

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092220\
 Data File : VU040249.D
 Acq On : 22 Sep 2020 16:04
 Operator : SY/MD
 Sample : VU0922WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Quant Time: Sep 23 08:20:21 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	49330	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.63	95	19335	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	19241	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	42710	1.957	100
3) Chloromethane	1.53	50	41729	2.390	100
4) Vinyl Chloride	1.61	62	40142	2.036	100
5) Bromomethane	1.86	94	20680	3.347	93
6) Chloroethane	1.94	64	25787	2.284	97
7) Trichlorofluoromethane	2.15	101	55809	2.006	97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23155	1.863	98
9) 1,1-Dichloroethene	2.59	96	17929	1.884	97
13) Acetone	2.64	43	69713	9.668	100
14) Carbon Disulfide	2.80	76	29596	1.778	99
15) Methylene Chloride	3.06	84	45118	2.822	95
16) trans-1,2-Dichloroethene	3.37	96	20780	2.032	93
17) 1,1-Dichloroethane	3.89	63	51187	2.038	100
18) 2-Butanone	4.73	43	103254	9.481	98
19) Cyclohexane	5.40	56	33231	2.131	96
20) Methylcyclohexane	6.77	83	33981	2.151	98
22) cis-1,2-Dichloroethene	4.68	96	26885	2.085	89
25) Methyl tert-Butyl Ether	3.38	73	71332	2.070	99
26) Bromochloromethane	4.99	128	11771	1.879	96
27) Chloroform	5.11	83	54917	1.999	96
28) 1,1,1-Trichloroethane	5.33	97	46263	2.004	100
30) Carbon Tetrachloride	5.53	117	38413	2.026	96
35) Benzene	5.78	78	98153	1.992	97
36) 1,2-Dichloroethane	5.81	62	38767	1.957	99
37) Trichloroethene	6.55	130	26893	2.124	95
38) 1,2-Dichloropropane	6.80	63	31999	2.098	98
44) Bromodichloromethane	7.11	83	43305	2.078	99
45) 4-Methyl-2-Pentanone	7.81	43	231352	9.307	99
49) Toluene	7.97	92	64058	2.050	98
50) t-1,3-Dichloropropene	8.22	75	37647	1.928	100
51) cis-1,3-Dichloropropene	7.62	75	39076	1.945	98
52) 1,1,2-Trichloroethane	8.41	97	23073	1.904	97
54) 2-Hexanone	8.70	43	159882	9.099	97
55) Dibromochloromethane	8.82	129	27271	1.946	100
56) 1,2-Dibromoethane	8.93	107	21857	1.963	98
58) Tetrachloroethene	8.56	164	20507	2.179	92
59) Chlorobenzene	9.45	112	72771	1.980	99
63) Ethyl Benzene	9.57	91	112428	1.842	100
64) m/p-Xylenes	9.69	106	44631	3.851	95
65) o-Xylene	10.10	106	42345	1.904	99
66) Styrene	10.11	104	79584	2.005	97

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 Operator : SY/MD
 Sample : VU0922WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

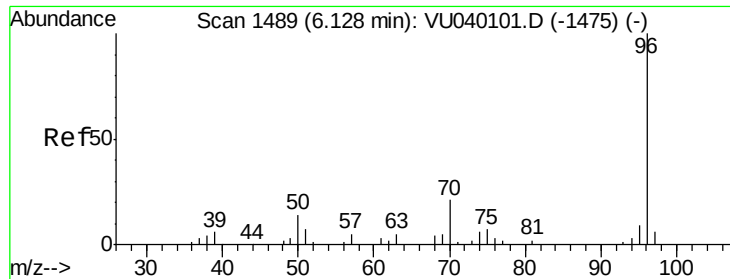
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Quant Time: Sep 23 08:20:21 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	15025	2.048	ug/l	95
69) Isopropylbenzene	10.48	105	118624	1.925	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.78	83	29198	1.851	ug/l	92
71) 1,2,3-Trichloropropane	10.82	75	22519	1.867	ug/l	83
75) 1,3,5-Trimethylbenzene	11.09	105	98014	1.825	ug/l	99
77) tert-Butylbenzene	11.47	119	12534	1.946	ug/l #	55
78) 1,2,4-Trimethylbenzene	11.47	105	95594	1.790	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	63169	2.034	ug/l	98
83) 1,4-Dichlorobenzene	11.83	146	64125	2.112	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	61043	2.109	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	5075	1.890	ug/l	90
87) 1,2,4-Trichlorobenzene	13.83	180	36506	2.195	ug/l	98
89) Naphthalene	14.08	128	52443	1.708	ug/l	98
90) 1,2,3-Trichlorobenzene	14.32	180	33136	2.097	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

Tot Ion: 96 Resp: 49330

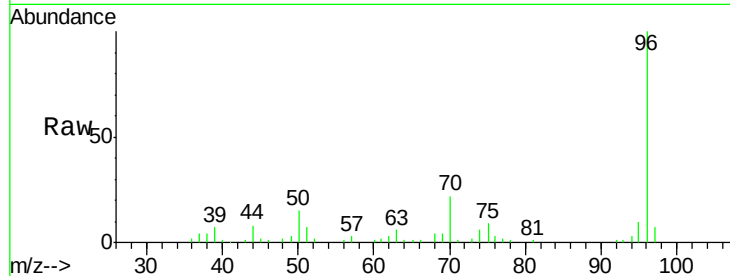
Ion Ratio Lower Upper

96 100

70 20.9 17.1 25.7

95 9.7 7.6 11.4

97 7.0 0.0 0.0#

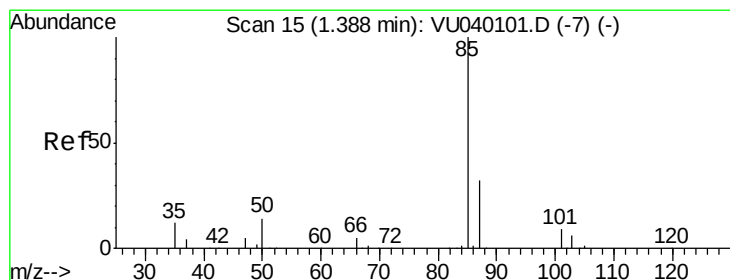
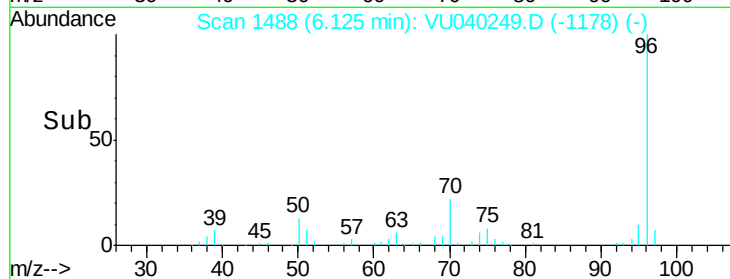
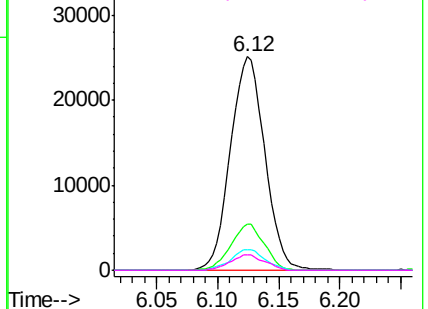


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1475) (-)

Ion 70.00 (69.70 to 70.70): VU040101.D (-1475) (-)

Ion 95.00 (94.70 to 95.70): VU040101.D (-1475) (-)

Ion 97.00 (96.70 to 97.70): VU040101.D (-1475) (-)



#2

Dichlorodifluoromethane

Concen: 1.957 ug/l

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040249.D

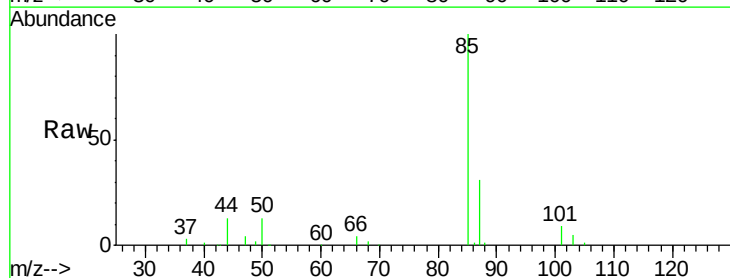
Acq: 22 Sep 2020 16:04

Tgt Ion: 85 Resp: 42710

Ion Ratio Lower Upper

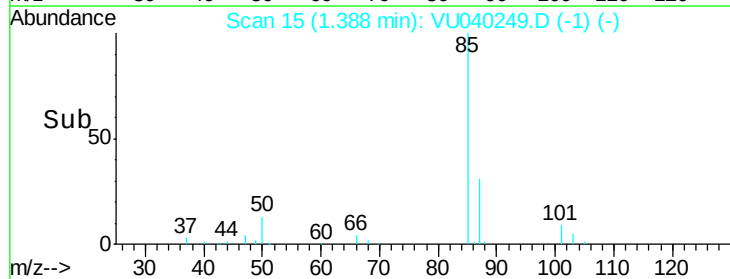
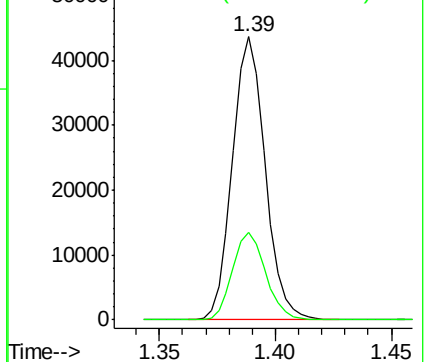
85 100

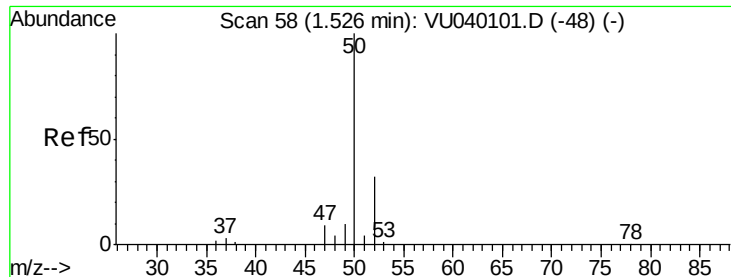
87 31.1 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VU040101.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040101.D (-7) (-)





#3

Chloromethane

Concen: 2.390 ug/l

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

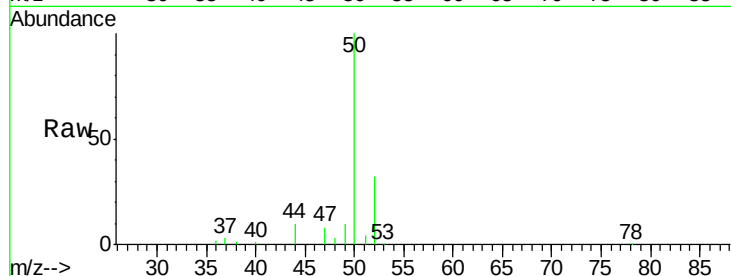
VU0922WBS01

Tot Ion: 50 Resp: 41729

Ion Ratio Lower Upper

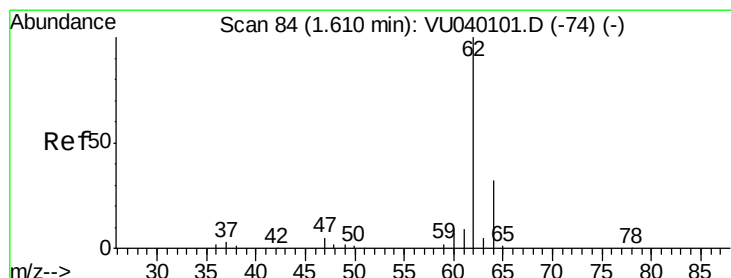
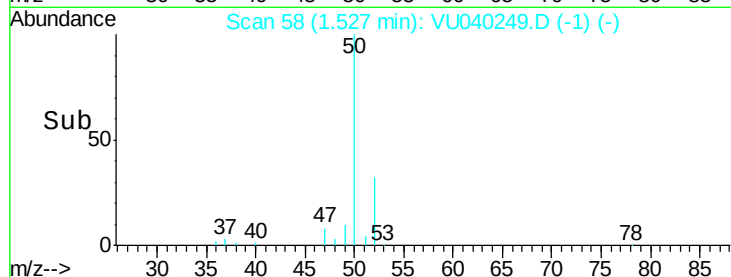
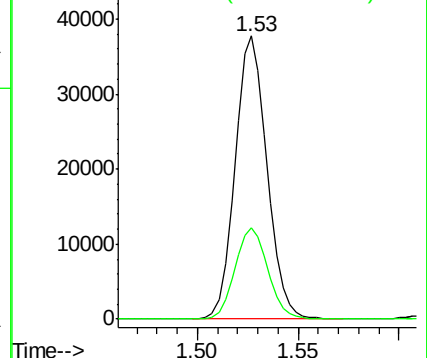
50 100

52 32.3 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: 2.036 ug/l

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040249.D

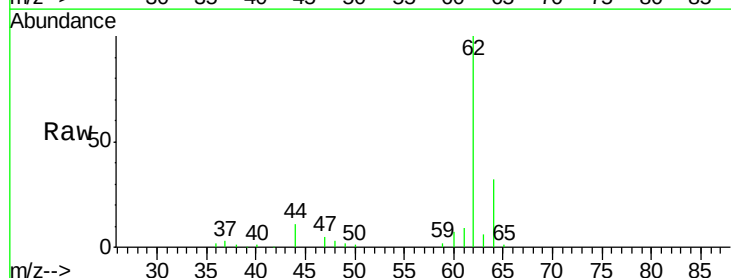
Acq: 22 Sep 2020 16:04

Tgt Ion: 62 Resp: 40142

Ion Ratio Lower Upper

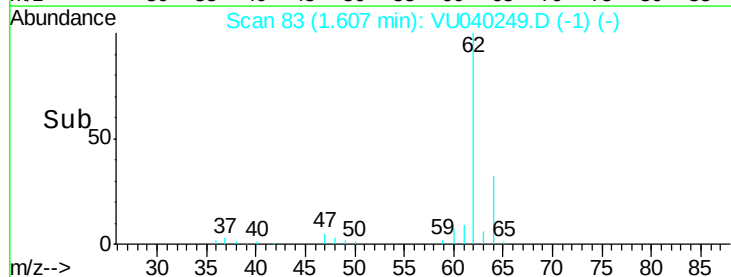
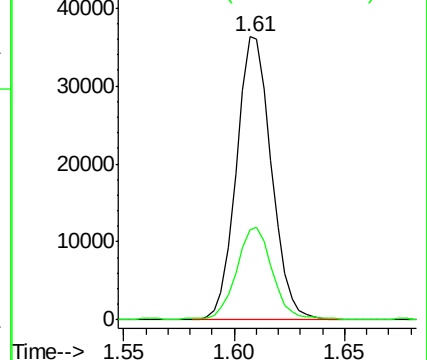
62 100

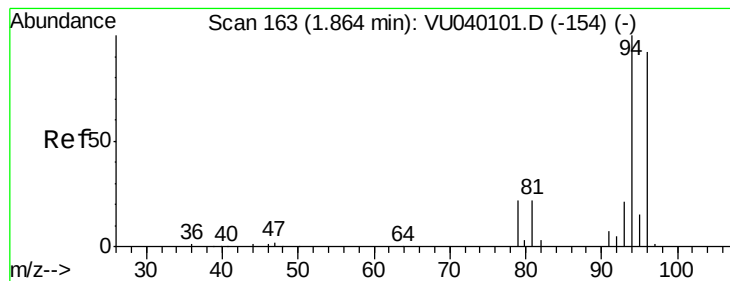
64 31.6 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 3.347 ug/l

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

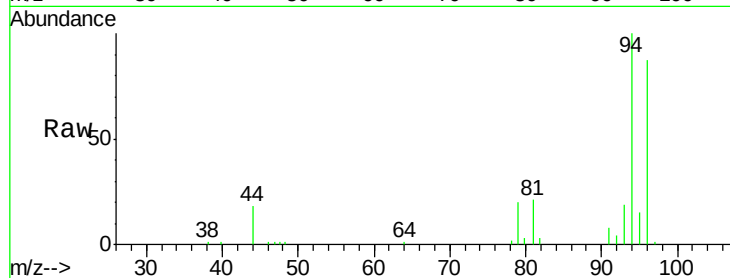
VU0922WBS01

Tot Ion: 94 Resp: 20680

Ion Ratio Lower Upper

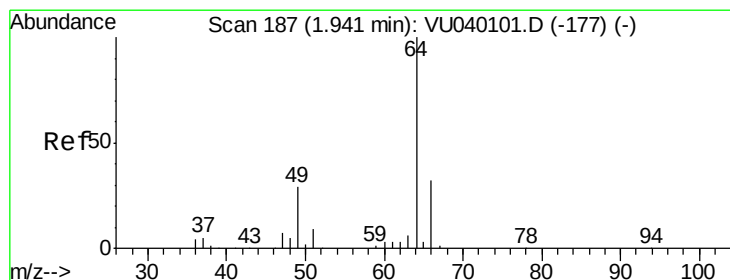
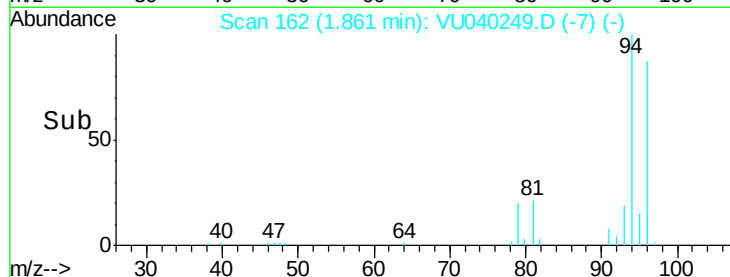
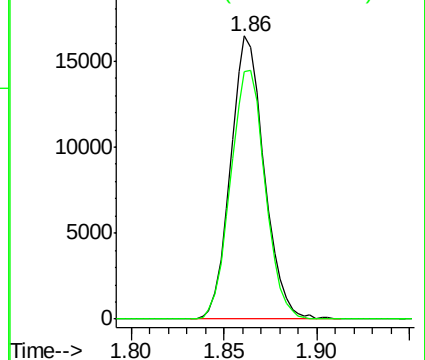
94 100

96 87.4 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: 2.284 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040249.D

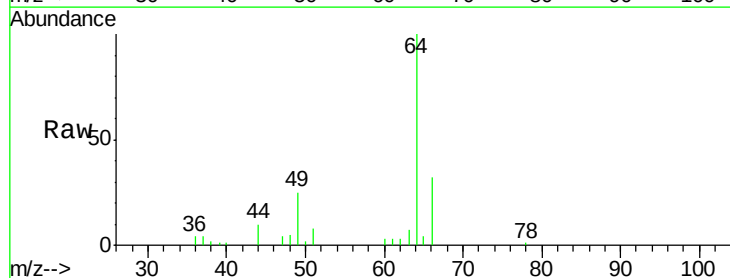
Acq: 22 Sep 2020 16:04

Tgt Ion: 64 Resp: 25787

Ion Ratio Lower Upper

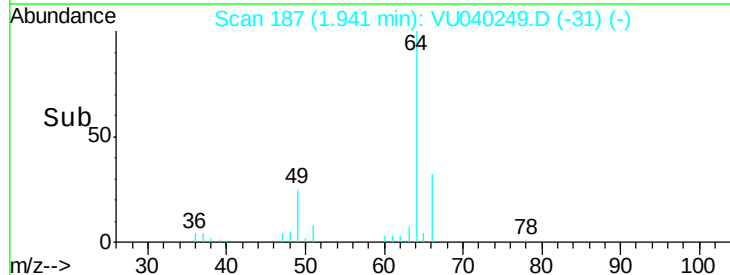
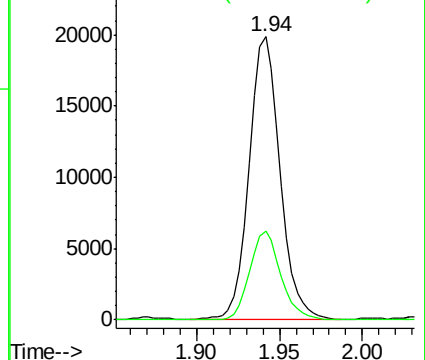
64 100

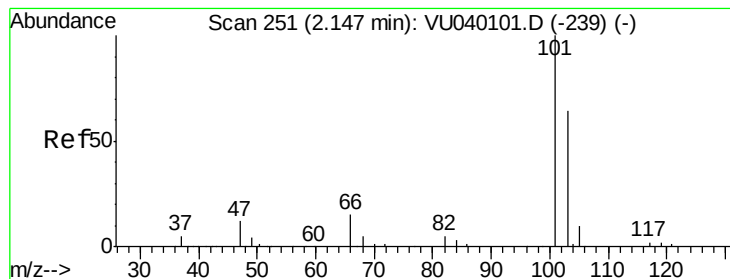
66 31.5 26.7 40.1



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



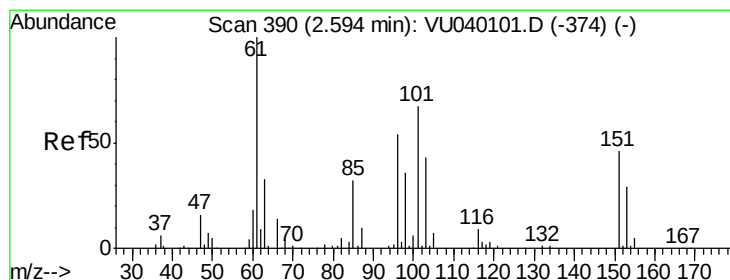
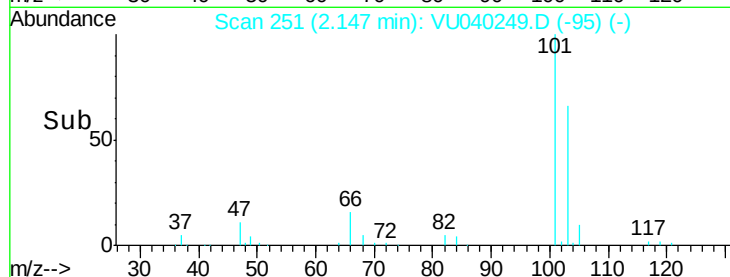
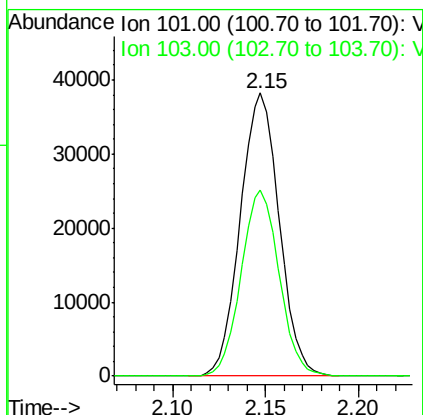
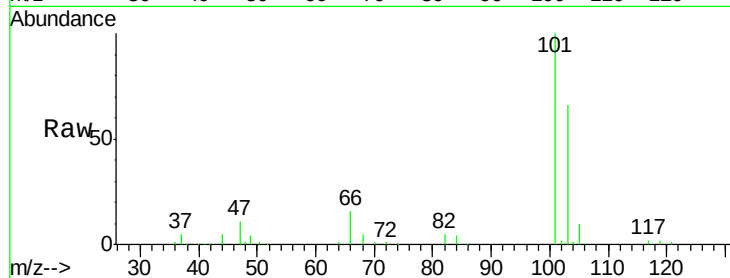


#7

Trichlorofluoromethane
Concen: 2.006 ug/l
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

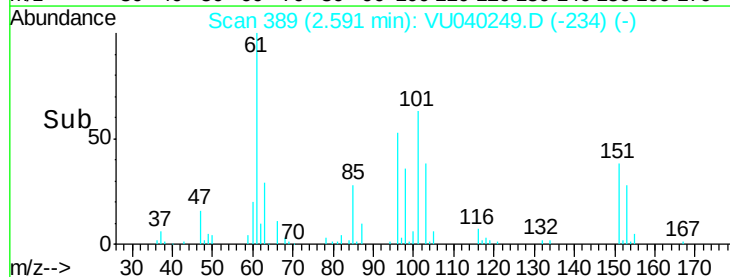
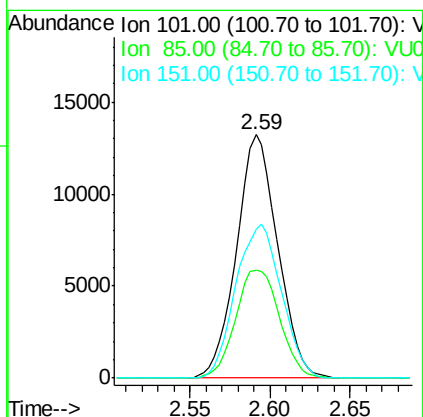
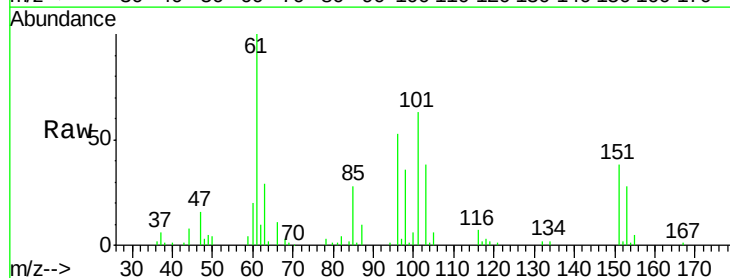
Tot Ion:101 Resp: 55809
Ion Ratio Lower Upper
101 100
103 65.6 50.8 76.2

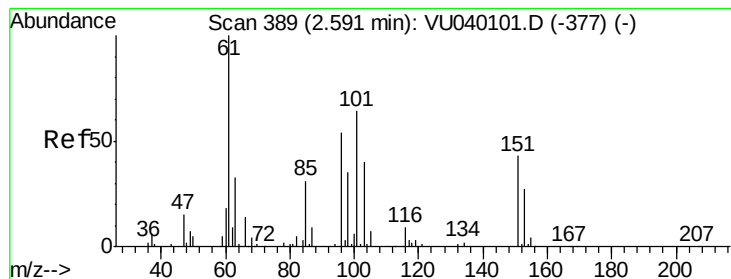


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.863 ug/l
RT: 2.59 min Scan# 389
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion:101 Resp: 23155
Ion Ratio Lower Upper
101 100
85 47.4 38.5 57.7
151 70.2 54.6 81.8





#9

1,1-Dichloroethene

Concen: 1.884 ug/l

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

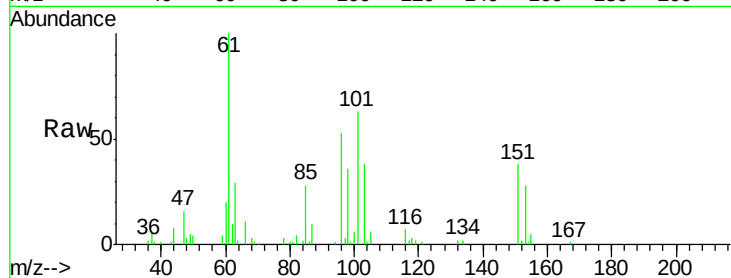
Tot Ion: 96 Resp: 17929

Ion Ratio Lower Upper

96 100

61 189.5 0.0 557.1

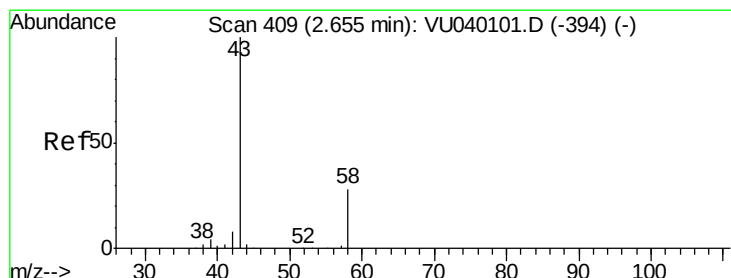
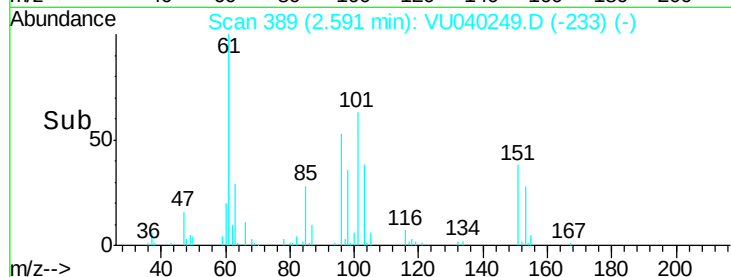
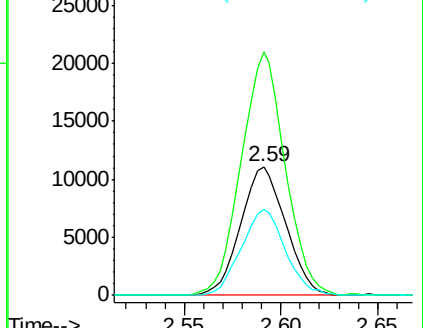
98 67.4 0.0 125.6



Abundance Ion 96.00 (95.70 to 96.70): VU040249.D (-233) (-)

Ion 61.00 (60.70 to 61.70): VU040249.D (-233) (-)

Ion 98.00 (97.70 to 98.70): VU040249.D (-233) (-)



#13

Acetone

Concen: 9.668 ug/l

RT: 2.64 min Scan# 403

Delta R.T. -0.02 min

Lab File: VU040249.D

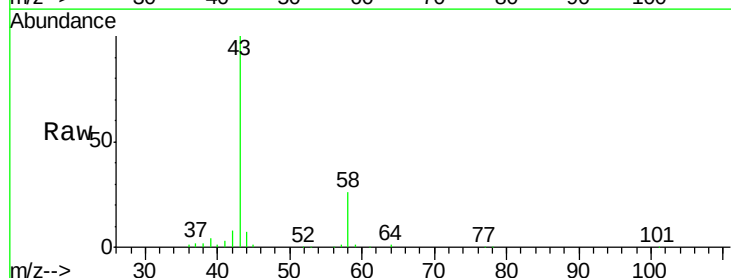
Acq: 22 Sep 2020 16:04

Tgt Ion: 43 Resp: 69713

Ion Ratio Lower Upper

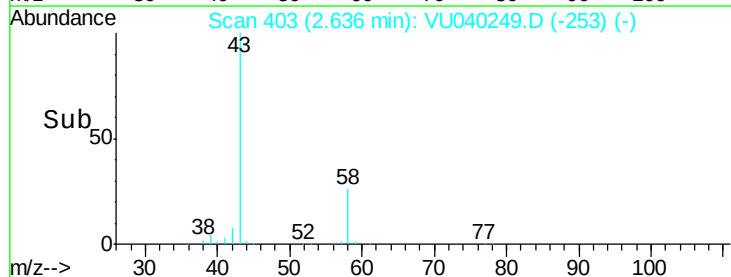
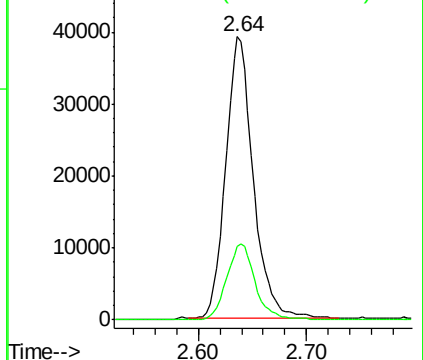
43 100

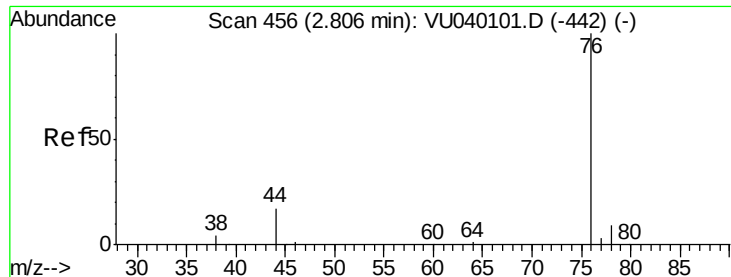
58 25.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VU040249.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VU040249.D (-253) (-)





#14

Carbon Disulfide

Concen: 1.778 ug/l

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

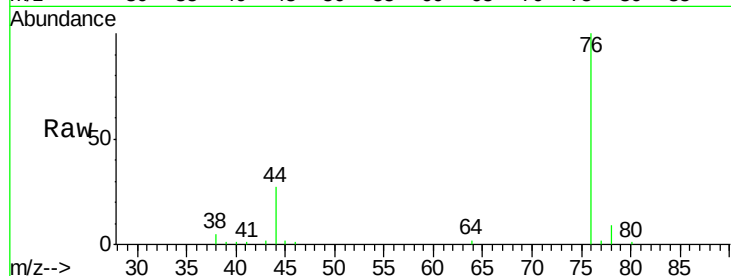
VU0922WBS01

Tot Ion: 76 Resp: 29596

Ion Ratio Lower Upper

76 100

78 8.8 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

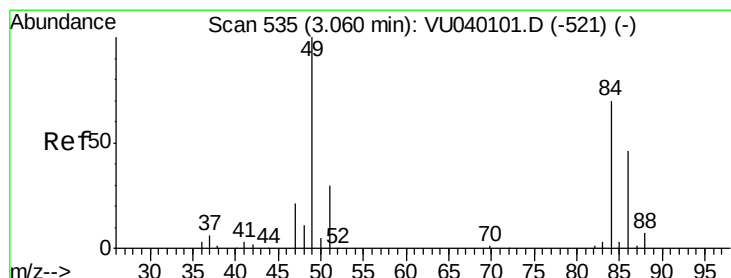
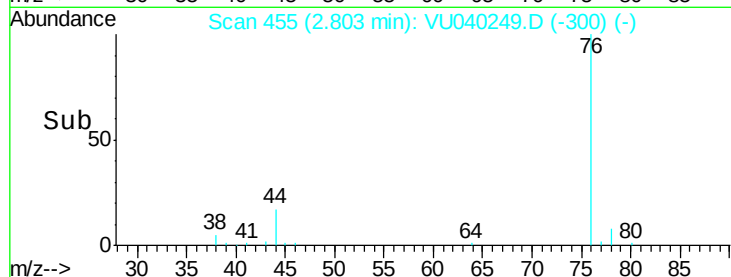
10000

5000

0

Time-->

2.75 2.80 2.85



#15

Methylene Chloride

Concen: 2.822 ug/l

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Tgt Ion: 84 Resp: 45118

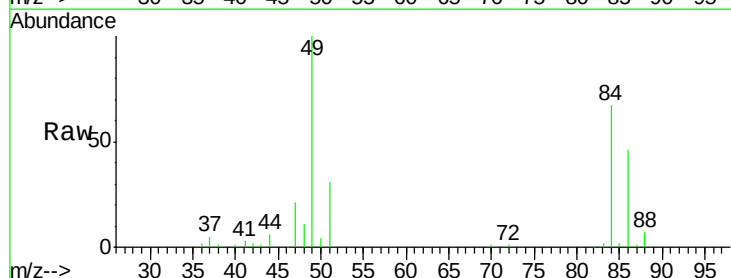
Ion Ratio Lower Upper

84 100

49 148.6 114.3 171.5

51 46.4 0.0 84.6

86 67.7 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) (-)

50000

40000

30000

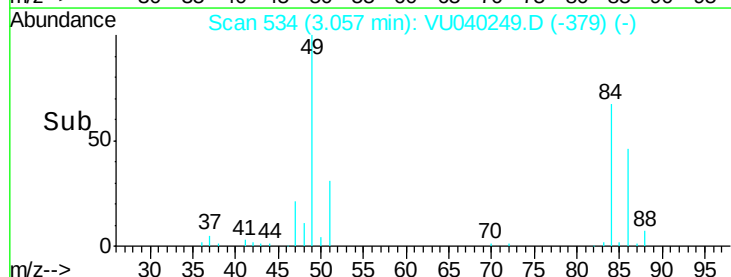
20000

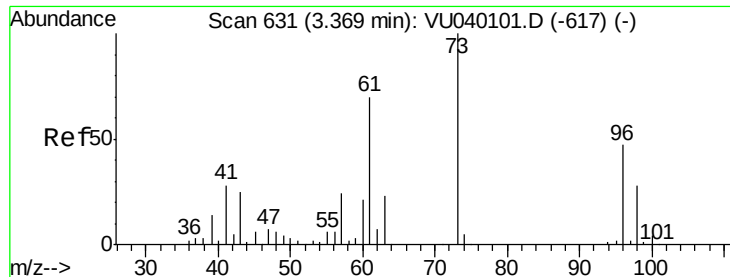
10000

0

Time-->

3.00 3.05 3.10 3.15

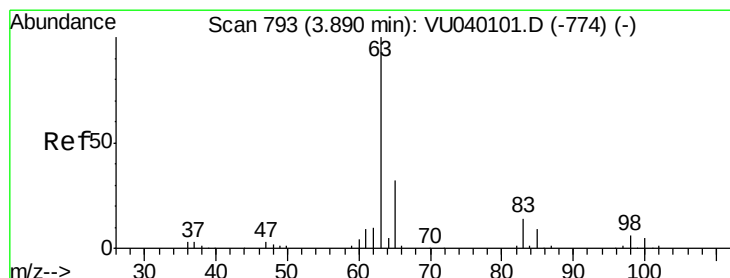
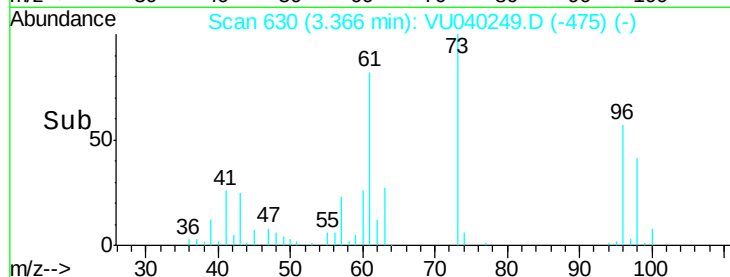
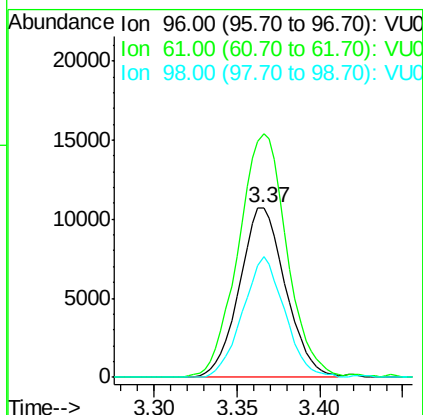
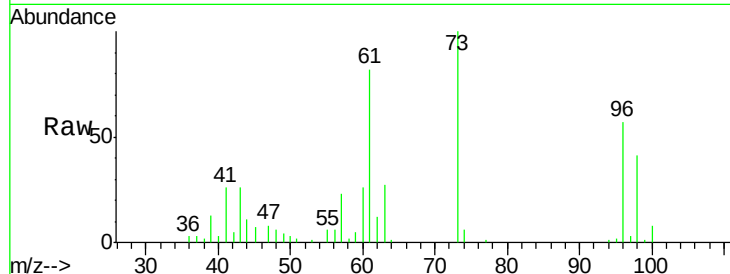




#16
 trans-1,2-Dichloroethene
 Concen: 2.032 ug/l
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

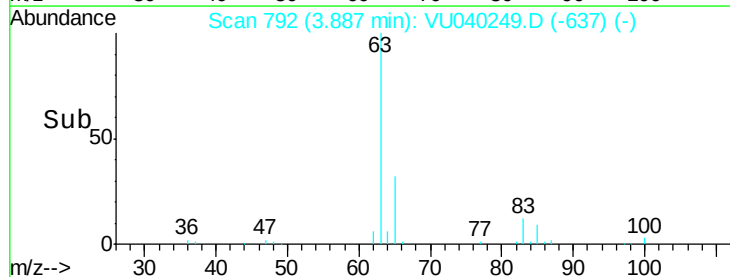
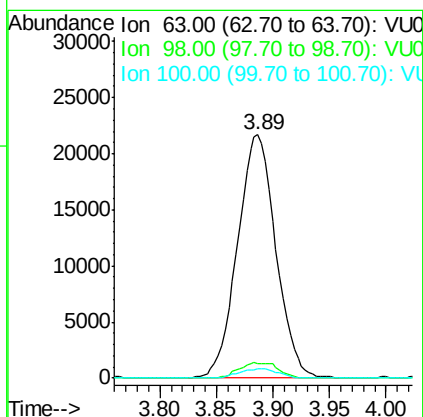
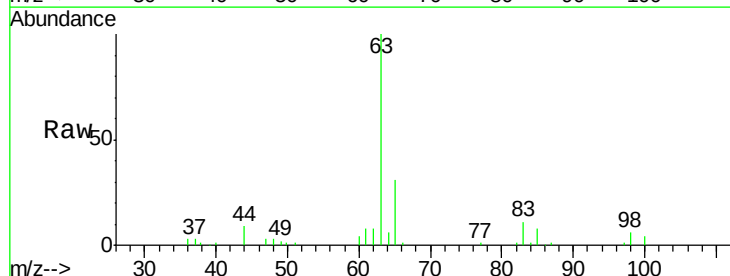
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

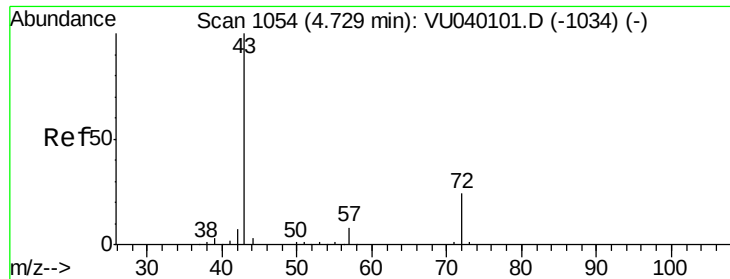
Tot Ion: 96 Resp: 20780
 Ion Ratio Lower Upper
 96 100
 61 142.8 121.4 182.0
 98 71.3 51.9 77.9



#17
 1,1-Dichloroethane
 Concen: 2.038 ug/l
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 63 Resp: 51187
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.4
 100 3.7 2.0 5.8

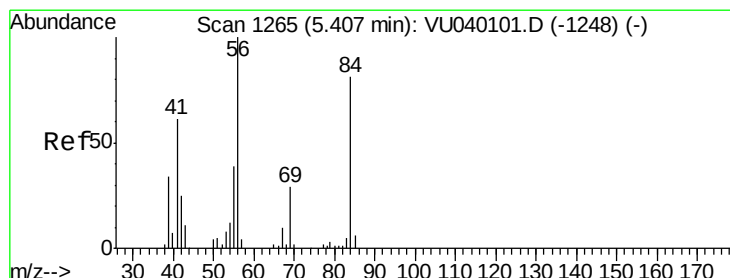
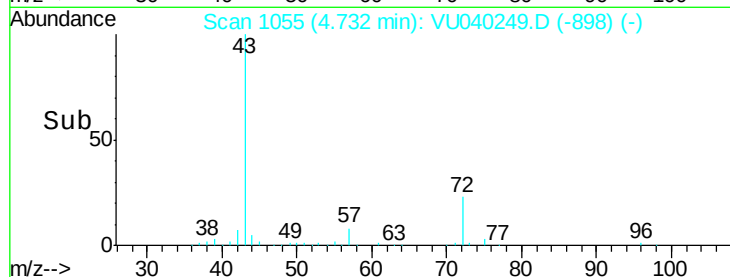
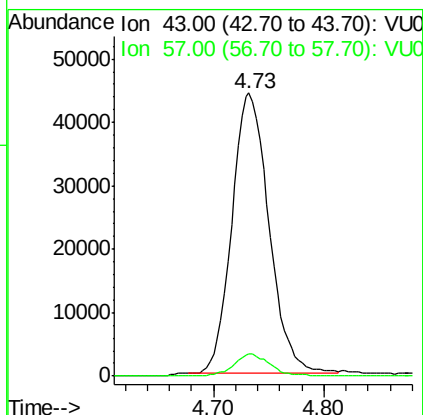
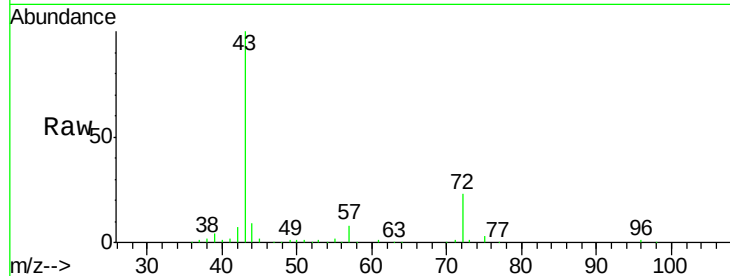




#18
2-Butanone
Concen: 9.481 ug/l
RT: 4.73 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

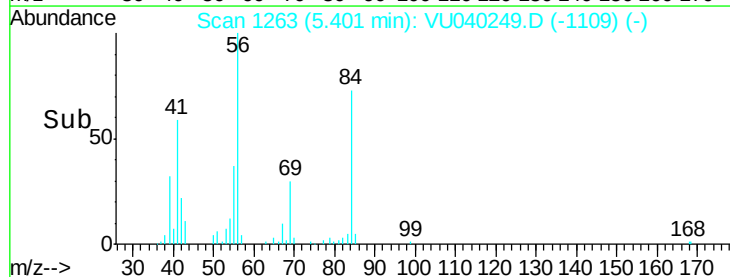
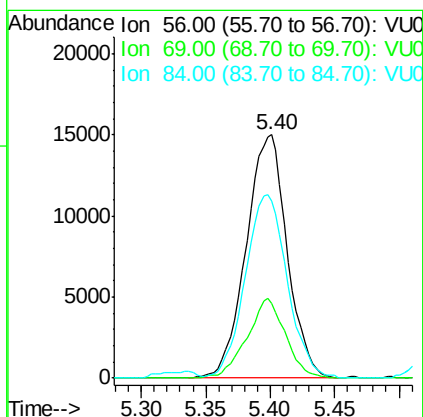
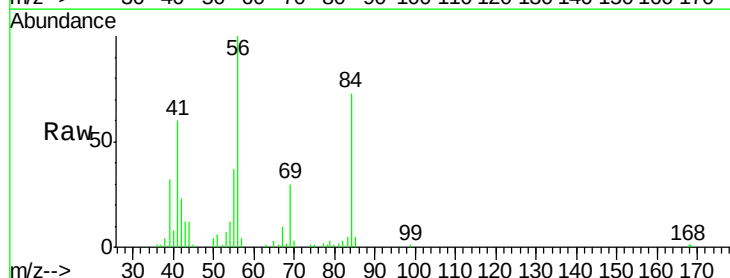
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

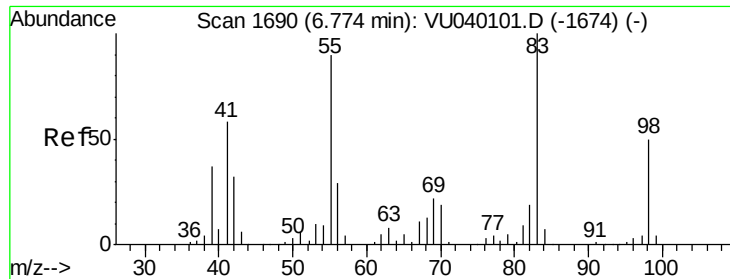
Tot Ion: 43 Resp: 103254
Ion Ratio Lower Upper
43 100
57 8.2 0.0 15.2



#19
Cyclohexane
Concen: 2.131 ug/l
RT: 5.40 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion: 56 Resp: 33231
Ion Ratio Lower Upper
56 100
69 30.7 23.5 35.3
84 76.2 63.8 95.6

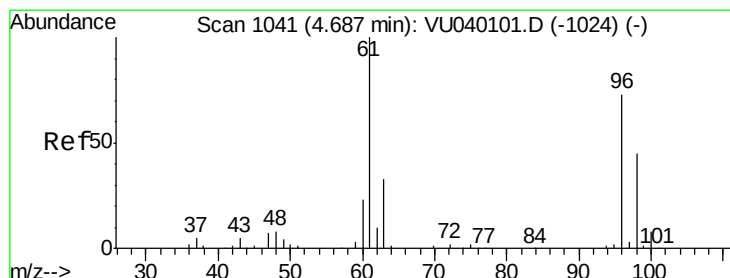
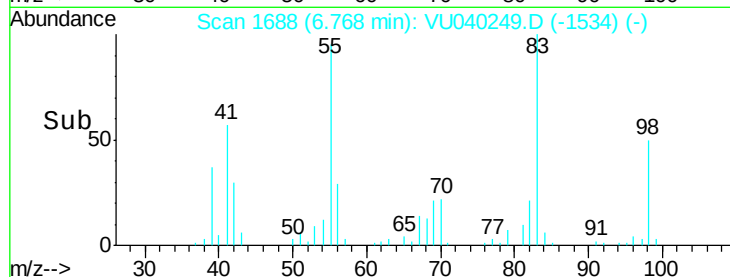
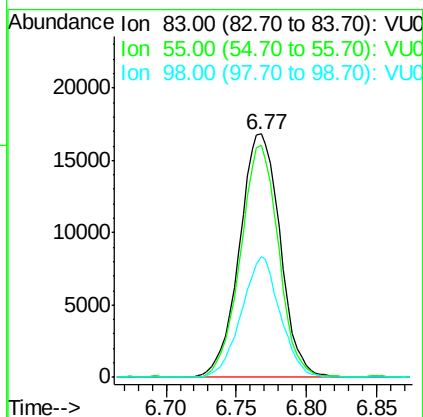
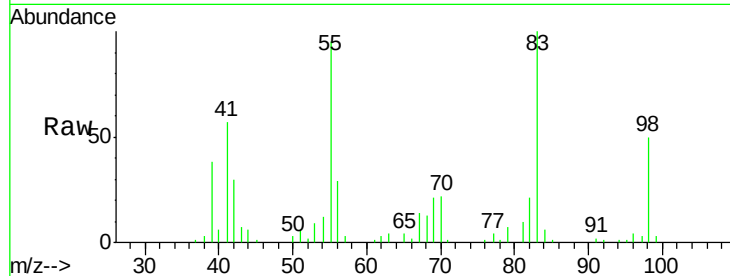




#20
Methylcyclohexane
Concen: 2.151 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

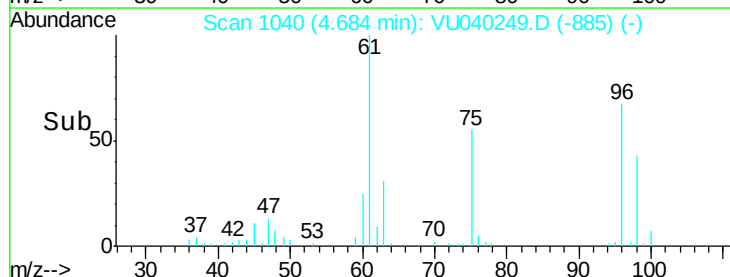
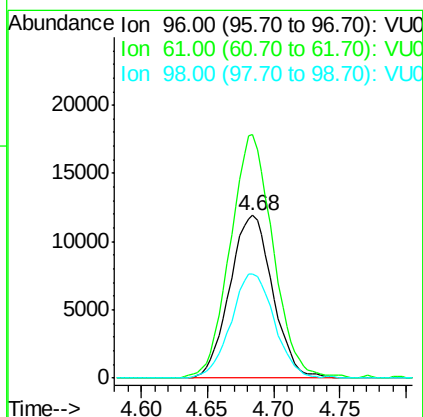
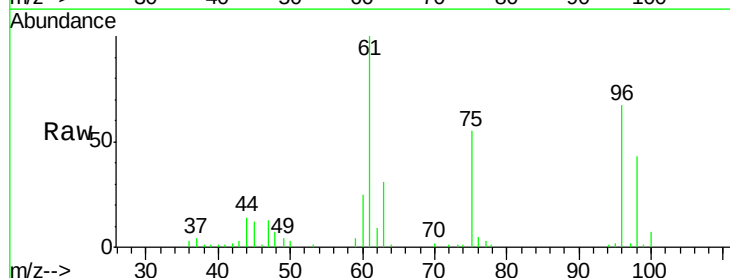
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

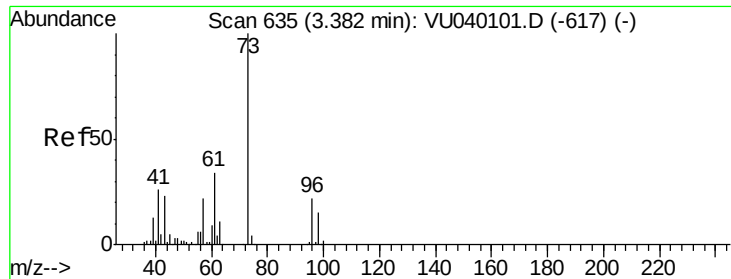
Tot Ion: 83 Resp: 33981
Ion Ratio Lower Upper
83 100
55 89.2 69.4 104.2
98 46.9 37.5 56.3



#22
cis-1,2-Dichloroethene
Concen: 2.085 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion: 96 Resp: 26885
Ion Ratio Lower Upper
96 100
61 148.7 0.0 420.0
98 64.6 31.8 95.3



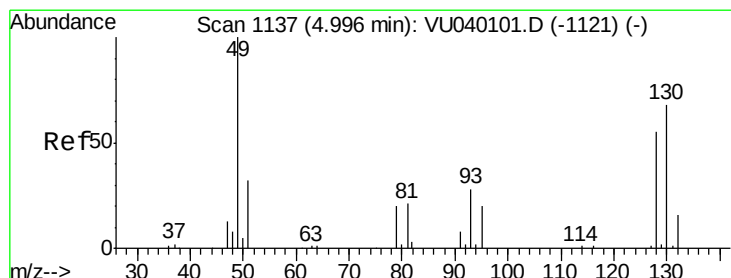
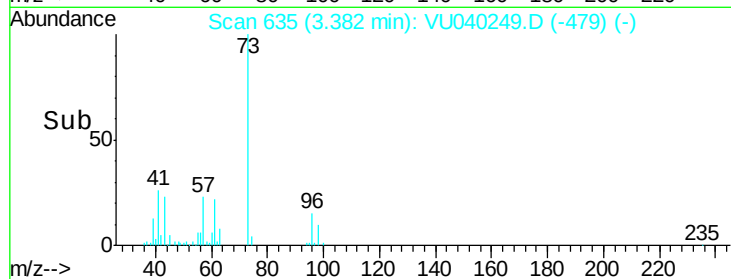
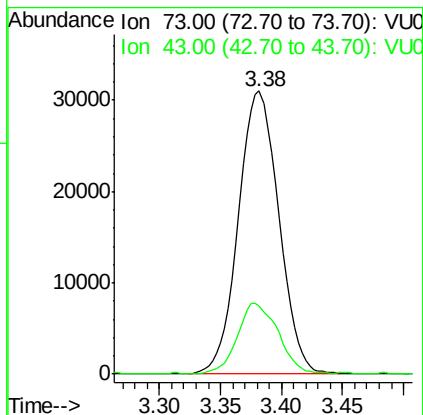
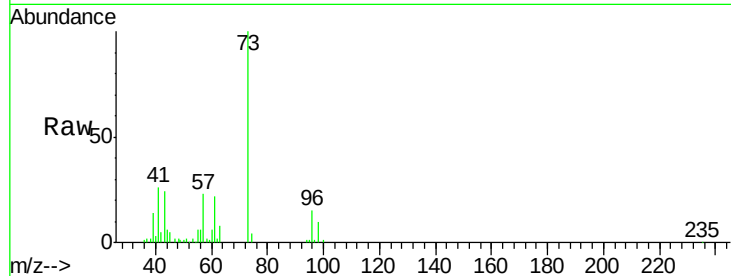


#25

Methyl tert-Butyl Ether
 Concen: 2.070 ug/l
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

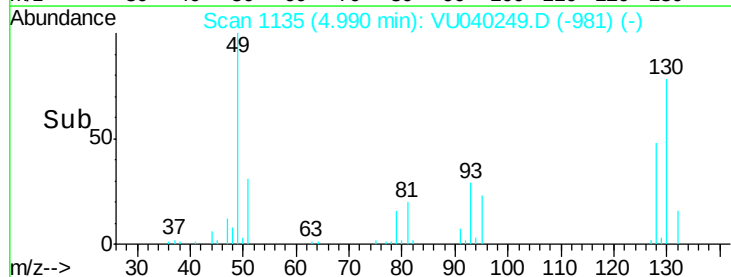
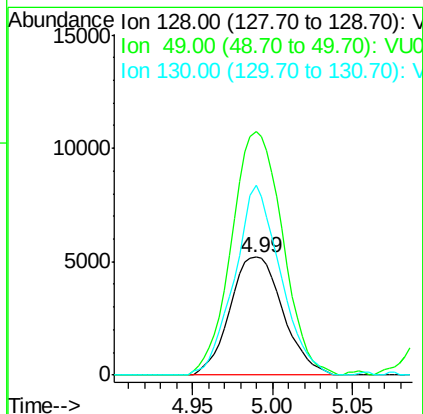
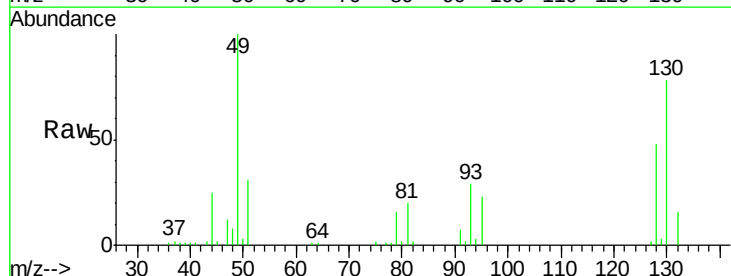
Tot Ion: 73 Resp: 71332
 Ion Ratio Lower Upper
 73 100
 43 25.3 20.0 30.0

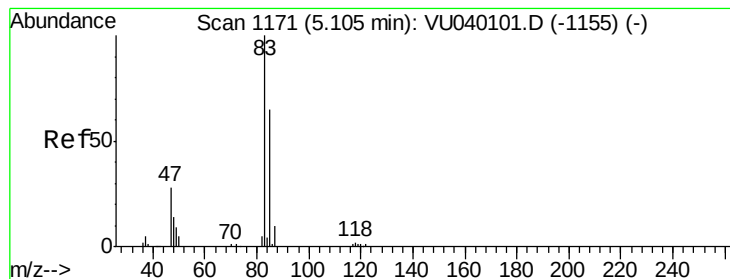


#26

Bromochloromethane
 Concen: 1.879 ug/l
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 128 Resp: 11771
 Ion Ratio Lower Upper
 128 100
 49 199.2 0.0 390.6
 130 139.4 104.9 157.3





#27

Chloroform

Concen: 1.999 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

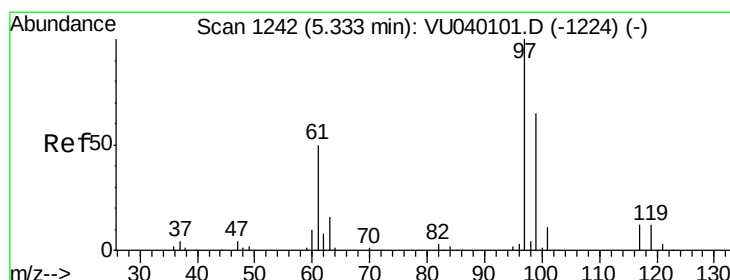
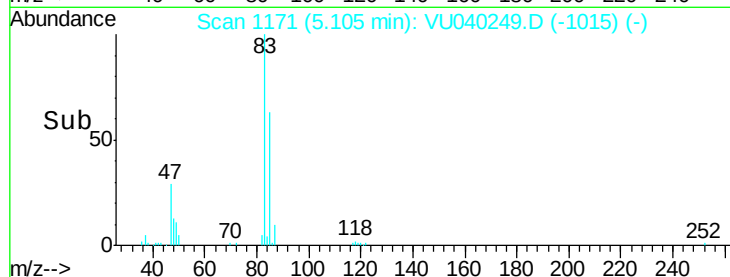
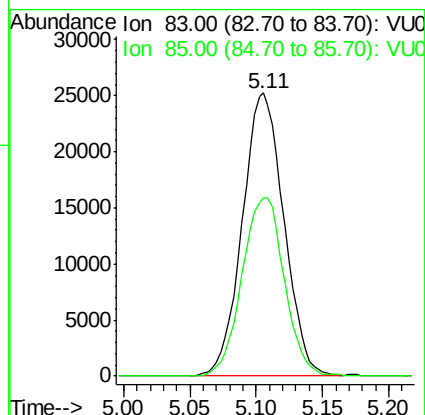
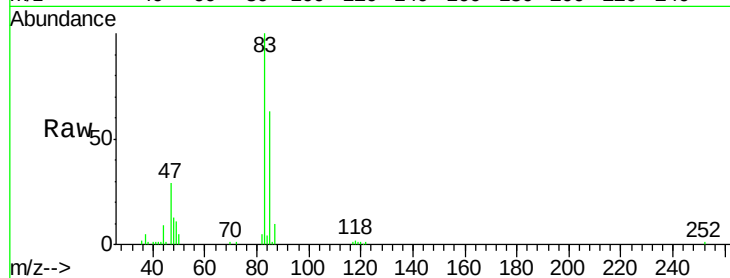
VU0922WBS01

Tot Ion: 83 Resp: 54917

Ion Ratio Lower Upper

83 100

85 63.2 0.0 132.4



#28

1,1,1-Trichloroethane

Concen: 2.004 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

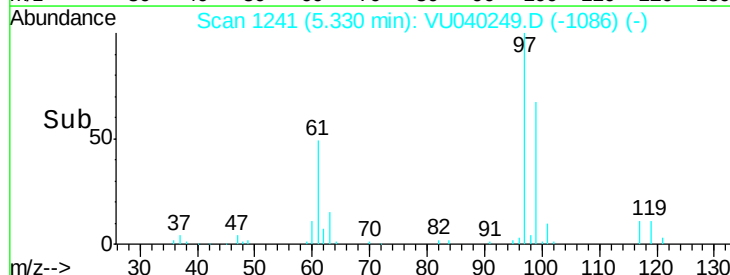
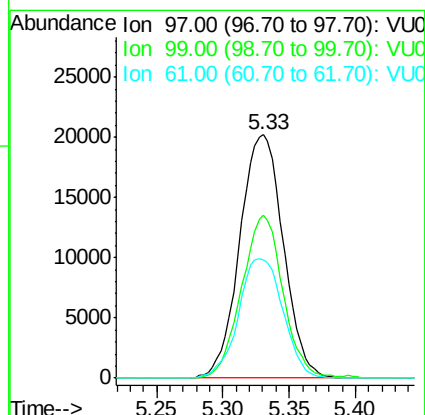
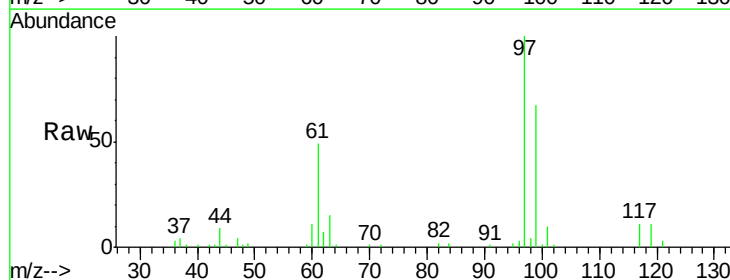
Tgt Ion: 97 Resp: 46263

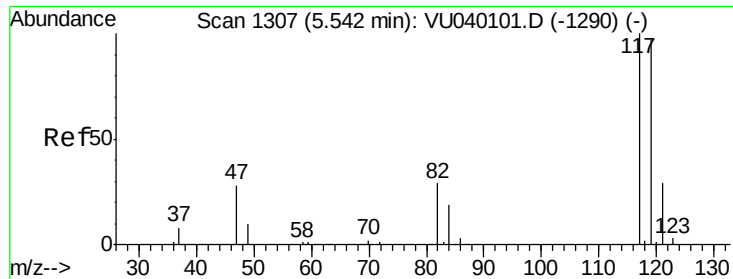
Ion Ratio Lower Upper

97 100

99 63.5 31.8 95.4

61 50.0 25.1 75.2

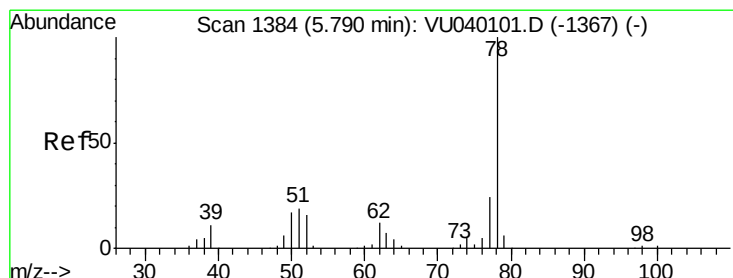
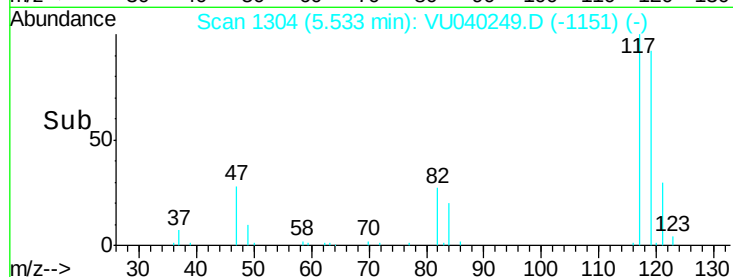
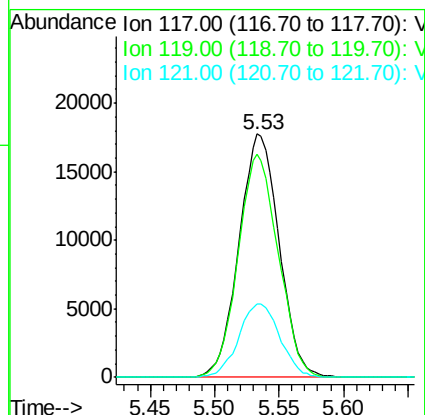
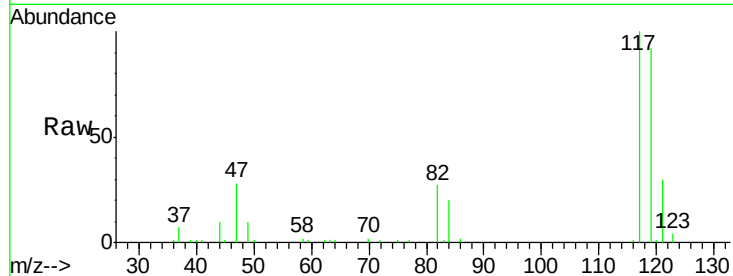




#30
Carbon Tetrachloride
Concen: 2.026 ug/l
RT: 5.53 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

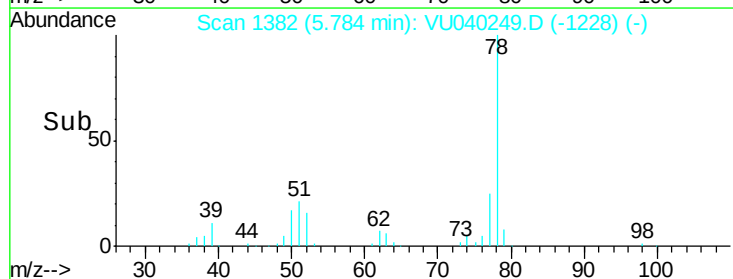
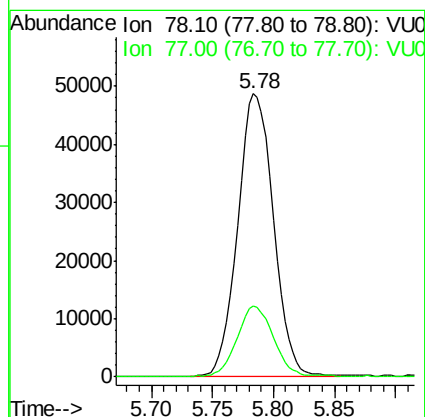
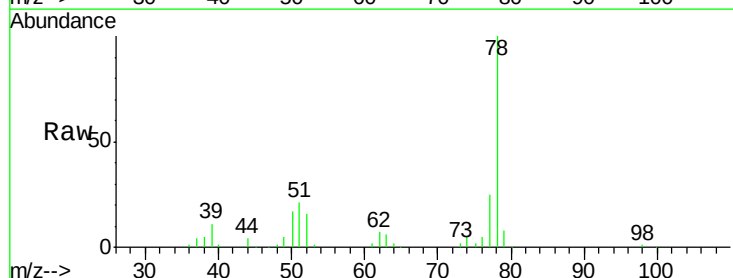
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

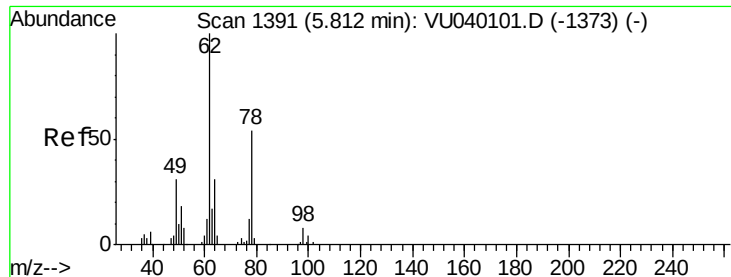
Tot Ion:117 Resp: 38413
Ion Ratio Lower Upper
117 100
119 91.7 77.0 115.4
121 29.9 24.2 36.4



#35
Benzene
Concen: 1.992 ug/l
RT: 5.78 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion: 78 Resp: 98153
Ion Ratio Lower Upper
78 100
77 25.2 19.1 28.7

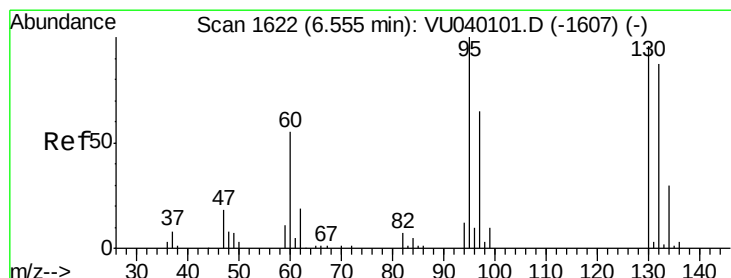
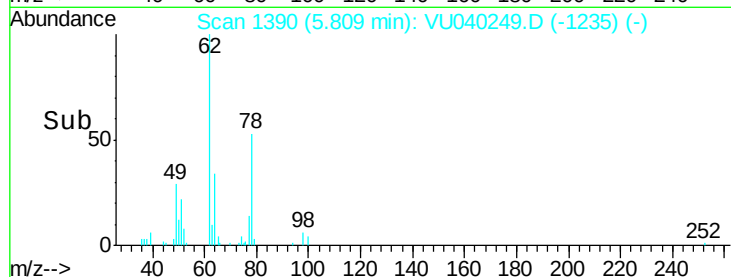
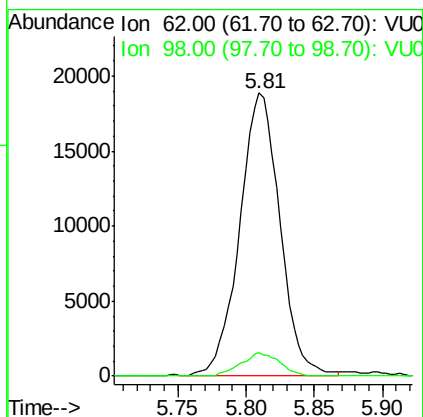
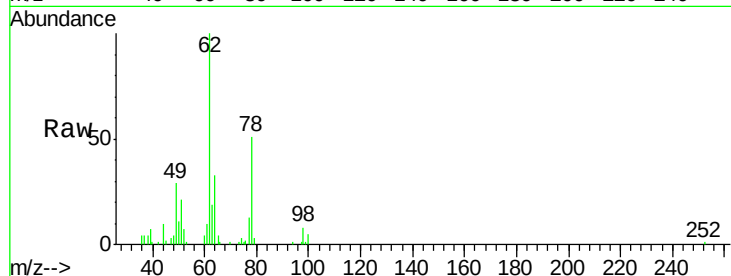




#36
1,2-Dichloroethane
Concen: 1.957 ug/l
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

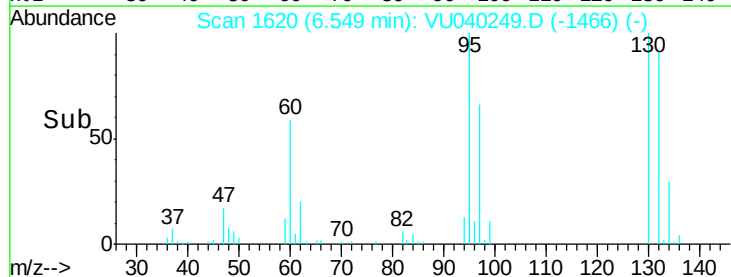
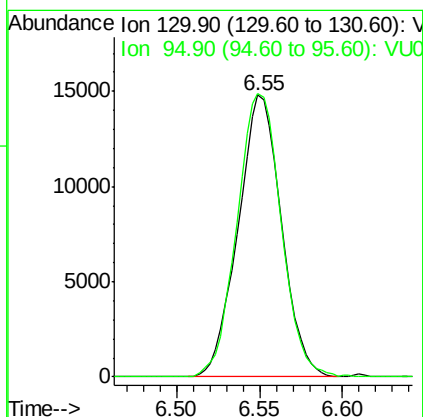
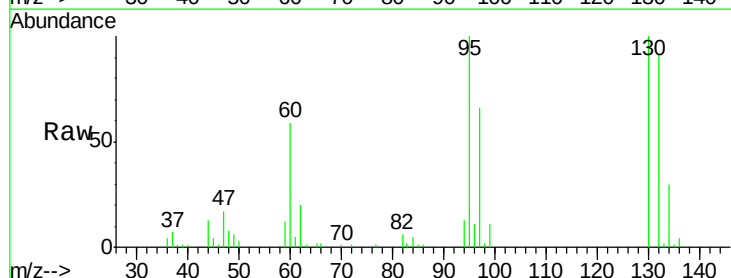
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

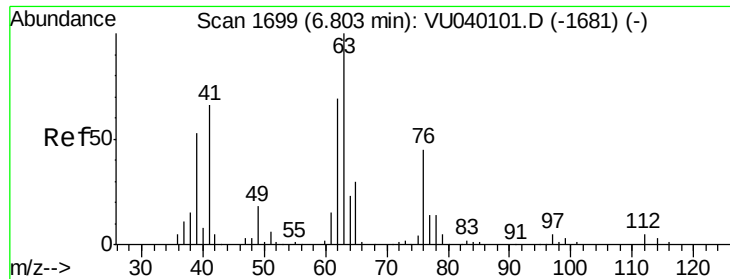
Tot Ion: 62 Resp: 38767
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7



#37
Trichloroethene
Concen: 2.124 ug/l
RT: 6.55 min Scan# 1620
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion:130 Resp: 26893
Ion Ratio Lower Upper
130 100
95 100.4 84.2 126.2

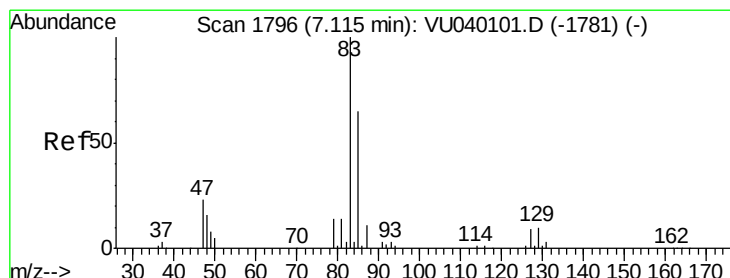
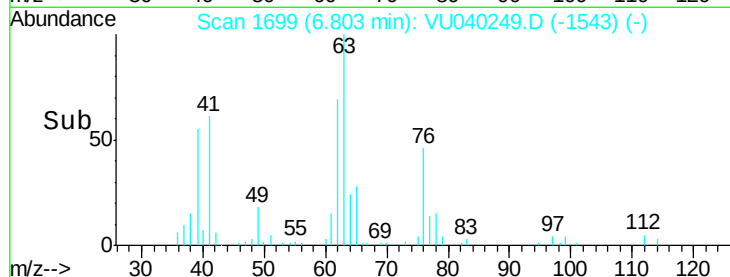
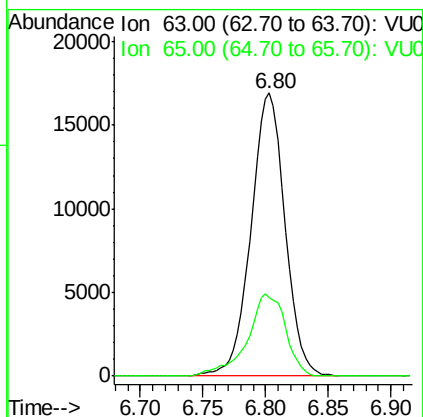
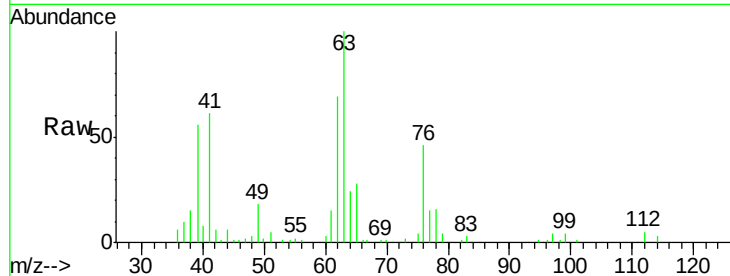




#38
 1,2-Dichloropropane
 Concen: 2.098 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

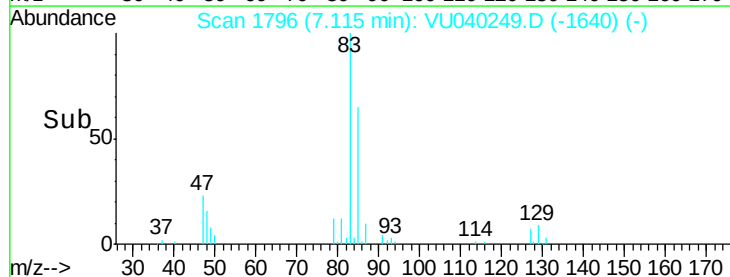
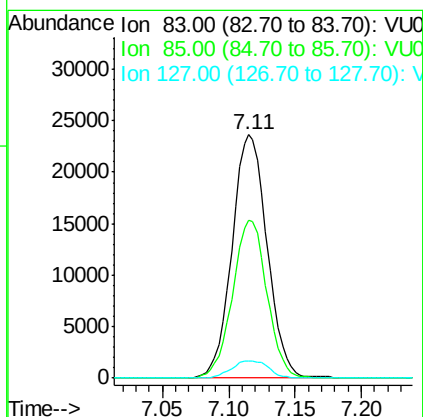
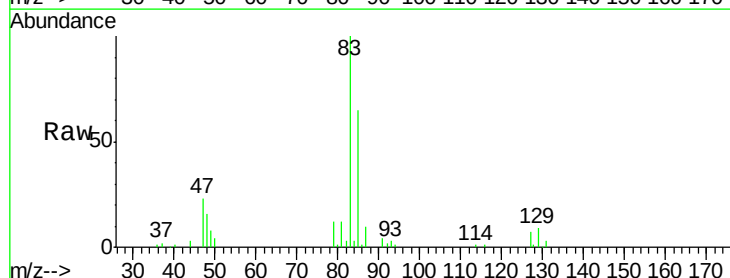
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

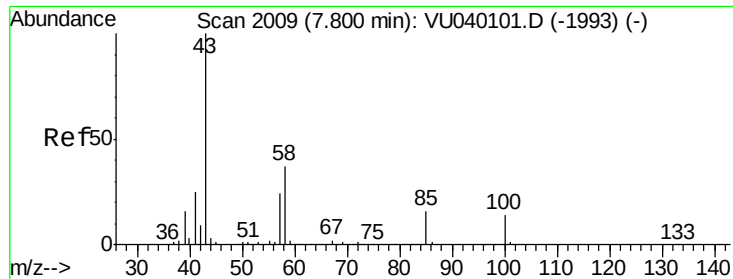
Tot Ion: 63 Resp: 31999
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.0 34.6



#44
 Bromodichloromethane
 Concen: 2.078 ug/l
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 83 Resp: 43305
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.1 78.1
 127 7.1 6.6 9.8

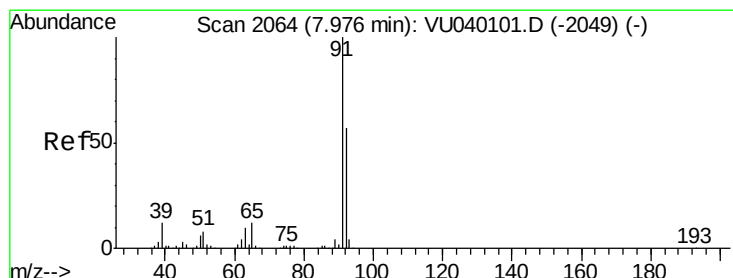
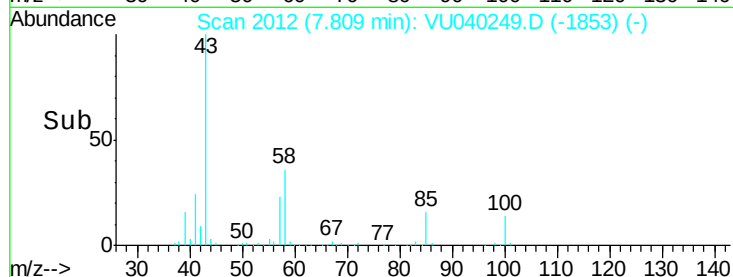
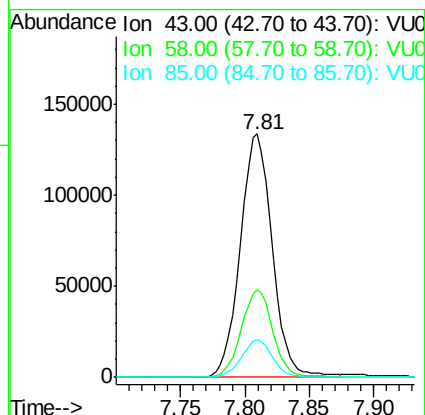
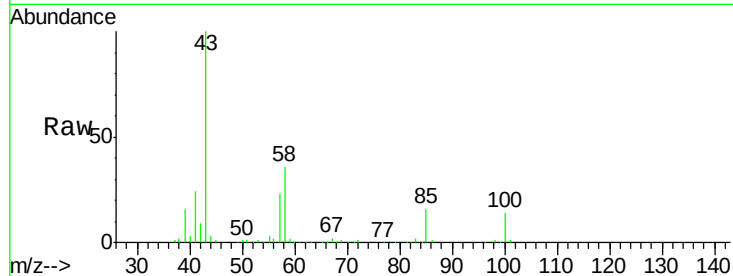




#45
 4-Methyl-2-Pentanone
 Concen: 9.307 ug/l
 RT: 7.81 min Scan# 2012
 Delta R.T. 0.01 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

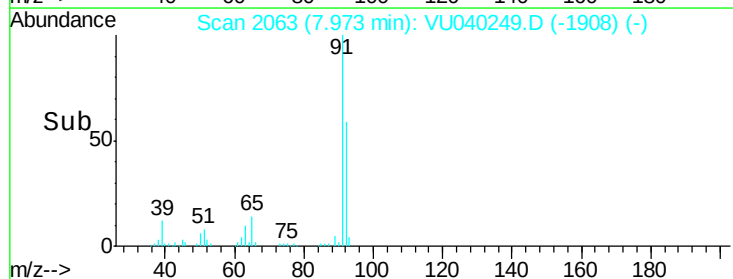
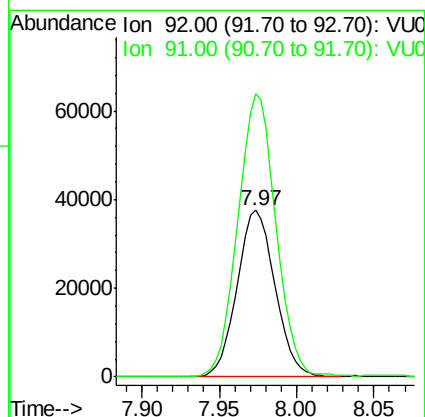
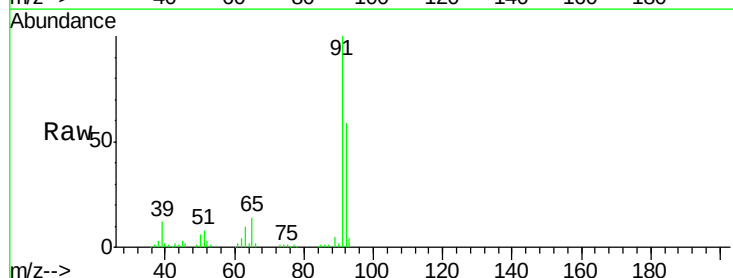
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

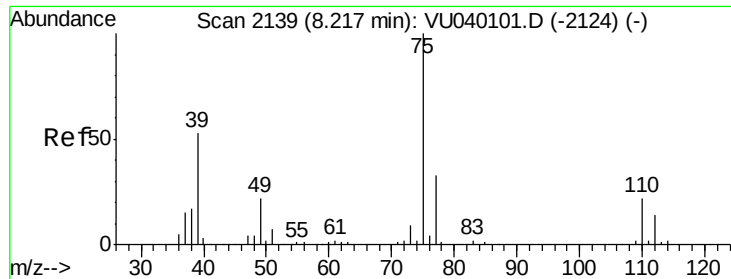
Tot Ion	43	Resp	231352
Ion Ratio	Lower	Upper	
43	100		
58	35.4	18.1	54.3
85	15.1	12.3	18.5



#49
 Toluene
 Concen: 2.050 ug/l
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion	92	Resp	64058
Ion Ratio	Lower	Upper	
92	100		
91	170.6	138.6	207.8

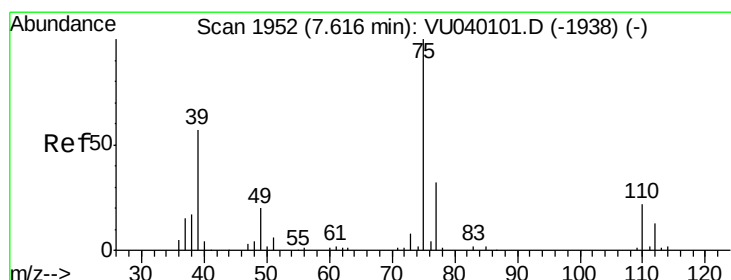
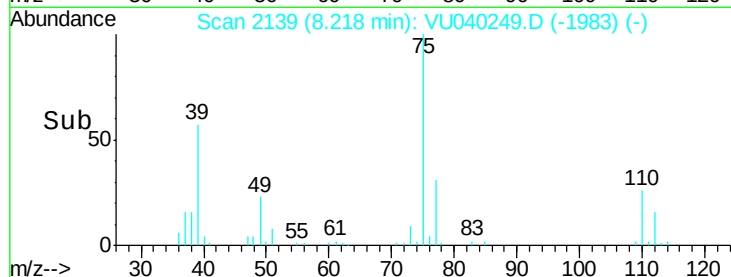
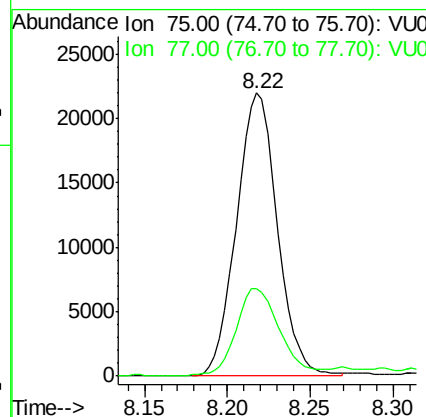
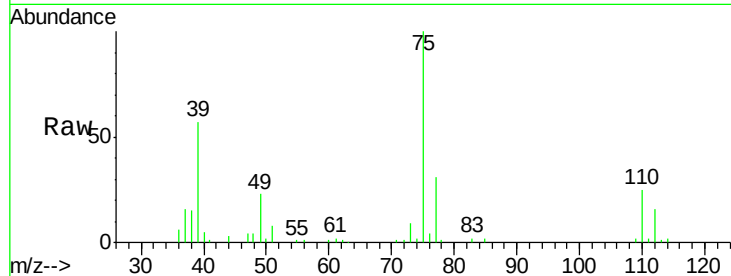




#50
 t-1,3-Dichloropropene
 Concen: 1.928 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

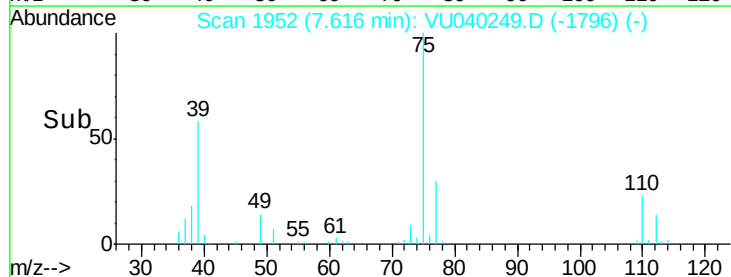
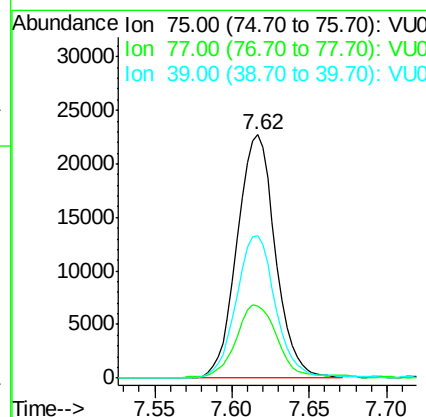
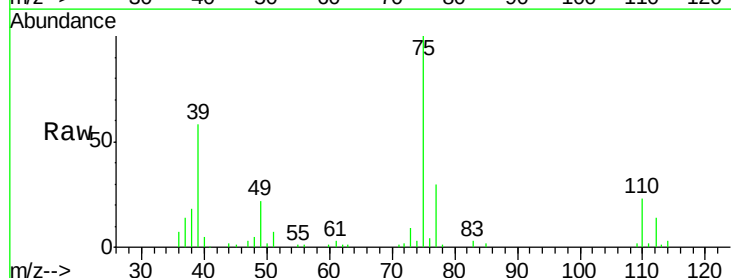
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

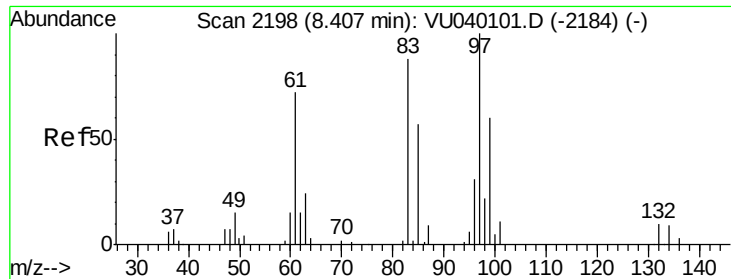
Tot Ion: 75 Resp: 37647
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.4 36.6



#51
 cis-1,3-Dichloropropene
 Concen: 1.945 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 75 Resp: 39076
 Ion Ratio Lower Upper
 75 100
 77 29.1 24.6 37.0
 39 58.4 46.2 69.4

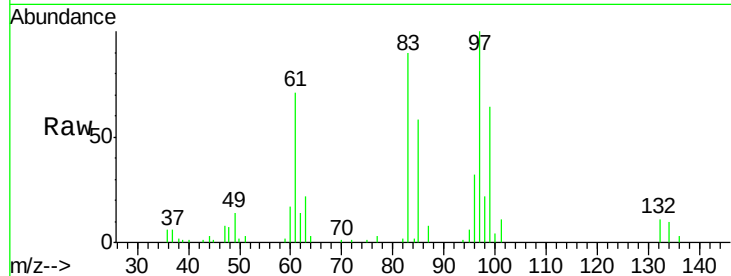




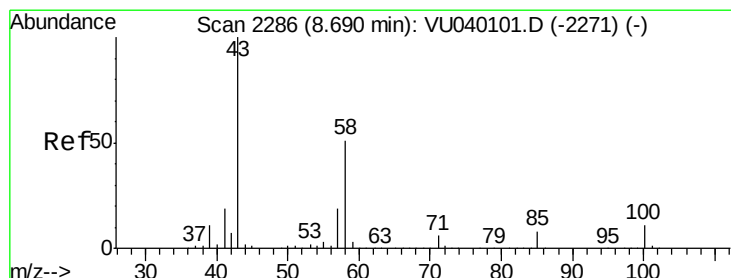
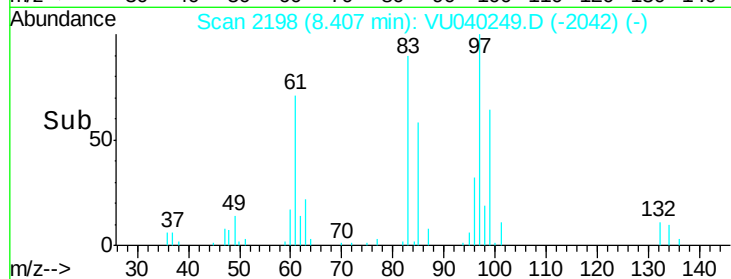
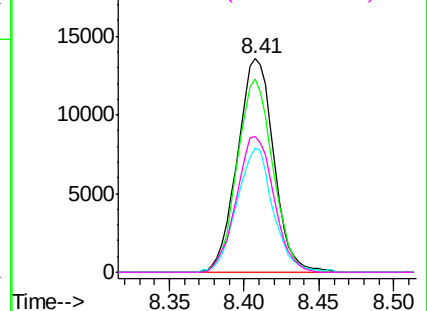
#52
 1,1,2-Trichloroethane
 Concen: 1.904 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion: 97 Resp: 23073
 Ion Ratio Lower Upper
 97 100
 83 90.2 68.7 103.1
 85 58.1 46.7 70.1
 99 63.7 48.6 72.8

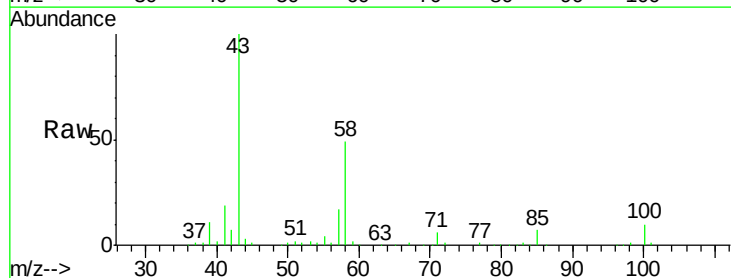


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

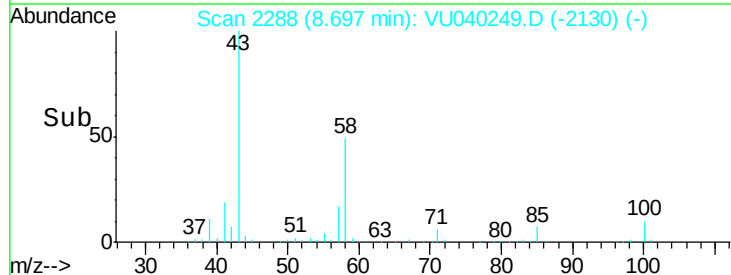
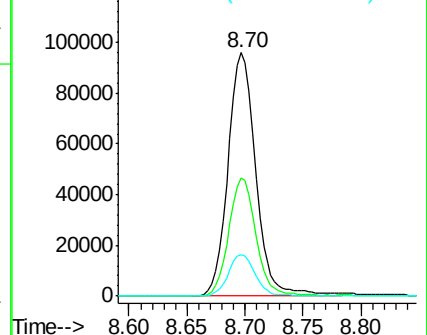


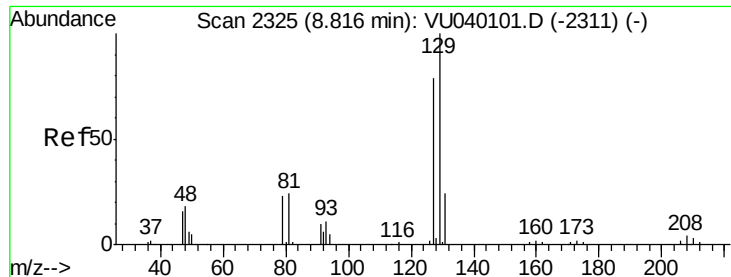
#54
 2-Hexanone
 Concen: 9.099 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.01 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 43 Resp: 159882
 Ion Ratio Lower Upper
 43 100
 58 47.8 29.6 69.6
 57 16.8 0.0 37.8



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





#55

Dibromochloromethane

Concen: 1.946 ug/l

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

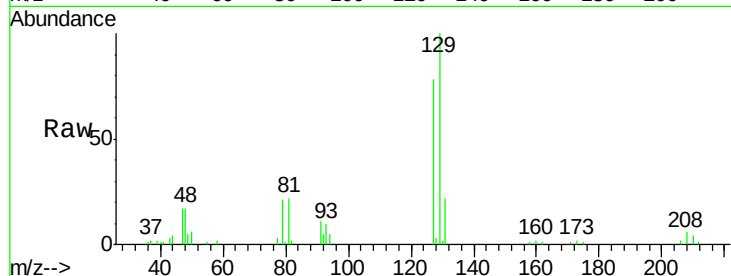
VU0922WBS01

Tot Ion:129 Resp: 27271

Ion Ratio Lower Upper

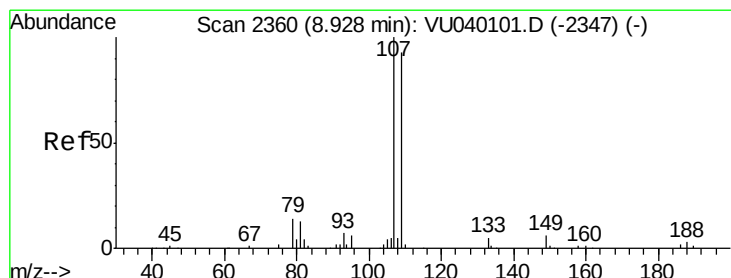
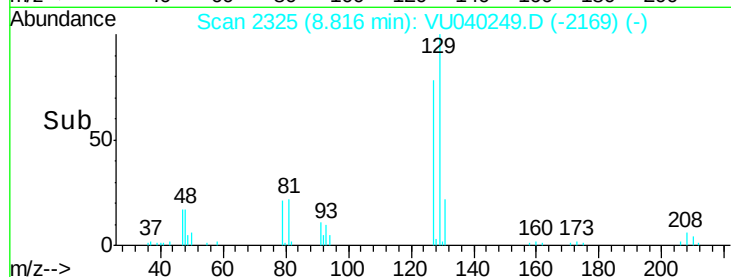
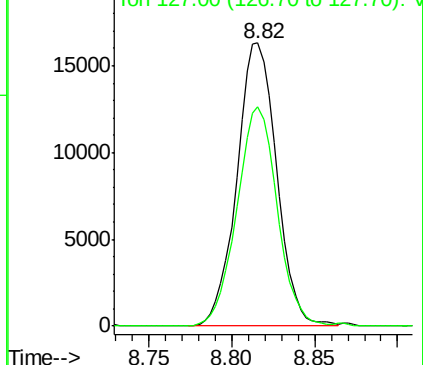
129 100

127 78.3 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: 1.963 ug/l

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040249.D

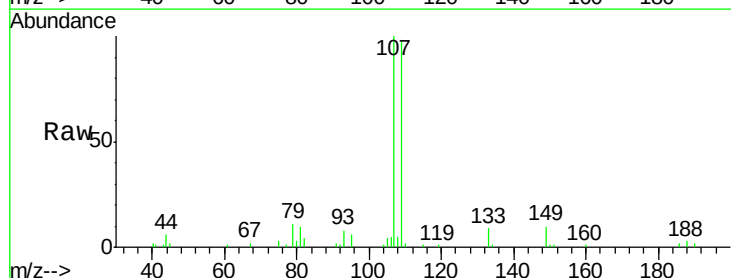
Acq: 22 Sep 2020 16:04

Tgt Ion:107 Resp: 21857

Ion Ratio Lower Upper

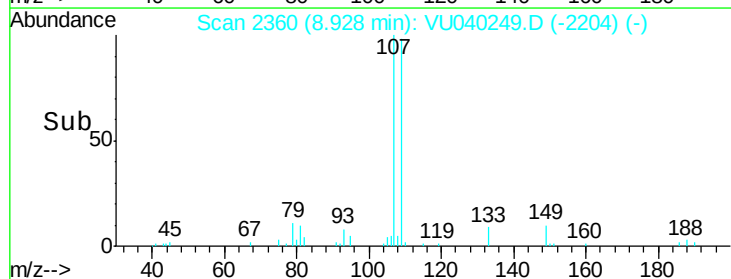
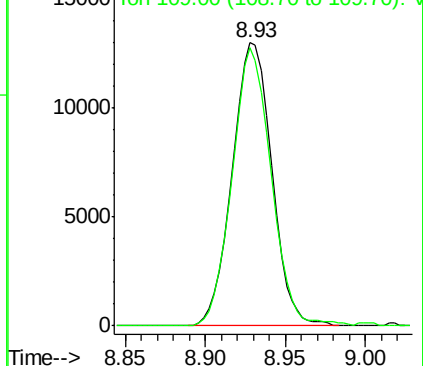
107 100

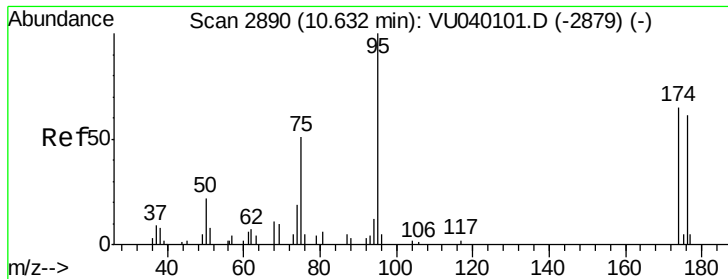
109 97.2 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.943 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

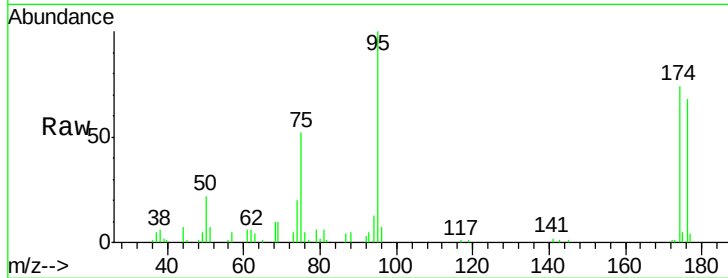
Tot Ion: 95 Resp: 19335

Ion Ratio Lower Upper

95 100

174 73.1 49.4 74.0

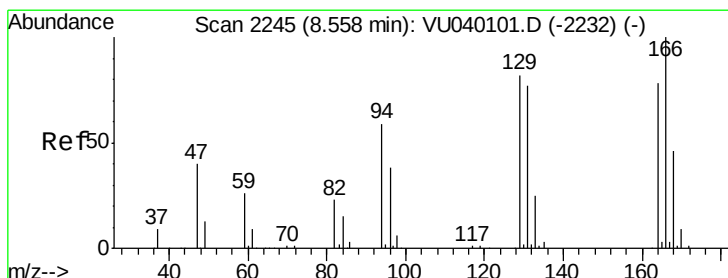
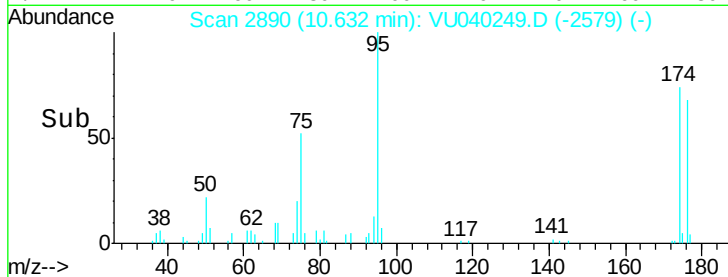
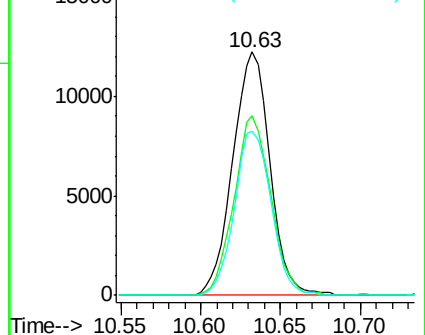
176 66.4 50.1 75.1



Abundance Ion 95.00 (94.70 to 95.70): VU040249.D (-2579) (-)

Ion 174.00 (173.70 to 174.70): VU040249.D (-2579) (-)

Ion 176.00 (175.70 to 176.70): VU040249.D (-2579) (-)



#58

Tetrachloroethene

Concen: 2.179 ug/l

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Tgt Ion: 164 Resp: 20507

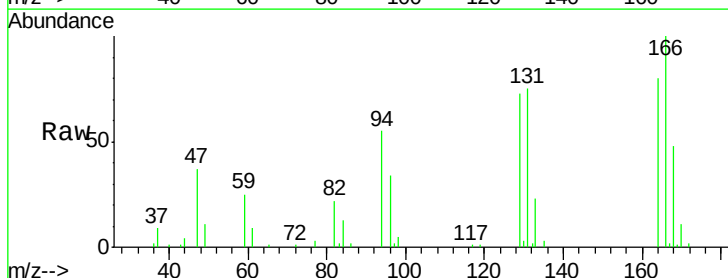
Ion Ratio Lower Upper

164 100

166 125.3 101.3 151.9

129 90.8 84.8 127.2

131 93.9 81.8 122.6

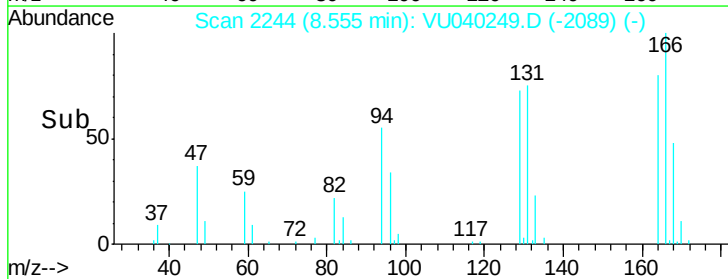
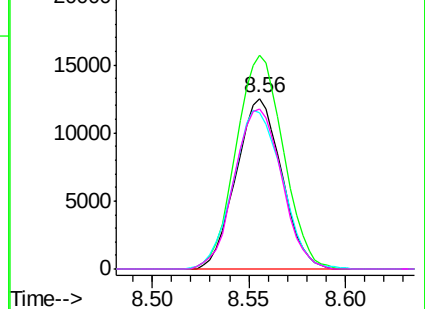


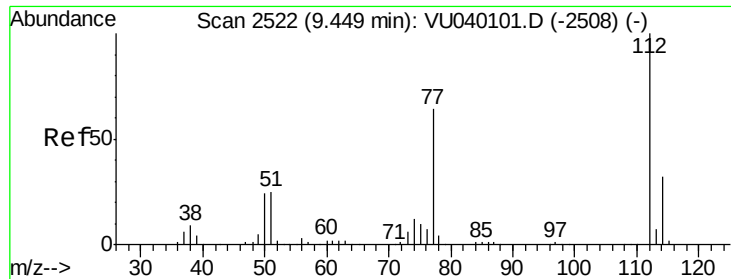
Abundance Ion 163.85 (163.55 to 164.55): VU040249.D (-2089) (-)

Ion 165.80 (165.50 to 166.50): VU040249.D (-2089) (-)

Ion 128.90 (128.60 to 129.60): VU040249.D (-2089) (-)

Ion 130.90 (130.60 to 131.60): VU040249.D (-2089) (-)





#59

Chlorobenzene

Concen: 1.980 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

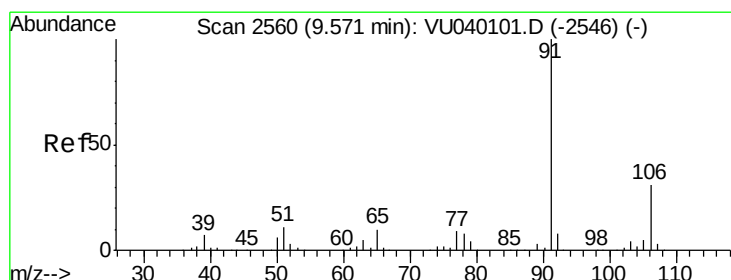
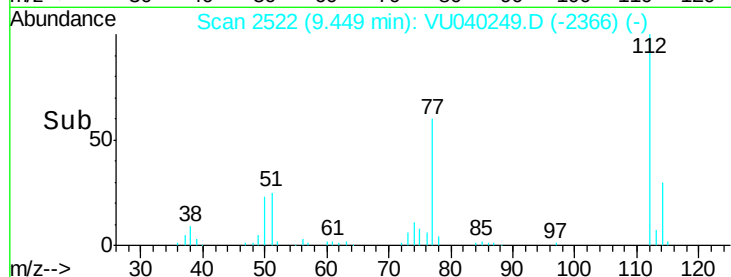
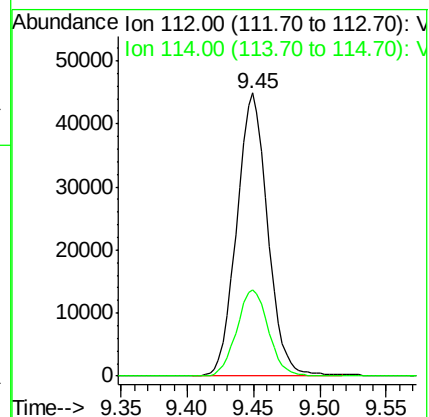
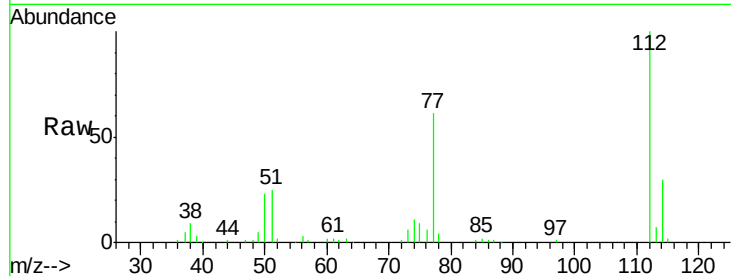
VU0922WBS01

Tot Ion:112 Resp: 72771

Ion Ratio Lower Upper

112 100

114 30.4 24.8 37.2



#63

Ethyl Benzene

Concen: 1.842 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040249.D

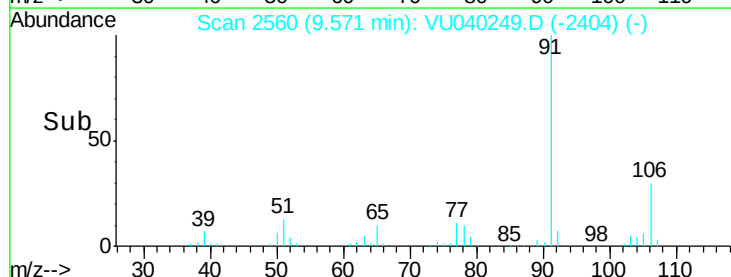
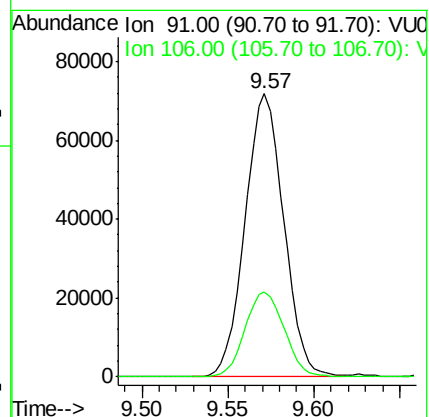
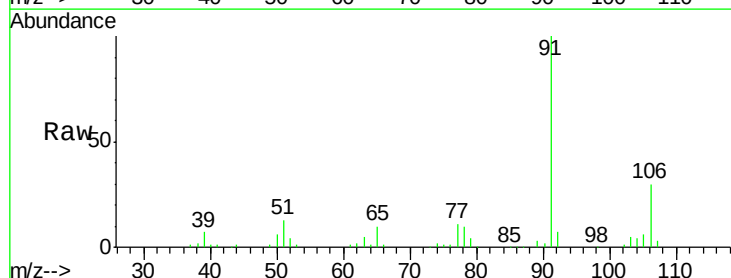
Acq: 22 Sep 2020 16:04

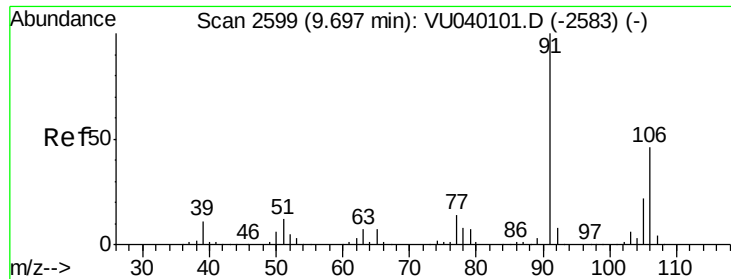
Tgt Ion: 91 Resp: 112428

Ion Ratio Lower Upper

91 100

106 29.9 23.8 35.8





#64

m/p-Xylenes

Concen: 3.851 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

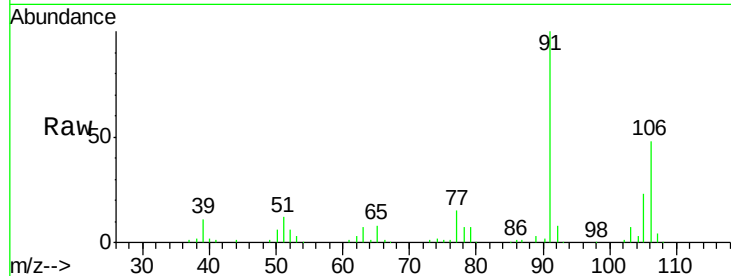
VU0922WBS01

Tot Ion:106 Resp: 44631

Ion Ratio Lower Upper

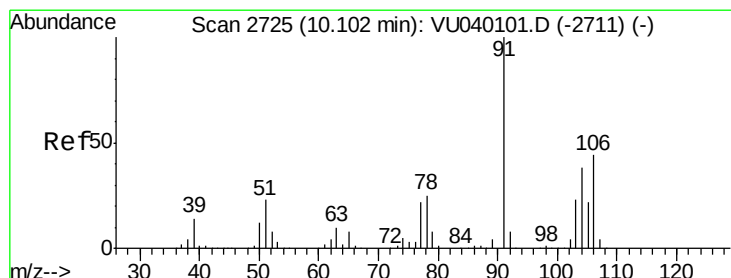
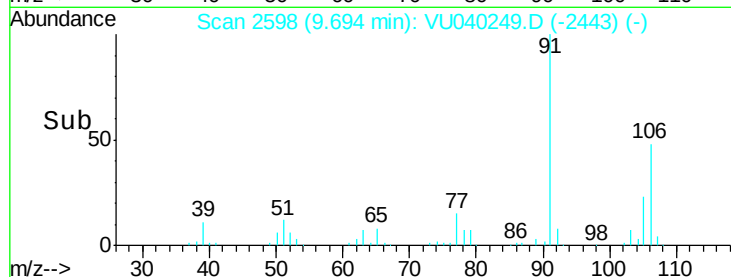
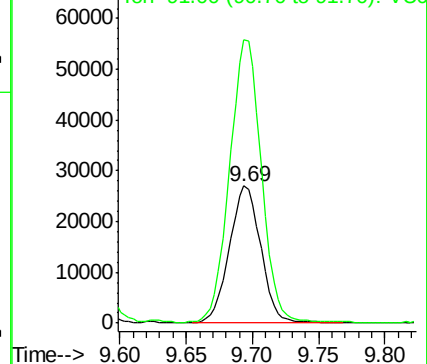
106 100

91 206.2 171.4 257.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 1.904 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040249.D

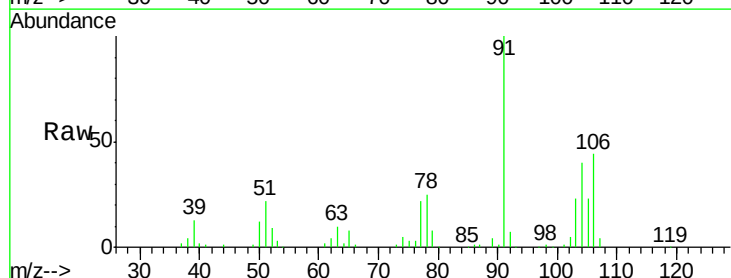
Acq: 22 Sep 2020 16:04

Tgt Ion:106 Resp: 42345

Ion Ratio Lower Upper

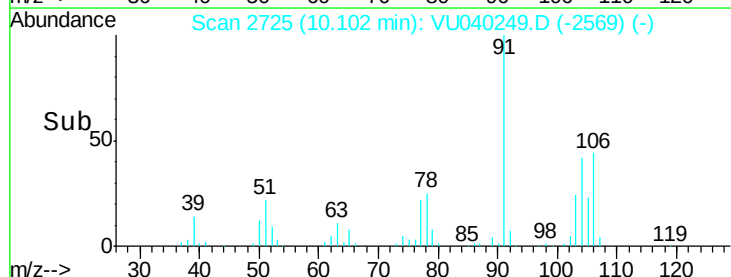
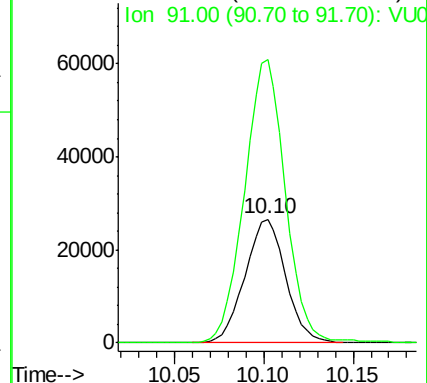
106 100

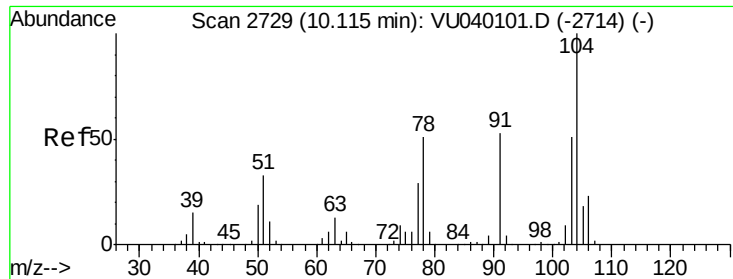
91 229.8 114.2 342.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

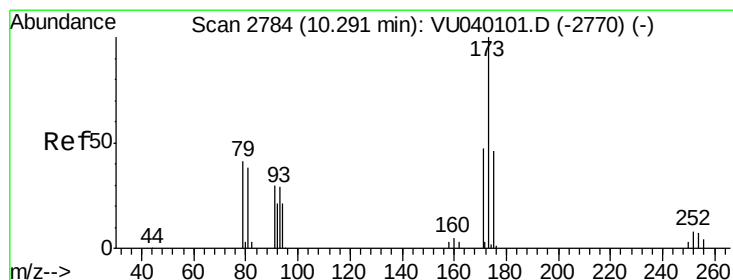
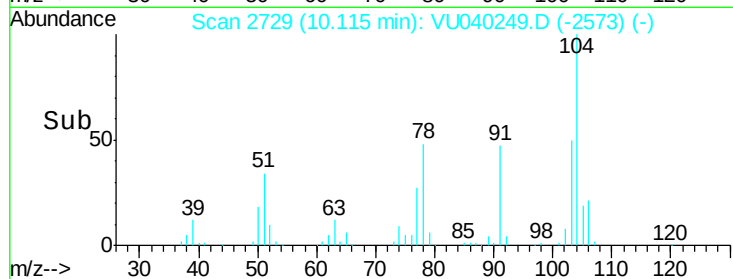
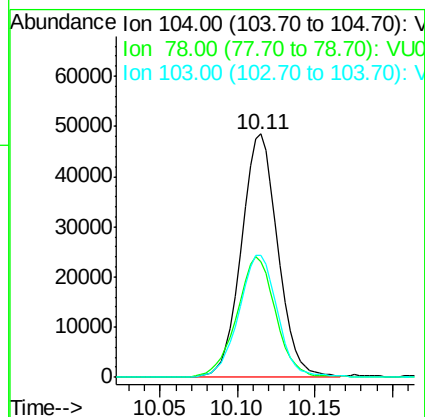
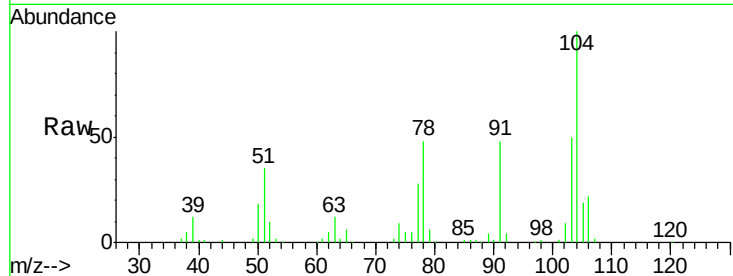




#66
Stvrene
Concen: 2.005 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

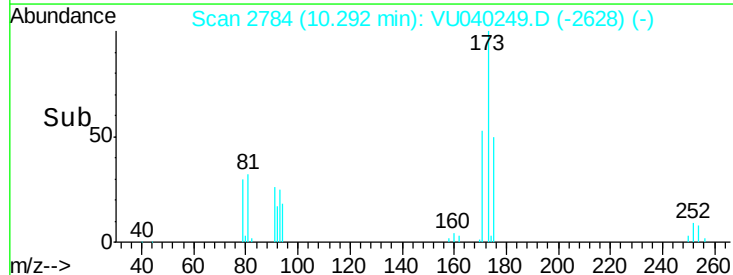
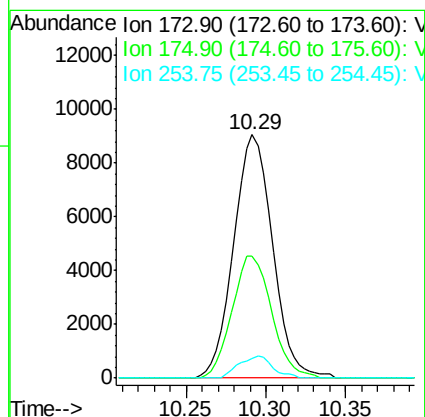
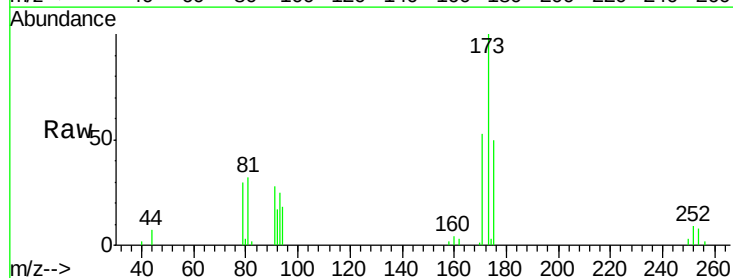
Instrument :
MSVOA_U
ClientSampleId :
VU0922WBS01

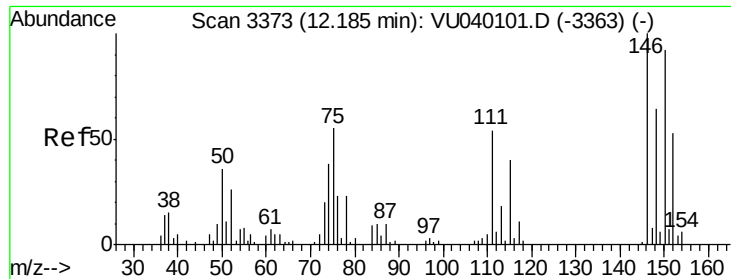
Tot Ion:104 Resp: 79584
Ion Ratio Lower Upper
104 100
78 52.5 43.9 65.9
103 53.3 43.7 65.5



#67
Bromoform
Concen: 2.048 ug/l
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion:173 Resp: 15025
Ion Ratio Lower Upper
173 100
175 50.9 38.0 57.0
254 7.8 5.8 8.8

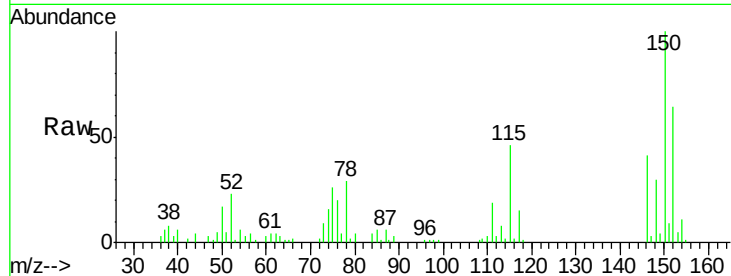




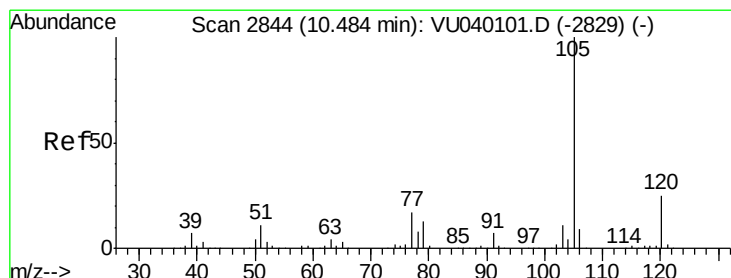
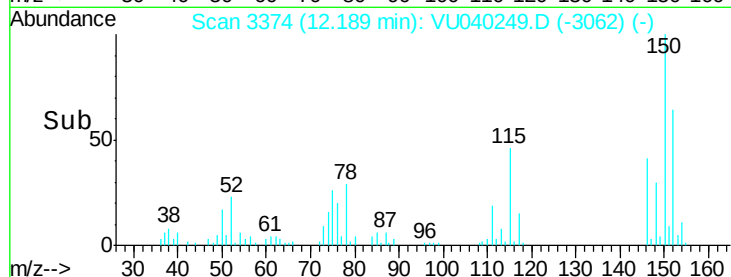
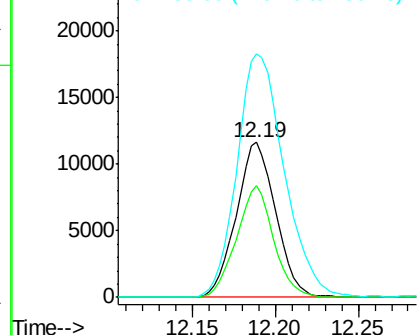
#68
 1,2-Dichlorobenzene-d4
 Concen: 1.045 ug/l
 RT: 12.19 min Scan# 3374
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

Tot Ion:152 Resp: 19241
 Ion Ratio Lower Upper
 152 100
 115 67.2 0.0 309.0
 150 188.2 0.0 658.2

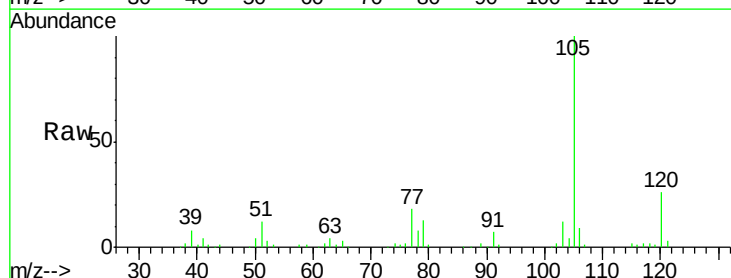


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V

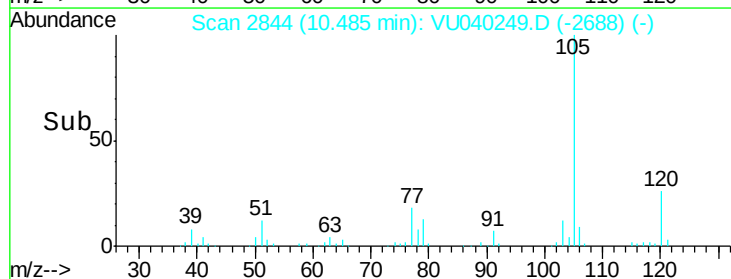
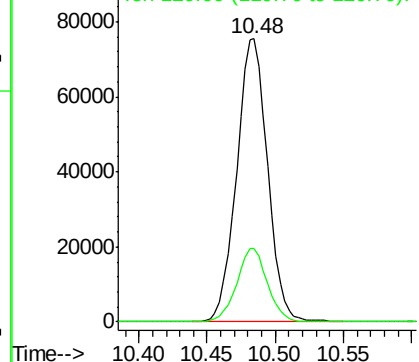


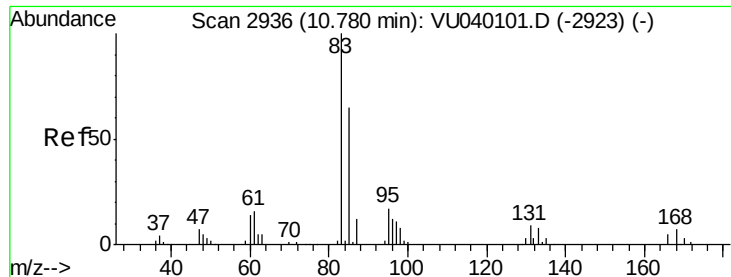
#69
 Isopropylbenzene
 Concen: 1.925 ug/l
 RT: 10.48 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion:105 Resp: 118624
 Ion Ratio Lower Upper
 105 100
 120 25.6 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: 1.851 ug/l

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

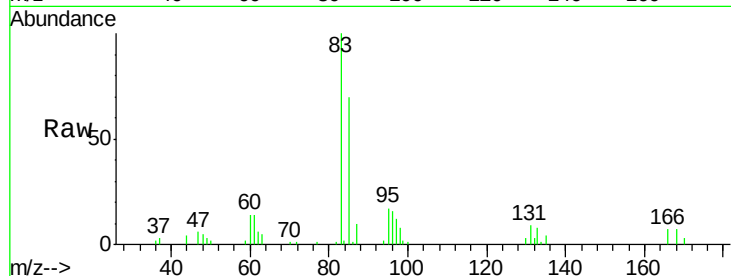
Tot Ion: 83 Resp: 29198

Ion Ratio Lower Upper

83 100

131 9.1 7.5 11.3

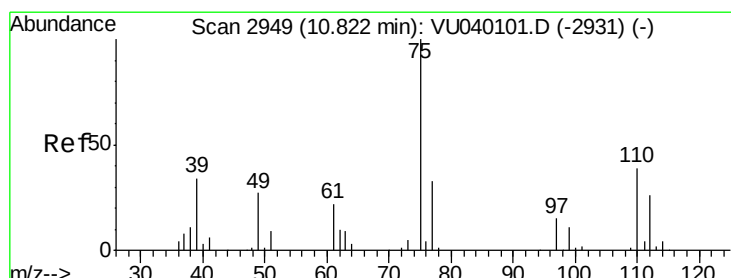
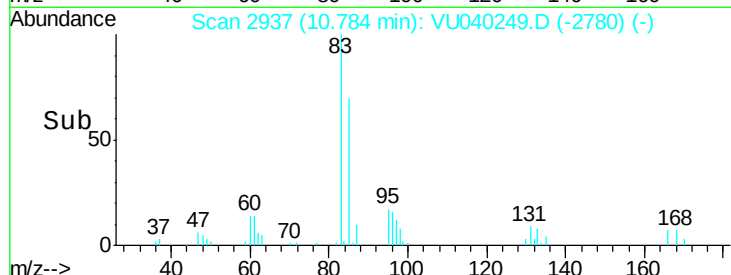
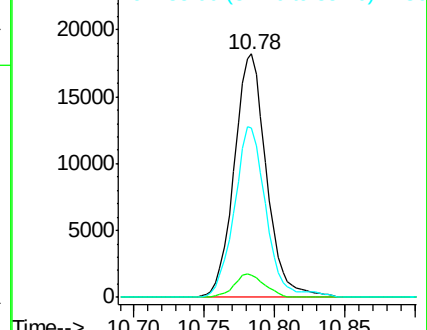
85 69.0 49.7 74.5



Abundance Ion 83.00 (82.70 to 83.70): VU040249.D (-2780) (-)

Ion 131.00 (130.70 to 131.70): VU040249.D (-2780) (-)

Ion 85.00 (84.70 to 85.70): VU040249.D (-2780) (-)



#71

1,2,3-Trichloropropane

Concen: 1.867 ug/l

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Tgt Ion: 75 Resp: 22519

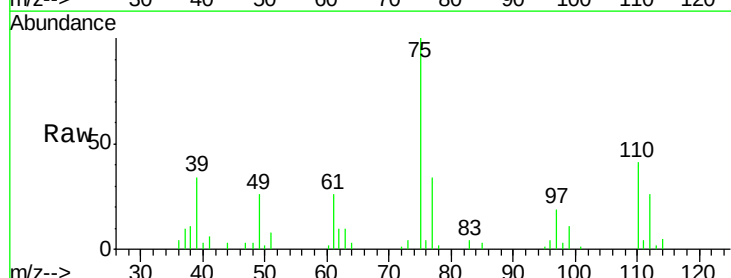
Ion Ratio Lower Upper

75 100

77 35.5 0.0 111.4

110 39.5 0.0 70.8

97 17.6 0.0 36.0

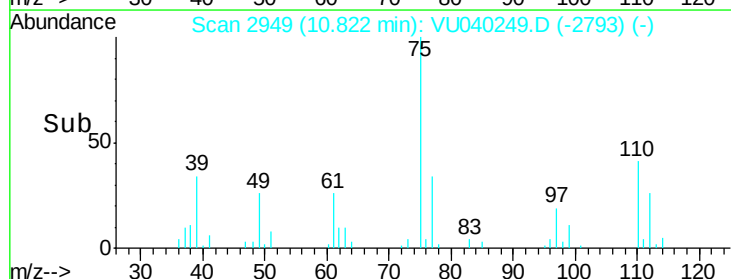
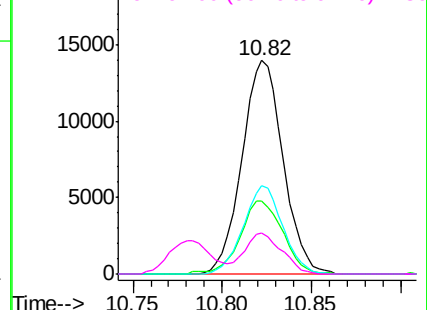


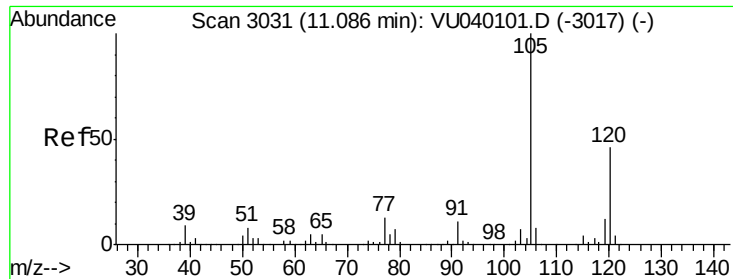
Abundance Ion 75.00 (74.70 to 75.70): VU040249.D (-2793) (-)

Ion 77.00 (76.70 to 77.70): VU040249.D (-2793) (-)

Ion 110.00 (109.70 to 110.70): VU040249.D (-2793) (-)

Ion 97.00 (96.70 to 97.70): VU040249.D (-2793) (-)





#75

1,3,5-Trimethylbenzene

Concen: 1.825 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

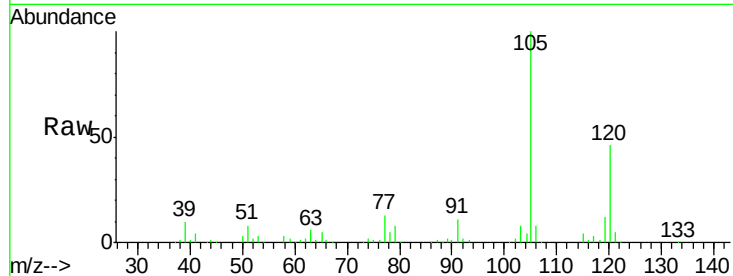
VU0922WBS01

Tot Ion:105 Resp: 98014

Ion Ratio Lower Upper

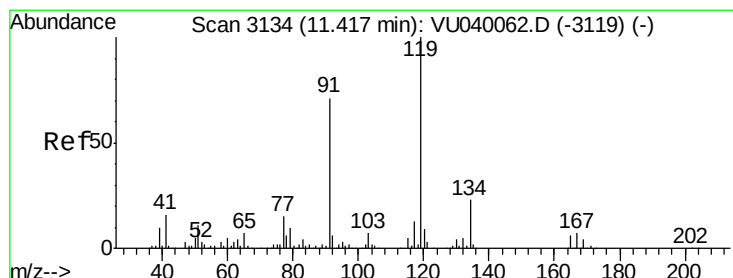
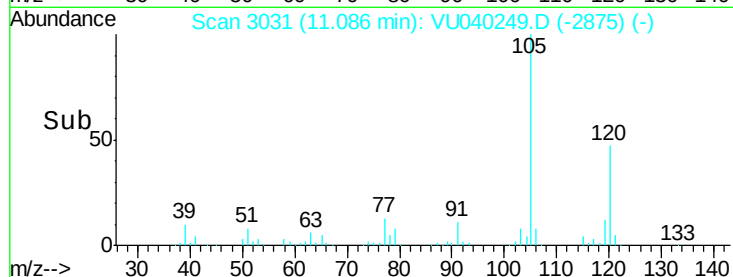
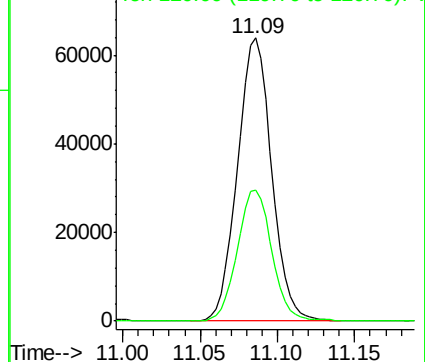
105 100

120 46.7 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: 1.946 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. 0.05 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

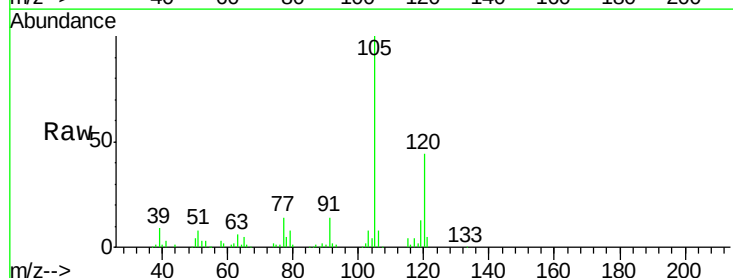
Tgt Ion:119 Resp: 12534

Ion Ratio Lower Upper

119 100

91 104.1 34.2 102.5#

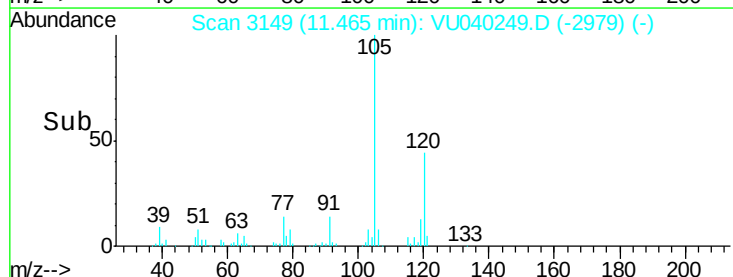
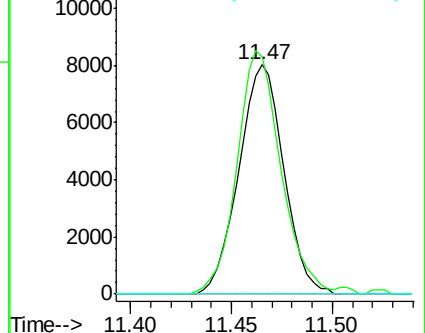
134 0.0 18.2 27.4#

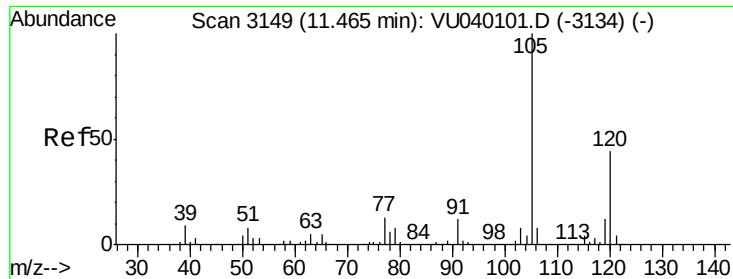


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V

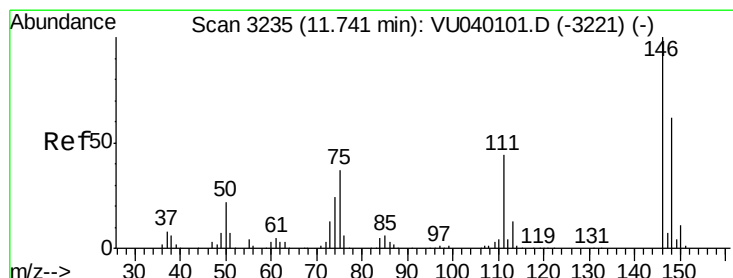
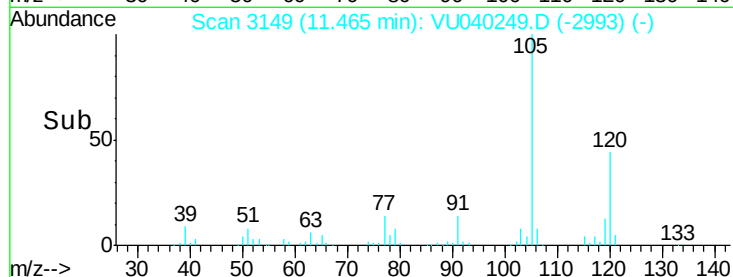
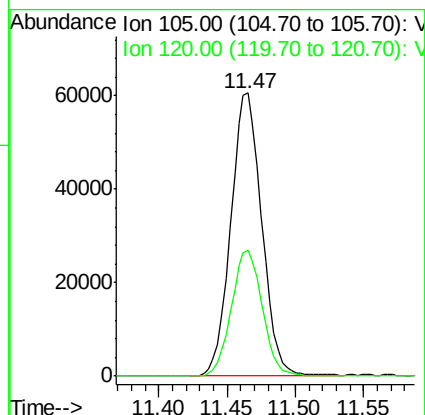
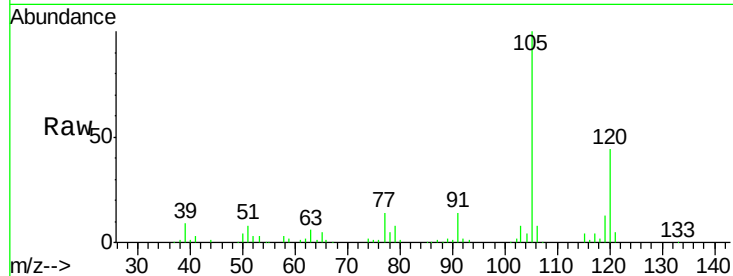




#78
 1,2,4-Trimethylbenzene
 Concen: 1.790 ug/l
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

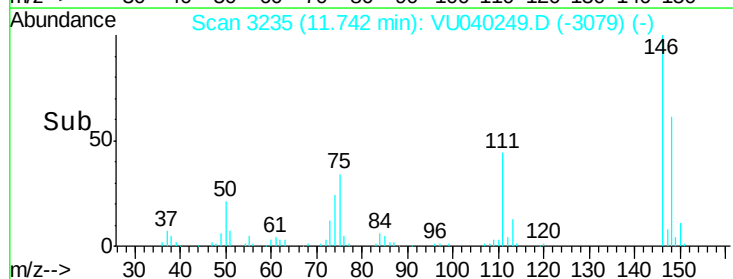
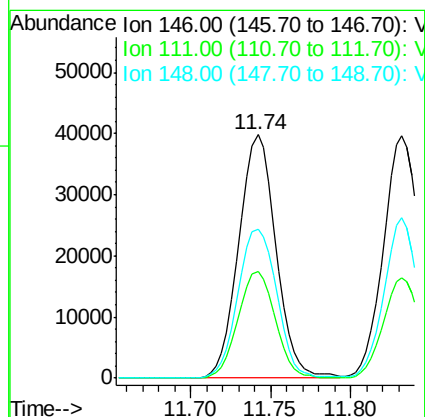
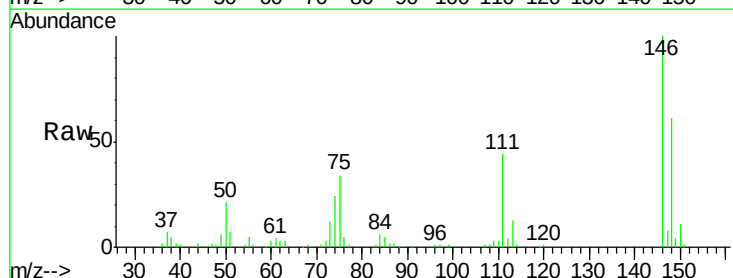
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

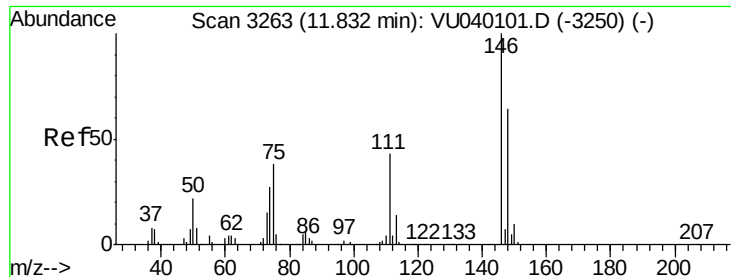
Tot Ion:105 Resp: 95594
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.5



#82
 1,3-Dichlorobenzene
 Concen: 2.034 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion:146 Resp: 63169
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.4 53.0
 148 63.9 49.7 74.5

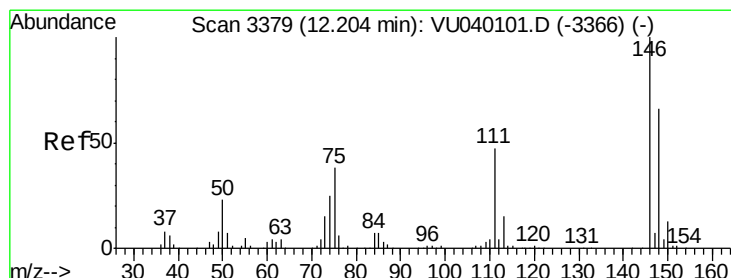
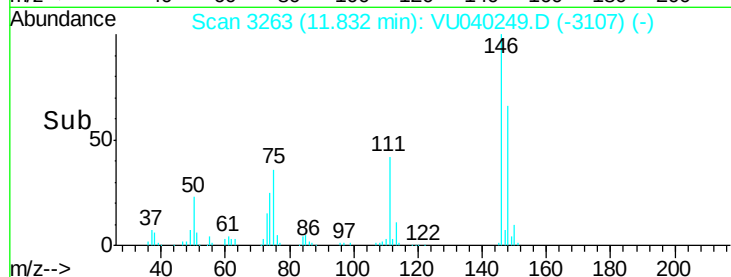
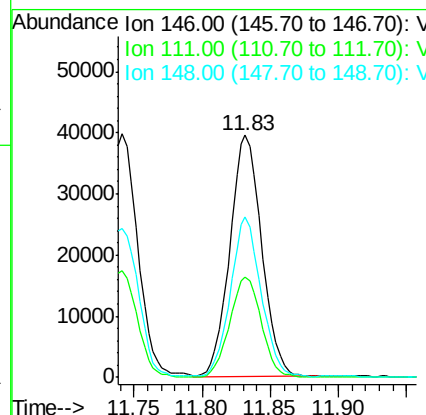
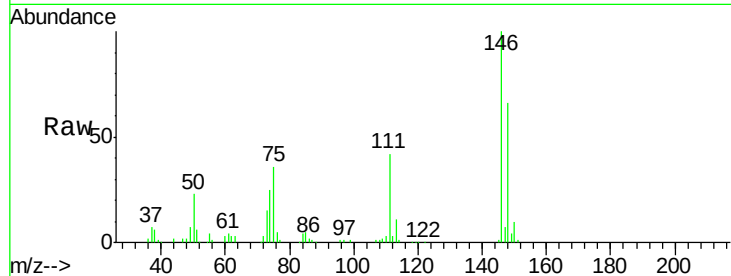




#83
 1,4-Dichlorobenzene
 Concen: 2.112 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

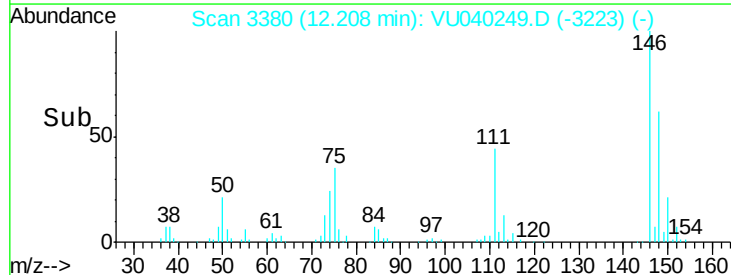
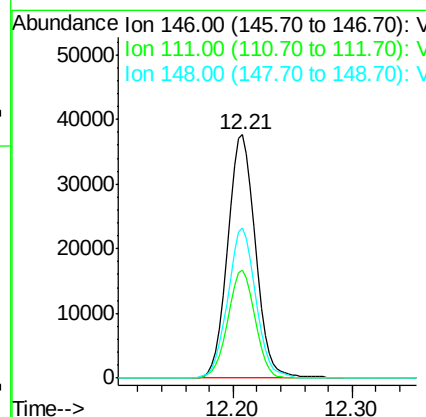
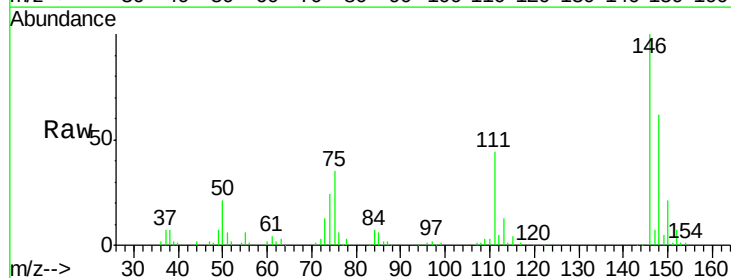
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

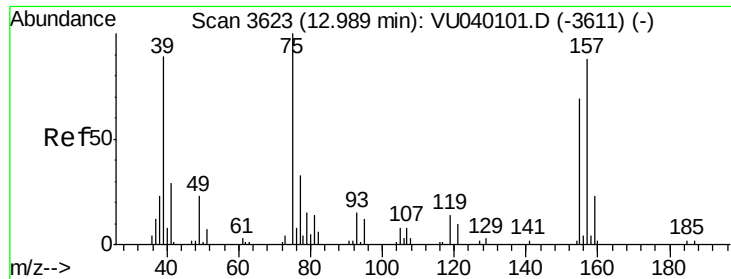
Tot Ion:146 Resp: 64125
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.2 51.2
 148 63.3 50.2 75.2



#85
 1,2-Dichlorobenzene
 Concen: 2.109 ug/l
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion:146 Resp: 61043
 Ion Ratio Lower Upper
 146 100
 111 43.1 22.9 68.7
 148 61.7 31.1 93.2

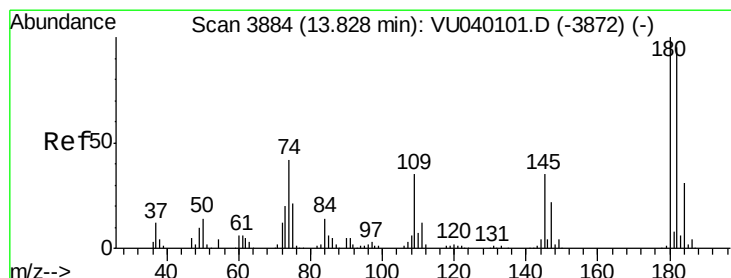
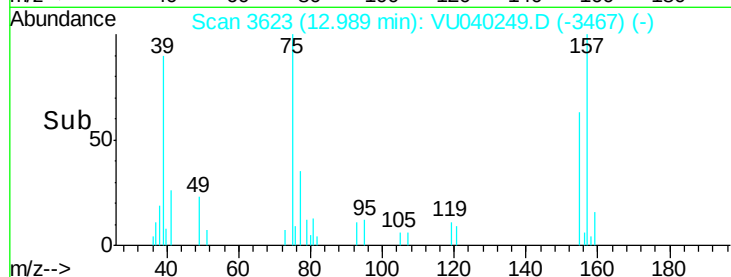
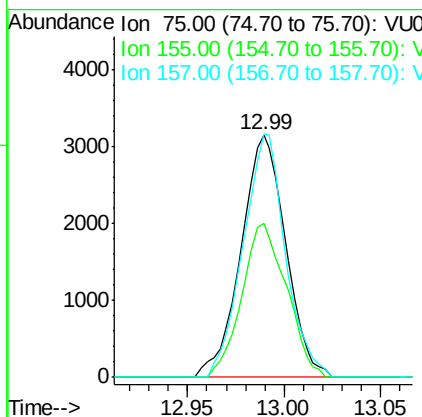
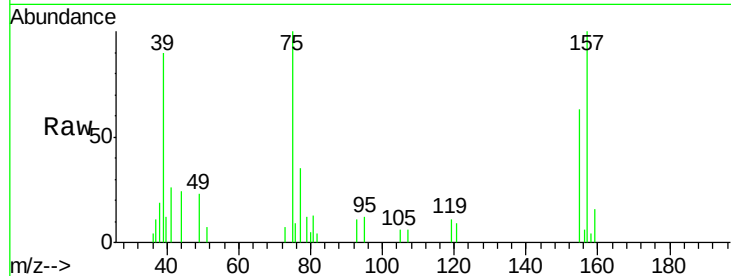




#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.890 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

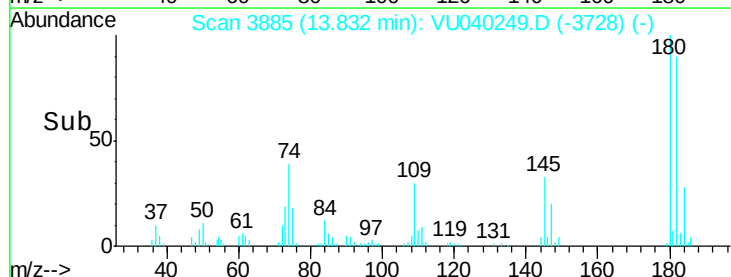
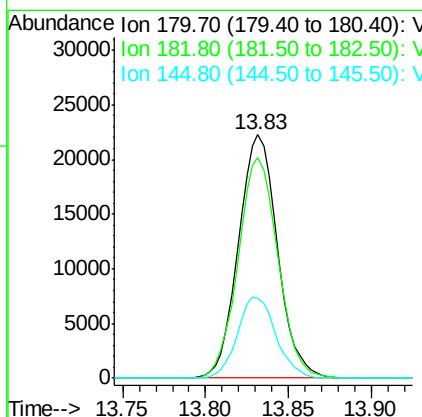
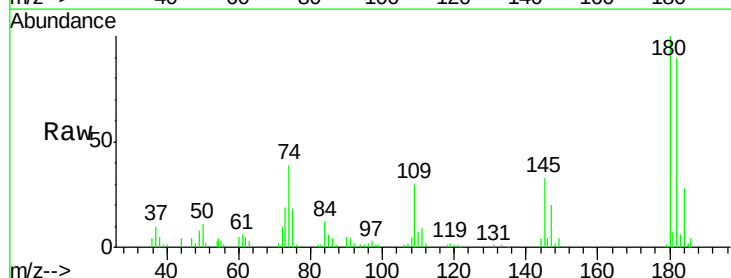
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBS01

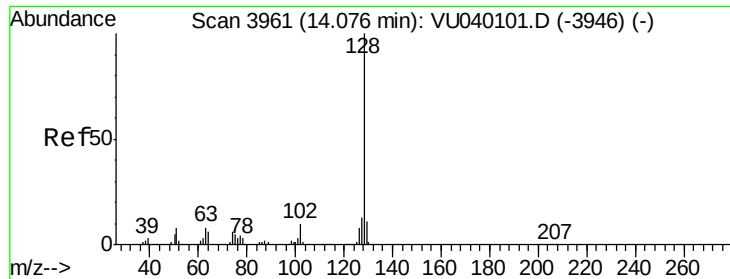
Tot Ion: 75 Resp: 5075
 Ion Ratio Lower Upper
 75 100
 155 63.2 53.4 80.0
 157 95.1 65.8 98.8



#87
 1,2,4-Trichlorobenzene
 Concen: 2.195 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 180 Resp: 36506
 Ion Ratio Lower Upper
 180 100
 182 92.3 75.0 112.4
 145 32.7 27.7 41.5





#89

Naphthalene

Concen: 1.708 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBS01

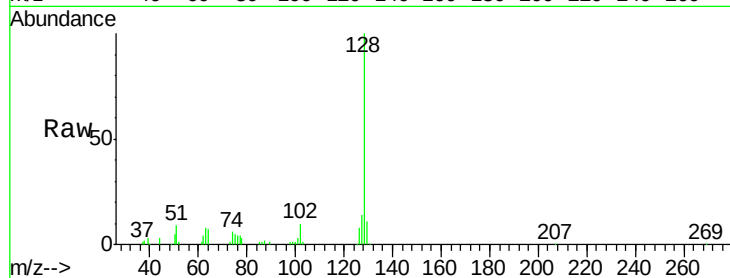
Tot Ion:128 Resp: 52443

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

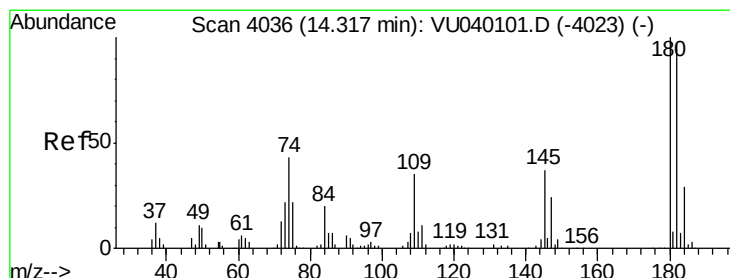
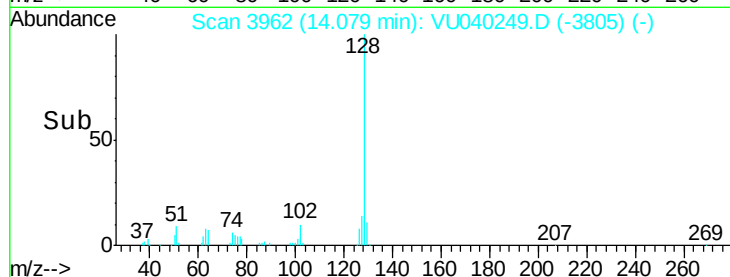
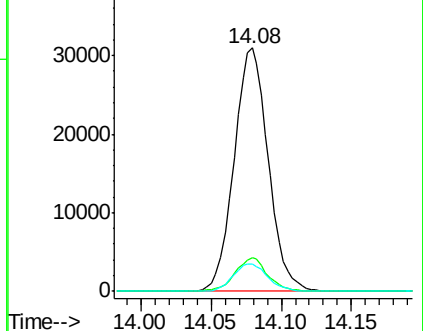
129 11.5 8.3 12.5



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: 2.097 ug/l

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

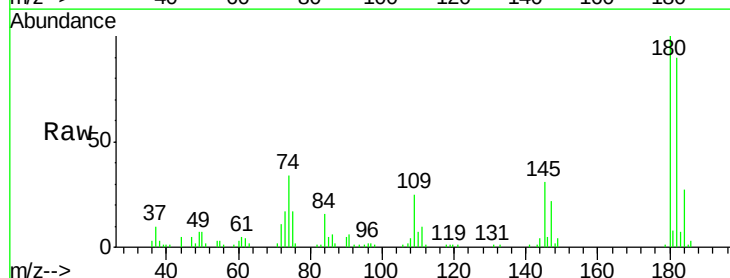
Tgt Ion:180 Resp: 33136

Ion Ratio Lower Upper

180 100

182 92.7 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

