

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092220\
 Data File : VU040250.D
 Acq On : 22 Sep 2020 16:32
 Operator : SY/MD
 Sample : VU0922WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

Quant Time: Sep 23 08:22:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	38423	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	14394	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	14093	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32933	1.938	ug/l 97
3) Chloromethane	1.52	50	32489	2.389	ug/l 97
4) Vinyl Chloride	1.61	62	30540	1.989	ug/l 100
5) Bromomethane	1.86	94	16542	3.437	ug/l 92
6) Chloroethane	1.94	64	18673	2.123	ug/l 99
7) Trichlorofluoromethane	2.15	101	42814	1.976	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17866	1.846	ug/l 98
9) 1,1-Dichloroethene	2.59	96	13552	1.829	ug/l 96
13) Acetone	2.66	43	54120	9.636	ug/l 98
14) Carbon Disulfide	2.80	76	22927	1.769	ug/l 97
15) Methylene Chloride	3.06	84	41596	3.340	ug/l 94
16) trans-1,2-Dichloroethene	3.37	96	15765	1.979	ug/l 94
17) 1,1-Dichloroethane	3.89	63	38959	1.992	ug/l 98
18) 2-Butanone	4.74	43	81422	9.599	ug/l 100
19) Cyclohexane	5.40	56	21644	1.782	ug/l 99
20) Methylcyclohexane	6.77	83	21684	1.762	ug/l 94
22) cis-1,2-Dichloroethene	4.68	96	19908	1.983	ug/l 86
25) Methyl tert-Butyl Ether	3.38	73	50026	1.864	ug/l 99
26) Bromochloromethane	4.99	128	9935	2.036	ug/l 95
27) Chloroform	5.11	83	42488	1.986	ug/l 98
28) 1,1,1-Trichloroethane	5.33	97	34384	1.912	ug/l 97
30) Carbon Tetrachloride	5.54	117	29104	1.971	ug/l 98
35) Benzene	5.79	78	76249	1.986	ug/l 99
36) 1,2-Dichloroethane	5.81	62	29562	1.916	ug/l 98
37) Trichloroethene	6.55	130	19769	2.005	ug/l 91
38) 1,2-Dichloropropane	6.80	63	22390	1.885	ug/l 92
44) Bromodichloromethane	7.11	83	30658	1.888	ug/l 97
45) 4-Methyl-2-Pentanone	7.80	43	173756	8.975	ug/l 99
49) Toluene	7.97	92	48319	1.985	ug/l 100
50) t-1,3-Dichloropropene	8.21	75	28365	1.865	ug/l 91
51) cis-1,3-Dichloropropene	7.61	75	29044	1.856	ug/l 97
52) 1,1,2-Trichloroethane	8.40	97	17988	1.906	ug/l 97
54) 2-Hexanone	8.69	43	121635	8.887	ug/l 97
55) Dibromochloromethane	8.81	129	21193	1.942	ug/l 99
56) 1,2-Dibromoethane	8.93	107	17069	1.968	ug/l 92
58) Tetrachloroethene	8.56	164	16188	2.209	ug/l 96
59) Chlorobenzene	9.45	112	56029	1.957	ug/l 98
63) Ethyl Benzene	9.57	91	85638	1.802	ug/l 99
64) m/p-Xylenes	9.69	106	33391	3.699	ug/l 94
65) o-Xylene	10.10	106	32446	1.873	ug/l 97
66) Styrene	10.11	104	55237	1.786	ug/l 97

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

Quant Time: Sep 23 08:22:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Sep 11 13:27:06 2020
 Response via : Initial Calibration

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

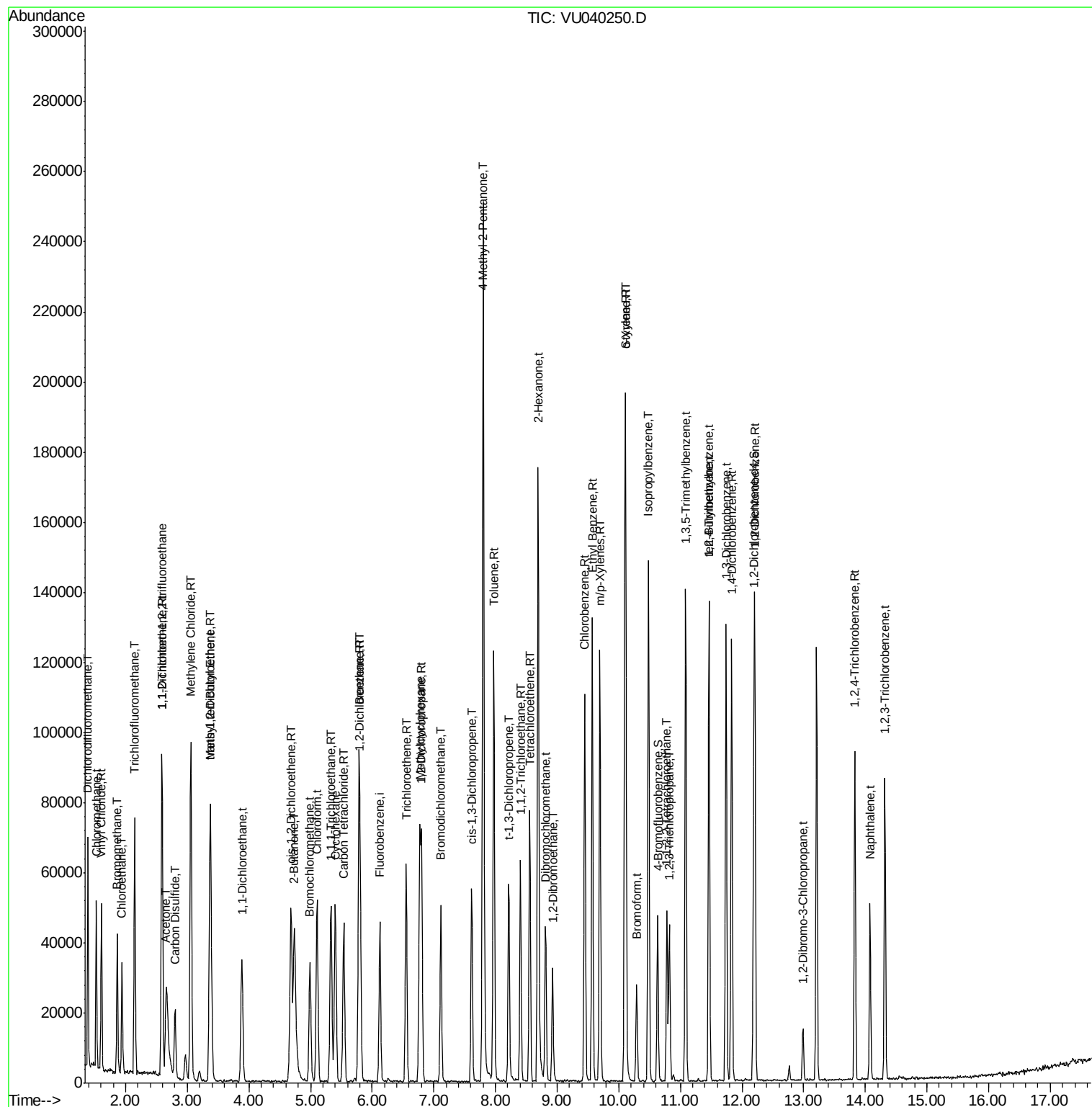
67) Bromoform	10.29	173	11405	1.996	ug/l	94
69) Isopropylbenzene	10.48	105	88474	1.844	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	23102	1.880	ug/l	98
71) 1,2,3-Trichloropropane	10.82	75	18013	1.918	ug/l	81
75) 1,3,5-Trimethylbenzene	11.09	105	72138	1.725	ug/l	97
77) tert-Butylbenzene	11.46	119	9096	1.813	ug/l #	60
78) 1,2,4-Trimethylbenzene	11.46	105	72963	1.754	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	48951	2.024	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	46234	1.955	ug/l	97
85) 1,2-Dichlorobenzene	12.21	146	45203	2.005	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	3793	1.813	ug/l	93
87) 1,2,4-Trichlorobenzene	13.83	180	25058	1.934	ug/l	98
89) Naphthalene	14.08	128	37633	1.574	ug/l	97
90) 1,2,3-Trichlorobenzene	14.32	180	23822	1.935	ug/l	95

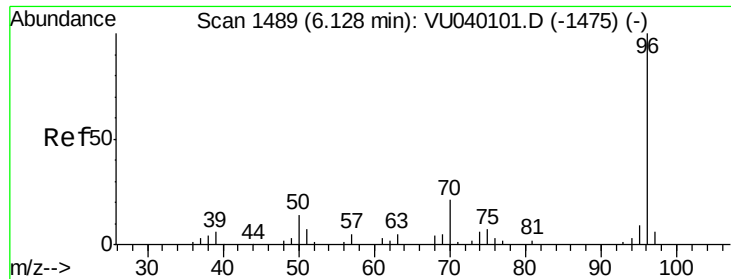
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092220\
Data File : VU040250.D
Acq On : 22 Sep 2020 16:32
Operator : SY/MD
Sample : VU092220WSD01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU092220WSD01

Quant Time: Sep 23 08:22:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U091120DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Sep 11 13:27:06 2020
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBSD01

Tot Ion: 96 Resp: 38423

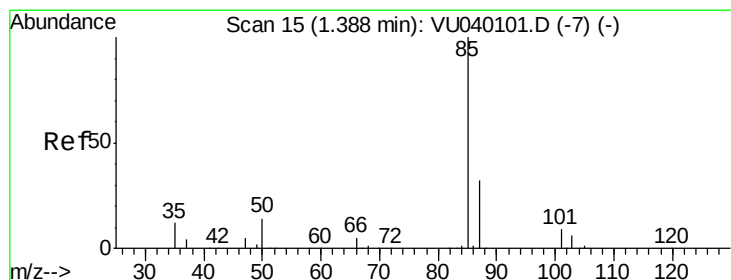
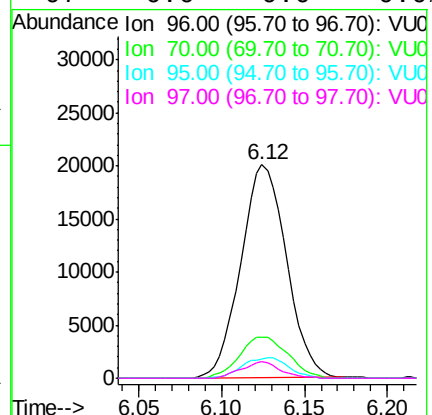
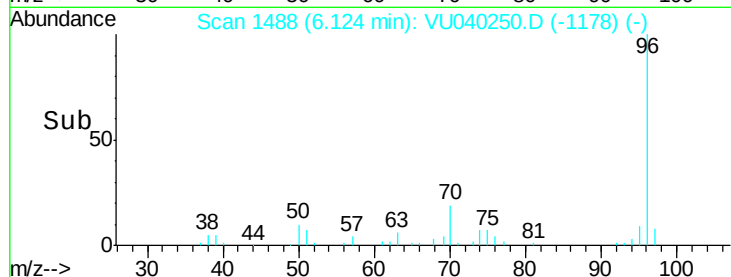
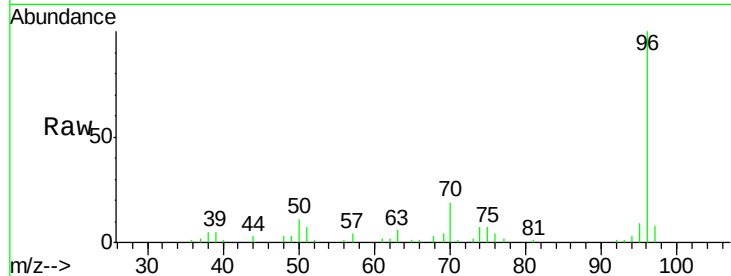
Ion Ratio Lower Upper

96 100

70 20.6 17.1 25.7

95 9.8 7.6 11.4

97 6.6 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.938 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040250.D

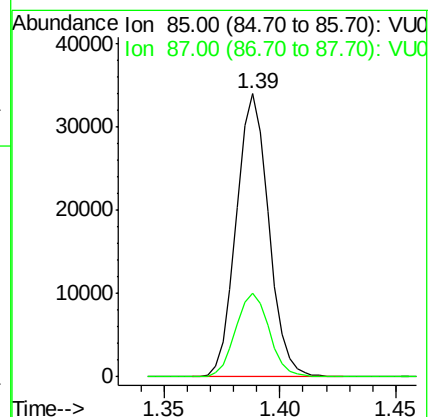
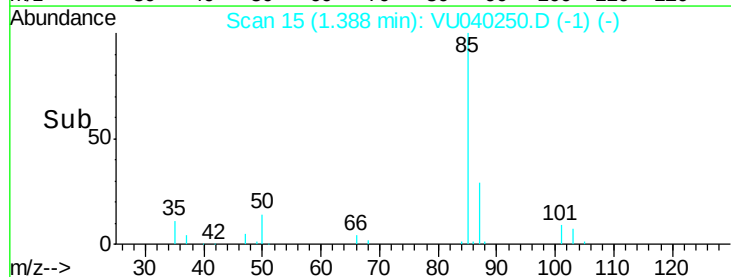
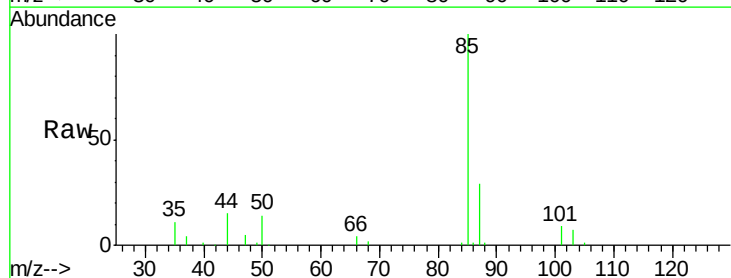
Acq: 22 Sep 2020 16:32

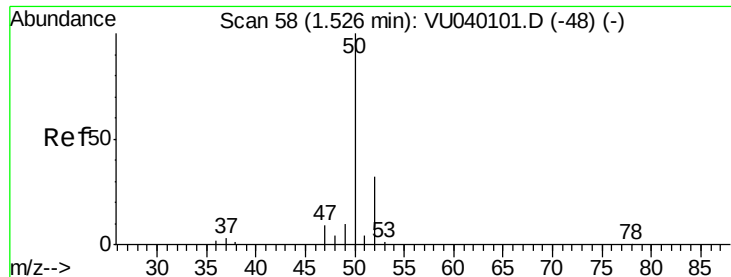
Tgt Ion: 85 Resp: 32933

Ion Ratio Lower Upper

85 100

87 29.5 15.6 46.8





#3

Chloromethane

Concen: 2.389 ug/l

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

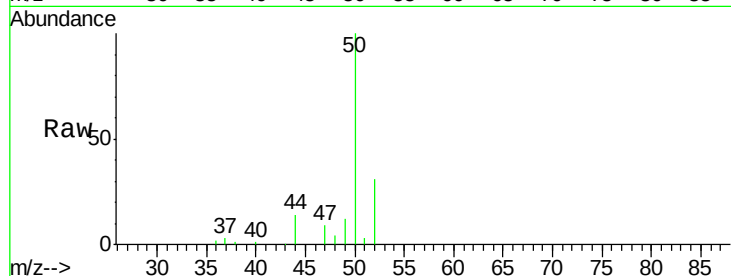
VU0922WBSD01

Tot Ion: 50 Resp: 32489

Ion Ratio Lower Upper

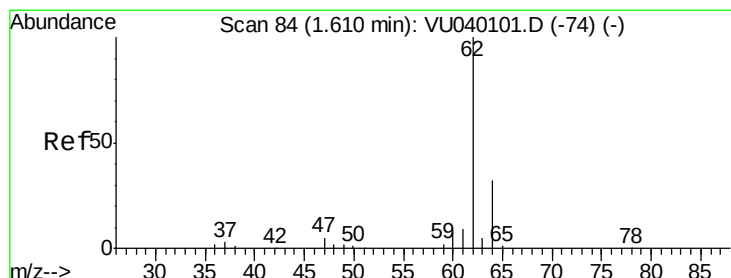
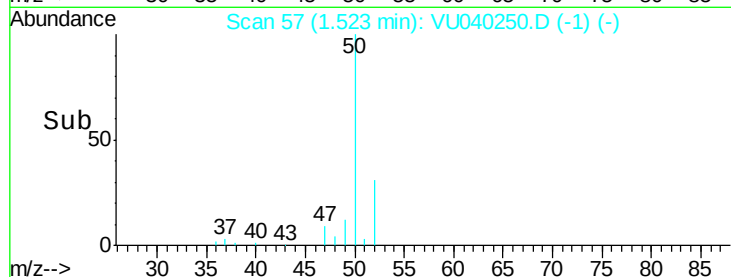
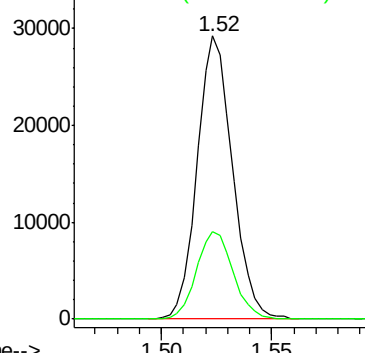
50 100

52 30.8 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.989 ug/l

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040250.D

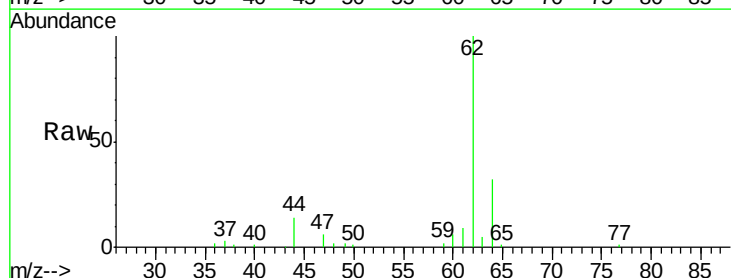
Acq: 22 Sep 2020 16:32

Tgt Ion: 62 Resp: 30540

Ion Ratio Lower Upper

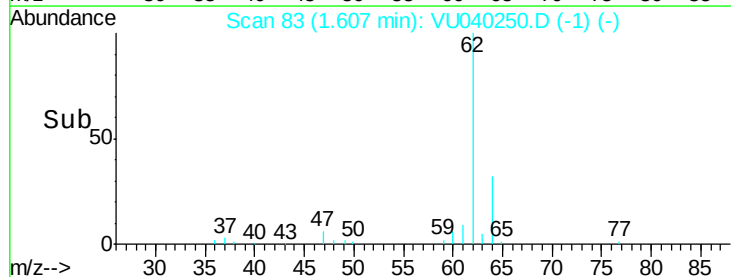
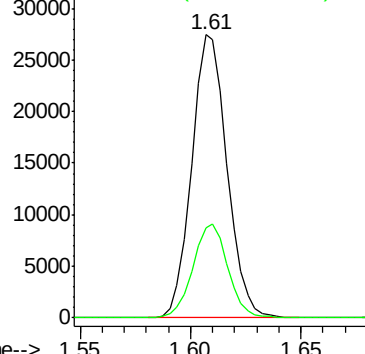
62 100

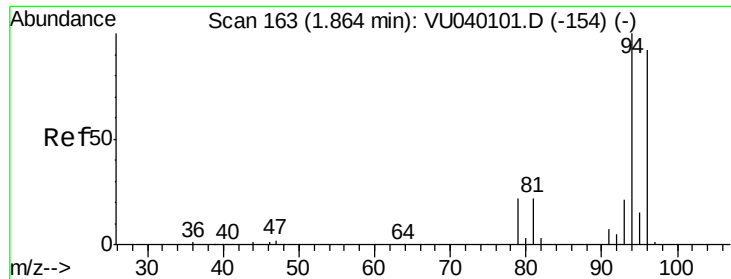
64 31.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 3.437 ug/l

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

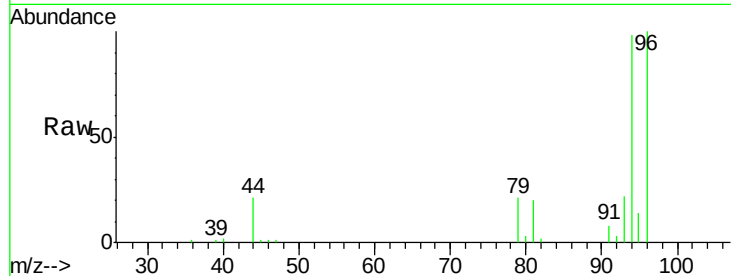
VU0922WBSD01

Tot Ion: 94 Resp: 16542

Ion Ratio Lower Upper

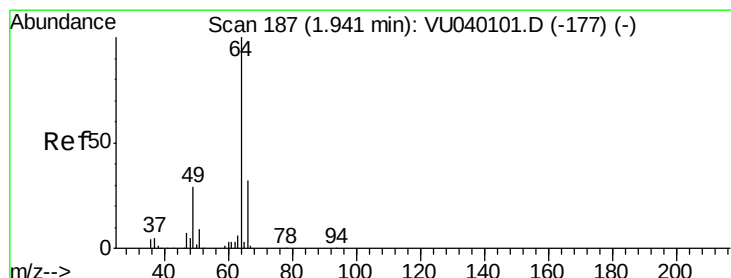
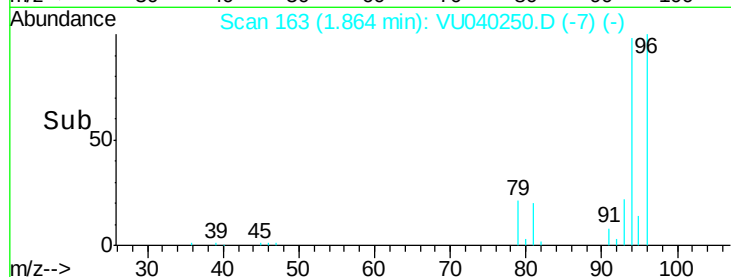
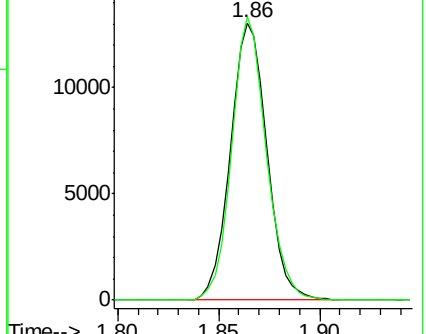
94 100

96 102.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.123 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040250.D

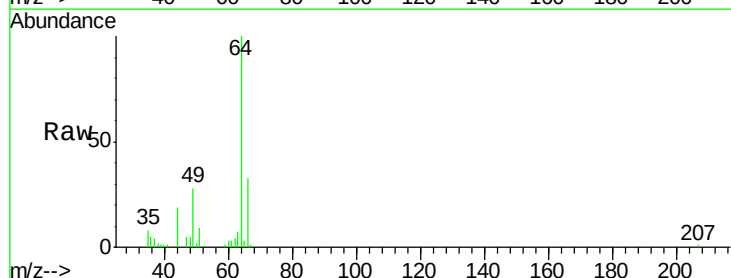
Acq: 22 Sep 2020 16:32

Tgt Ion: 64 Resp: 18673

Ion Ratio Lower Upper

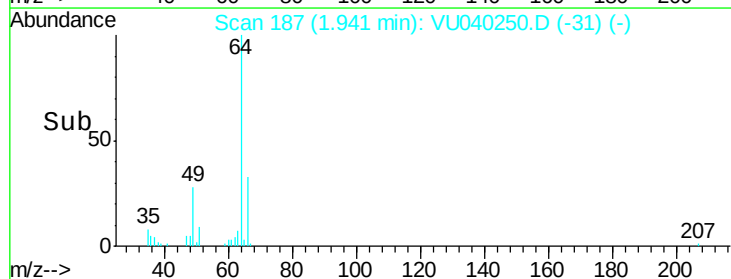
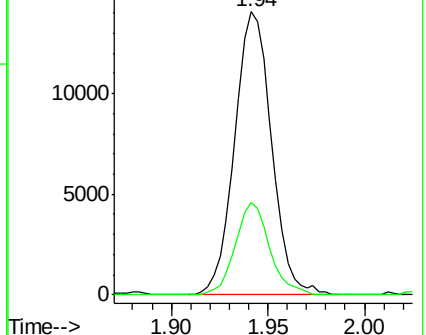
64 100

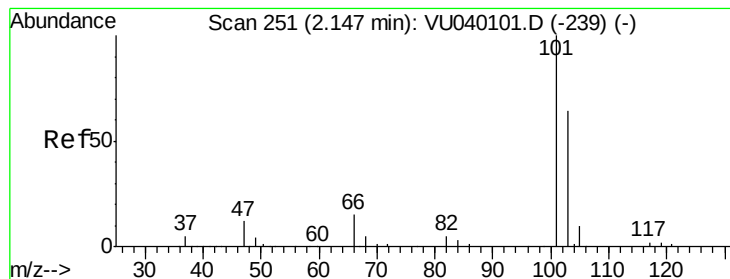
66 32.7 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



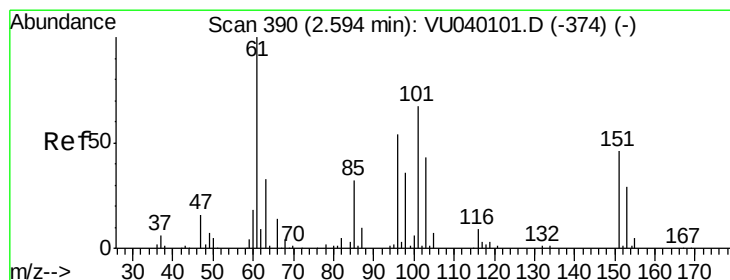
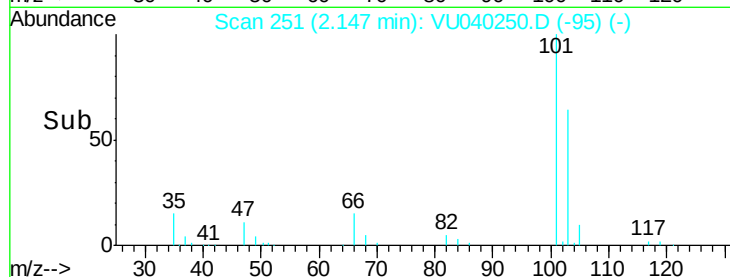
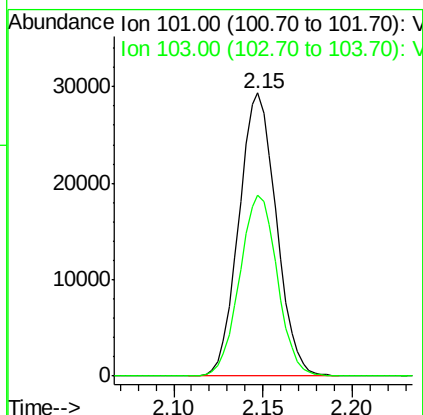
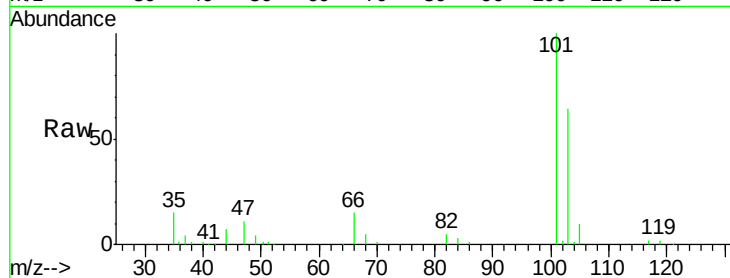


#7

Trichlorofluoromethane
 Concen: 1.976 ug/l
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

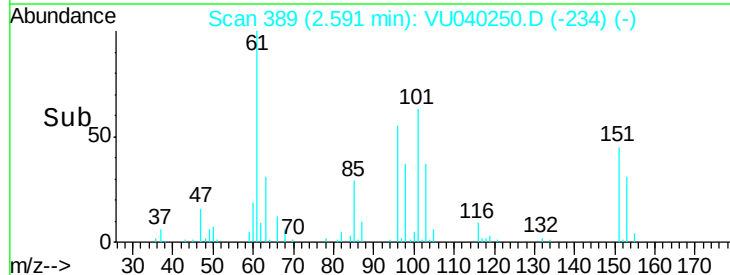
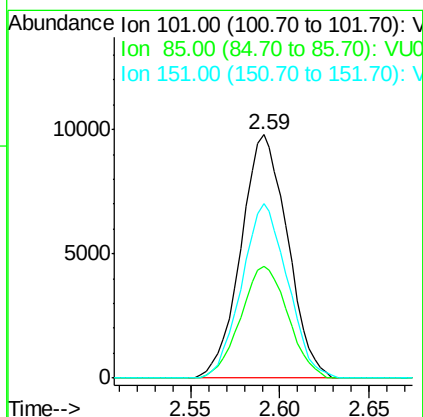
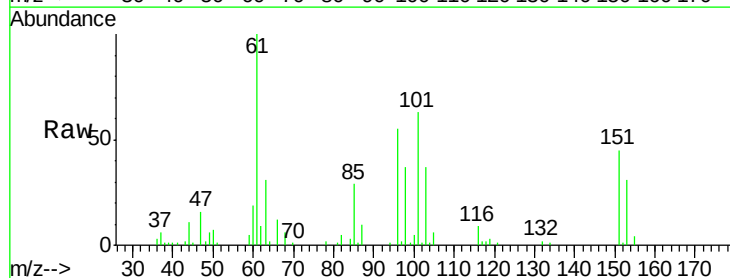
Tot Ion:101 Resp: 42814
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.8 76.2

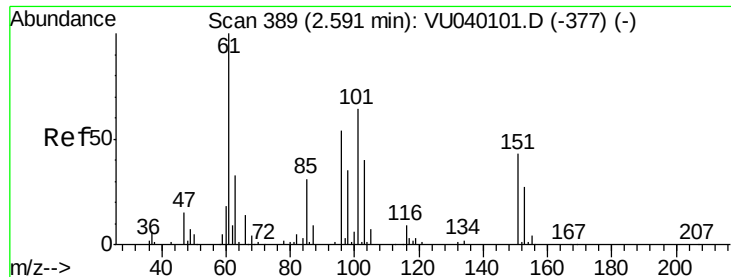


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.846 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion:101 Resp: 17866
 Ion Ratio Lower Upper
 101 100
 85 46.7 38.5 57.7
 151 70.4 54.6 81.8





#9

1,1-Dichloroethene

Concen: 1.829 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBSD01

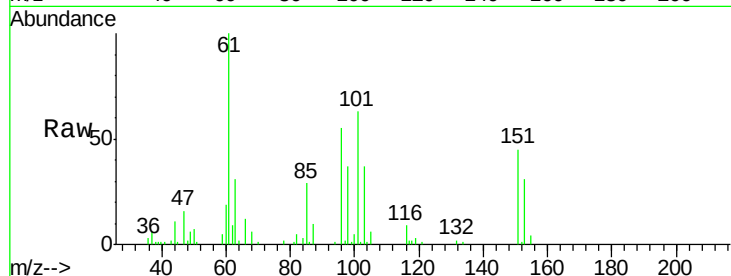
Tot Ion: 96 Resp: 13552

Ion Ratio Lower Upper

96 100

61 181.8 0.0 557.1

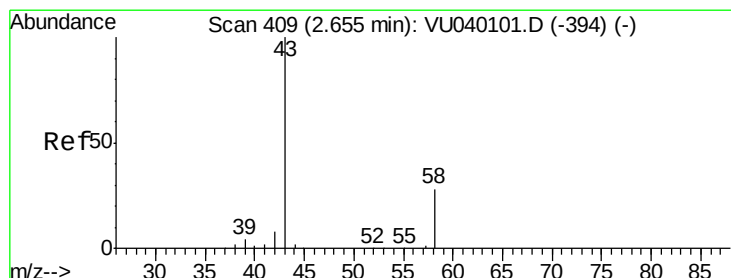
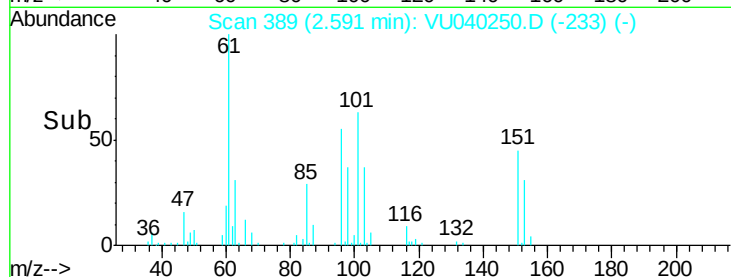
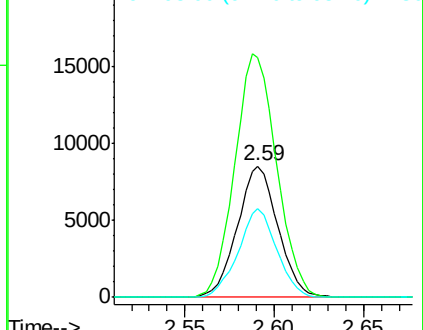
98 67.4 0.0 125.6



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



#13

Acetone

Concen: 9.636 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU040250.D

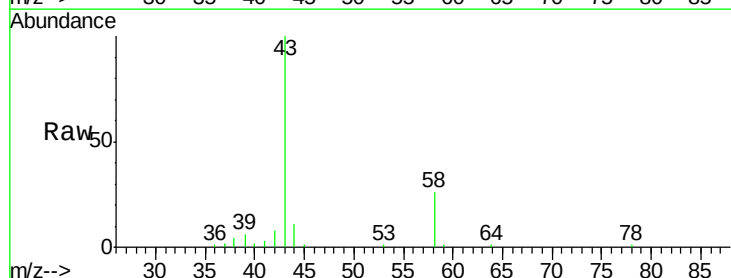
Acq: 22 Sep 2020 16:32

Tgt Ion: 43 Resp: 54120

Ion Ratio Lower Upper

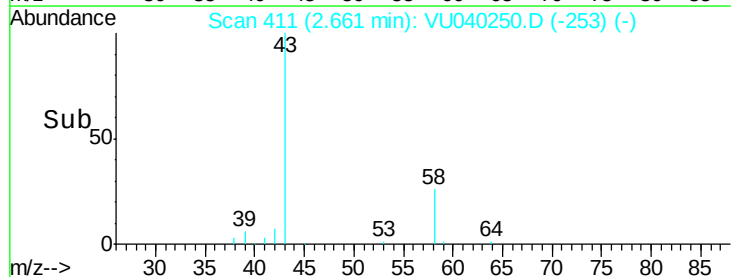
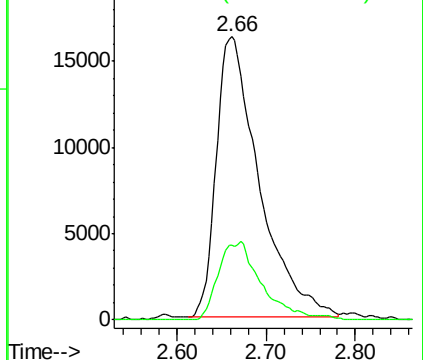
43 100

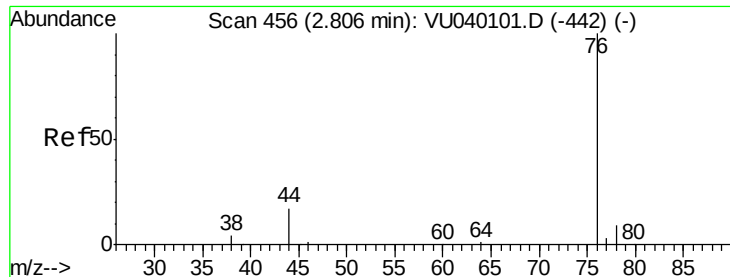
58 26.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon Disulfide

Concen: 1.769 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

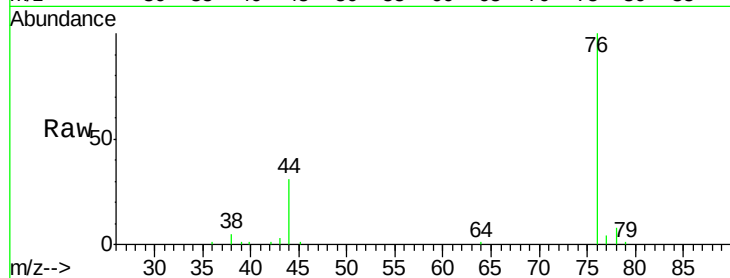
VU0922WBSD01

Tot Ion: 76 Resp: 22927

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU040101.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040101.D (-442) (-)

2.80

15000

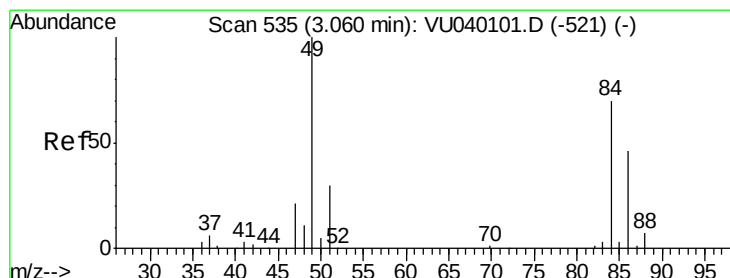
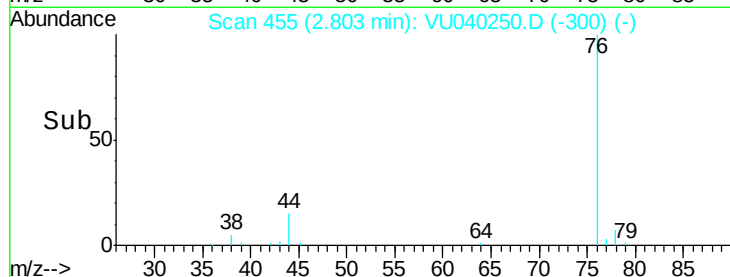
10000

5000

0

2.75 2.80 2.85

Time-->



#15

Methylene Chloride

Concen: 3.340 ug/l

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Tgt Ion: 84 Resp: 41596

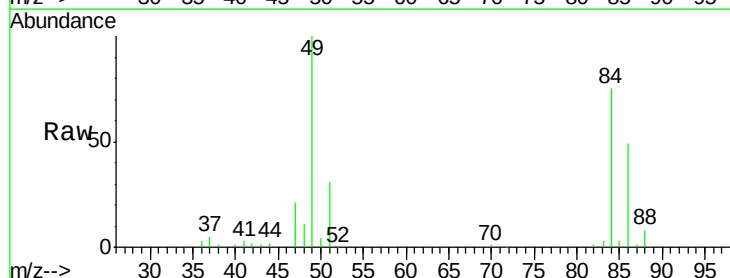
Ion Ratio Lower Upper

84 100

49 132.6 114.3 171.5

51 40.5 0.0 84.6

86 64.4 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VU040101.D (-521) (-)

Ion 49.00 (48.70 to 49.70): VU040101.D (-521) (-)

Ion 51.00 (50.70 to 51.70): VU040101.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040101.D (-521) (-)

3.06

40000

30000

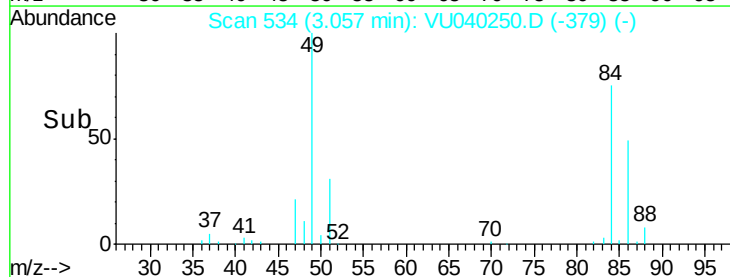
20000

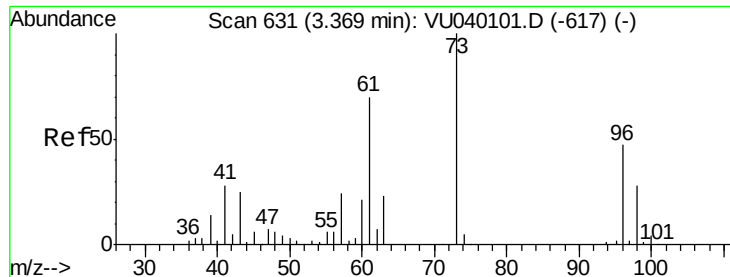
10000

0

3.00 3.05 3.10 3.15

Time-->

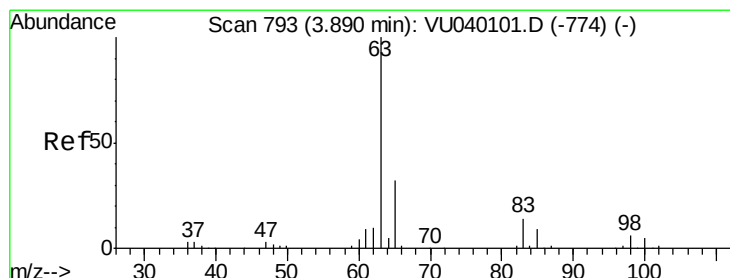
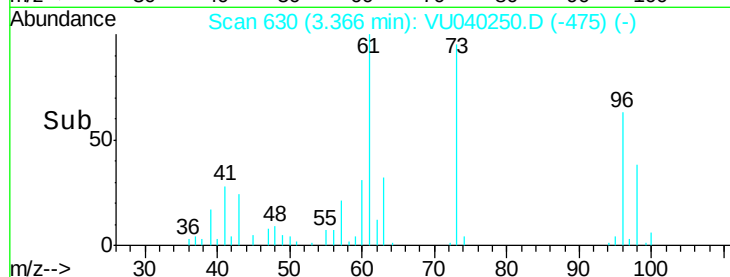
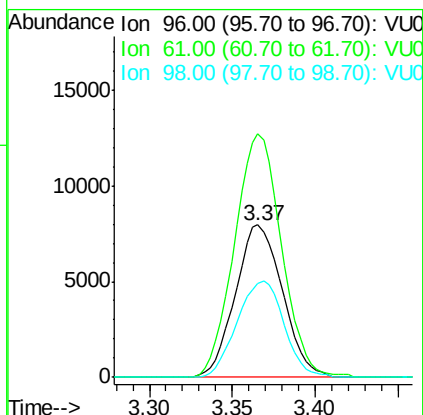
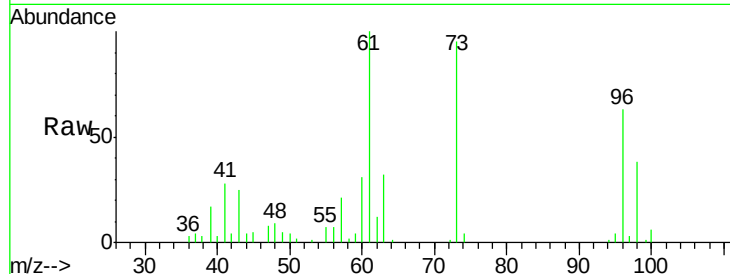




#16
trans-1,2-Dichloroethene
Concen: 1.979 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

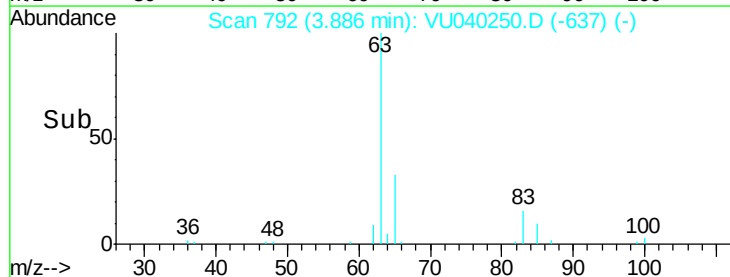
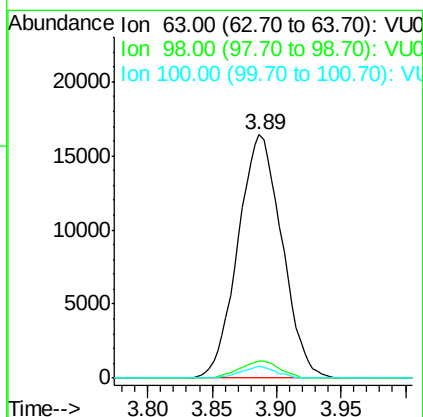
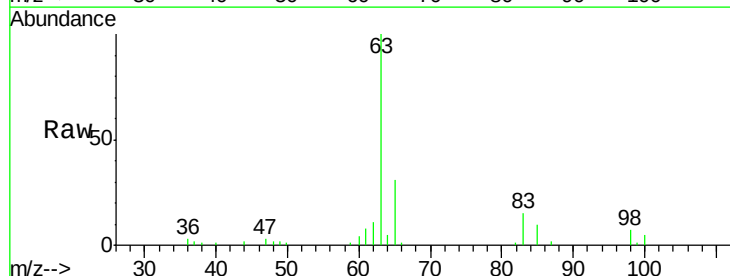
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

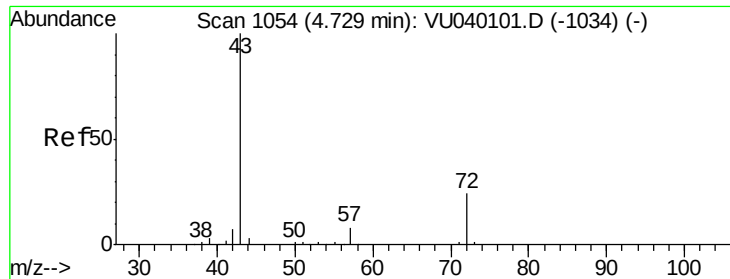
Tot Ion: 96 Resp: 15765
Ion Ratio Lower Upper
96 100
61 160.0 121.4 182.0
98 61.3 51.9 77.9



#17
1,1-Dichloroethane
Concen: 1.992 ug/l
RT: 3.89 min Scan# 792
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 63 Resp: 38959
Ion Ratio Lower Upper
63 100
98 7.1 3.1 9.4
100 4.7 2.0 5.8

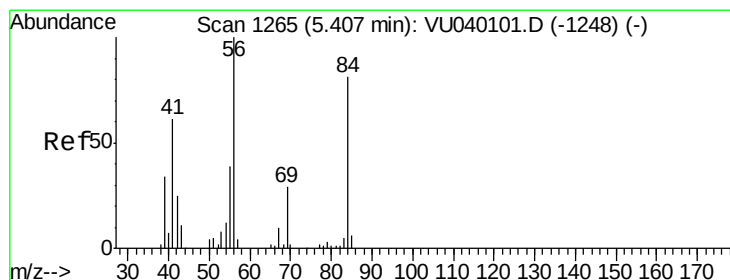
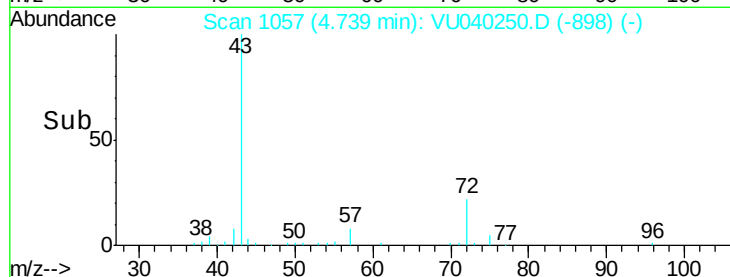
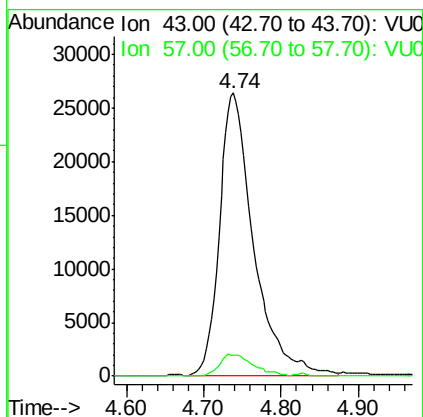
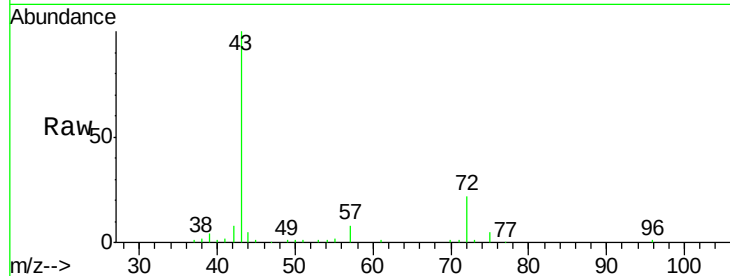




#18
2-Butanone
Concen: 9.599 ug/l
RT: 4.74 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

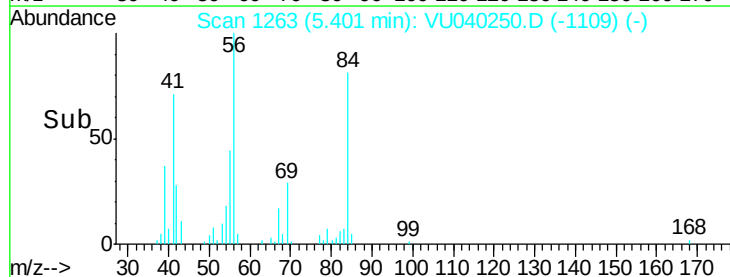
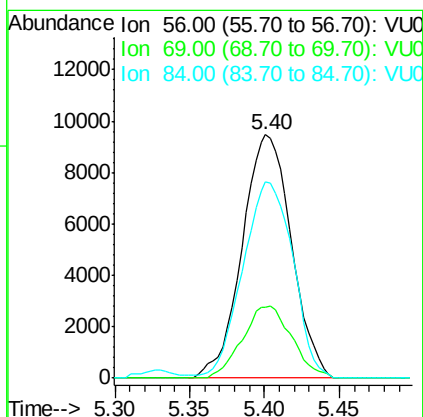
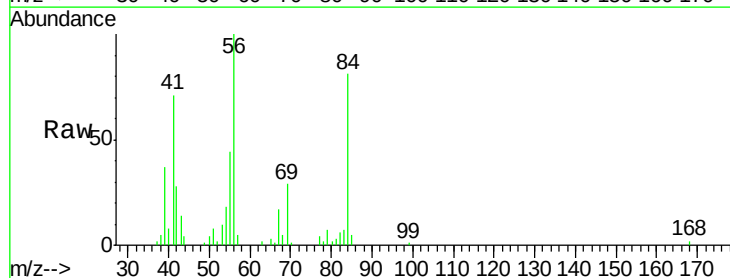
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

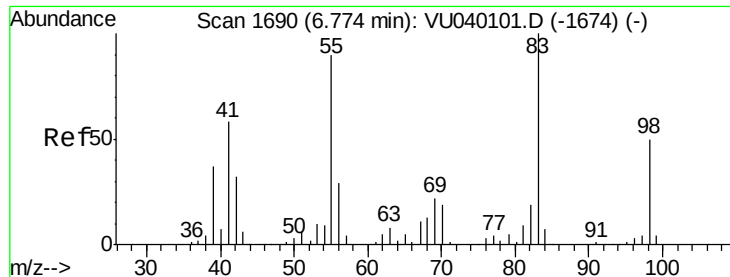
Tot Ion: 43 Resp: 81422
Ion Ratio Lower Upper
43 100
57 7.6 0.0 15.2



#19
Cyclohexane
Concen: 1.782 ug/l
RT: 5.40 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 56 Resp: 21644
Ion Ratio Lower Upper
56 100
69 29.5 23.5 35.3
84 81.0 63.8 95.6

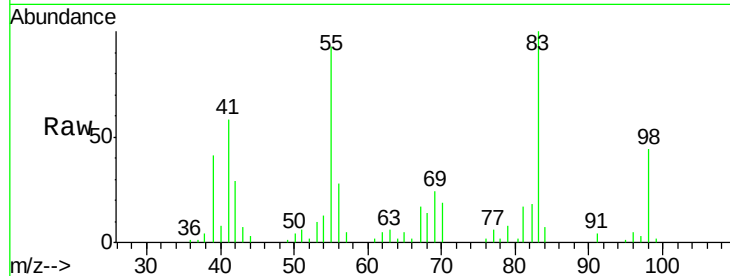




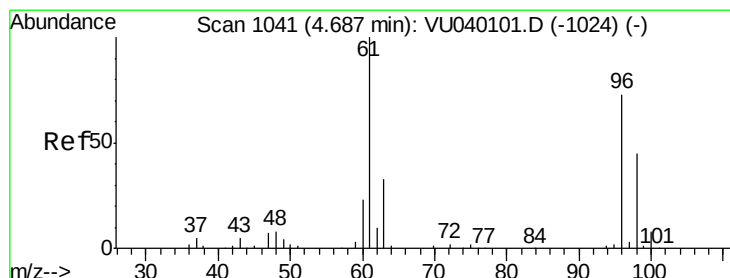
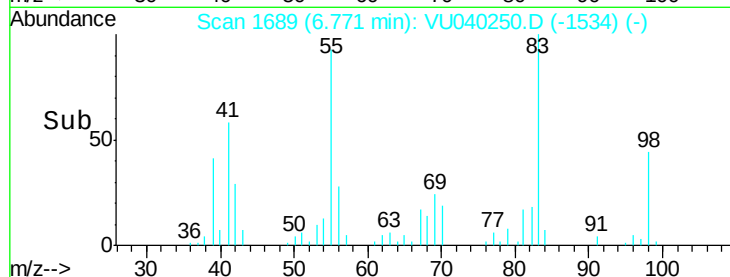
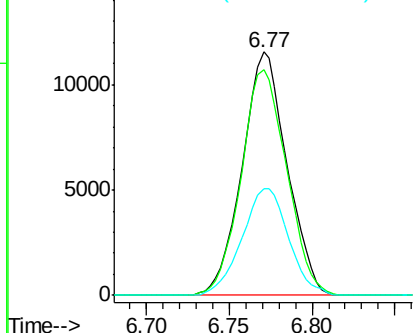
#20
Methylvlcyclohexane
Concen: 1.762 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

Tot Ion: 83 Resp: 21684
Ion Ratio Lower Upper
83 100
55 94.5 69.4 104.2
98 45.5 37.5 56.3

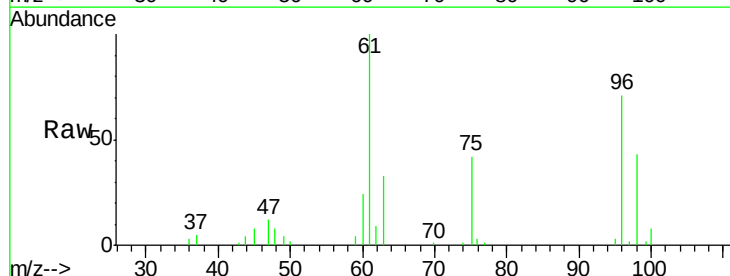


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

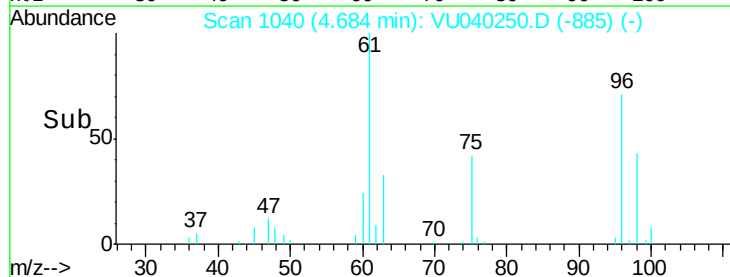
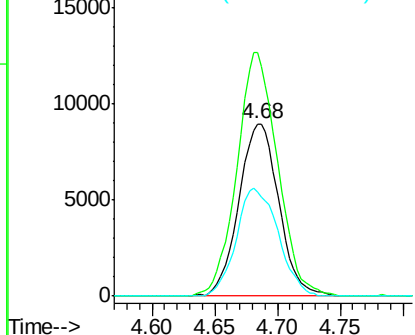


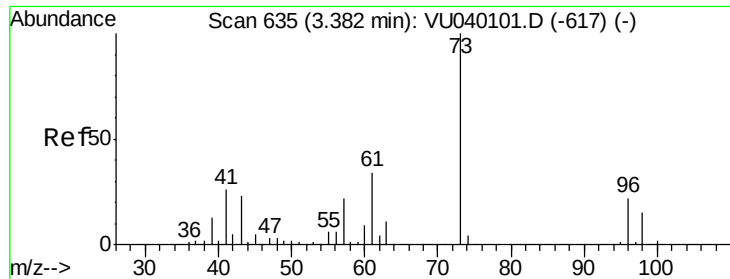
#22
cis-1,2-Dichloroethene
Concen: 1.983 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 96 Resp: 19908
Ion Ratio Lower Upper
96 100
61 143.3 0.0 420.0
98 65.1 31.8 95.3



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

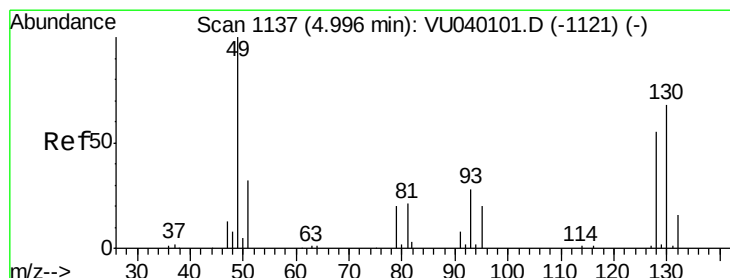
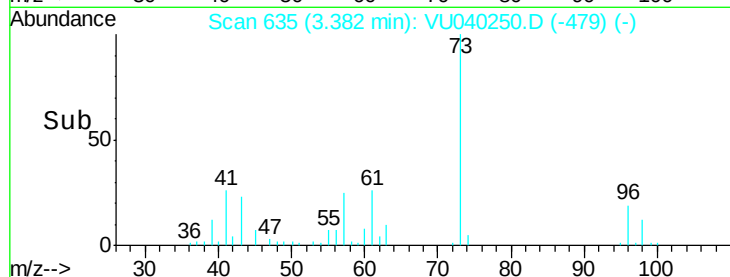
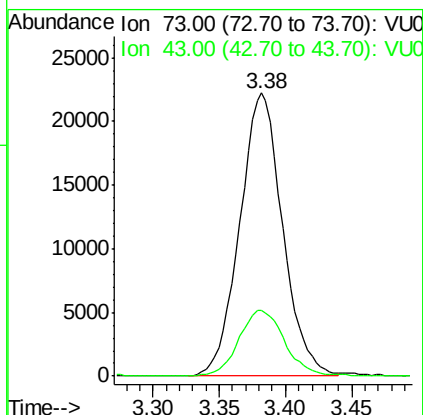
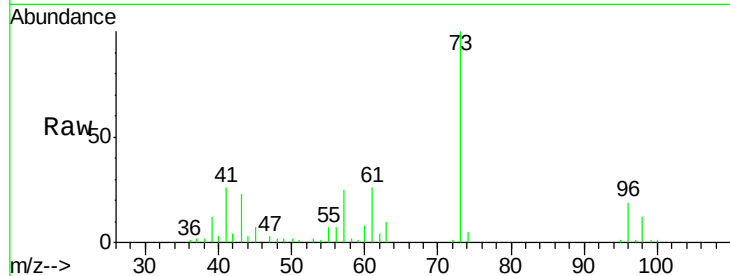




#25
Methyl tert-Butyl Ether
Concen: 1.864 ug/l
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

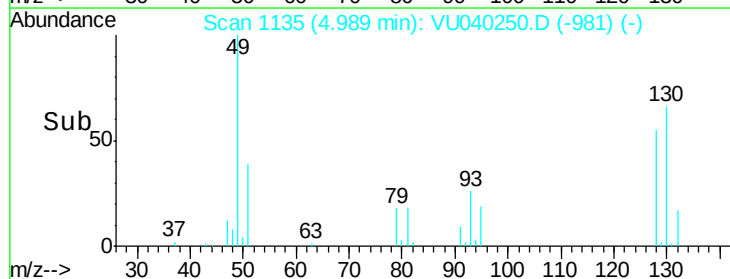
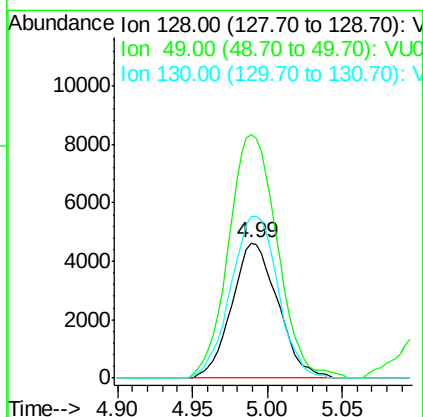
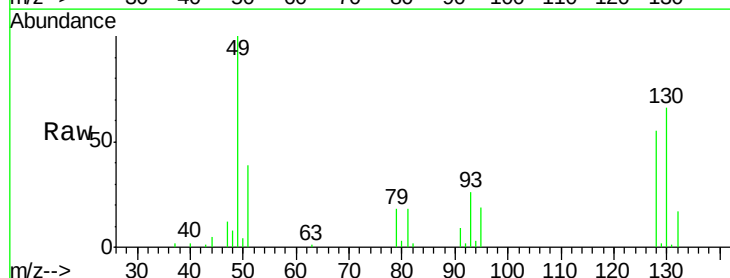
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

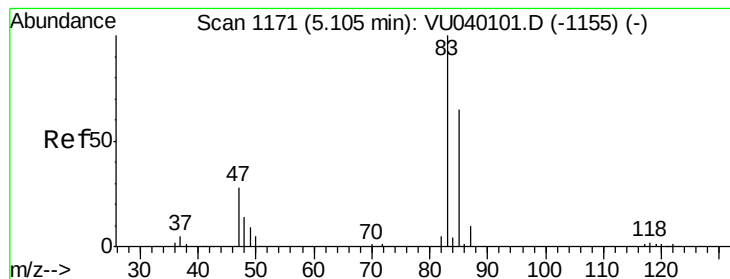
Tot Ion: 73 Resp: 50026
Ion Ratio Lower Upper
73 100
43 24.7 20.0 30.0



#26
Bromochloromethane
Concen: 2.036 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 128 Resp: 9935
Ion Ratio Lower Upper
128 100
49 190.0 0.0 390.6
130 122.6 104.9 157.3





#27

Chloroform

Concen: 1.986 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

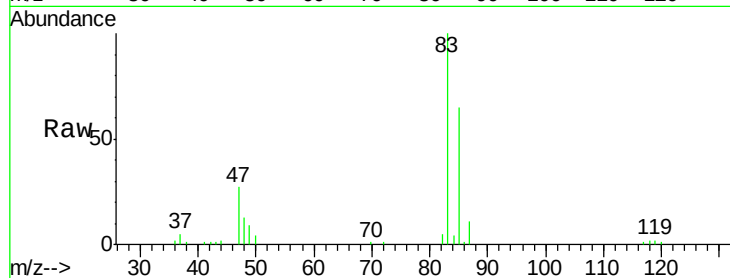
VU0922WBSD01

Tot Ion: 83 Resp: 42488

Ion Ratio Lower Upper

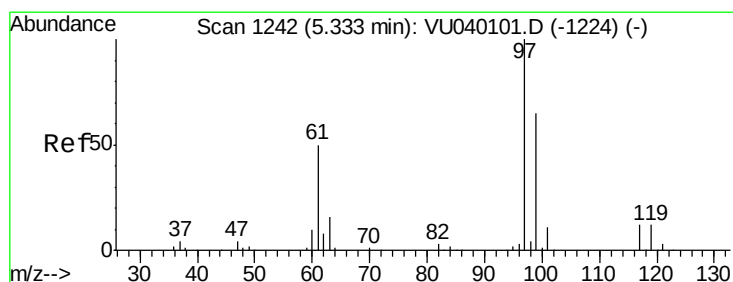
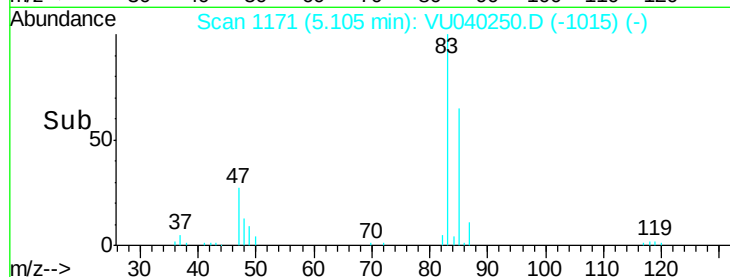
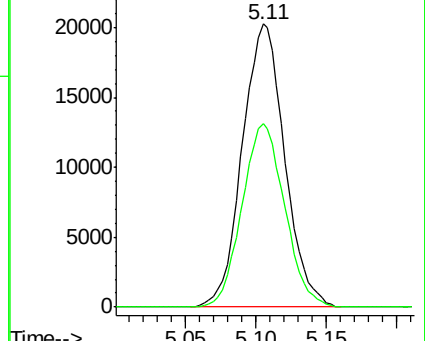
83 100

85 65.0 0.0 132.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 1.912 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

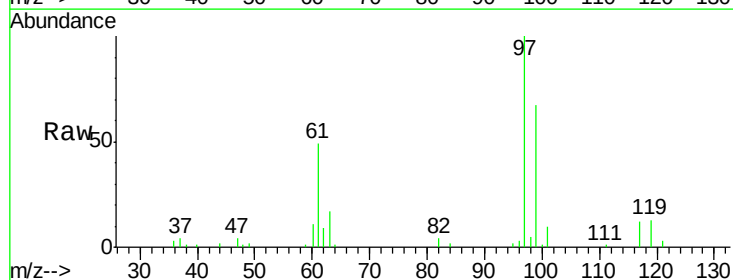
Tgt Ion: 97 Resp: 34384

Ion Ratio Lower Upper

97 100

99 67.0 31.8 95.4

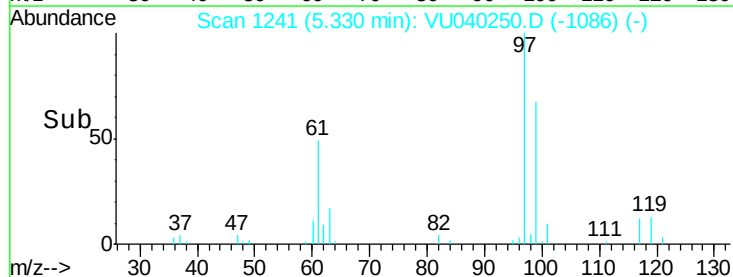
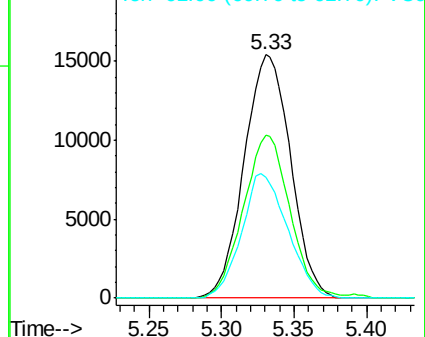
61 50.8 25.1 75.2

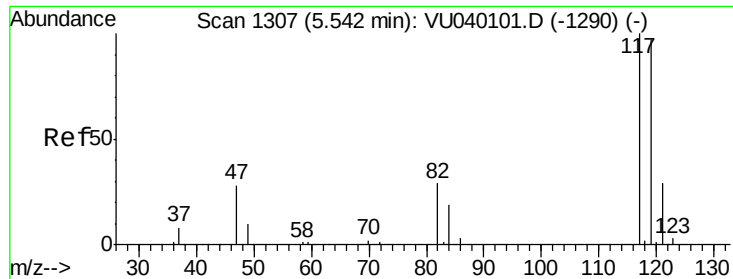


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

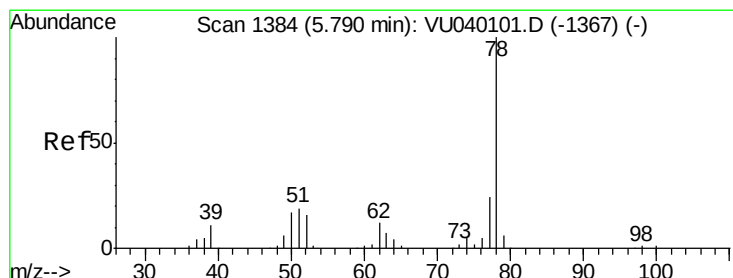
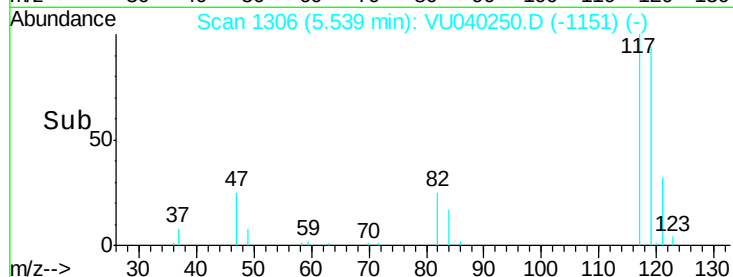
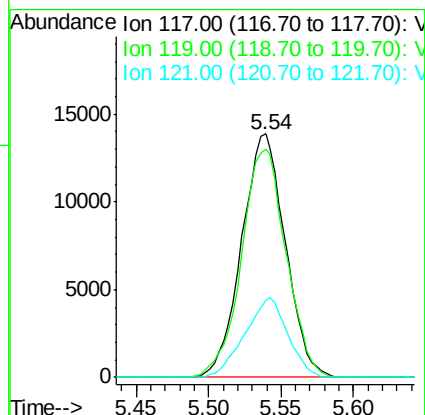
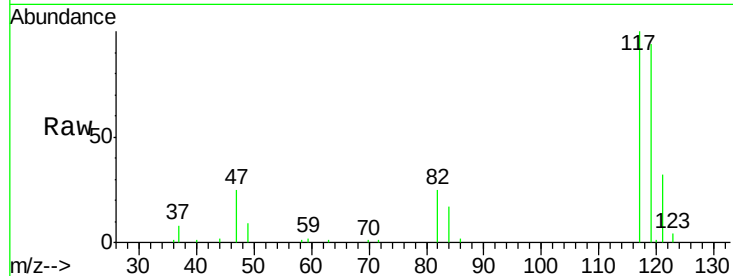




#30
Carbon Tetrachloride
Concen: 1.971 ug/l
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

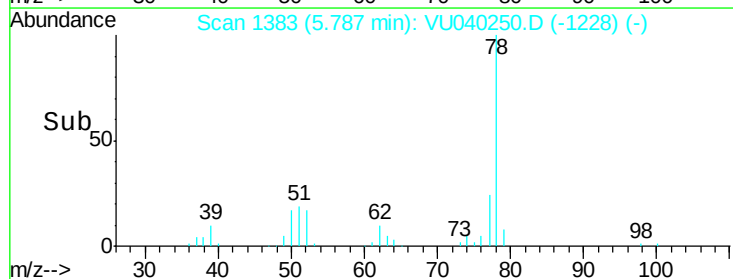
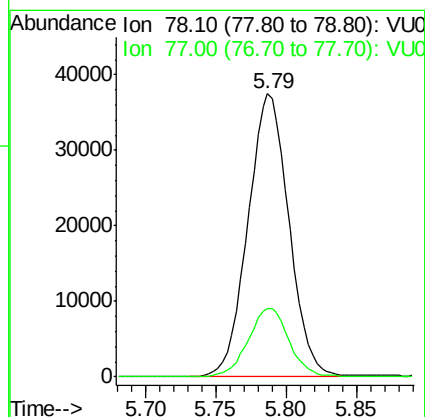
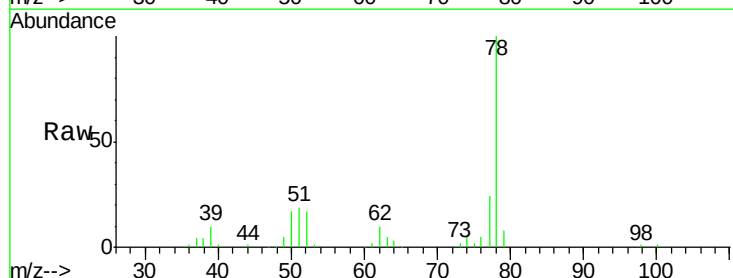
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

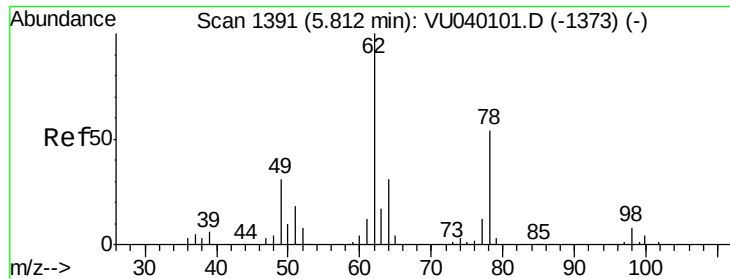
Tot Ion:117 Resp: 29104
Ion Ratio Lower Upper
117 100
119 94.0 77.0 115.4
121 31.7 24.2 36.4



#35
Benzene
Concen: 1.986 ug/l
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 78 Resp: 76249
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7

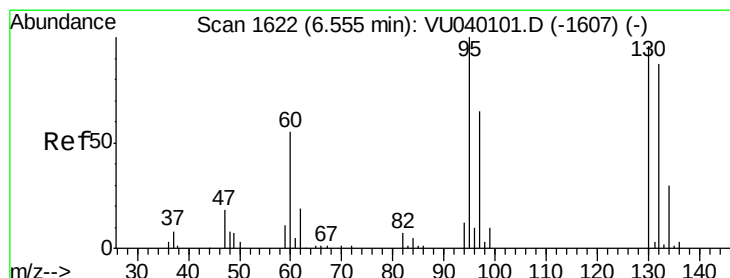
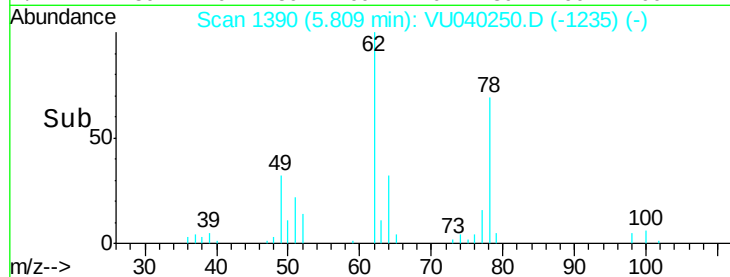
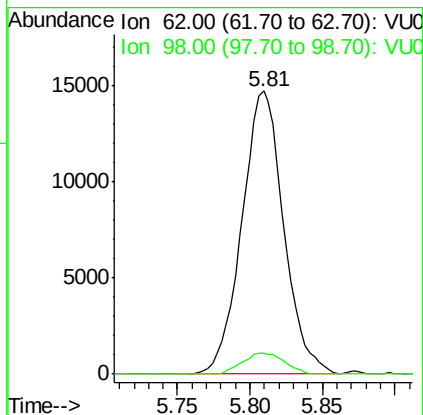
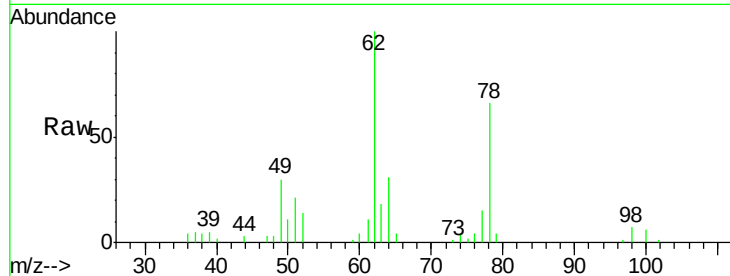




#36
 1,2-Dichloroethane
 Concen: 1.916 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

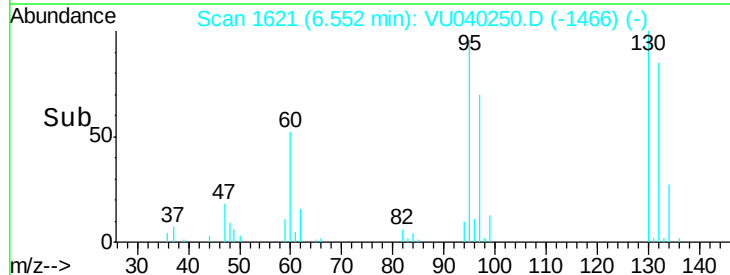
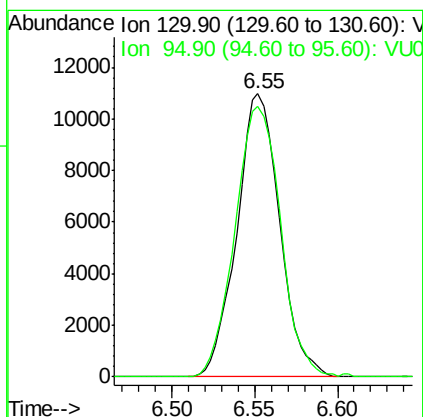
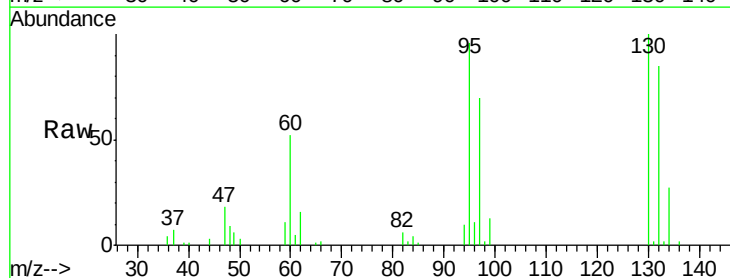
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

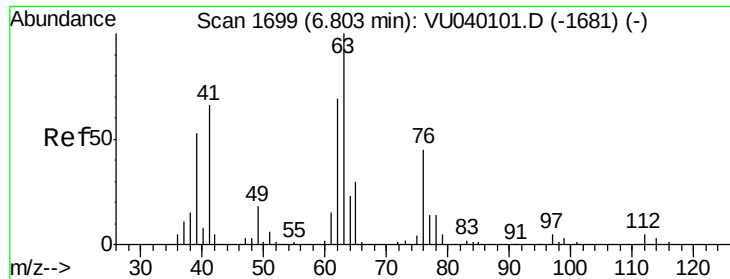
Tot Ion: 62 Resp: 29562
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.5 9.7



#37
 Trichloroethene
 Concen: 2.005 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion: 130 Resp: 19769
 Ion Ratio Lower Upper
 130 100
 95 95.7 84.2 126.2

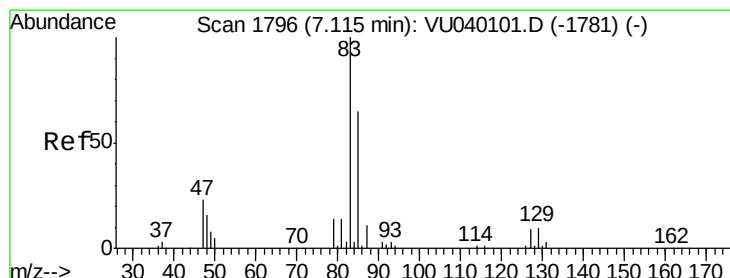
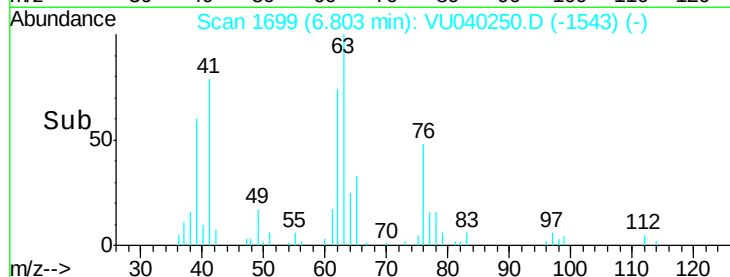
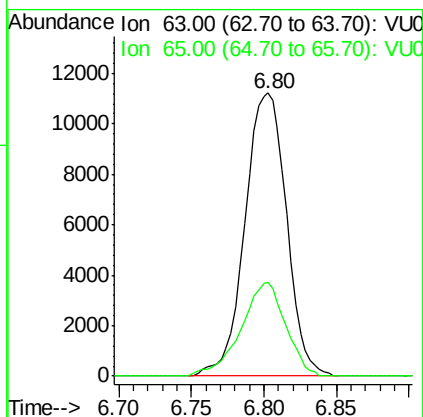
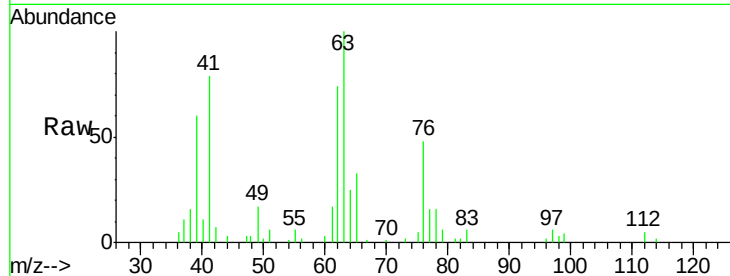




#38
 1,2-Dichloropropane
 Concen: 1.885 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

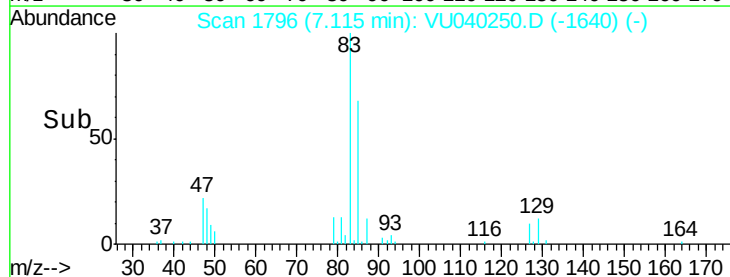
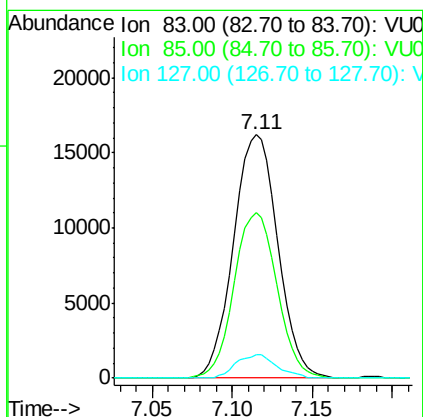
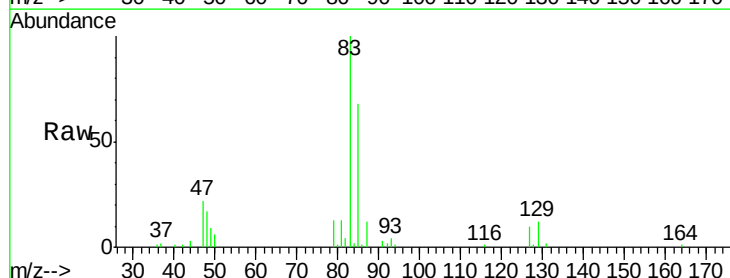
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

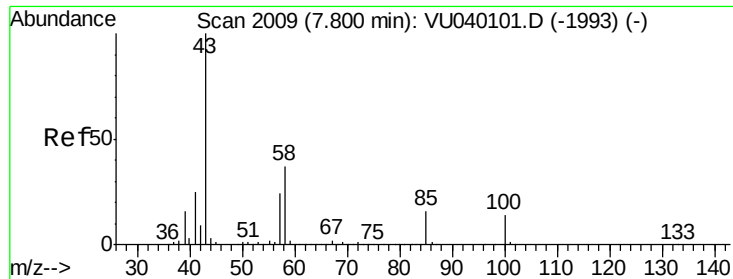
Tot Ion: 63 Resp: 22390
 Ion Ratio Lower Upper
 63 100
 65 33.0 23.0 34.6



#44
 Bromodichloromethane
 Concen: 1.888 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion: 83 Resp: 30658
 Ion Ratio Lower Upper
 83 100
 85 67.8 52.1 78.1
 127 9.6 6.6 9.8

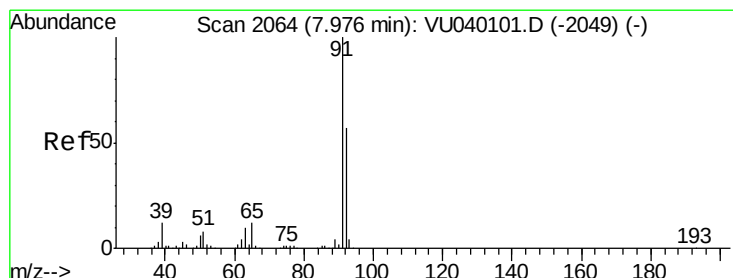
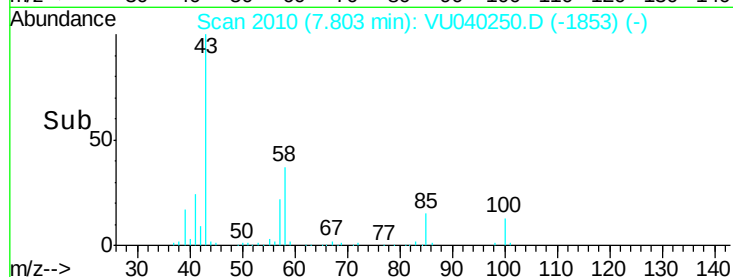
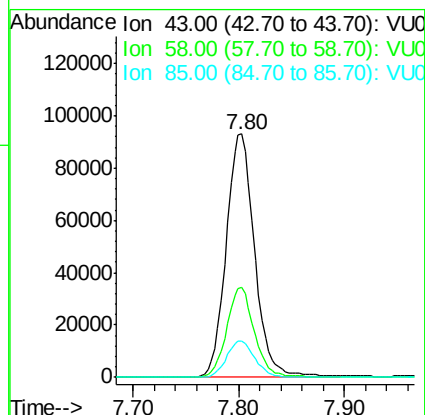
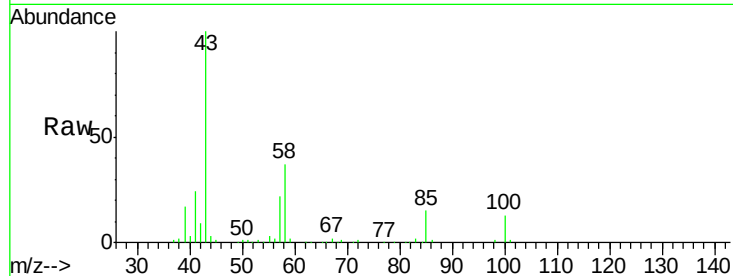




#45
 4-Methyl-2-Pentanone
 Concen: 8.975 ug/l
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

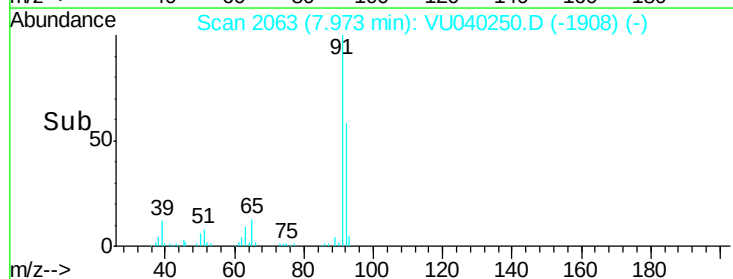
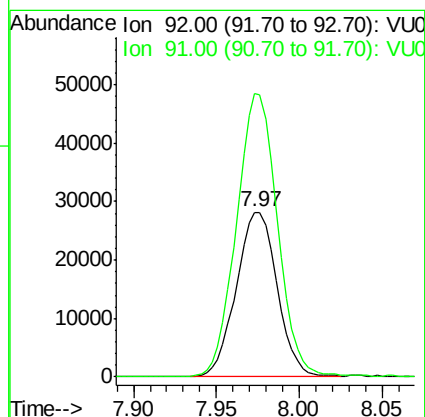
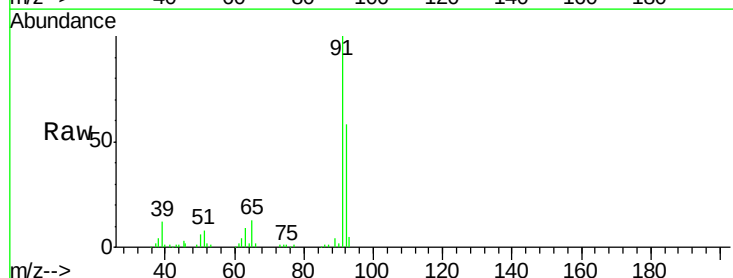
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

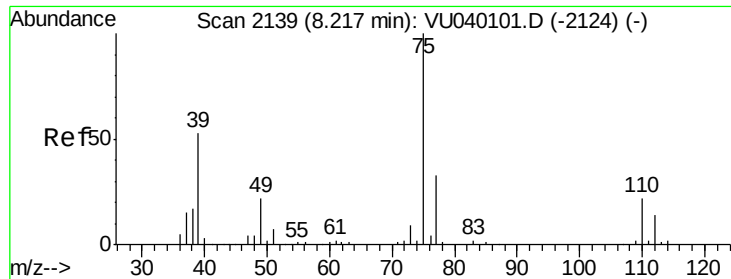
Tot Ion	43	Resp	173756
Ion Ratio	Lower	Upper	
43	100		
58	35.5	18.1	54.3
85	14.9	12.3	18.5



#49
 Toluene
 Concen: 1.985 ug/l
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion	92	Resp	48319
Ion Ratio	Lower	Upper	
92	100		
91	172.7	138.6	207.8

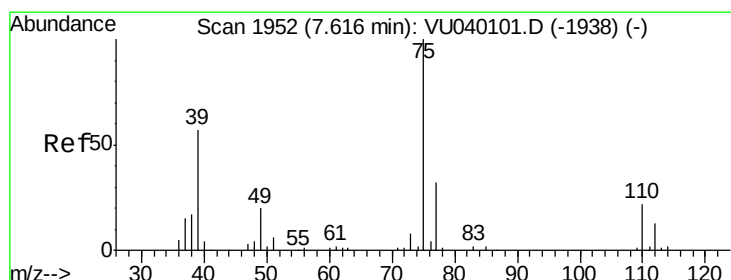
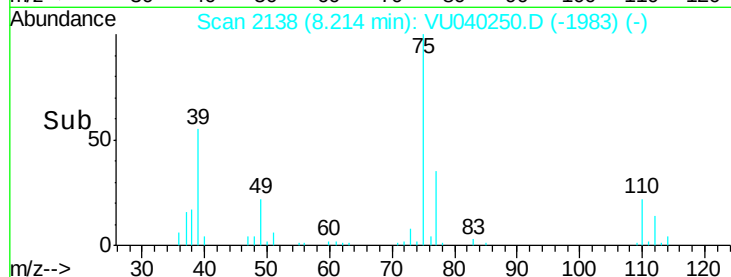
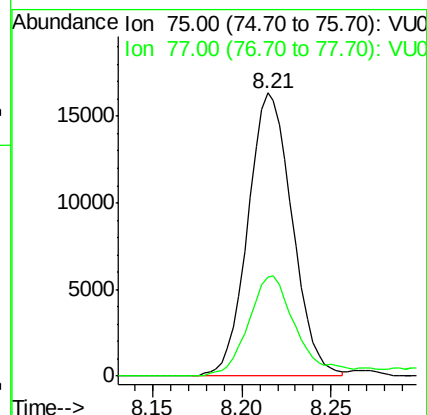
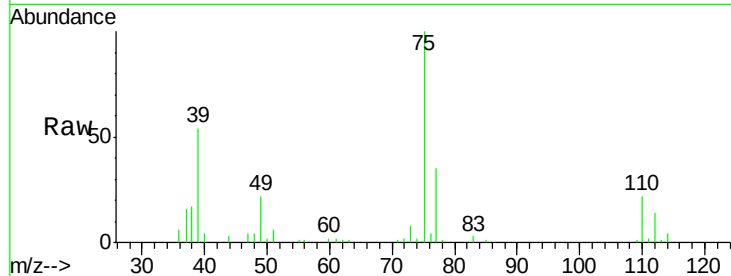




#50
 t-1,3-Dichloropropene
 Concen: 1.865 ug/l
 RT: 8.21 min Scan# 2138
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

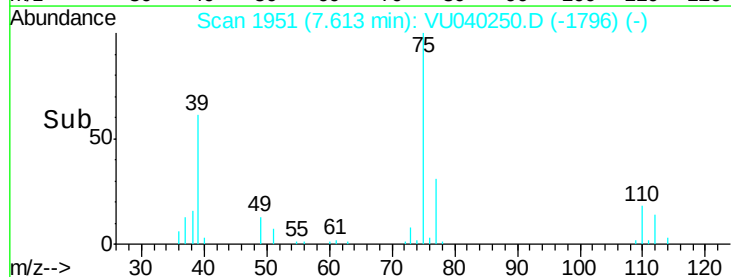
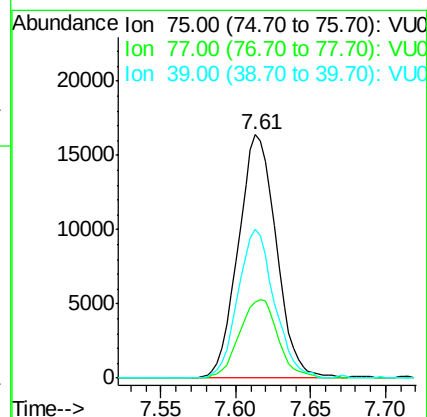
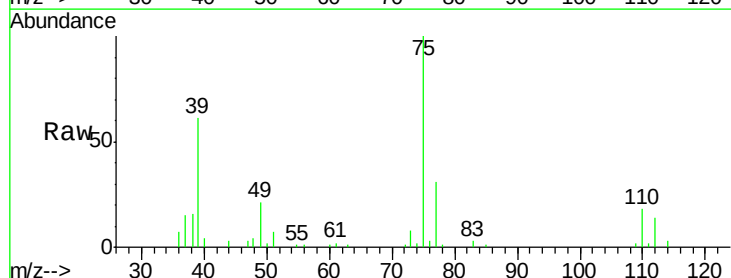
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

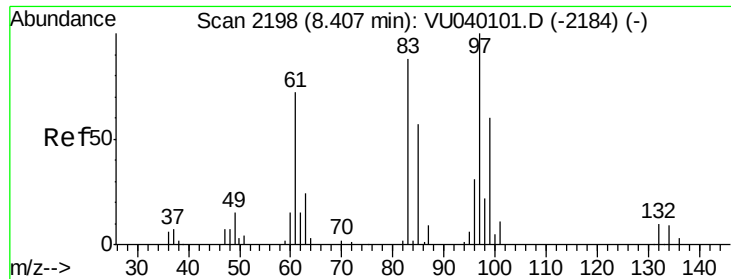
Tot Ion: 75 Resp: 28365
 Ion Ratio Lower Upper
 75 100
 77 35.1 24.4 36.6



#51
 cis-1,3-Dichloropropene
 Concen: 1.856 ug/l
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion: 75 Resp: 29044
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.6 37.0
 39 61.1 46.2 69.4

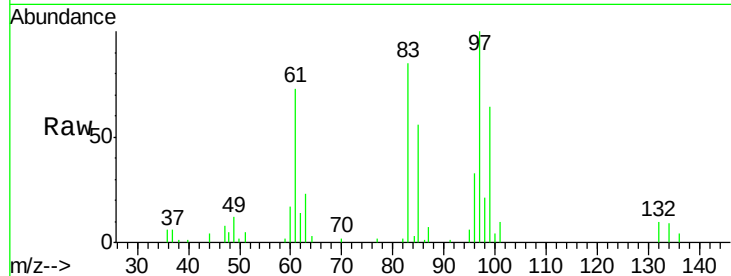




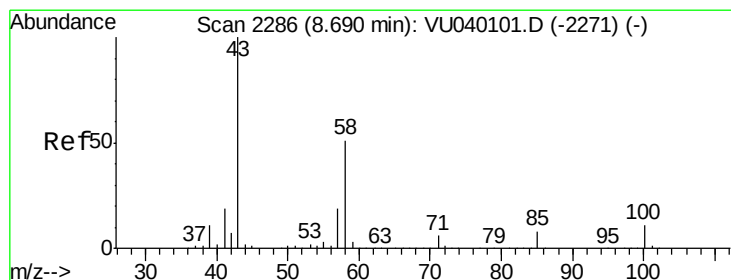
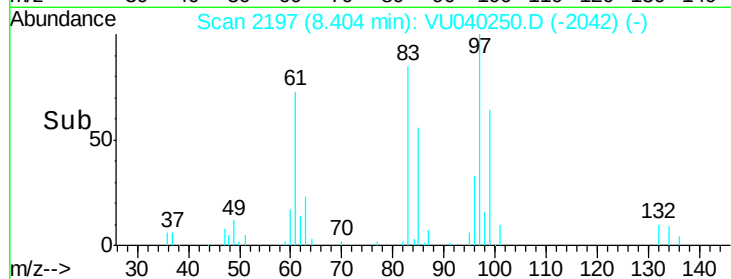
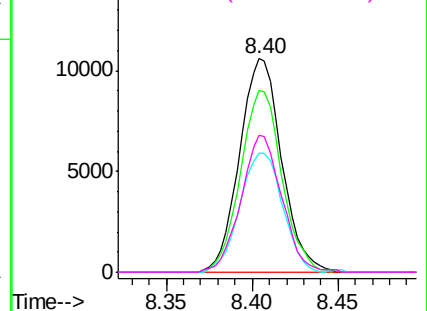
#52
 1,1,2-Trichloroethane
 Concen: 1.906 ug/l
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

Tot Ion: 97 Resp: 17988
 Ion Ratio Lower Upper
 97 100
 83 85.0 68.7 103.1
 85 55.7 46.7 70.1
 99 64.4 48.6 72.8

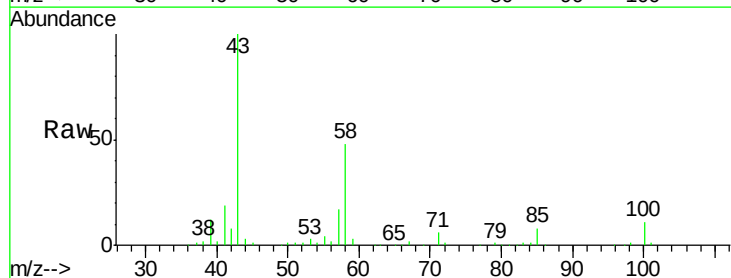


Abundance Ion 97.00 (96.70 to 97.70): VU040250.D (-2042) (-)

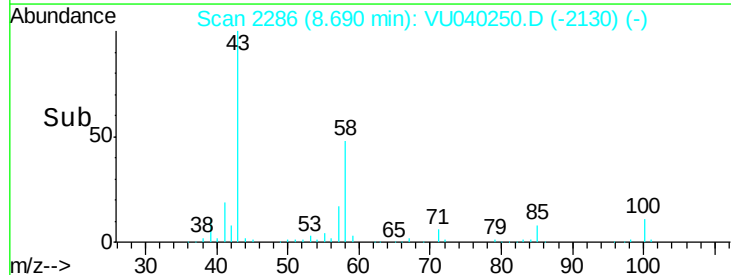
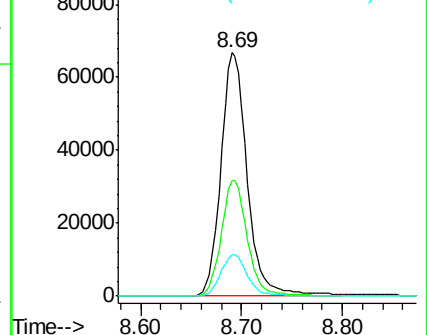


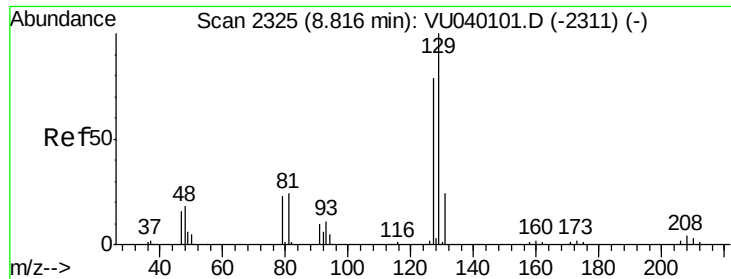
#54
 2-Hexanone
 Concen: 8.887 ug/l
 RT: 8.69 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion: 43 Resp: 121635
 Ion Ratio Lower Upper
 43 100
 58 46.6 29.6 69.6
 57 17.3 0.0 37.8



Abundance Ion 43.00 (42.70 to 43.70): VU040250.D (-2130) (-)





#55

Dibromochloromethane

Concen: 1.942 ug/l

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

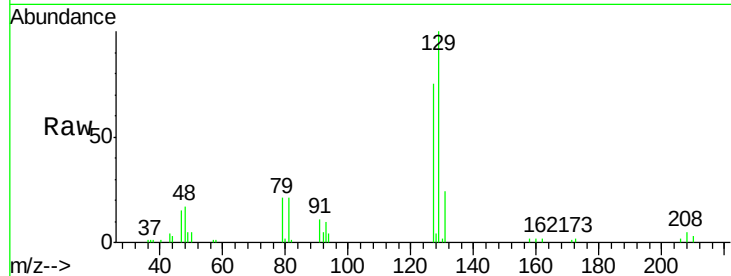
VU0922WBSD01

Tot Ion:129 Resp: 21193

Ion Ratio Lower Upper

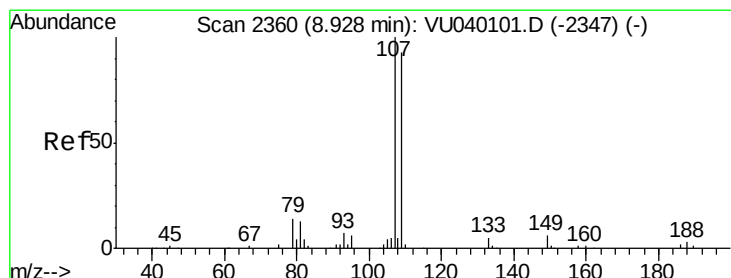
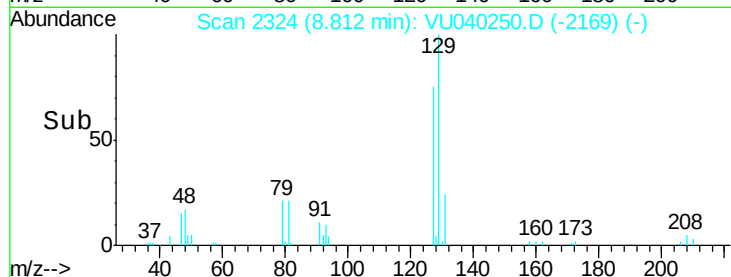
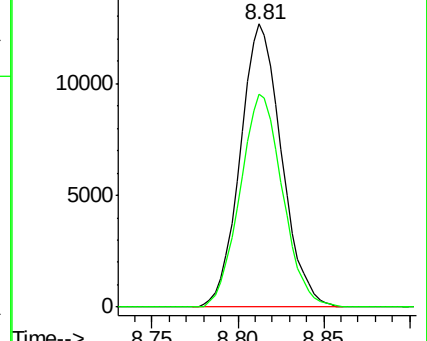
129 100

127 77.3 62.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.968 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040250.D

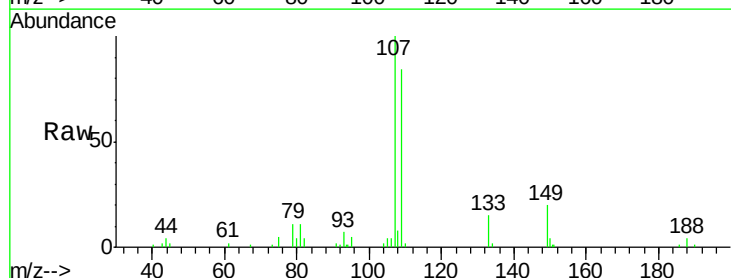
Acq: 22 Sep 2020 16:32

Tgt Ion:107 Resp: 17069

Ion Ratio Lower Upper

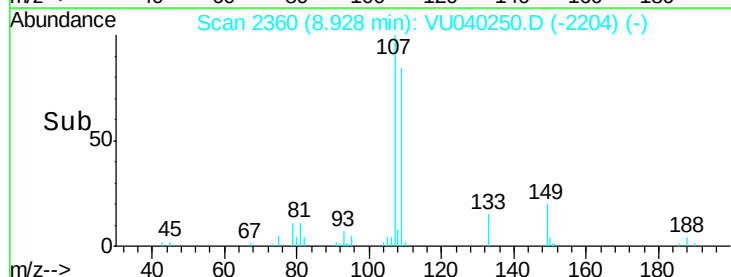
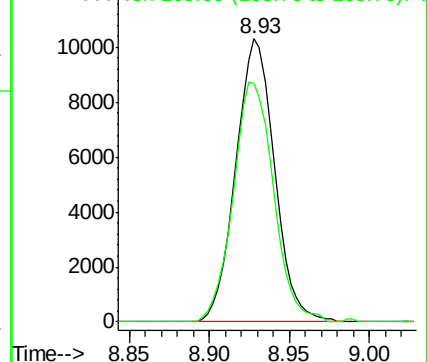
107 100

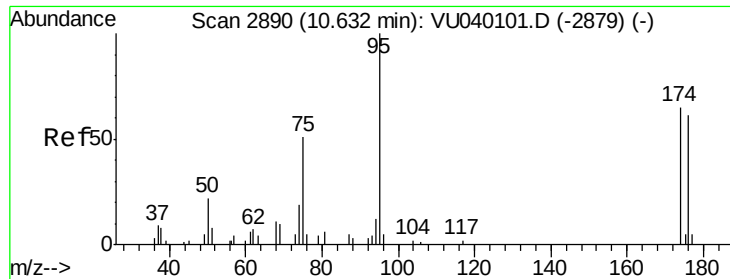
109 88.0 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

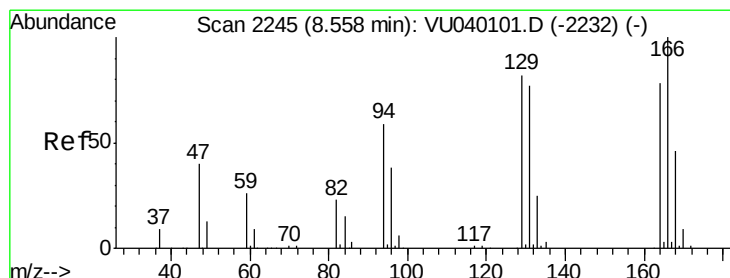
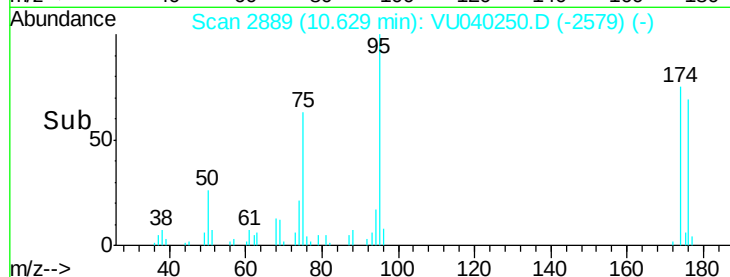
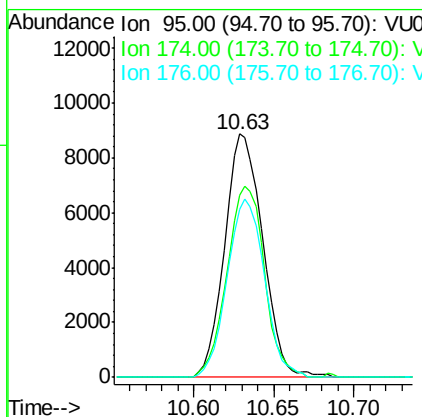
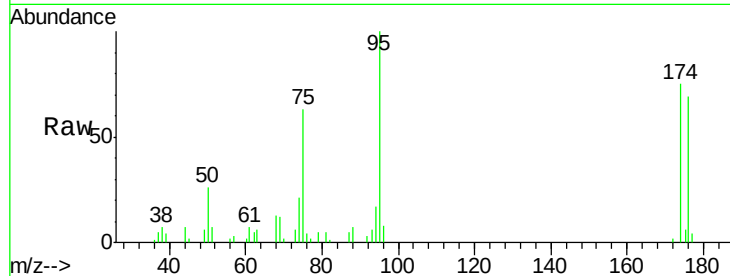




#57
4-Bromofluorobenzene
Concen: 0.902 ug/l
RT: 10.63 min Scan# 2889
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

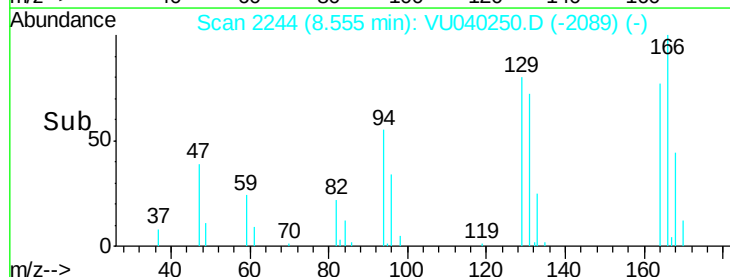
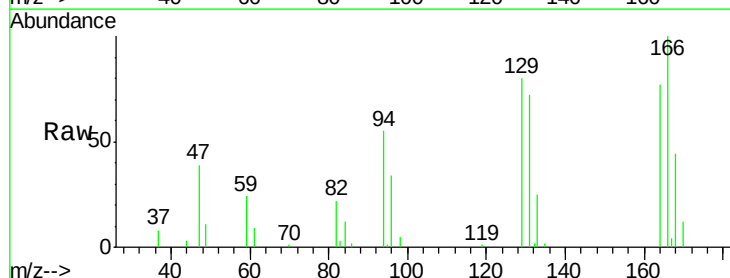
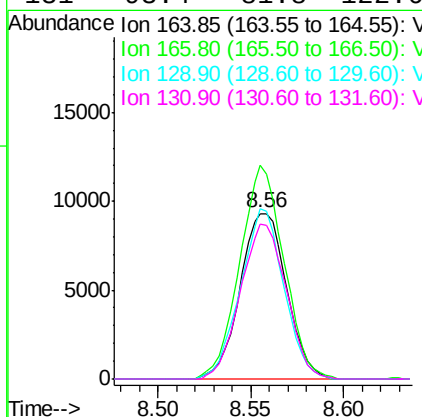
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

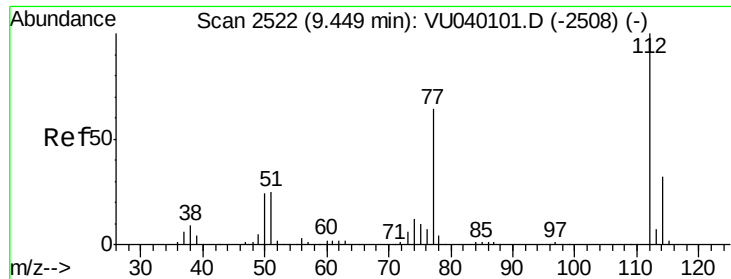
Tot Ion: 95 Resp: 14394
Ion Ratio Lower Upper
95 100
174 77.3 49.4 74.0#
176 71.7 50.1 75.1



#58
Tetrachloroethene
Concen: 2.209 ug/l
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 164 Resp: 16188
Ion Ratio Lower Upper
164 100
166 129.2 101.3 151.9
129 102.9 84.8 127.2
131 93.4 81.8 122.6

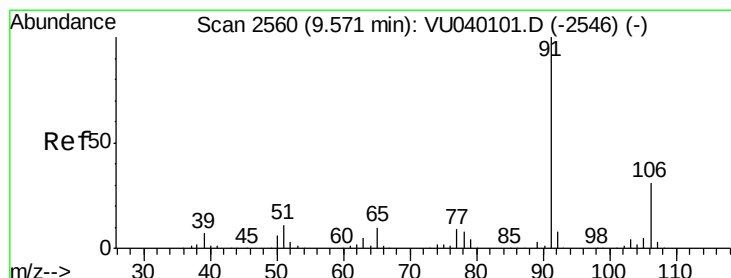
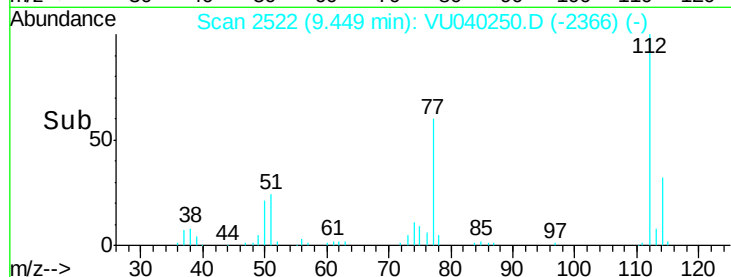
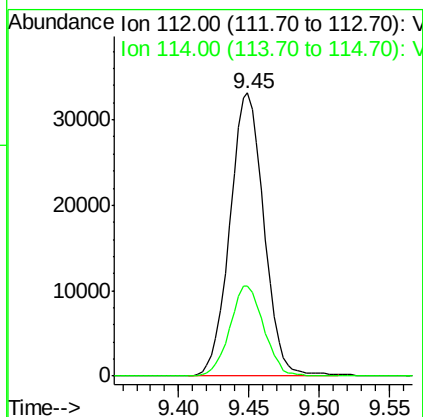
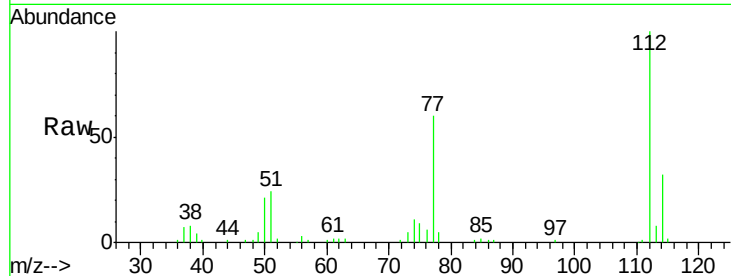




#59
Chlorobenzene
Concen: 1.957 ug/l
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

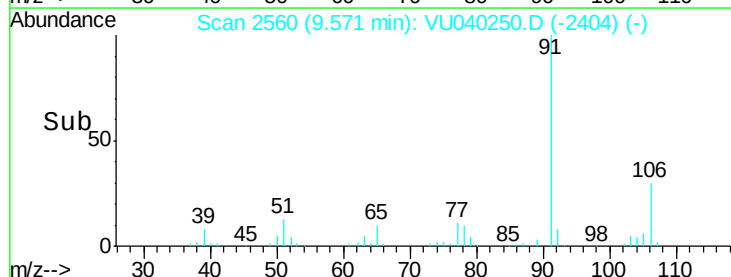
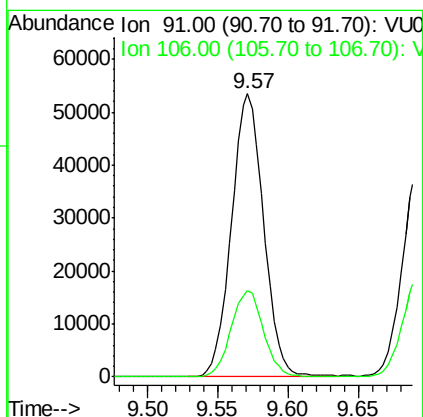
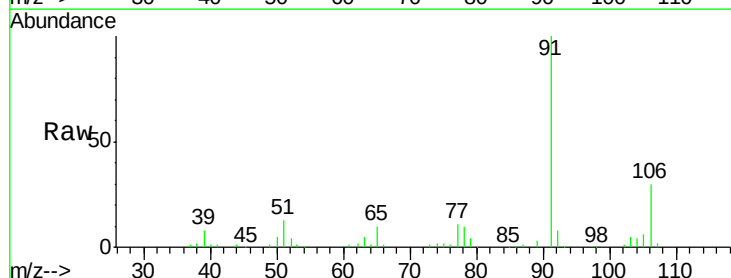
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

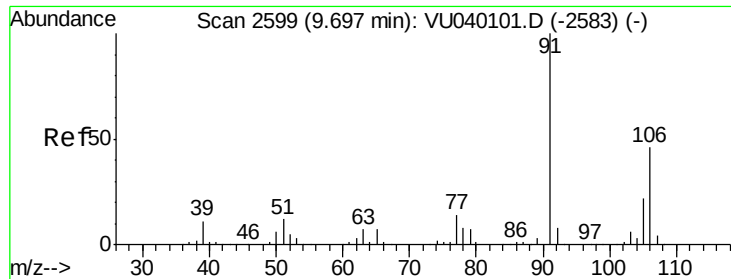
Tot Ion:112 Resp: 56029
Ion Ratio Lower Upper
112 100
114 32.0 24.8 37.2



#63
Ethyl Benzene
Concen: 1.802 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion: 91 Resp: 85638
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8





#64

m/p-Xylenes

Concen: 3.699 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

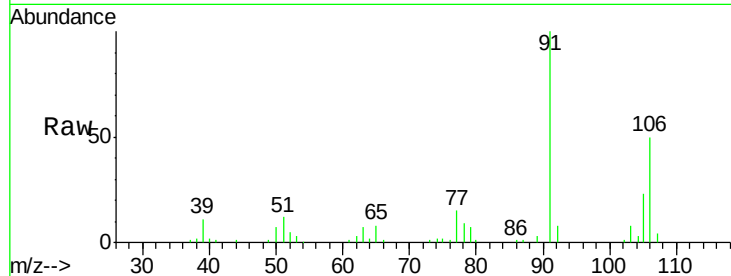
VU0922WBSD01

Tot Ion:106 Resp: 33391

Ion Ratio Lower Upper

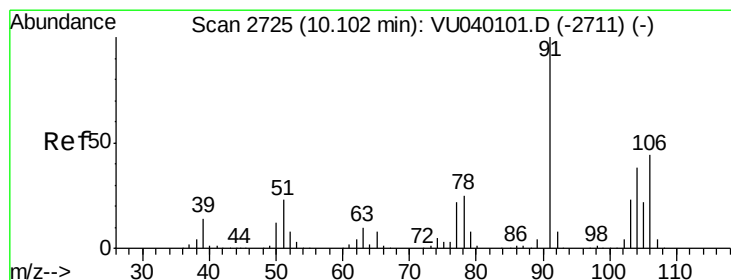
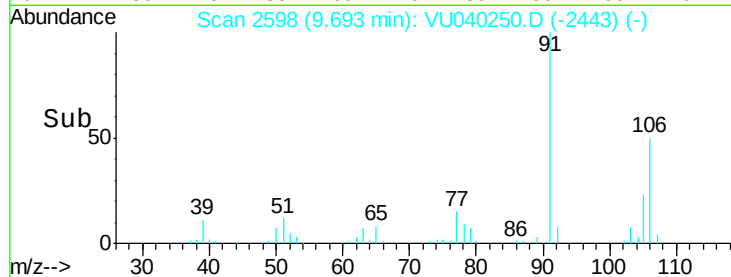
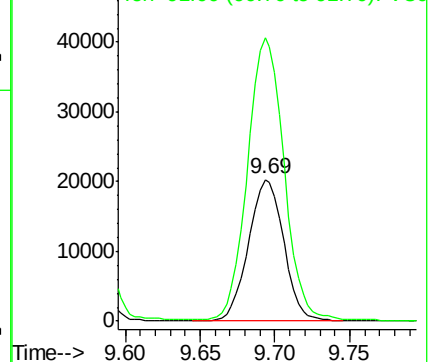
106 100

91 204.6 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 1.873 ug/l

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040250.D

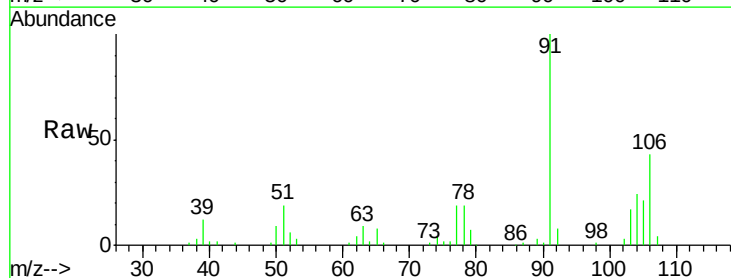
Acq: 22 Sep 2020 16:32

Tgt Ion:106 Resp: 32446

Ion Ratio Lower Upper

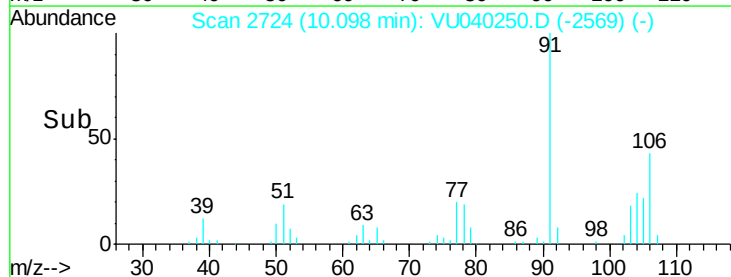
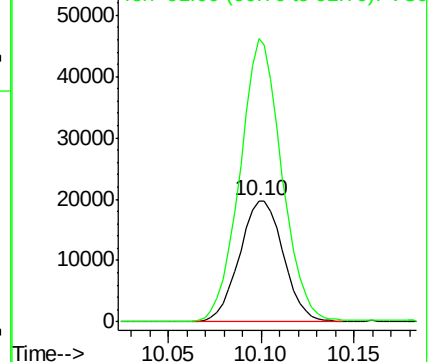
106 100

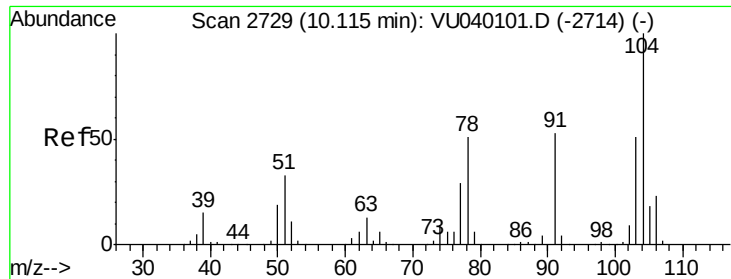
91 224.2 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

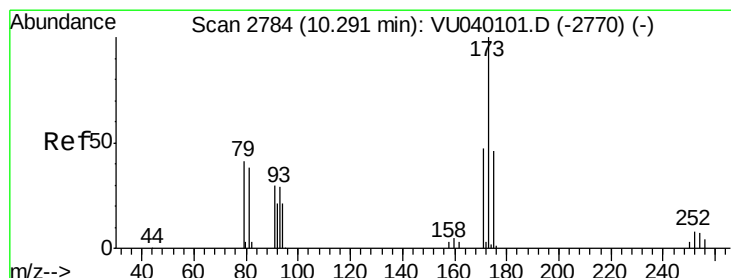
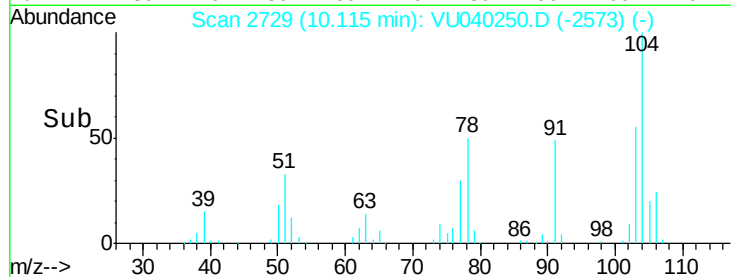
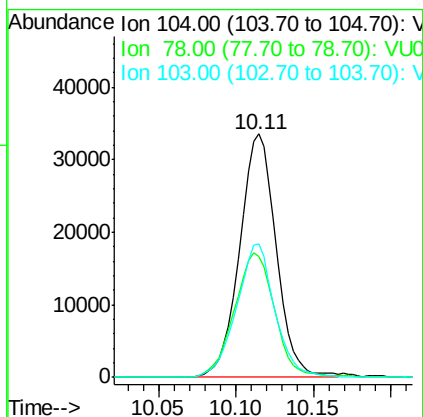
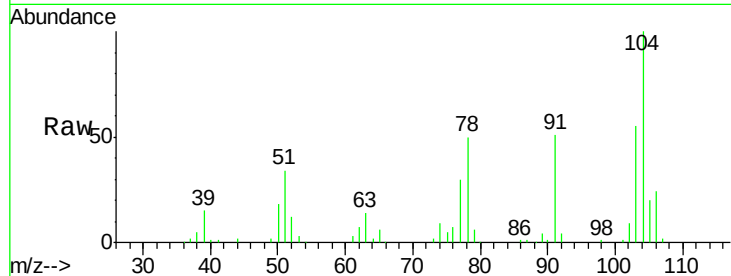




#66
Stvrene
Concen: 1.786 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

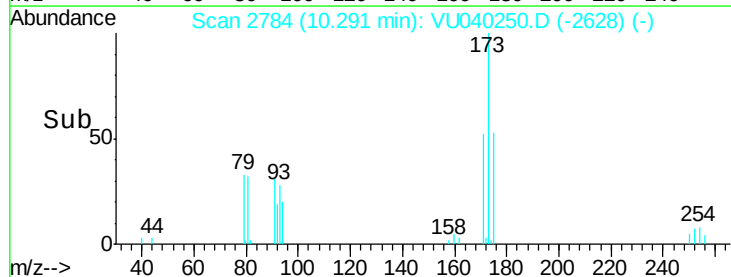
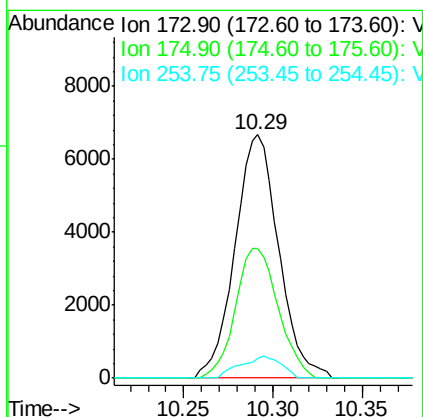
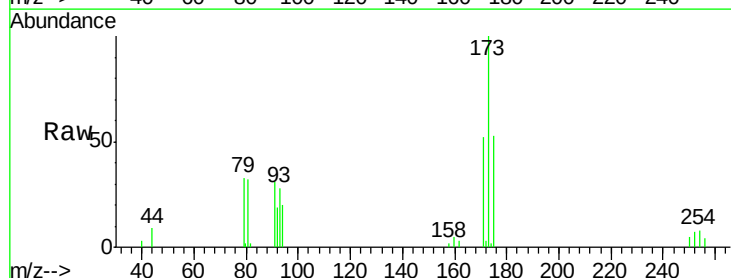
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBSD01

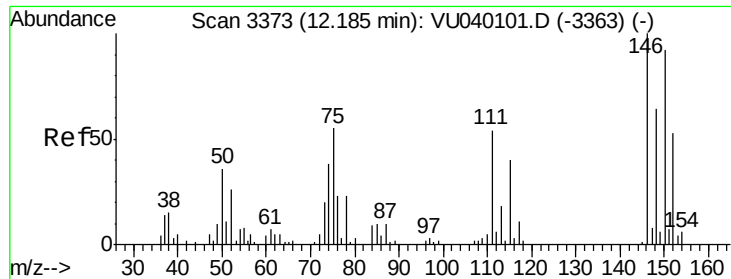
Tot Ion:104 Resp: 55237
Ion Ratio Lower Upper
104 100
78 56.3 43.9 65.9
103 57.0 43.7 65.5



#67
Bromoform
Concen: 1.996 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040250.D
Acq: 22 Sep 2020 16:32

Tgt Ion:173 Resp: 11405
Ion Ratio Lower Upper
173 100
175 52.1 38.0 57.0
254 8.3 5.8 8.8





#68

1,2-Dichlorobenzene-d4

Concen: 0.982 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBSD01

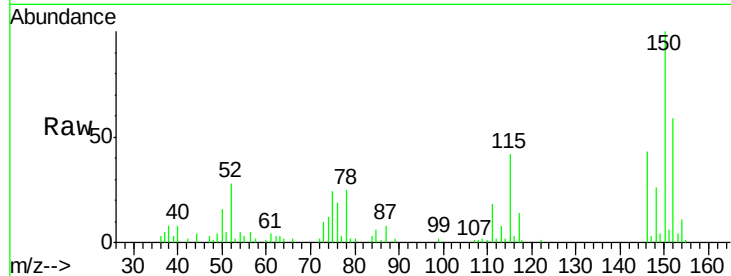
Tot Ion:152 Resp: 14093

Ion Ratio Lower Upper

152 100

115 69.7 0.0 309.0

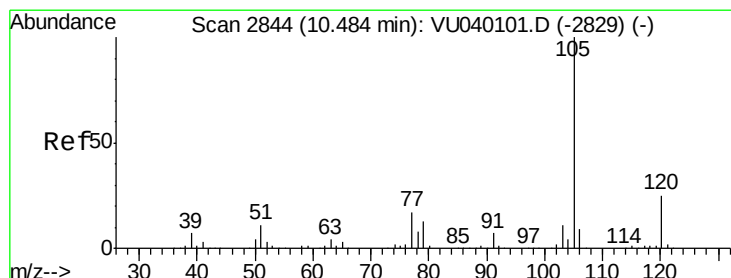
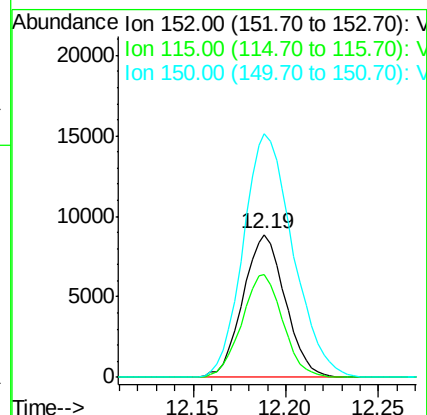
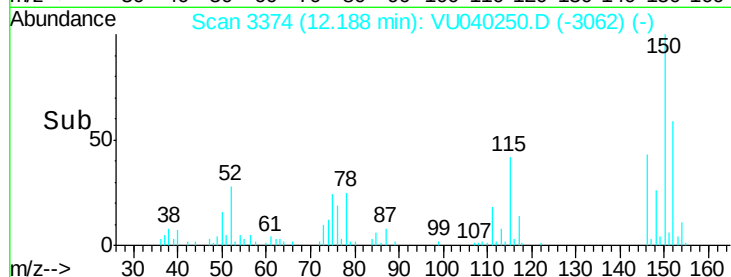
150 199.8 0.0 658.2



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: 1.844 ug/l

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040250.D

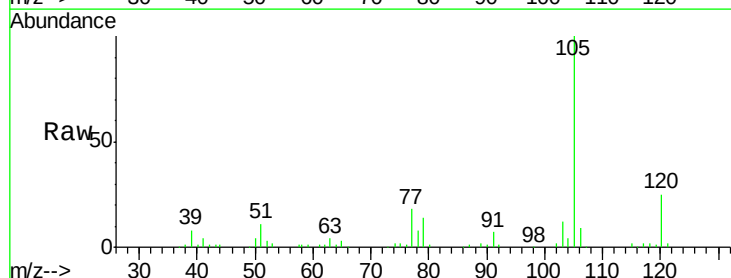
Acq: 22 Sep 2020 16:32

Tgt Ion:105 Resp: 88474

Ion Ratio Lower Upper

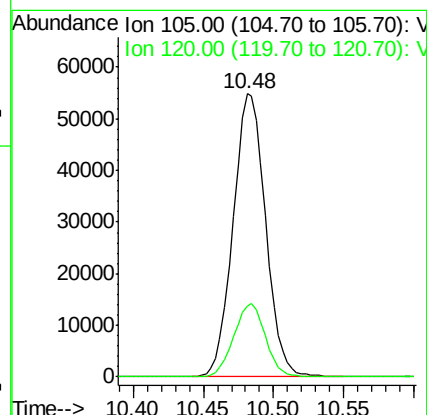
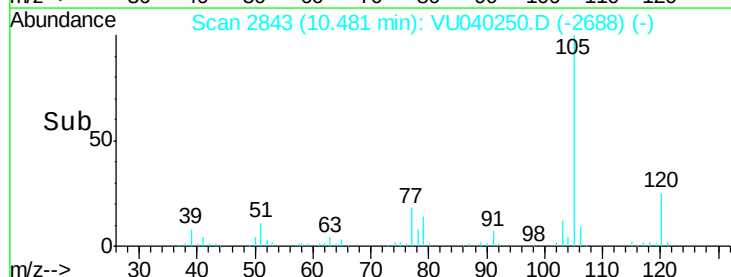
105 100

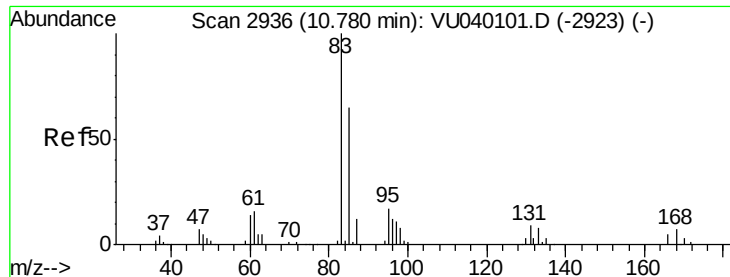
120 25.4 12.4 37.4



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: 1.880 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBSD01

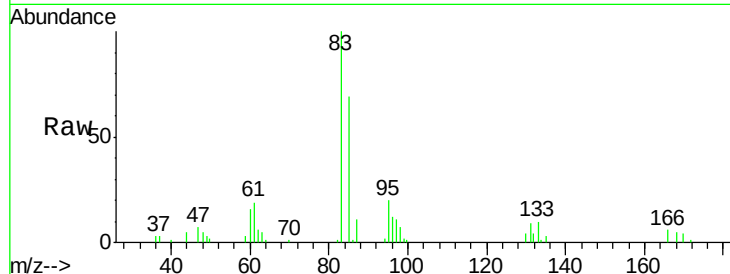
Tot Ion: 83 Resp: 23102

Ion Ratio Lower Upper

83 100

131 8.8 7.5 11.3

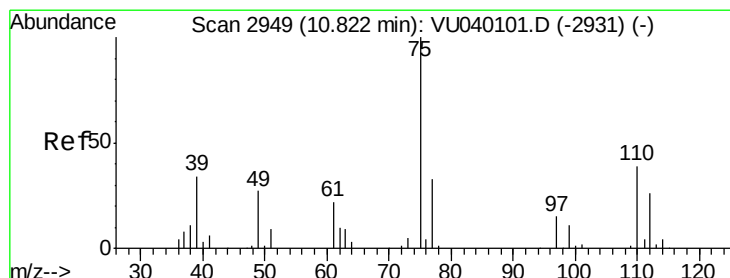
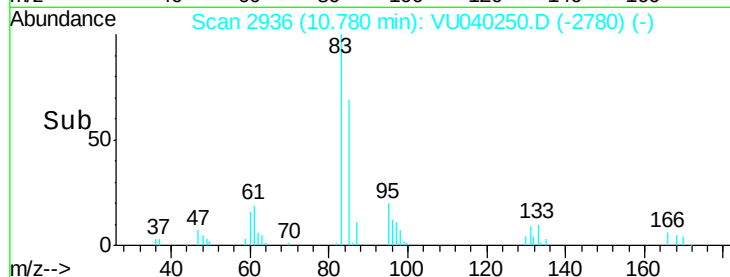
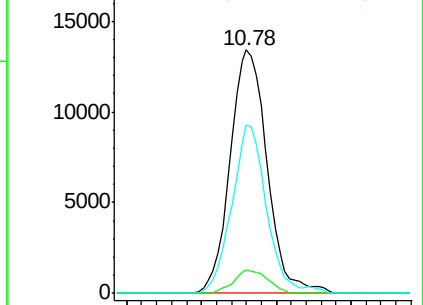
85 64.0 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040250.D (-2780) (-)

Ion 131.00 (130.70 to 131.70): VU040250.D (-2780) (-)

Ion 85.00 (84.70 to 85.70): VU040250.D (-2780) (-)



#71

1,2,3-Trichloropropane

Concen: 1.918 ug/l

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Tgt Ion: 75 Resp: 18013

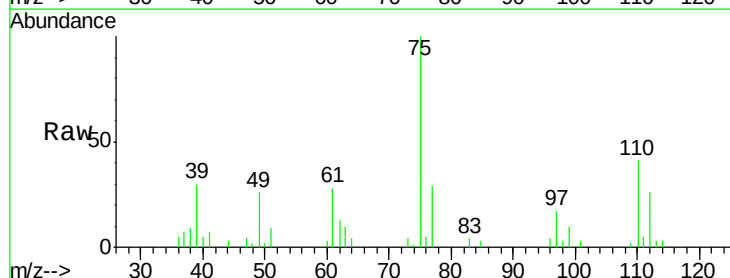
Ion Ratio Lower Upper

75 100

77 31.0 0.0 111.4

110 39.1 0.0 70.8

97 18.0 0.0 36.0

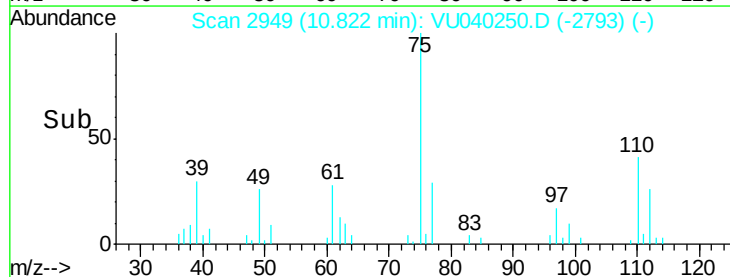
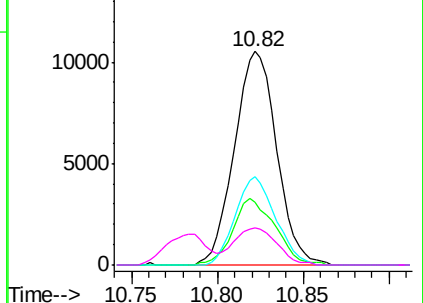


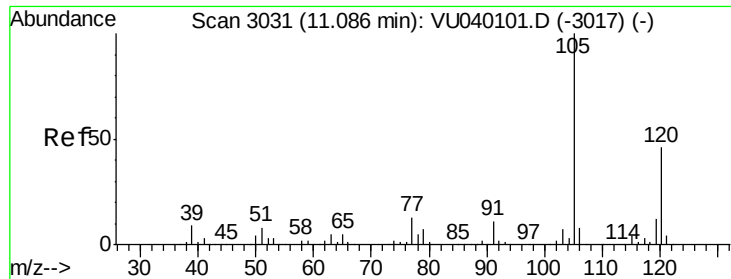
Abundance Ion 75.00 (74.70 to 75.70): VU040250.D (-2793) (-)

Ion 77.00 (76.70 to 77.70): VU040250.D (-2793) (-)

Ion 110.00 (109.70 to 110.70): VU040250.D (-2793) (-)

Ion 97.00 (96.70 to 97.70): VU040250.D (-2793) (-)





#75

1,3,5-Trimethylbenzene

Concen: 1.725 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

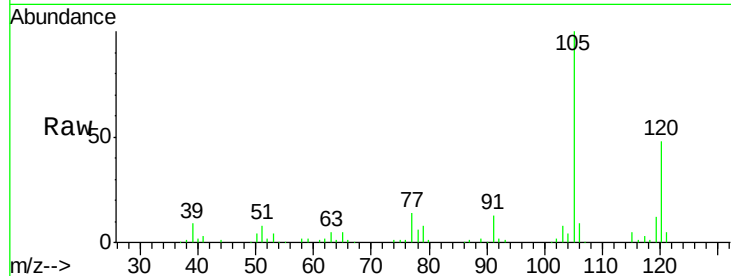
VU0922WBSD01

Tot Ion:105 Resp: 72138

Ion Ratio Lower Upper

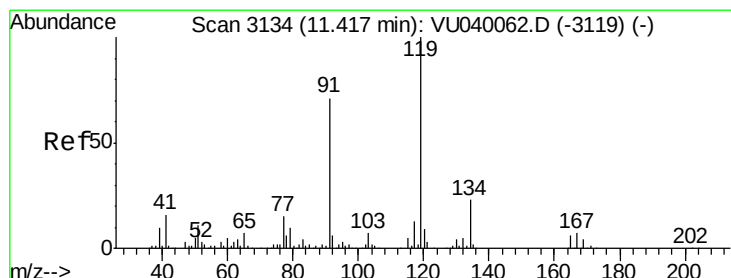
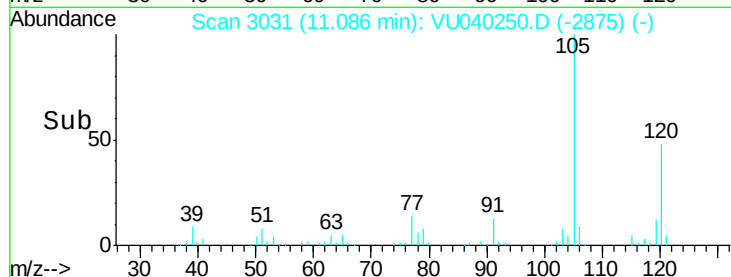
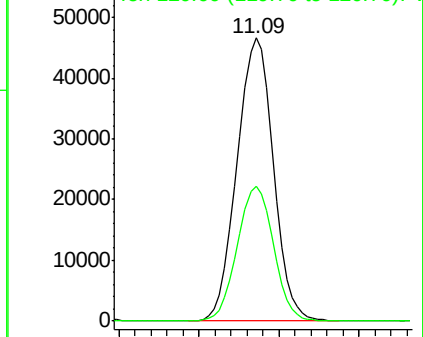
105 100

120 47.5 36.6 55.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

tert-Butylbenzene

Concen: 1.813 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

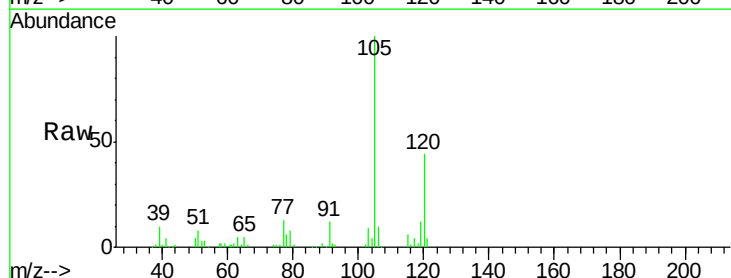
Tgt Ion:119 Resp: 9096

Ion Ratio Lower Upper

119 100

91 98.6 34.2 102.5

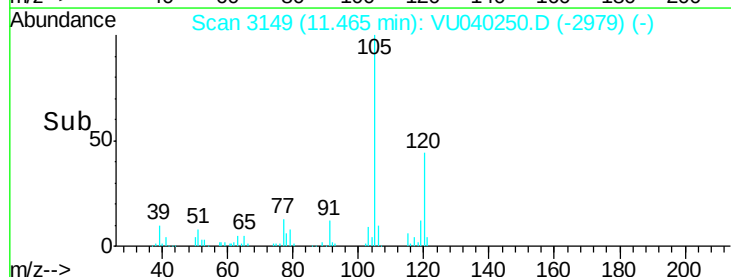
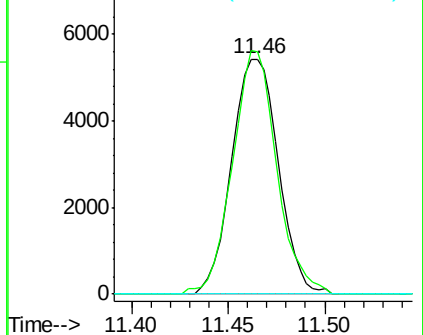
134 0.0 18.2 27.4#

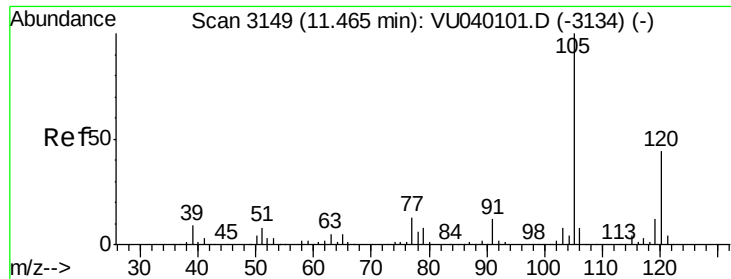


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 1.754 ug/l

RT: 11.46 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

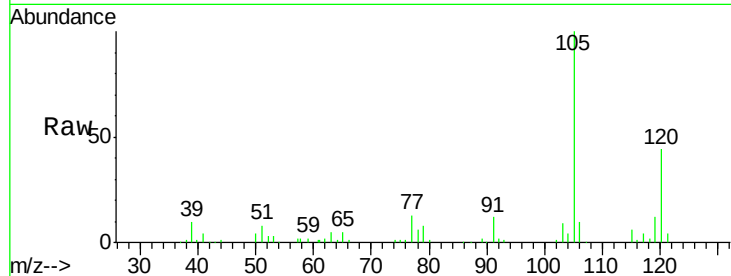
VU0922WBSD01

Tot Ion:105 Resp: 72963

Ion Ratio Lower Upper

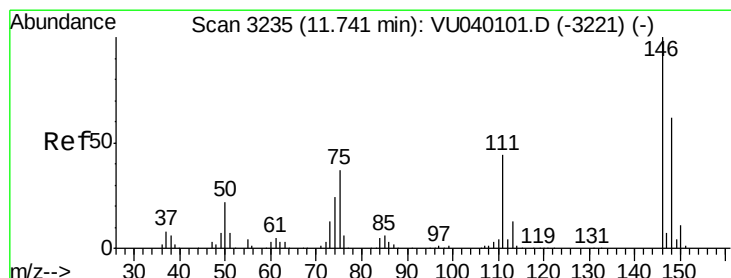
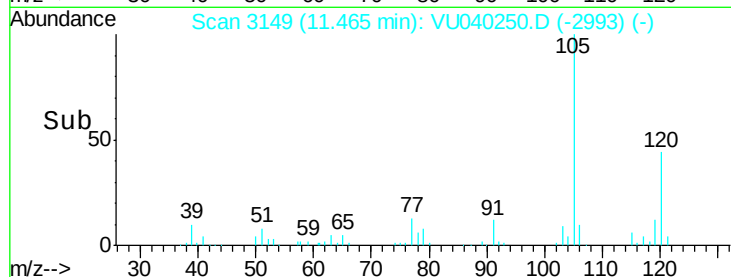
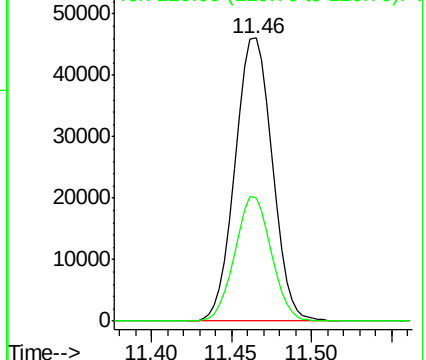
105 100

120 42.9 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

1,3-Dichlorobenzene

Concen: 2.024 ug/l

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

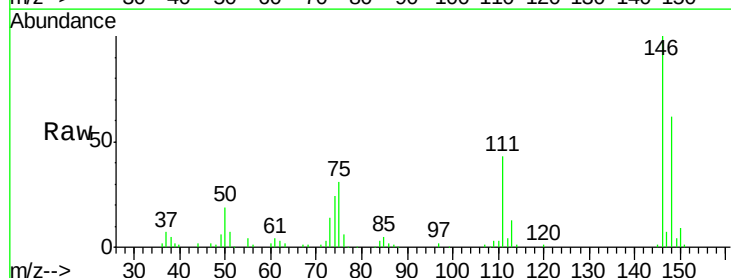
Tgt Ion:146 Resp: 48951

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.0

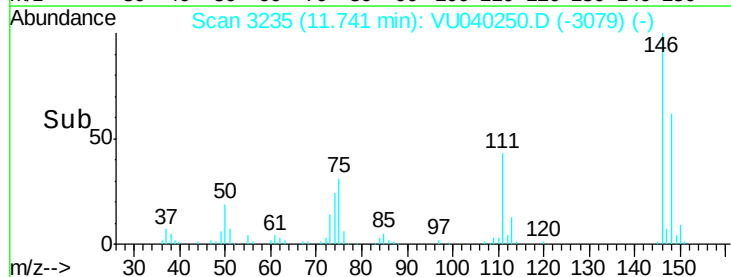
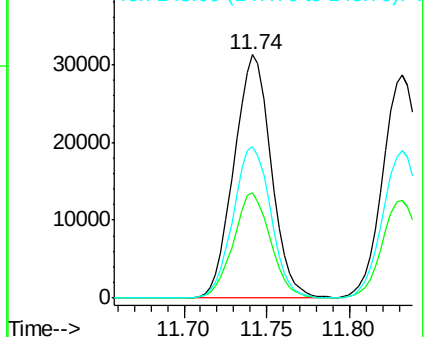
148 62.7 49.7 74.5

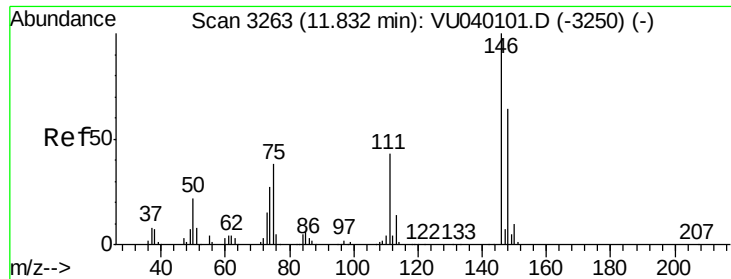


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

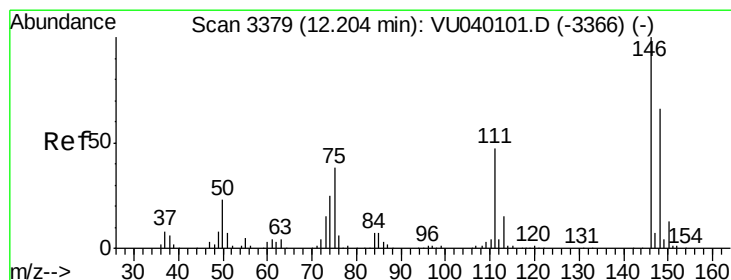
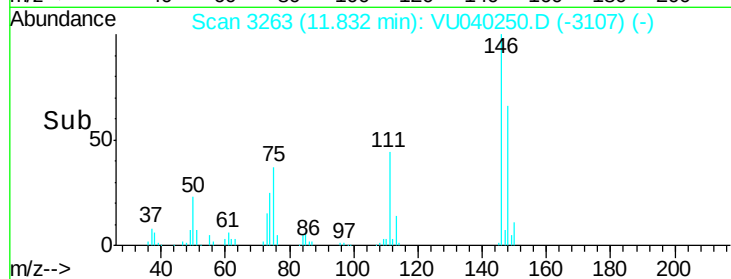
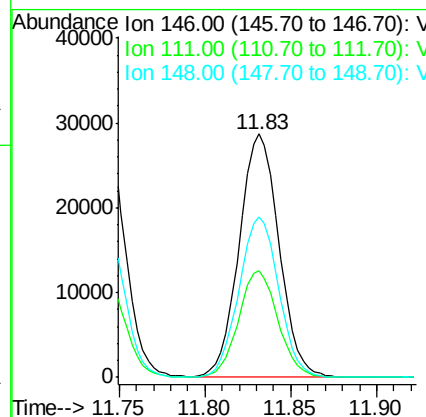
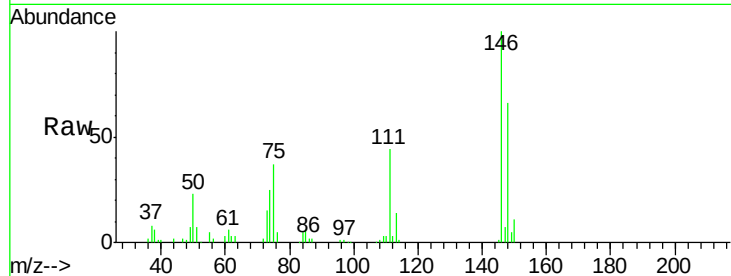




#83
 1,4-Dichlorobenzene
 Concen: 1.955 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

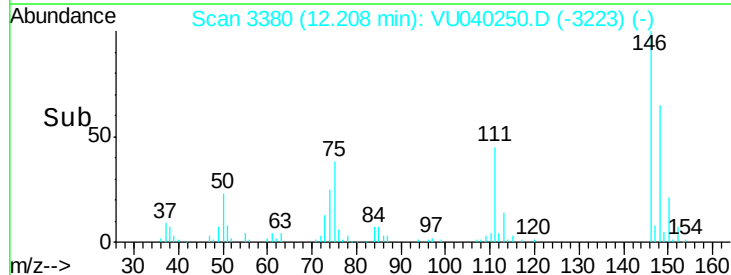
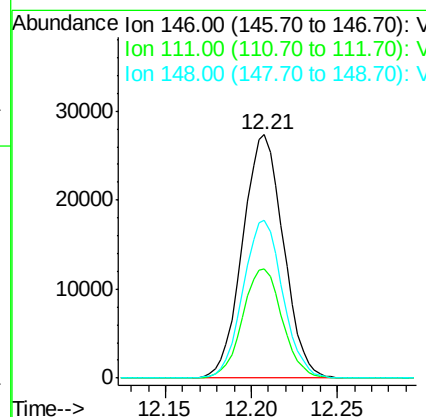
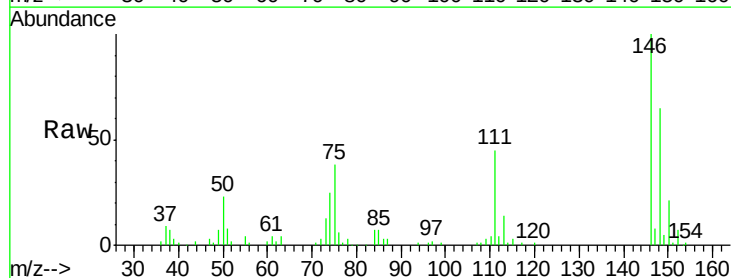
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

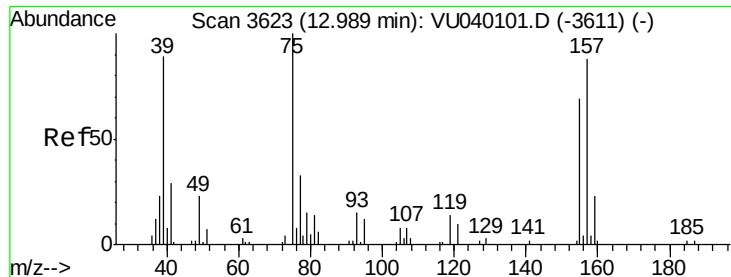
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.2	51.2
148	65.6	50.2	75.2



#85
 1,2-Dichlorobenzene
 Concen: 2.005 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.9	68.7
148	63.0	31.1	93.2

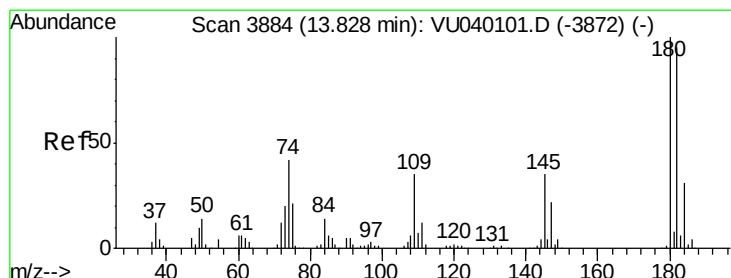
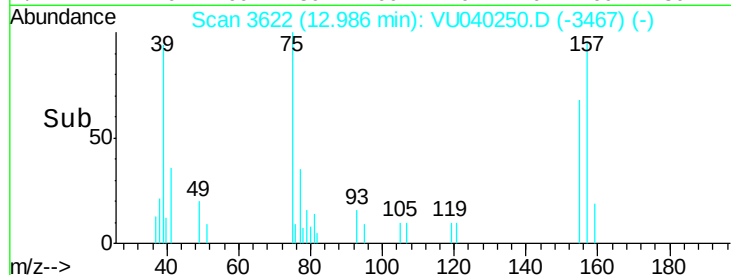
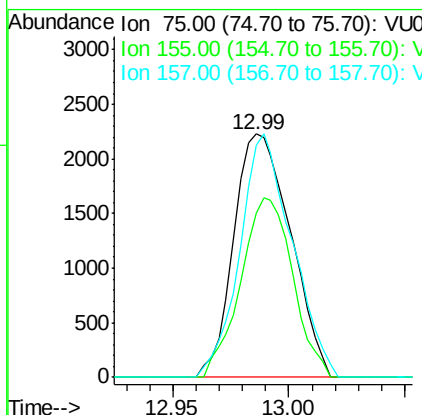
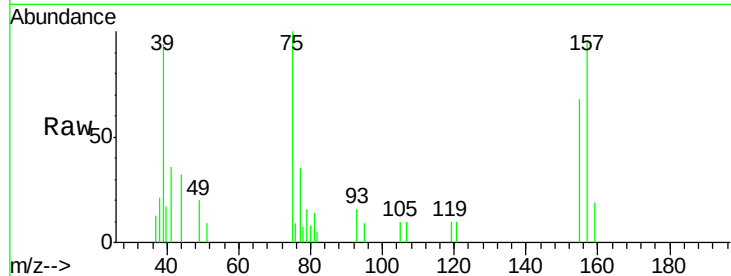




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.813 ug/l
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

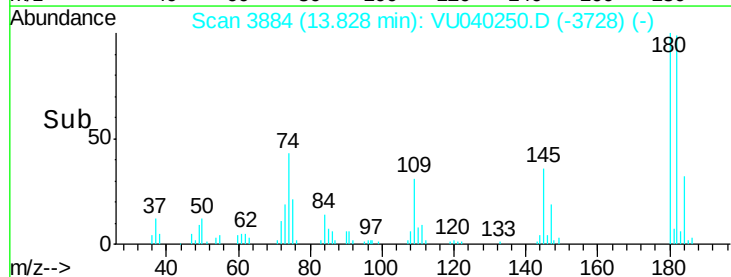
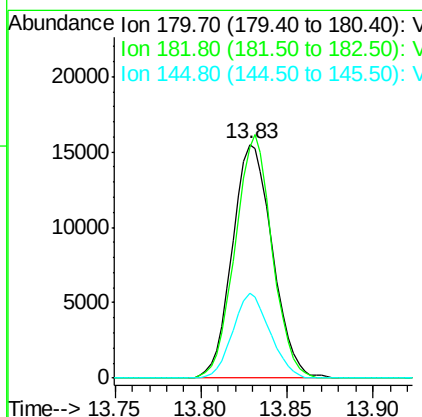
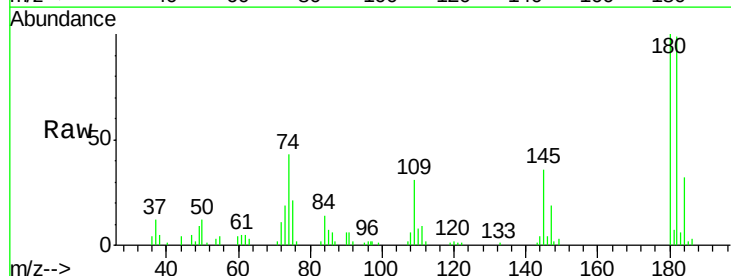
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBSD01

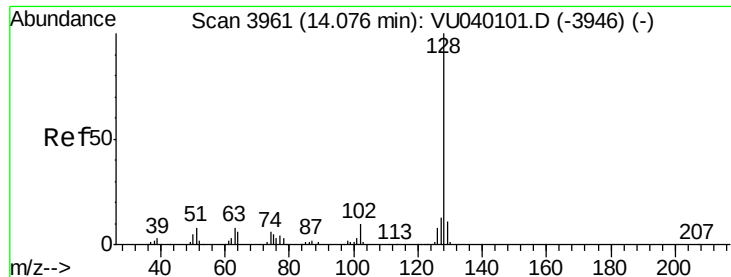
Tot Ion: 75 Resp: 3793
 Ion Ratio Lower Upper
 75 100
 155 67.5 53.4 80.0
 157 92.2 65.8 98.8



#87
 1,2,4-Trichlorobenzene
 Concen: 1.934 ug/l
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040250.D
 Acq: 22 Sep 2020 16:32

Tgt Ion: 180 Resp: 25058
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.0 112.4
 145 33.5 27.7 41.5





#89

Naphthalene

Concen: 1.574 ug/l

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBSD01

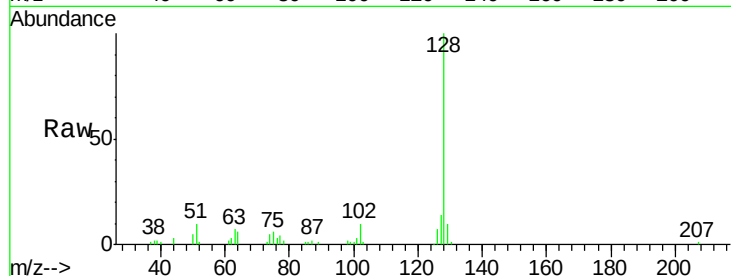
Tot Ion:128 Resp: 37633

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

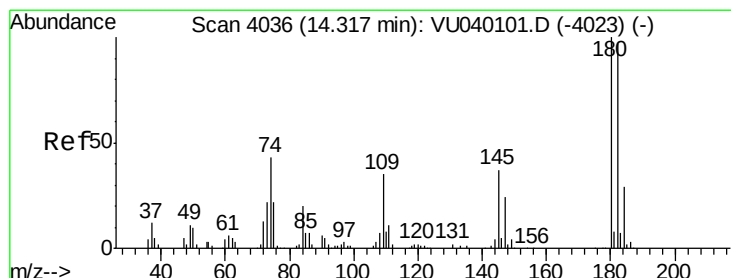
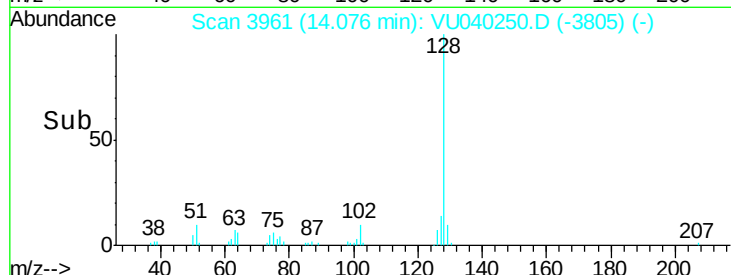
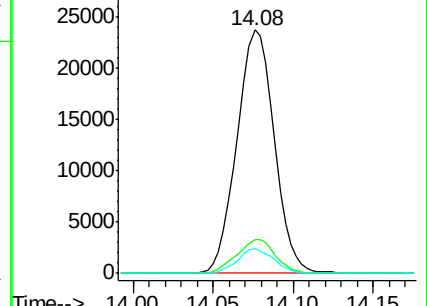
129 9.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.935 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040250.D

Acq: 22 Sep 2020 16:32

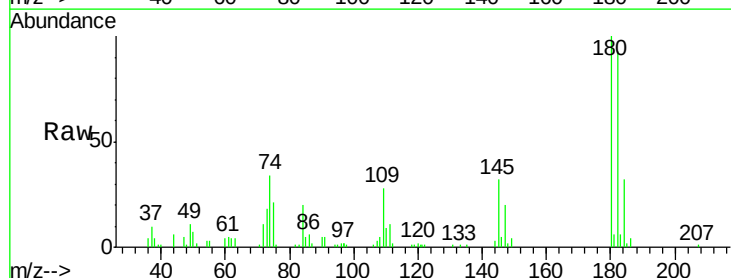
Tgt Ion:180 Resp: 23822

Ion Ratio Lower Upper

180 100

182 91.4 76.0 114.0

145 33.4 30.6 45.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

