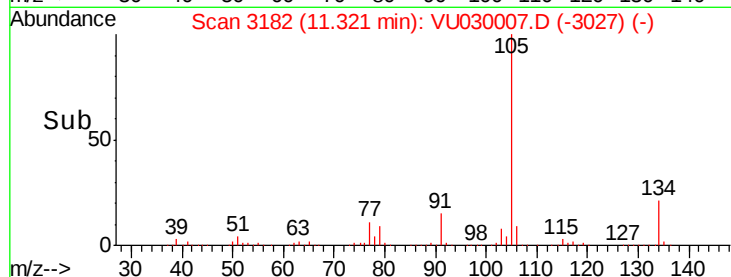
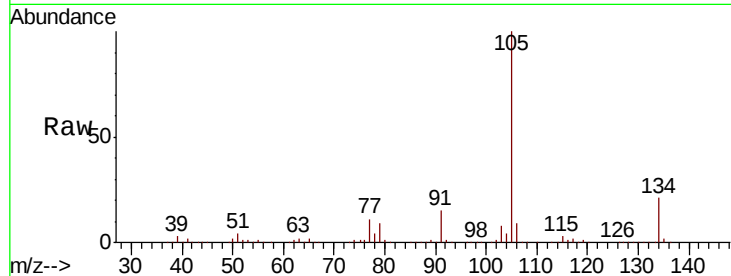




#79
 sec-Butylbenzene
 Concen: 14.315 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

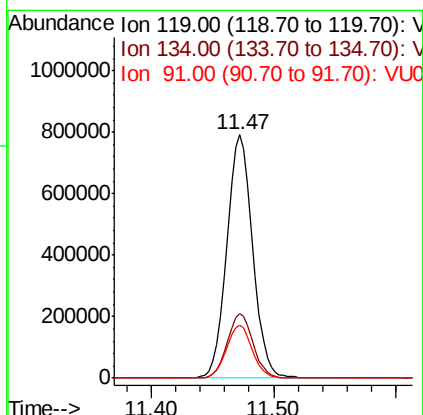
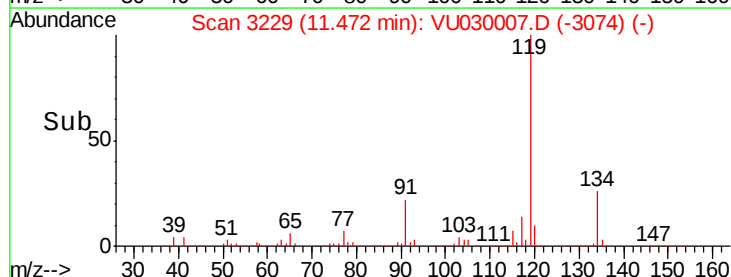
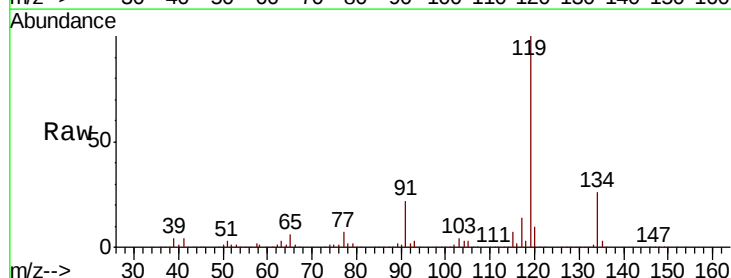
Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

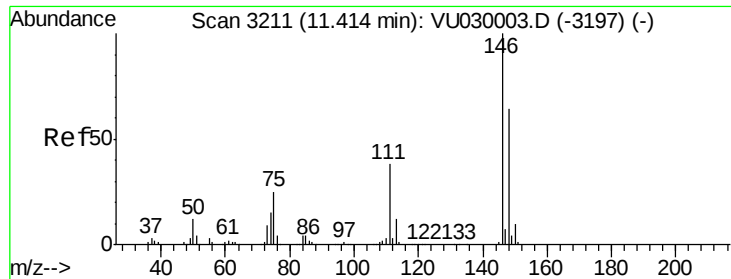
Tgt Ion:105 Resp: 1313138
 Ion Ratio Lower Upper
 105 100
 134 20.3 16.1 24.1



#81
 p-Isopropyltoluene
 Concen: 15.201 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion:119 Resp: 1169597
 Ion Ratio Lower Upper
 119 100
 134 26.6 21.2 31.8
 91 21.8 17.0 25.6

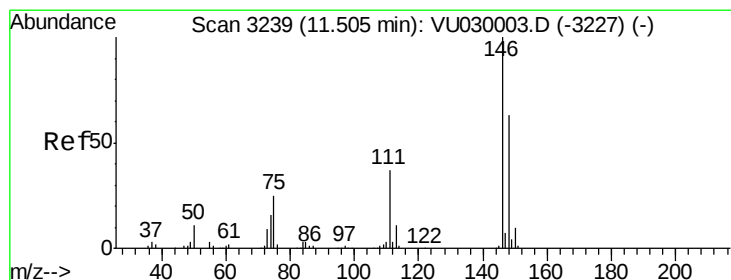
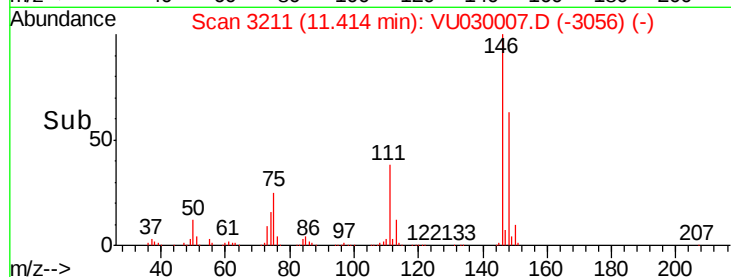
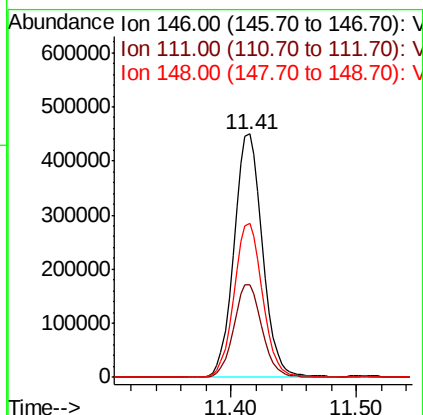
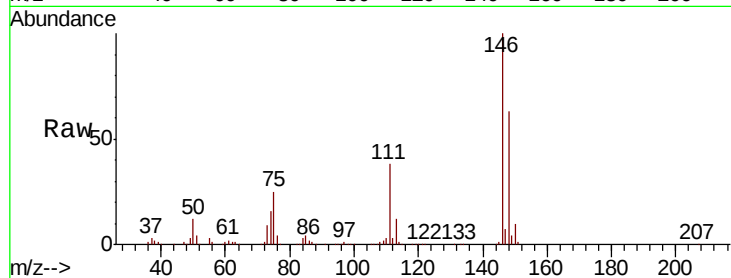




#82
 1,3-Dichlorobenzene
 Concen: 16.282 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

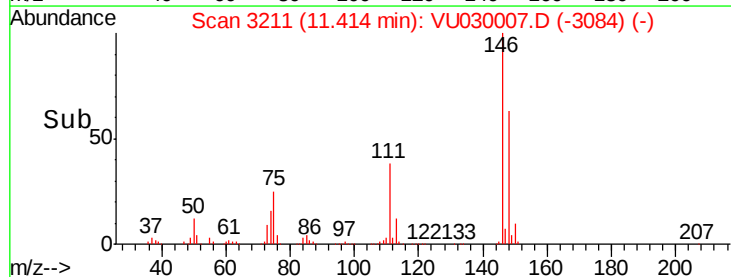
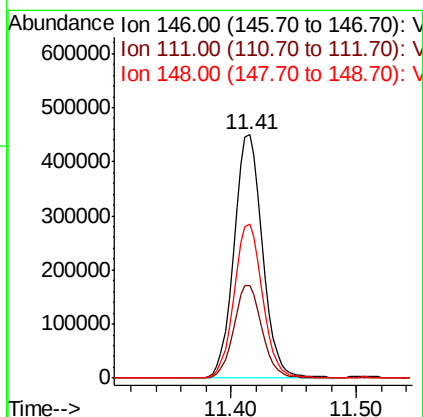
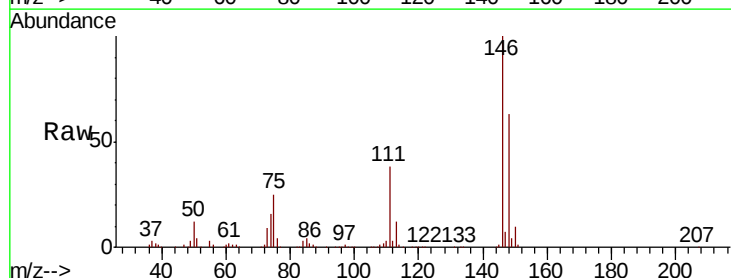
Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

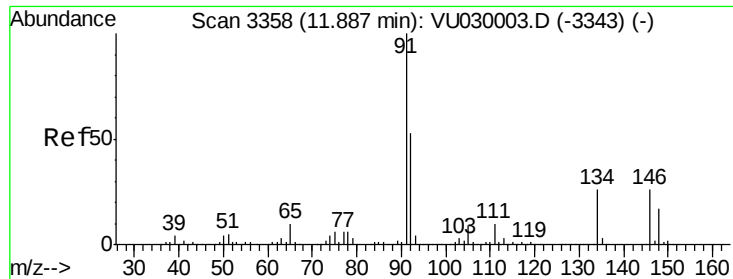
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	30.3	45.5
148	63.5	51.1	76.7



#83
 1,4-Dichlorobenzene
 Concen: 16.197 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.09 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	29.3	43.9
148	63.5	50.6	76.0

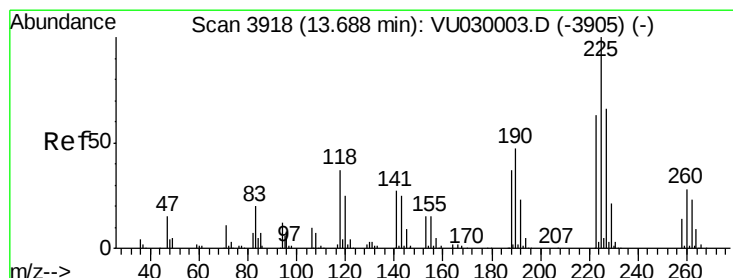
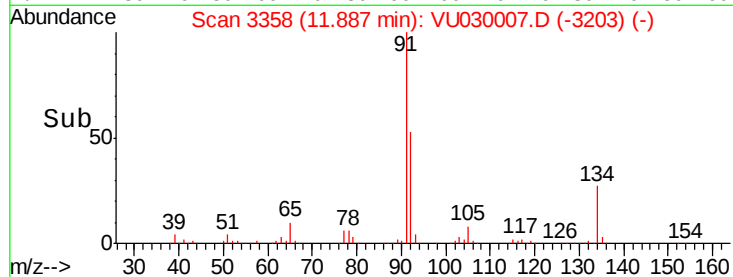
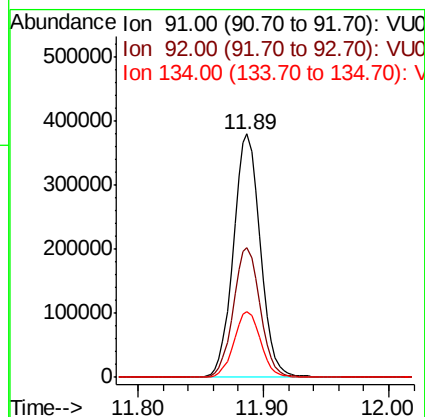
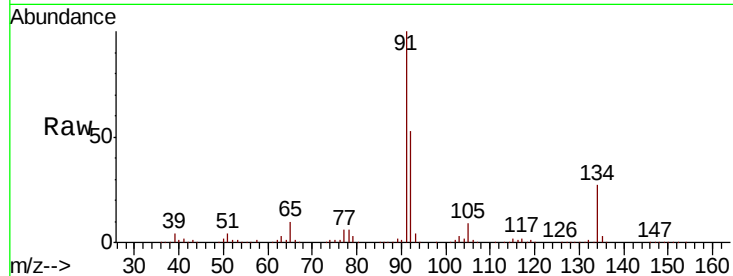




#84
n-Butylbenzene
Concen: 7.873 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

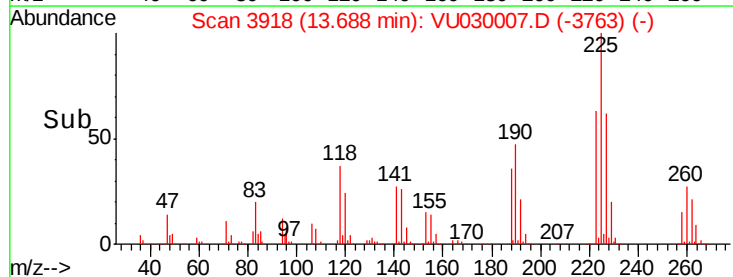
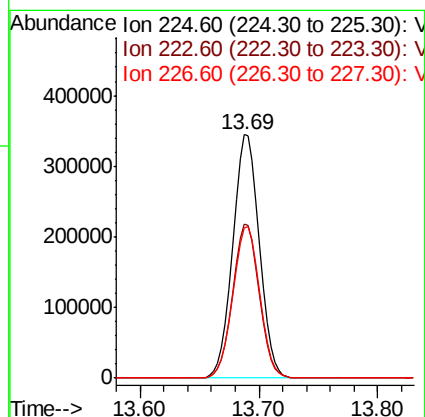
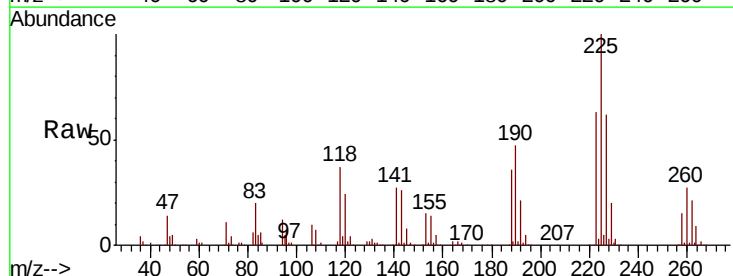
Instrument :
MSVOA_U
ClientSampleId :
38023-122017

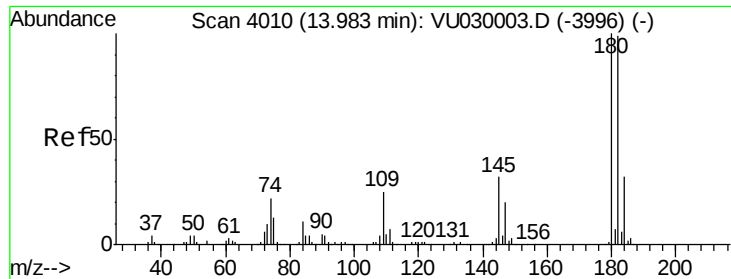
Tgt Ion: 91 Resp: 565820
Ion Ratio Lower Upper
91 100
92 53.3 42.4 63.6
134 27.0 21.4 32.0



#88
Hexachlorobutadiene
Concen: 33.642 ug/l
RT: 13.69 min Scan# 3918
Delta R.T. -0.00 min
Lab File: VU030007.D
Acq: 12 Mar 2019 14:37

Tgt Ion: 225 Resp: 532689
Ion Ratio Lower Upper
225 100
223 63.1 50.7 76.1
227 63.0 52.6 78.8





#90
 1,2,3-Trichlorobenzene
 Concen: 7.178 ug/l
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030007.D
 Acq: 12 Mar 2019 14:37

Instrument :
 MSVOA_U
 ClientSampleId :
 38023-122017

Tgt Ion:	180	Resp:	189976
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.6	116.4
145	30.2	24.7	37.1

