

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_V
 ClientSampleId :
 VU0922WBS01

Quant Time: Sep 23 08:04:59 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	ug/l	100
3) Chloromethane	1.53	50	41729	2.390	ug/l	100
4) Vinyl Chloride	1.61	62	40142	2.036	ug/l	100
5) Bromomethane	1.86	94	20680	3.347	ug/l	93
6) Chloroethane	1.94	64	25787	2.284	ug/l	97
7) Trichlorofluoromethane	2.15	101	55809	2.006	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23155	1.863	ug/l	98
9) 1,1-Dichloroethene	2.59	96	17929	1.884	ug/l	97
13) Acetone	2.64	43	69713	9.668	ug/l	100
14) Carbon Disulfide	2.80	76	29596	1.778	ug/l	99
15) Methylene Chloride	3.06	84	45118	2.822	ug/l	95
16) trans-1,2-Dichloroethene	3.37	96	20780	2.032	ug/l	93
17) 1,1-Dichloroethane	3.89	63	51187	2.038	ug/l	100
18) 2-Butanone	4.73	43	103254	9.481	ug/l	98
19) Cyclohexane	5.40	56	33231	2.131	ug/l	96
20) Methylcyclohexane	6.77	83	33981	2.151	ug/l	98
22) cis-1,2-Dichloroethene	4.68	96	26885	2.085	ug/l	89
23) Diethyl Ether	2.39	59	139	0.226	ug/l #	46
25) Methyl tert-Butyl Ether	3.38	73	71332	2.070	ug/l	99
26) Bromochloromethane	4.99	128	11771	1.879	ug/l	96
27) Chloroform	5.11	83	54917	1.999	ug/l	96
28) 1,1,1-Trichloroethane	5.33	97	46263	2.004	ug/l	100
29) 1,1-Dichloropropene	5.46	75	73	0.076	ug/l #	43
30) Carbon Tetrachloride	5.53	117	38413	2.026	ug/l	96
35) Benzene	5.78	78	98153	1.992	ug/l	97
36) 1,2-Dichloroethane	5.81	62	38767	1.957	ug/l	99
37) Trichloroethene	6.55	130	26893	2.124	ug/l	95
38) 1,2-Dichloropropane	6.80	63	31999	2.098	ug/l	98
44) Bromodichloromethane	7.11	83	43305	2.078	ug/l	99
45) 4-Methyl-2-Pentanone	7.81	43	231352	9.307	ug/l	99
46) t-1,4-Dichloro-2-butene	10.82	75	22519	3.761	ug/l #	16
47) Methyl methacrylate	6.77	69	7022	4.103	ug/l #	10
49) Toluene	7.97	92	64058	2.050	ug/l	98
50) t-1,3-Dichloropropene	8.22	75	37647	1.928	ug/l	100
51) cis-1,3-Dichloropropene	7.62	75	39076	1.945	ug/l	98
52) 1,1,2-Trichloroethane	8.41	97	23073	1.904	ug/l	97
54) 2-Hexanone	8.70	43	159882	9.099	ug/l	97
55) Dibromochloromethane	8.82	129	27271	1.946	ug/l	100
56) 1,2-Dibromoethane	8.93	107	21857	1.963	ug/l	98
58) Tetrachloroethene	8.56	164	20507	2.179	ug/l	92
59) Chlorobenzene	9.45	112	72771	1.980	ug/l	99

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

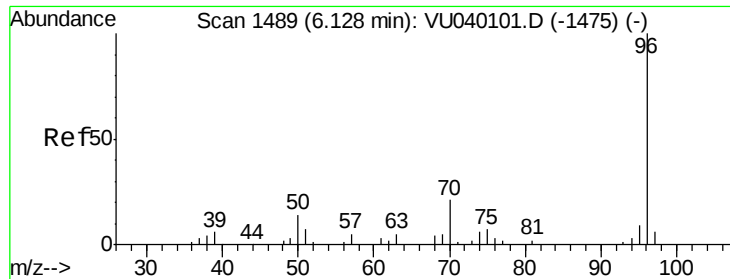
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

Quant Time: Sep 23 08:04:59 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)

61) Pentachloroethane	11.47	117	3535	1.821	ug/l #	16
63) Ethyl Benzene	9.57	91	112428	1.842	ug/l	100
64) m/p-Xylenes	9.69	106	44631	3.851	ug/l	95
65) o-Xylene	10.10	106	42345	1.904	ug/l	99
66) Styrene	10.11	104	79584	2.005	ug/l	97
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
73) n-propylbenzene	11.09	120	45762	1.829	ug/l #	1
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
79) sec-Butylbenzene	11.47	105	95594	1.790	ug/l #	58
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_V

ClientSampleId :

VU0922WBS01

Tot Ion: 96 Resp: 49330

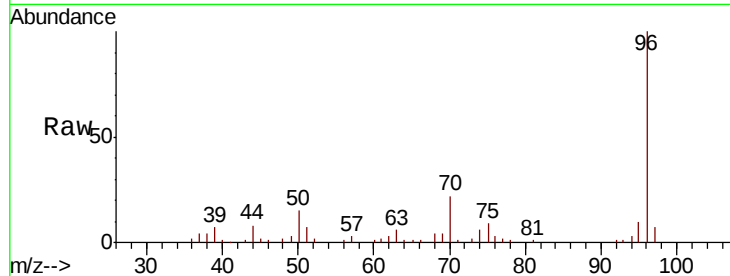
Ion Ratio Lower Upper

96 100

70 20.9 17.1 25.7

95 9.7 7.6 11.4

97 7.0 0.0 0.0#

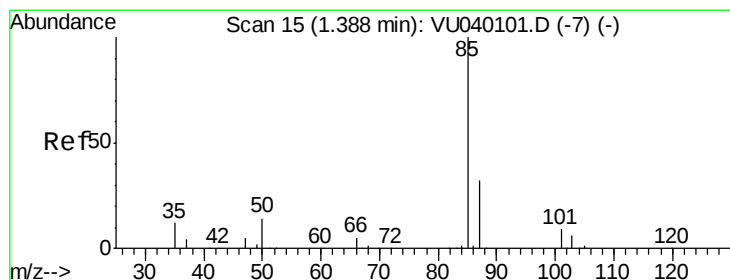
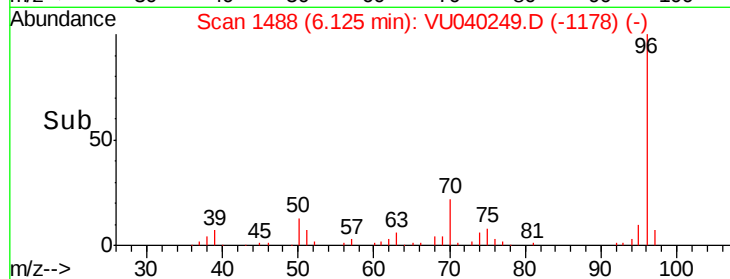
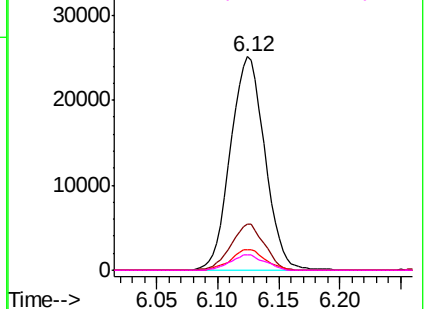


Abundance Ion 96.00 (95.70 to 96.70): VU040101.D (-1475) (-)

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

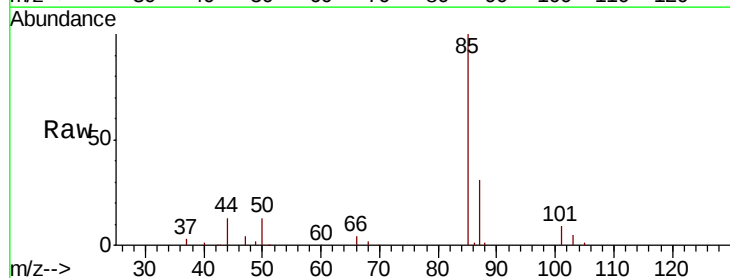
Acq: 22 Sep 2020 16:04

Tgt Ion: 85 Resp: 42710

Ion Ratio Lower Upper

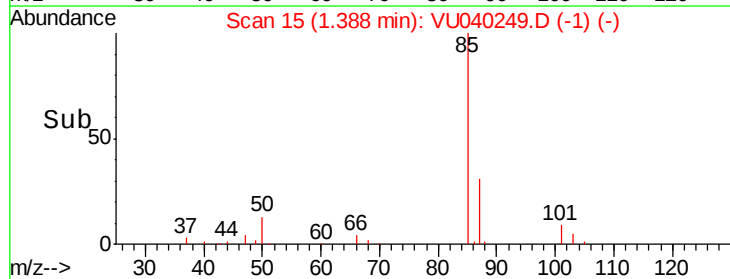
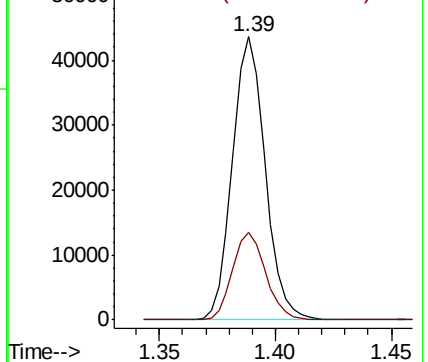
85 100

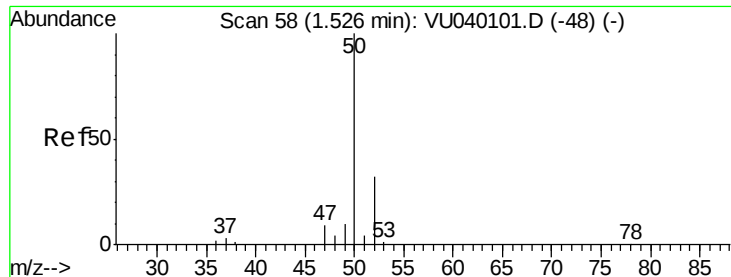
87 31.1 15.6 46.8



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_V

ClientSampleId :

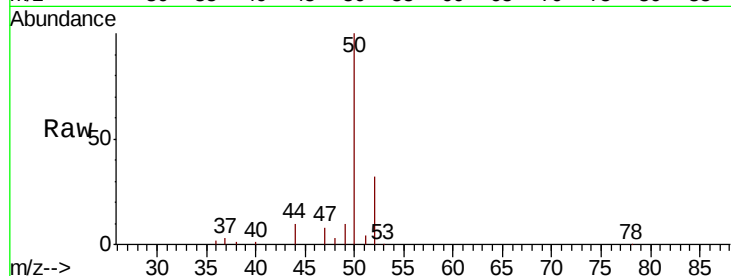
VU0922WBS01

Tot Ion: 50 Resp: 41729

Ion Ratio Lower Upper

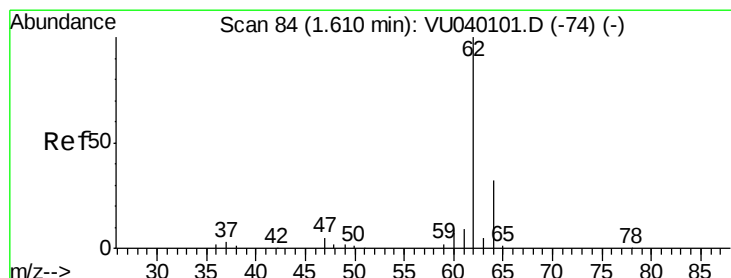
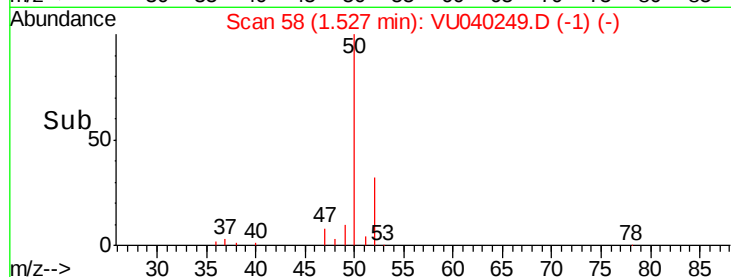
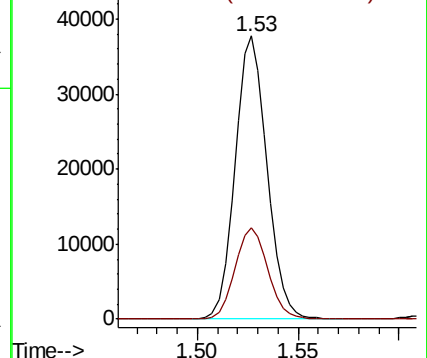
50 100

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

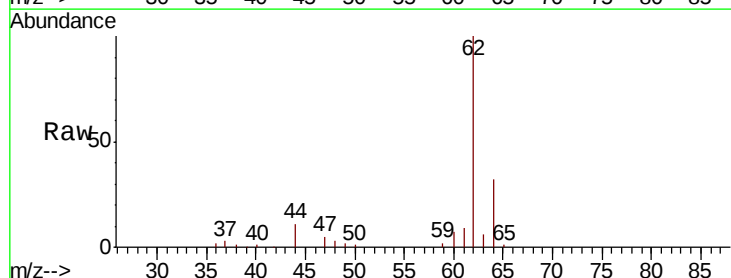
Acq: 22 Sep 2020 16:04

Tgt Ion: 62 Resp: 40142

Ion Ratio Lower Upper

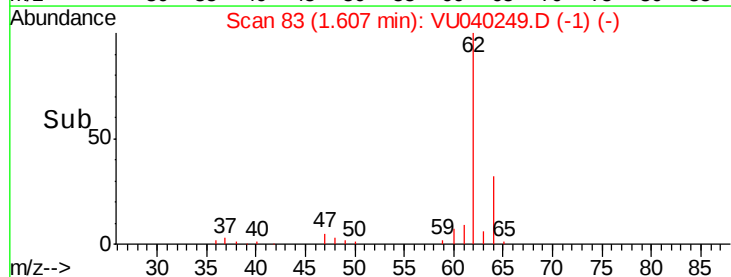
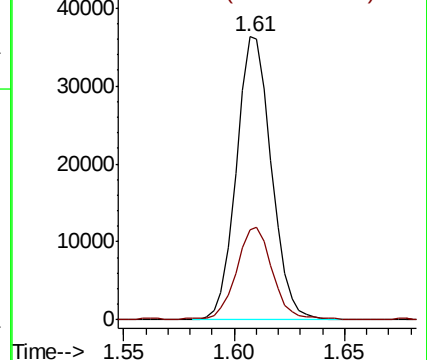
62 100

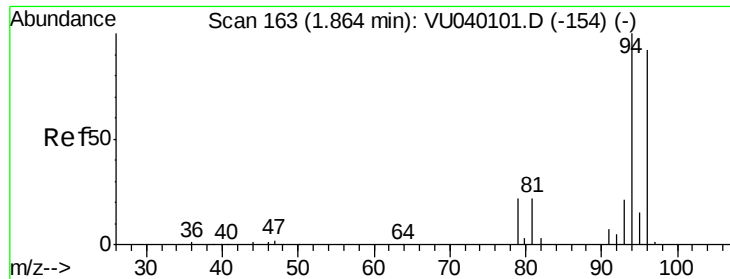
64 31.6 25.4 38.0



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_V

ClientSampleId :

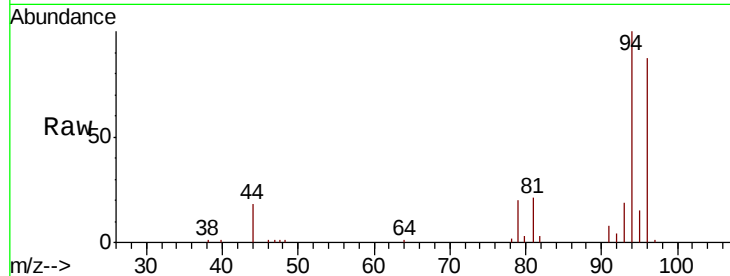
VU0922WBS01

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): VU040101.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040101.D (-154) (-)

1.86

15000

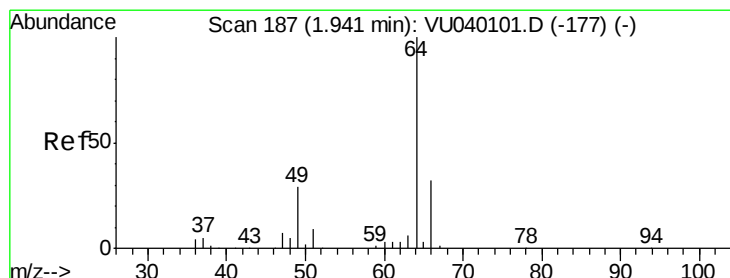
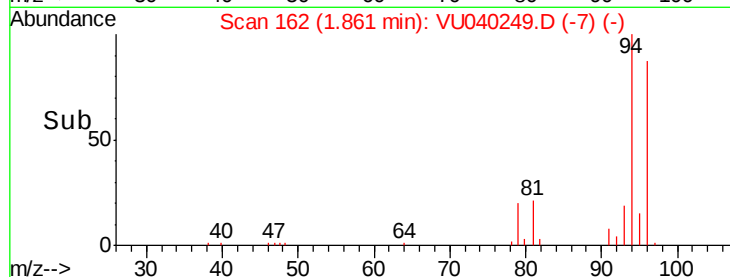
10000

5000

0

Time-->

1.80 1.85 1.90



#6

Chloroethane

Concen: 2.284 ug/l

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040249.D

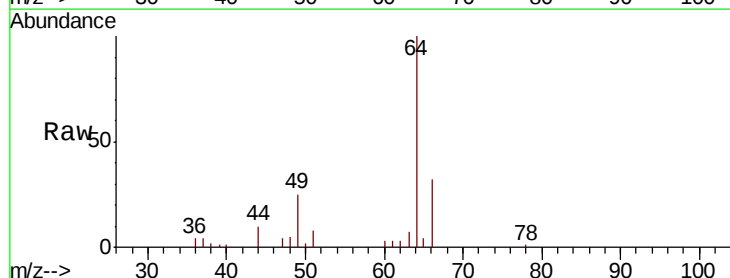
Acq: 22 Sep 2020 16:04

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): VU040101.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU040101.D (-177) (-)

1.94

20000

15000

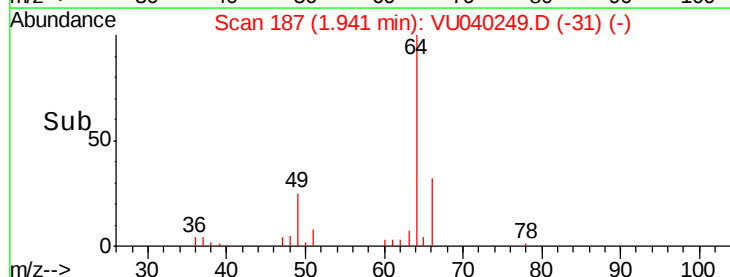
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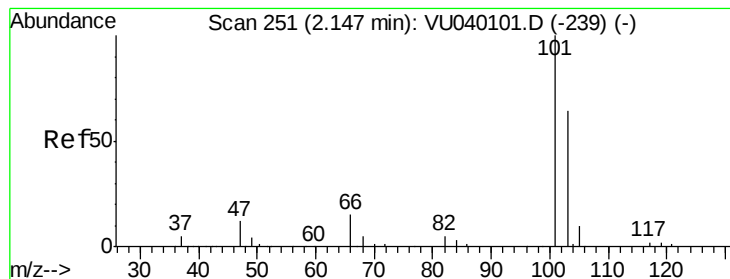
5000

0

Time-->

1.90 1.95 2.00



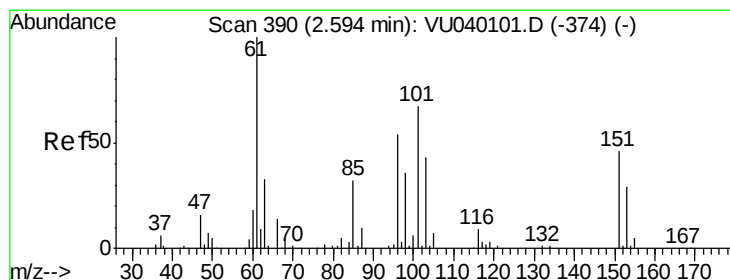
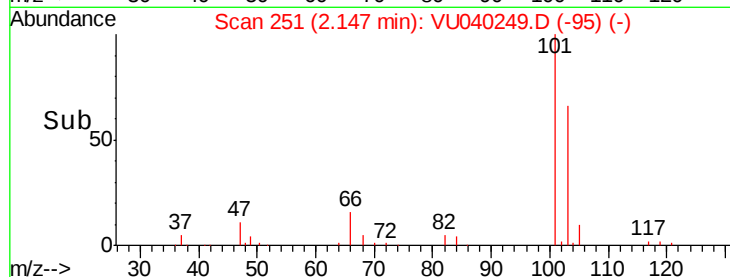
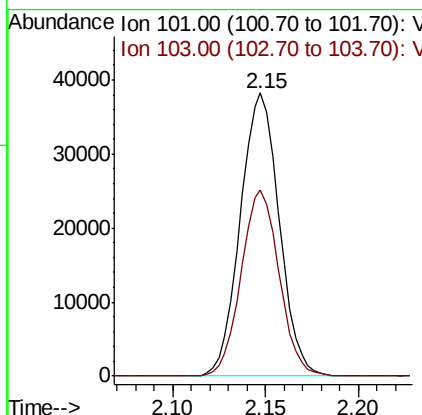
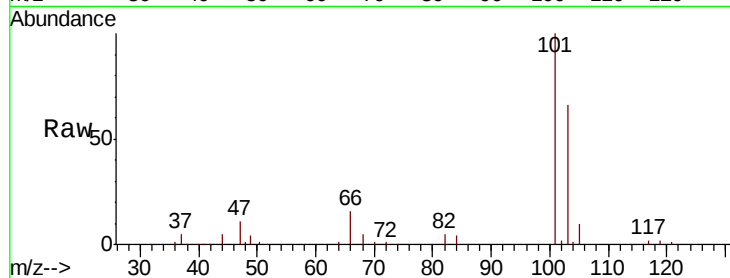


#7

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_V
 ClientSampleId :
 VU0922WBS01

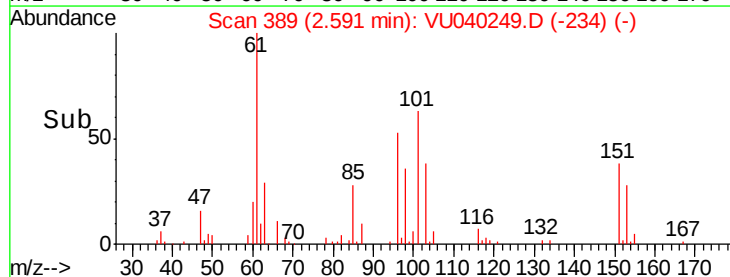
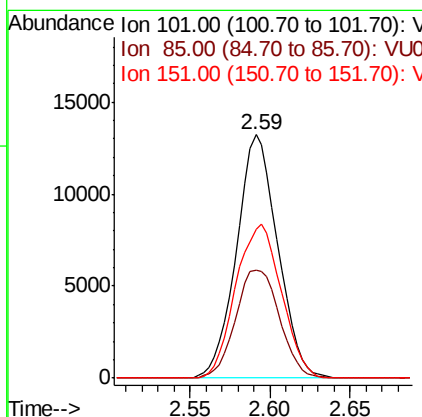
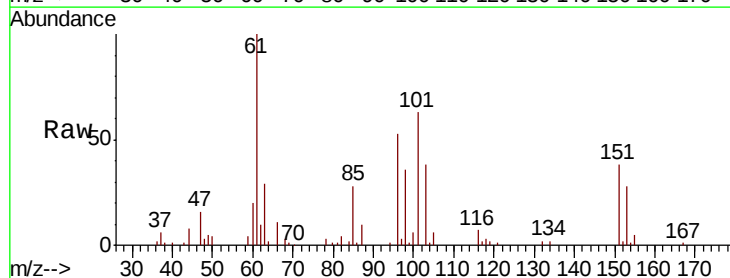
Tot Ion:101 Resp: 55809
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.8 76.2

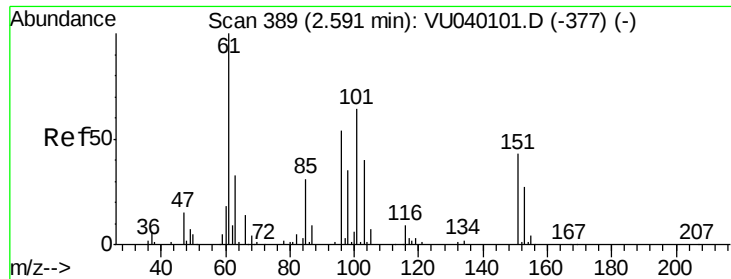


#8

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

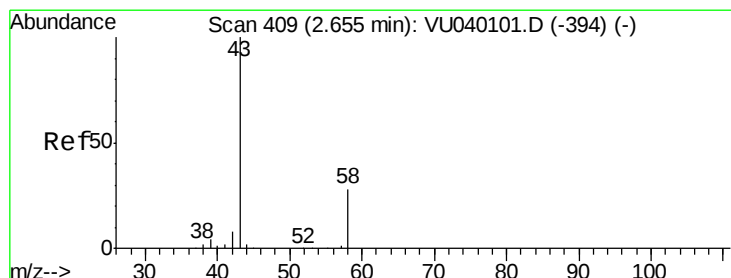
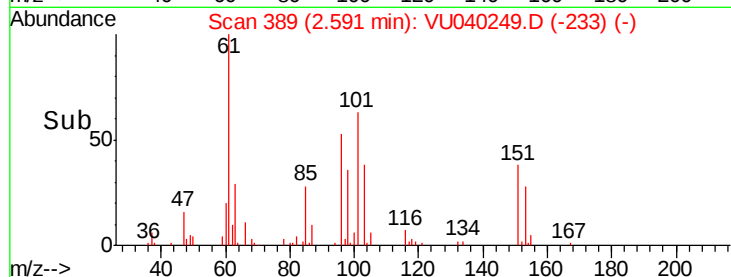
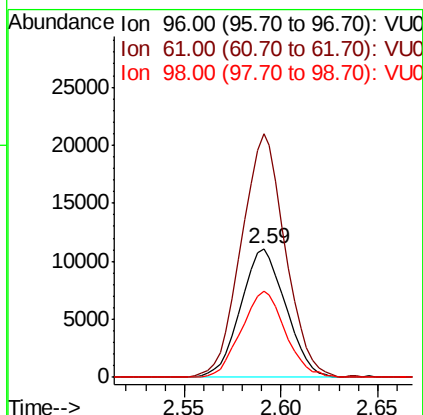
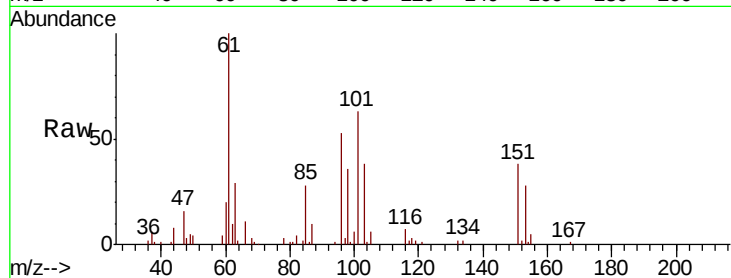




#9
 1,1-Dichloroethene
 Concen: 1.884 ug/l
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

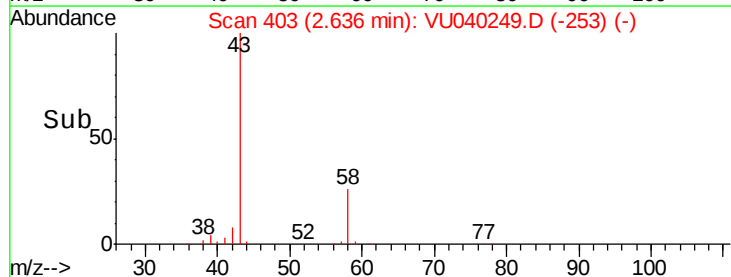
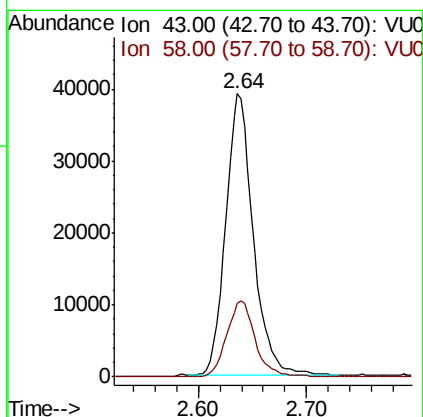
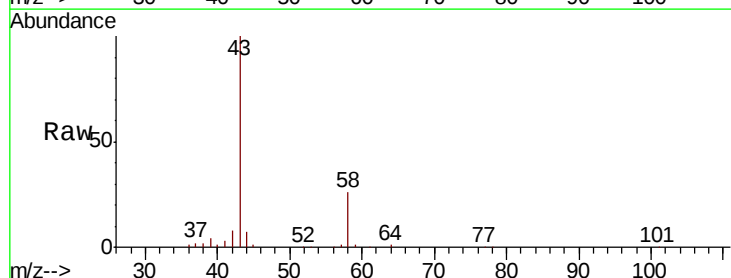
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

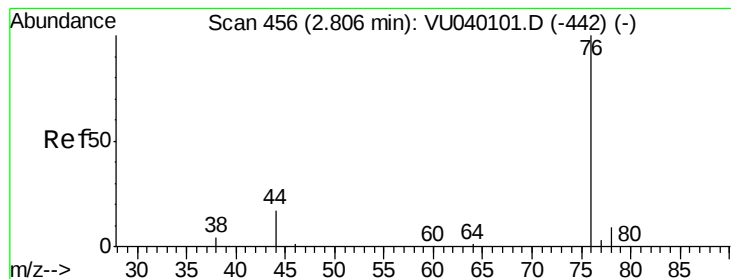
Tot Ion	96	Resp	17929
Ion	Ratio	Lower	Upper
96	100		
61	189.5	0.0	557.1
98	67.4	0.0	125.6



#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





#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_V

ClientSampleId :

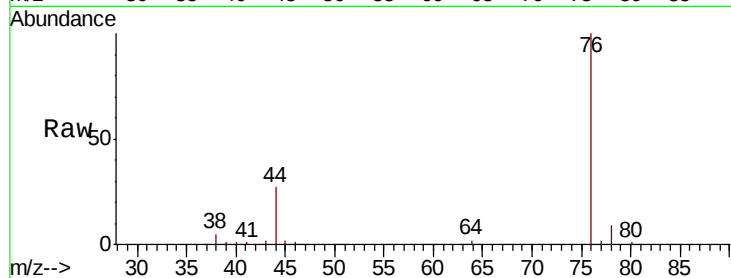
VU0922WBS01

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

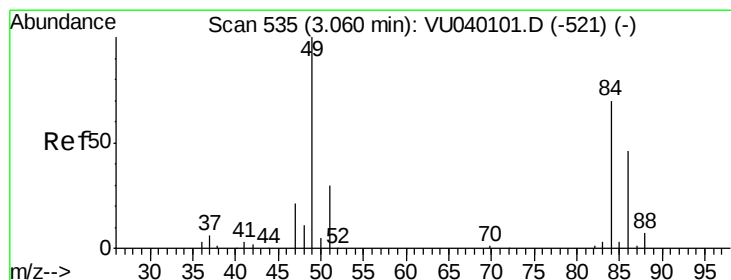
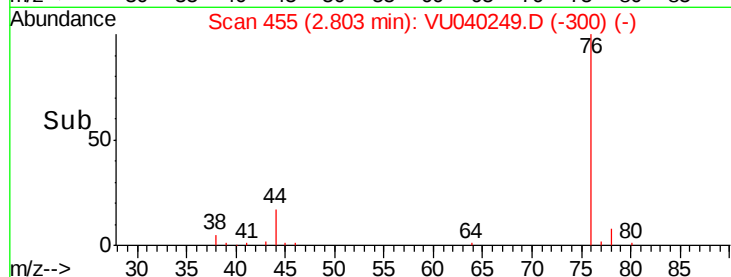
10000

5000

0

2.75 2.80 2.85

Time-->



#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

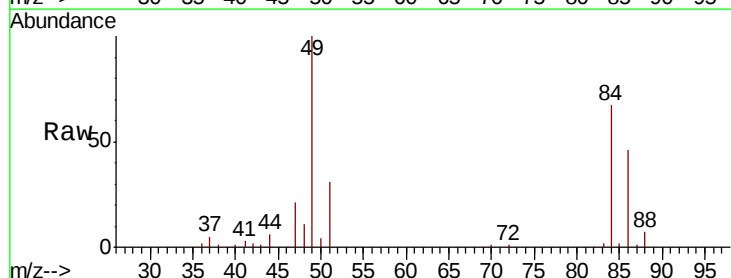
Ion Ratio Lower Upper

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) (-)

3.06

50000

40000

30000

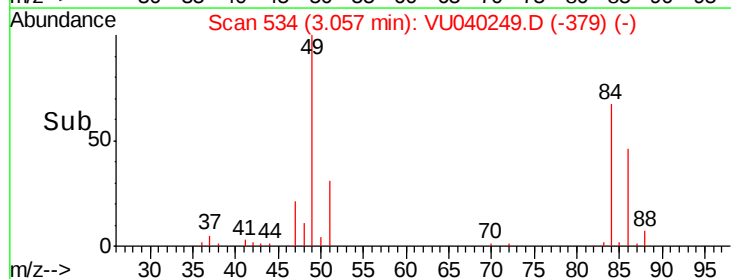
20000

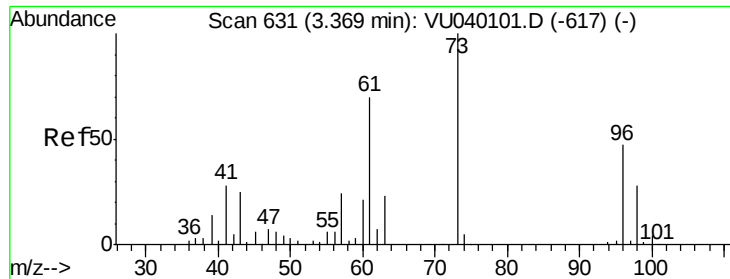
10000

0

3.00 3.05 3.10 3.15

Time-->

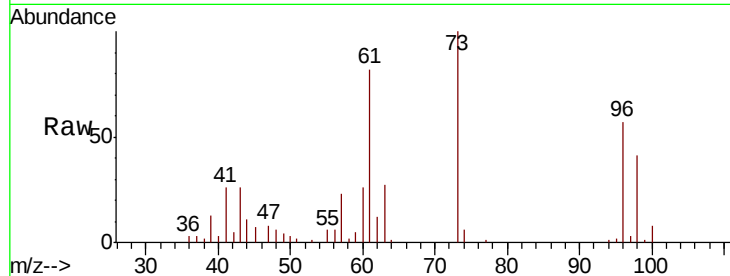




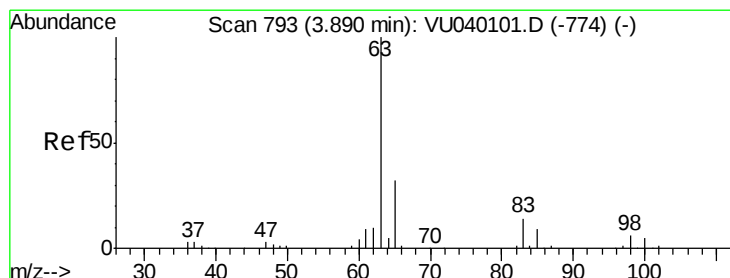
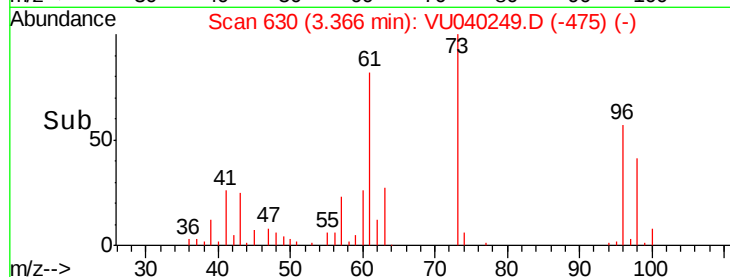
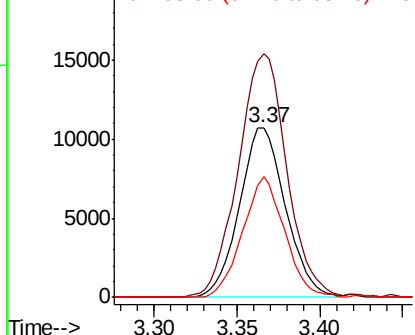
#16
trans-1,2-Dichloroethene
Concen: 2.032 ug/l
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
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

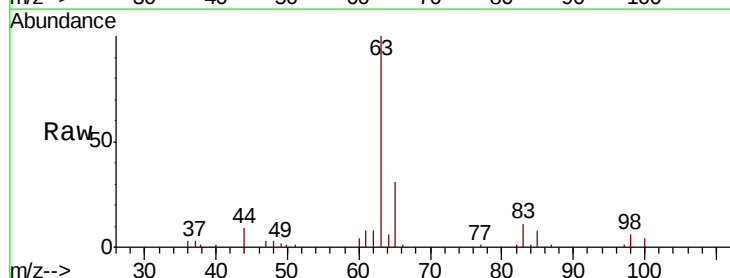


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

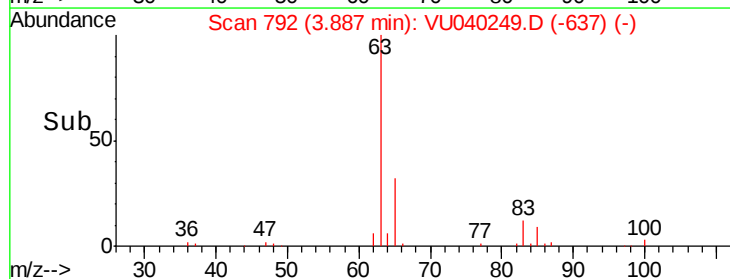
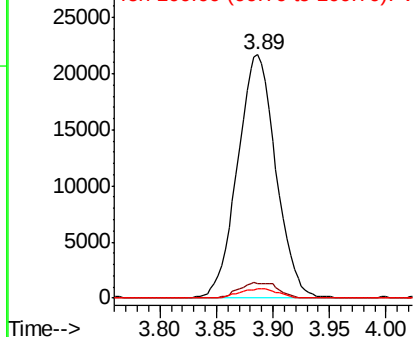


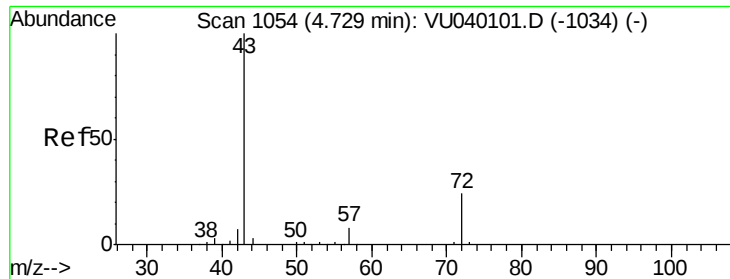
#17
1,1-Dichloroethane
Concen: 2.038 ug/l
RT: 3.89 min Scan# 792
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

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



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

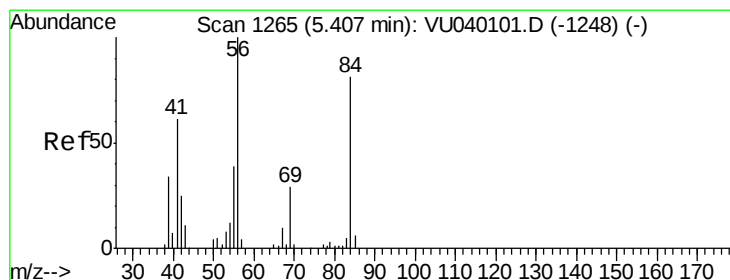
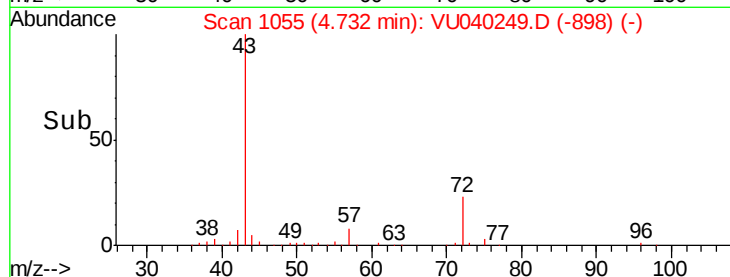
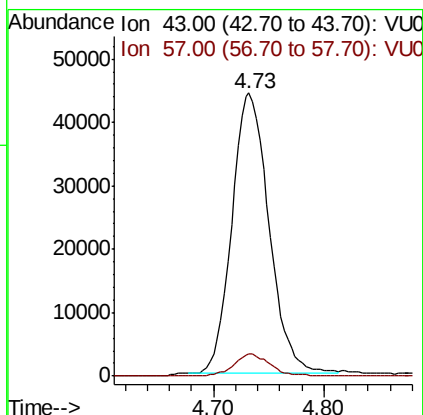
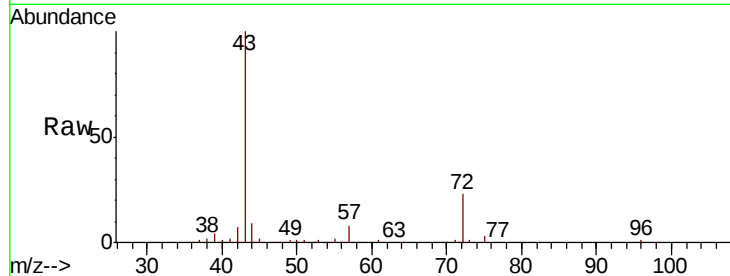




#18
2-Butanone
Concen: 9.481 ug/l
RT: 4.73 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

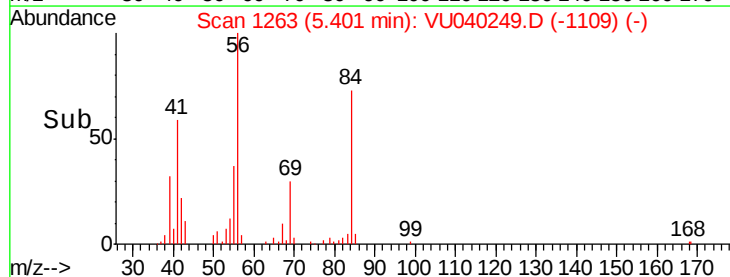
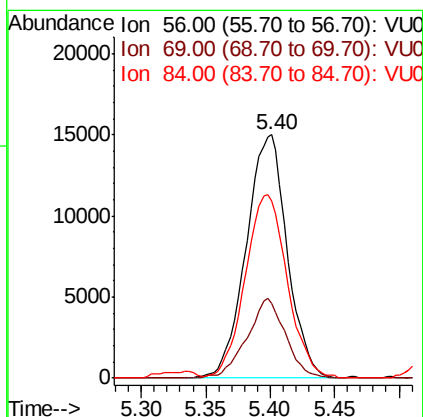
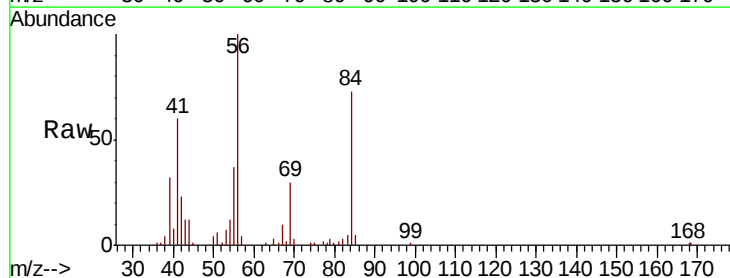
Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

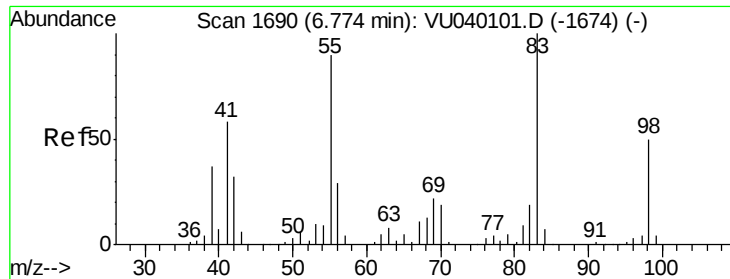
Tot Ion: 43 Resp: 103254
Ion Ratio Lower Upper
43 100
57 8.2 0.0 15.2



#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

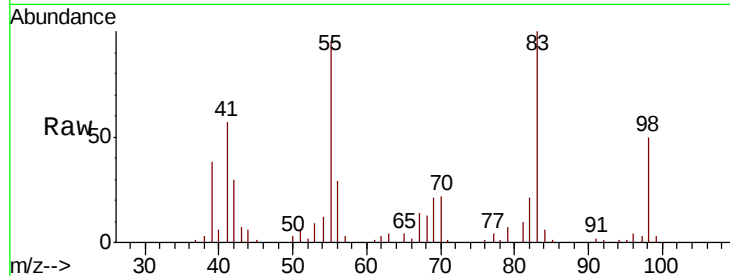




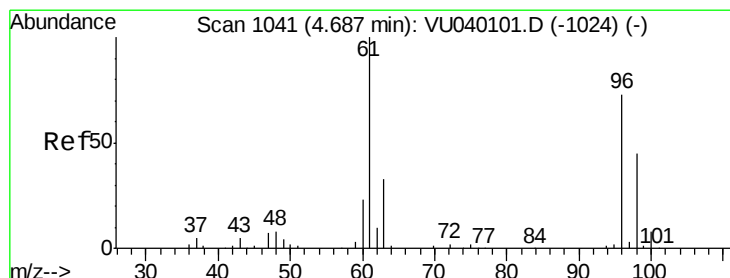
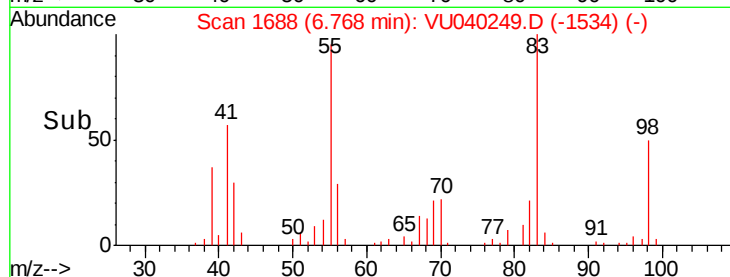
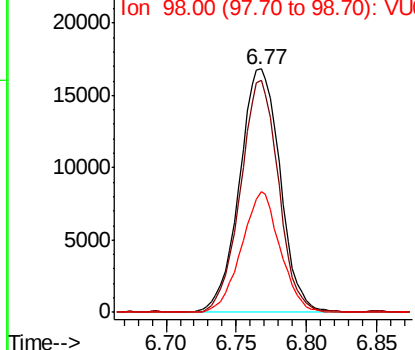
#20
Methylcyclohexane
Concen: 2.151 ug/l
RT: 6.77 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
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

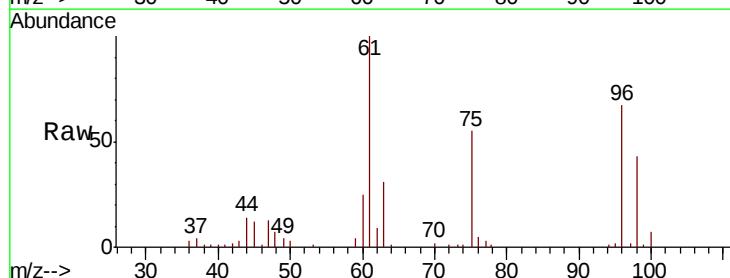


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

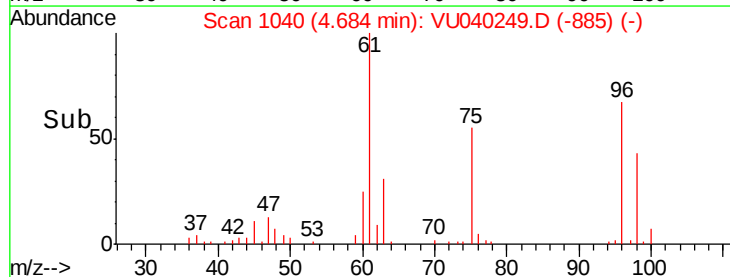
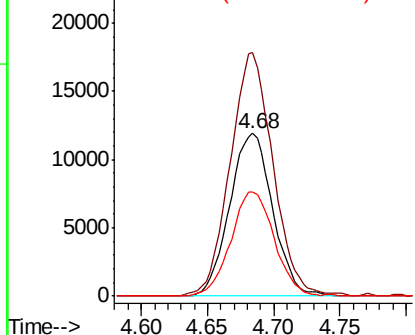


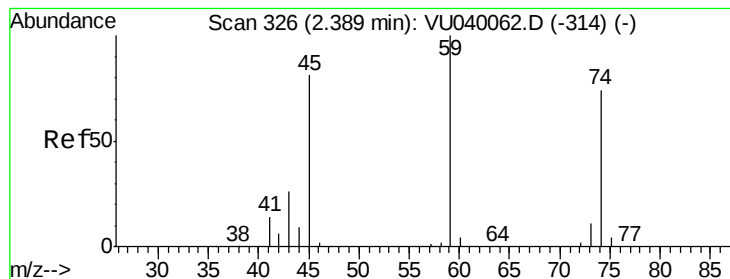
#22
cis-1,2-Dichloroethene
Concen: 2.085 ug/l
RT: 4.68 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

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



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





#23

Diethyl Ether

Concen: 0.226 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU040249.D

Acq: 22 Sep 2020 16:04

Instrument :

MSVOA_V

ClientSampled :

VU0922WBS01

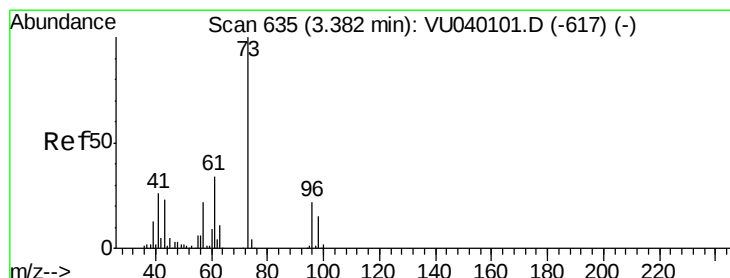
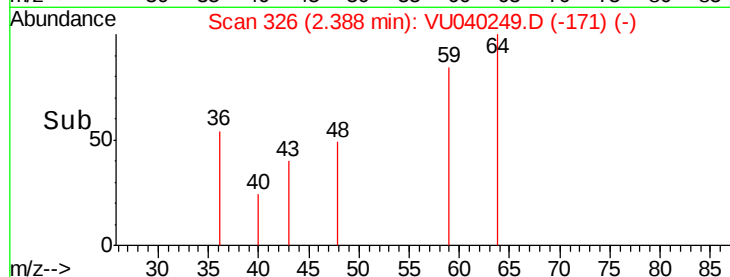
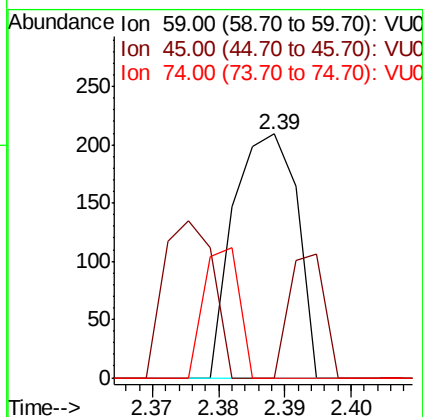
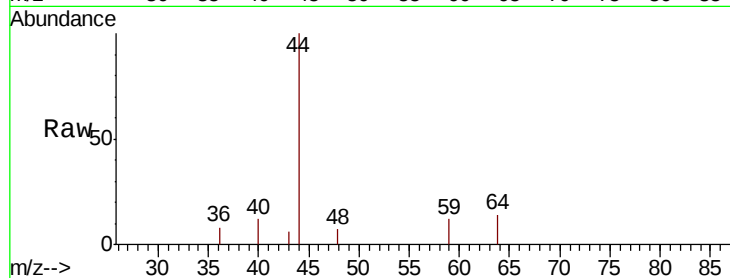
Tot Ion: 59 Resp: 139

Ion Ratio Lower Upper

59 100

45 28.8 62.4 93.6#

74 30.2 57.7 86.5#



#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

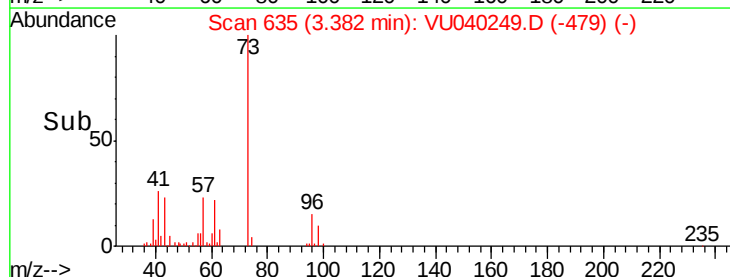
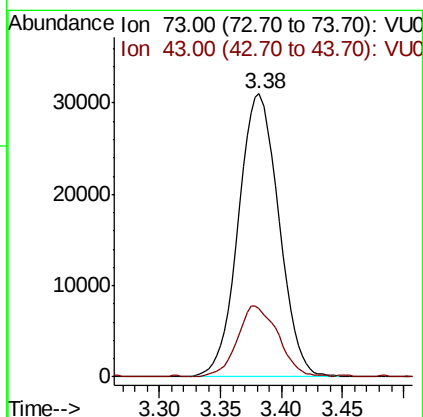
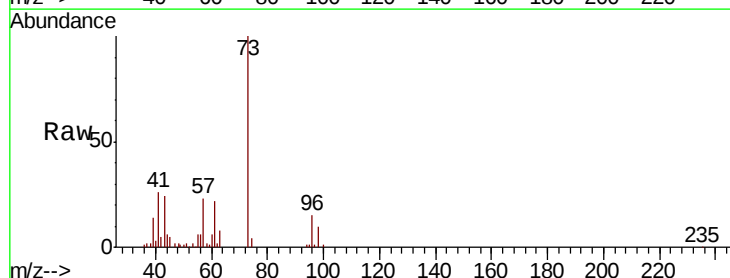
Acq: 22 Sep 2020 16:04

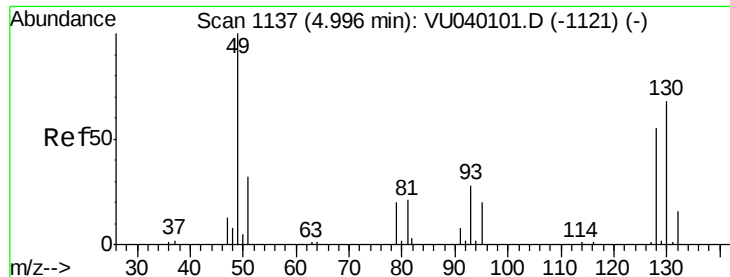
Tgt Ion: 73 Resp: 71332

Ion Ratio Lower Upper

73 100

43 25.3 20.0 30.0

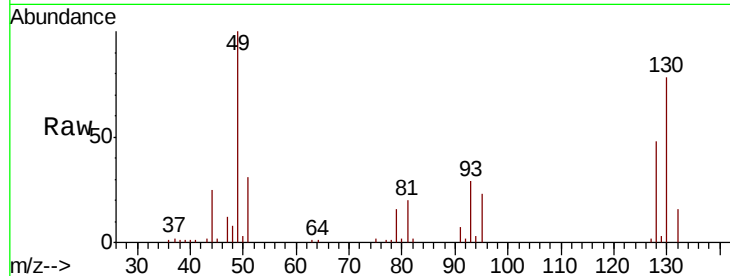




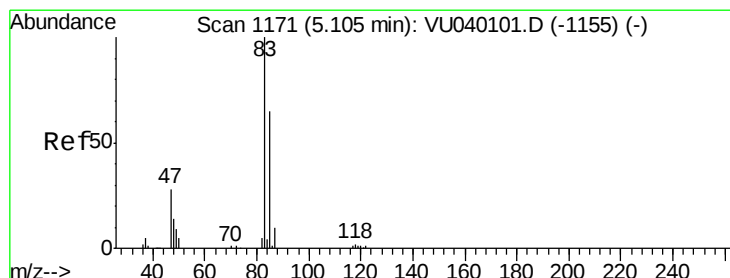
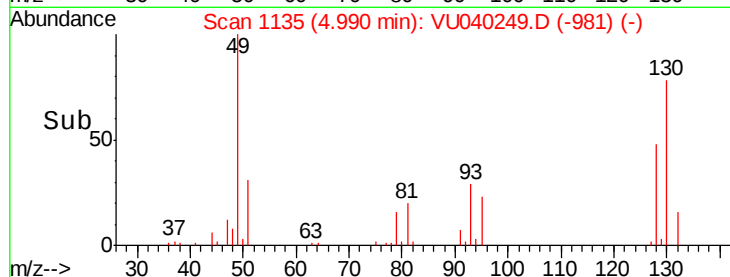
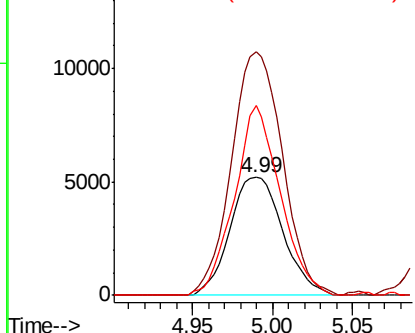
#26
Bromochloromethane
Concen: 1.879 ug/l
RT: 4.99 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

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

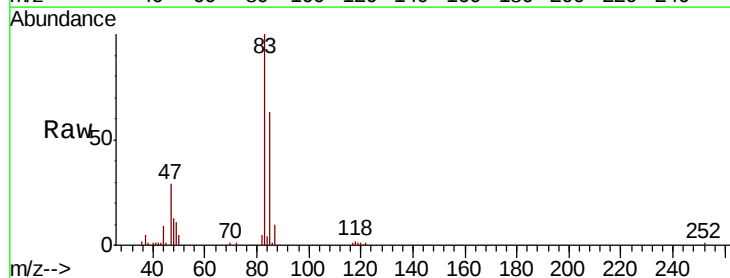


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU
Ion 130.00 (129.70 to 130.70): V

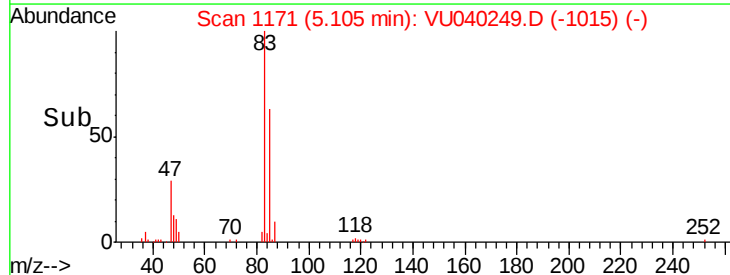
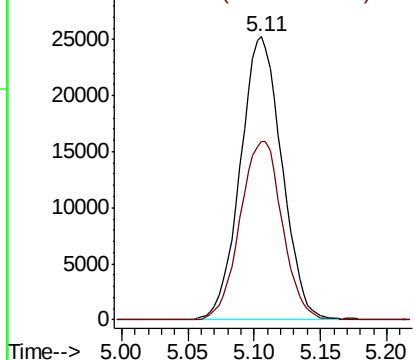


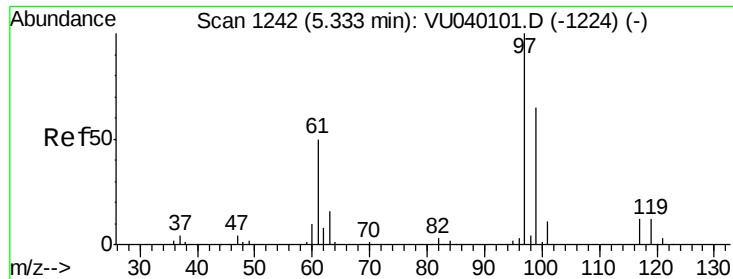
#27
Chloroform
Concen: 1.999 ug/l
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion: 83 Resp: 54917
Ion Ratio Lower Upper
83 100
85 63.2 0.0 132.4



Abundance Ion 83.00 (82.70 to 83.70): VU
Ion 85.00 (84.70 to 85.70): VU

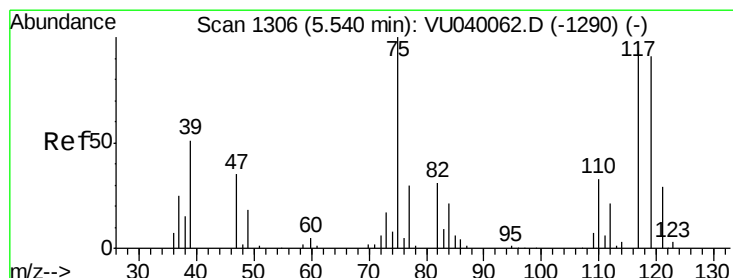
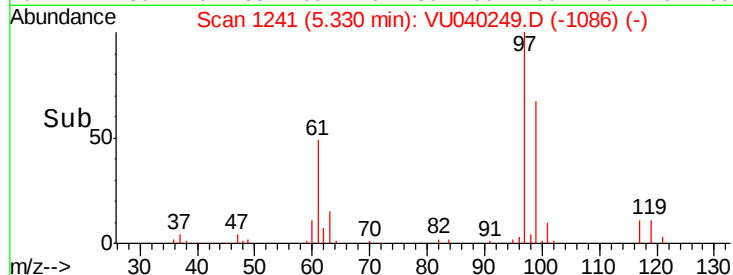
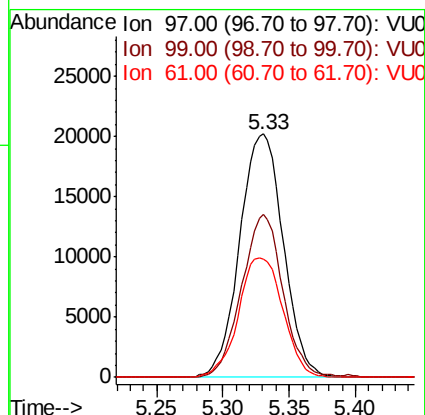
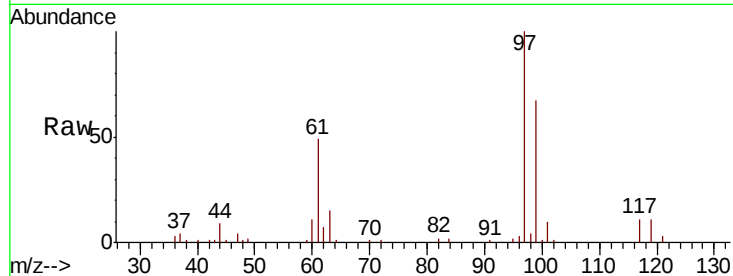




#28
 1,1,1-Trichloroethane
 Concen: 2.004 ug/l
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

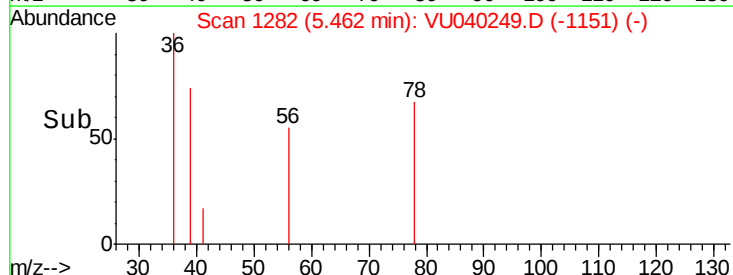
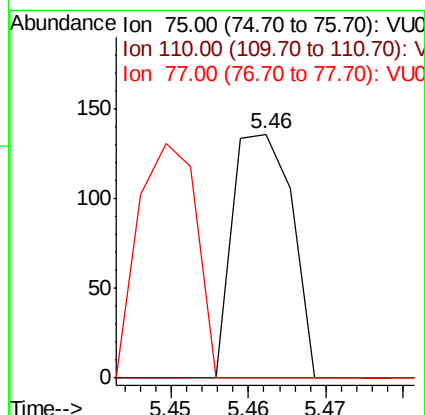
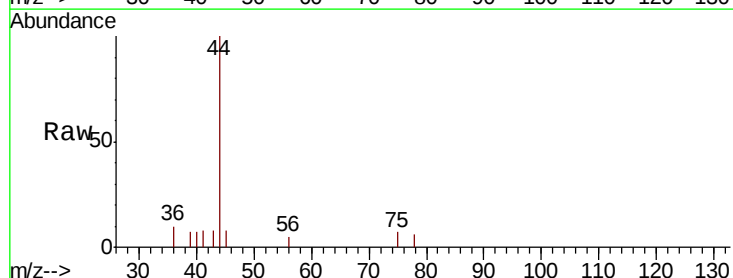
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

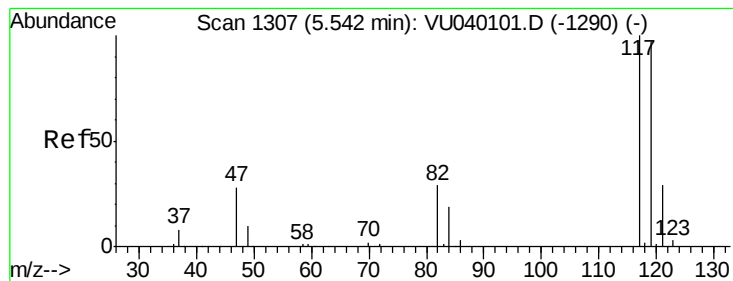
Tot Ion: 97 Resp: 46263
 Ion Ratio Lower Upper
 97 100
 99 63.5 31.8 95.4
 61 50.0 25.1 75.2



#29
 1,1-Dichloropropene
 Concen: 0.076 ug/l
 RT: 5.46 min Scan# 1282
 Delta R.T. -0.08 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Tgt Ion: 75 Resp: 73
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.2 48.6#
 77 0.0 25.3 37.9#





#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_V

ClientSampleId :

VU0922WBS01

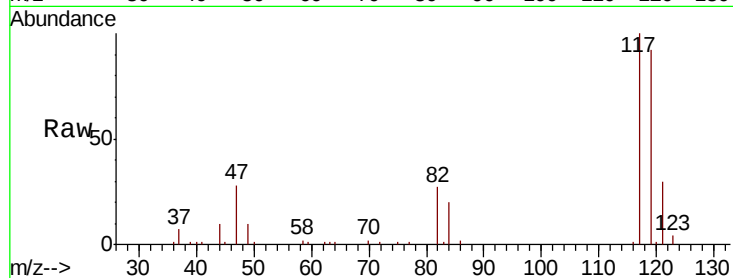
Tot Ion:117 Resp: 38413

Ion Ratio Lower Upper

117 100

119 91.7 77.0 115.4

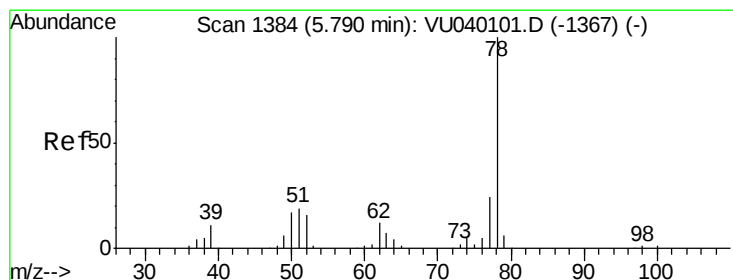
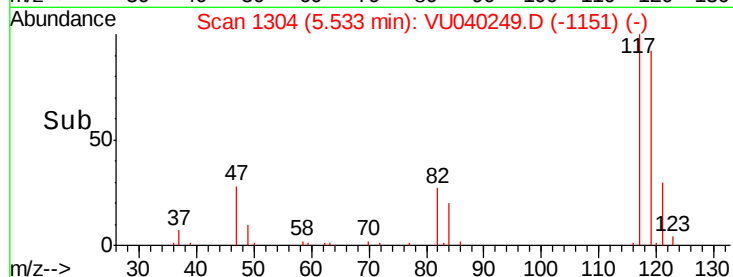
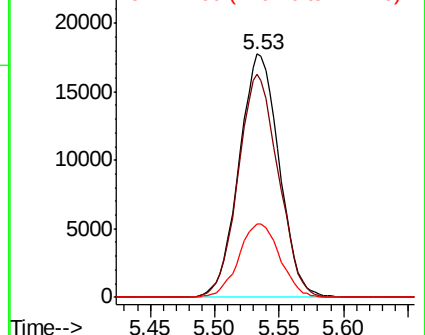
121 29.9 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#35

Benzene

Concen: 1.992 ug/l

RT: 5.78 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VU040249.D

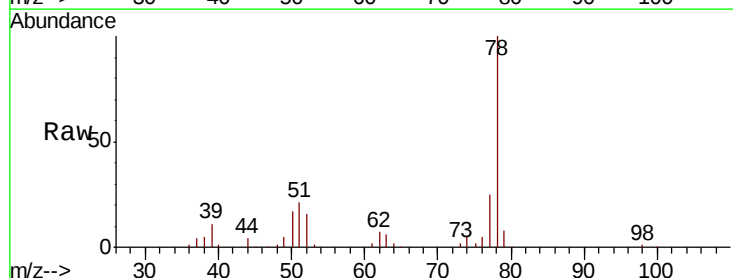
Acq: 22 Sep 2020 16:04

Tgt Ion: 78 Resp: 98153

Ion Ratio Lower Upper

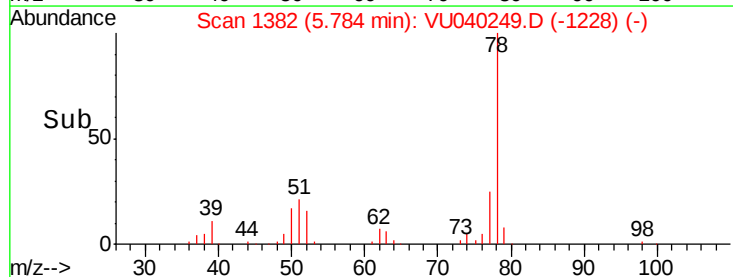
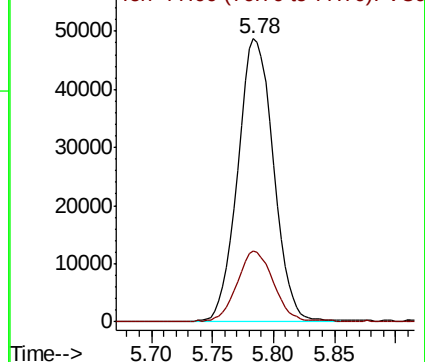
78 100

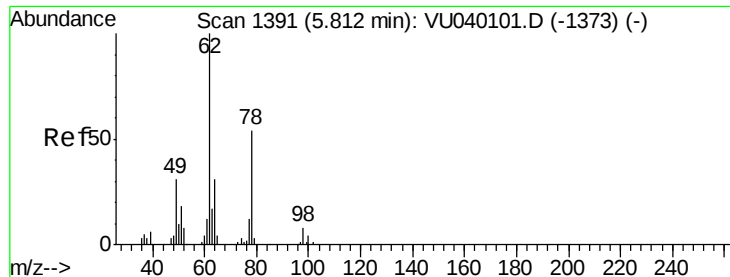
77 25.2 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

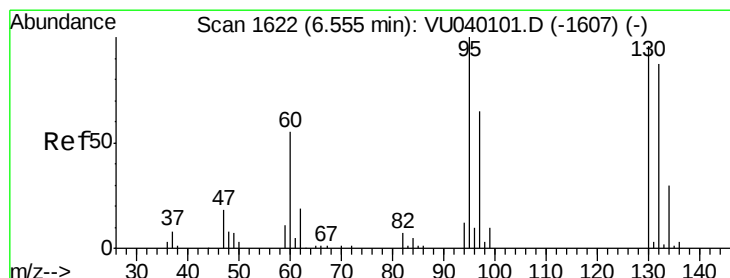
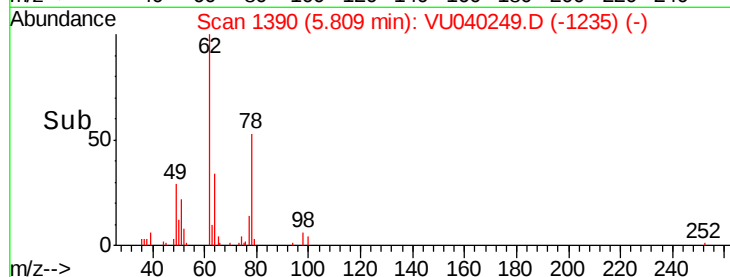
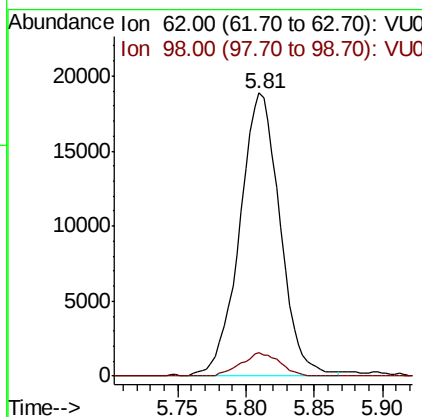
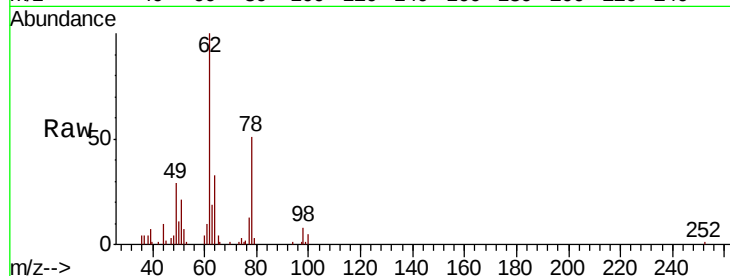




#36
 1,2-Dichloroethane
 Concen: 1.957 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

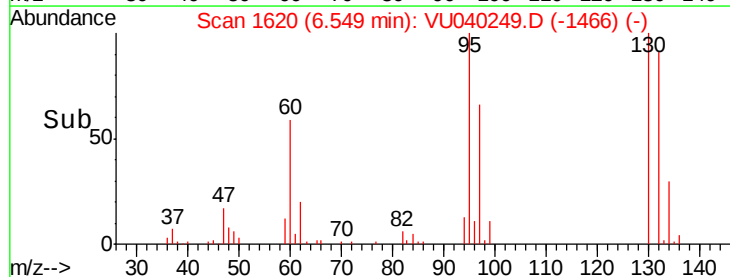
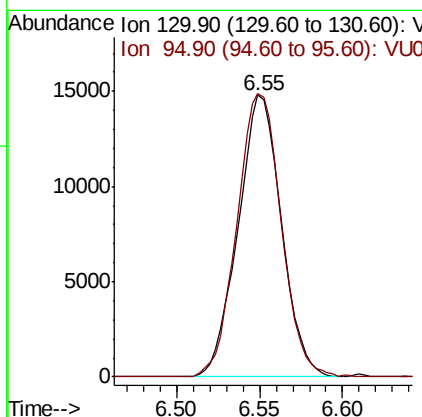
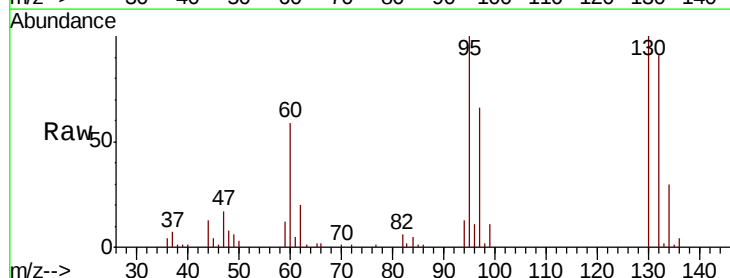
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

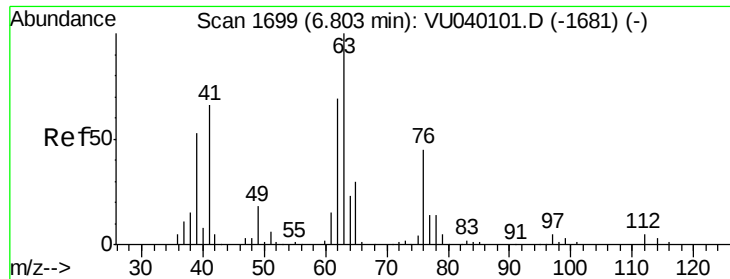
Tot Ion: 62 Resp: 38767
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.5 9.7



#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

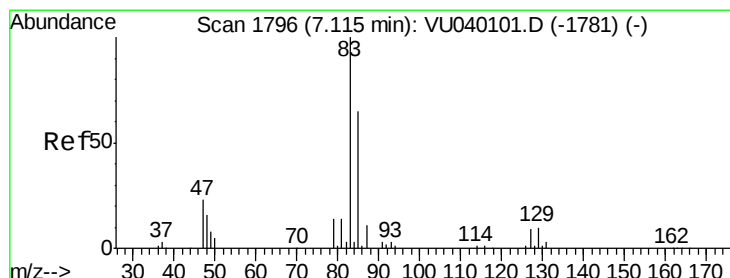
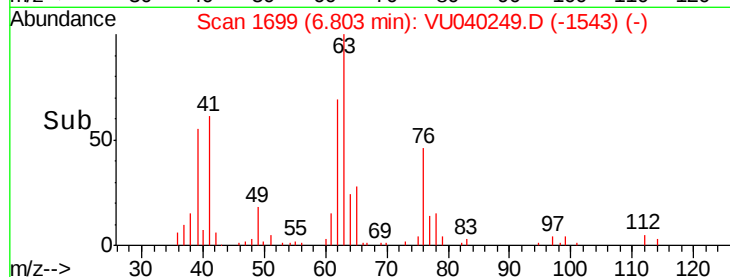
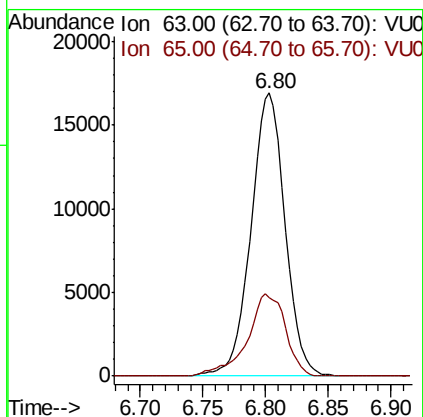
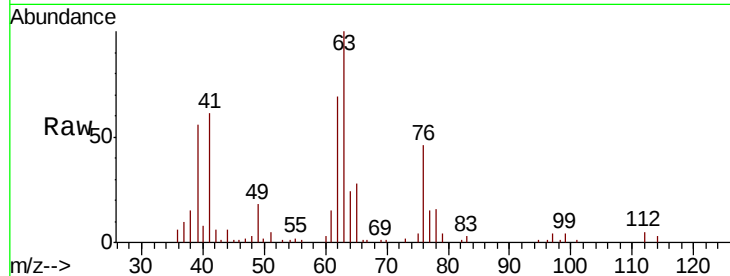




#38
 1,2-Dichloropropane
 Concen: 2.098 ug/l
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

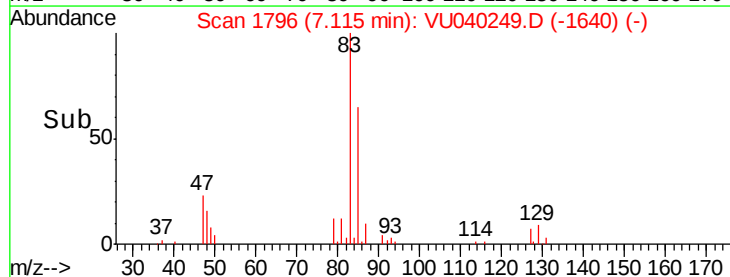
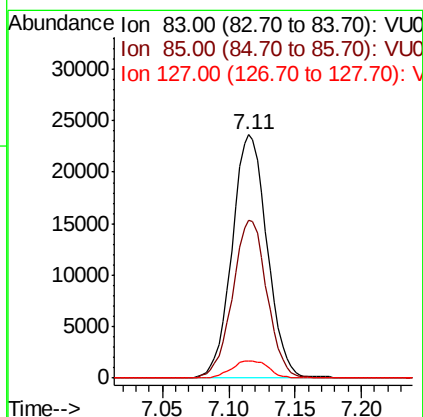
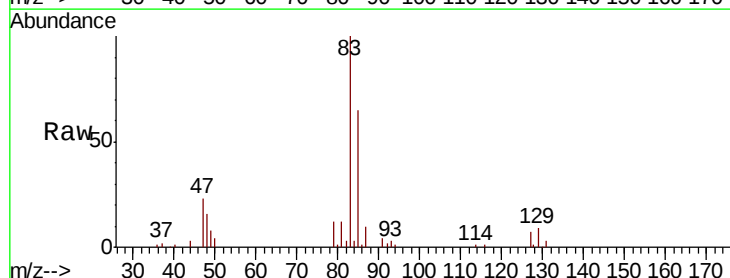
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

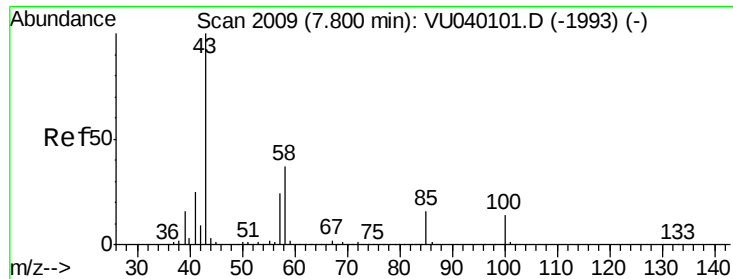
Tot Ion: 63 Resp: 31999
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.0 34.6



#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

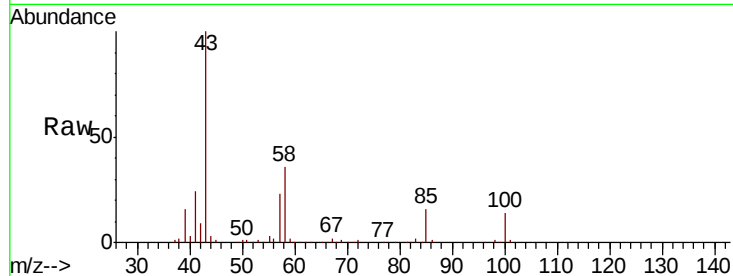




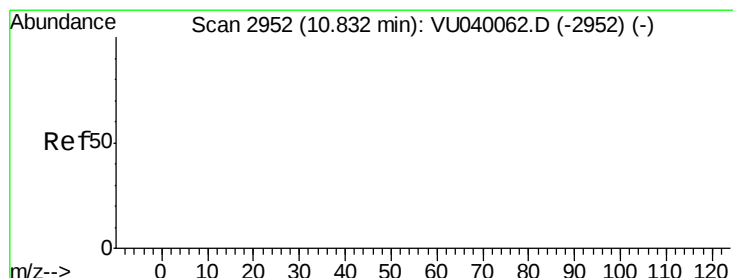
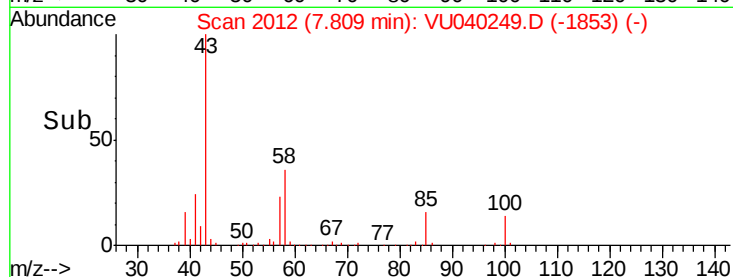
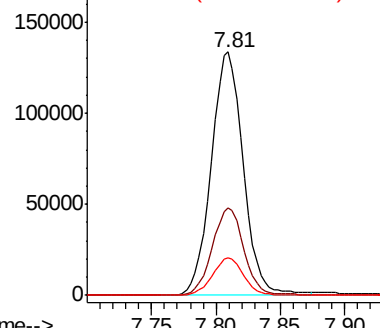
#45
4-Methyl-2-Pentanone
Concen: 9.307 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
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

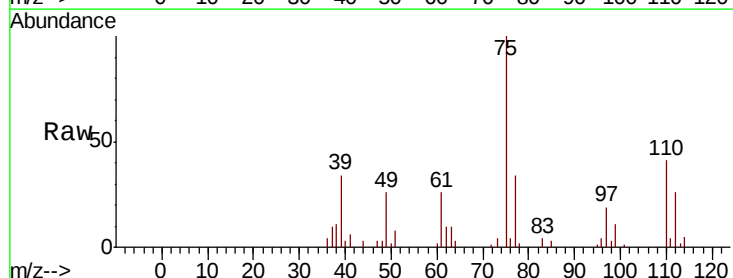


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

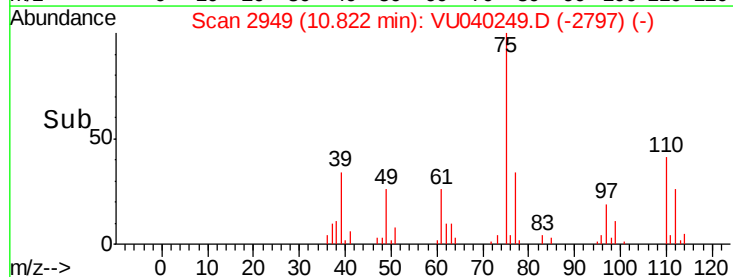
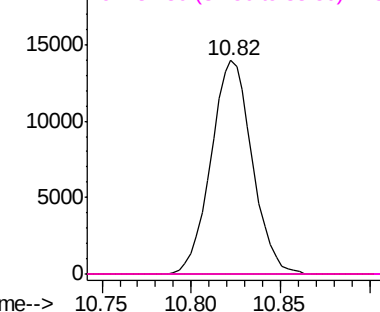


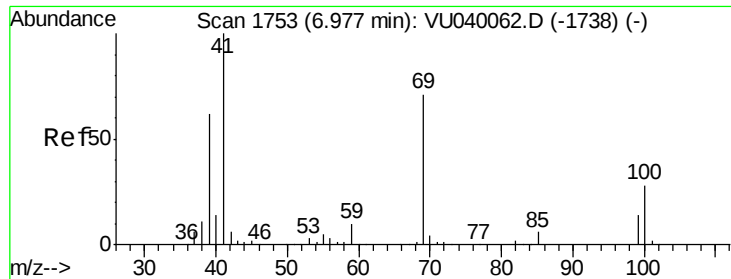
#46
t-1,4-Dichloro-2-butene
Concen: 3.761 ug/l
RT: 10.82 min Scan# 2949
Delta R.T. -0.01 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Tgt Ion: 75 Resp: 22519
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.0 41.6 62.4#
88 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

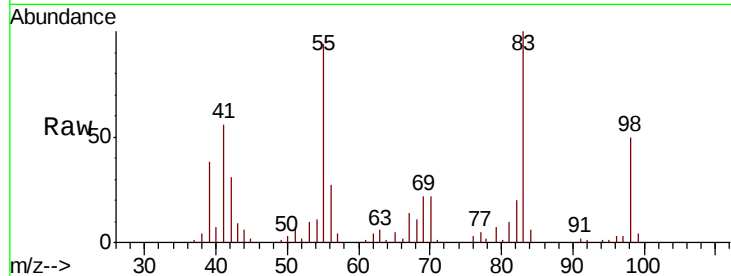




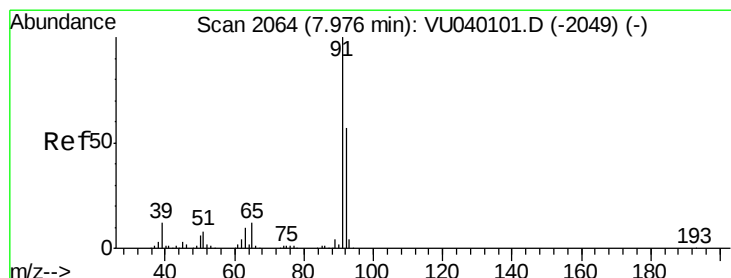
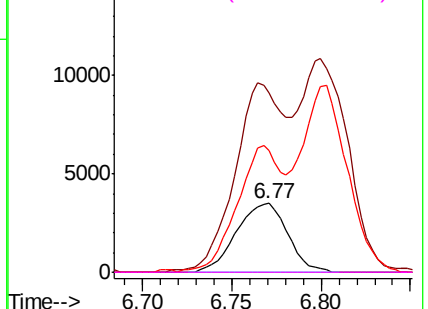
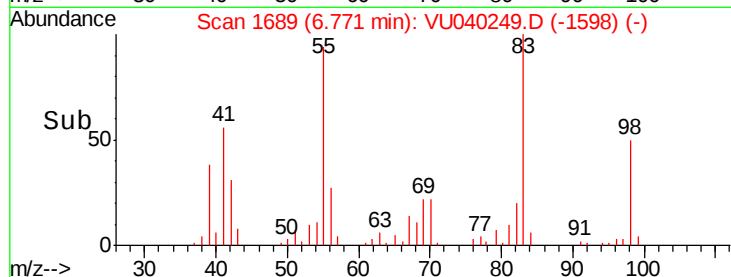
#47
Methvl methacrylate
Concen: 4.103 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.21 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

Tot Ion: 69 Resp: 7022
Ion Ratio Lower Upper
69 100
41 256.2 0.0 273.0
39 162.2 67.8 101.6#
100 0.0 29.8 44.6#

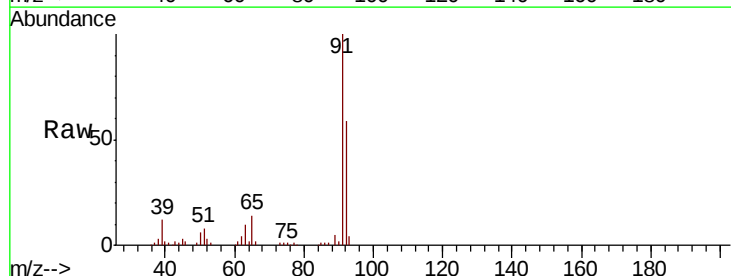


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

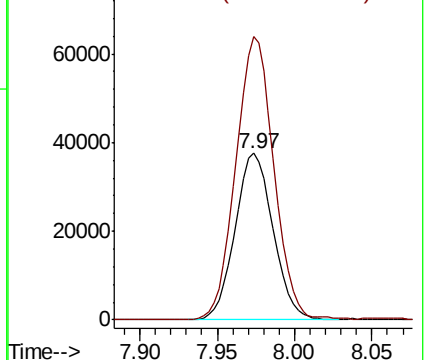
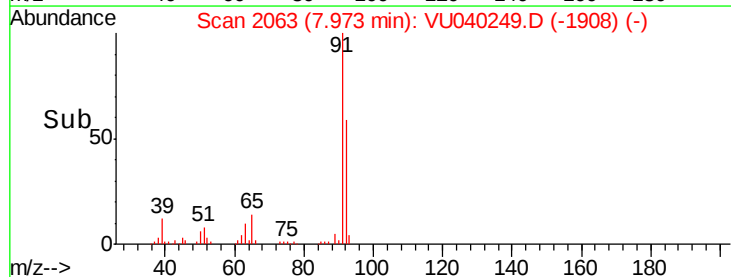


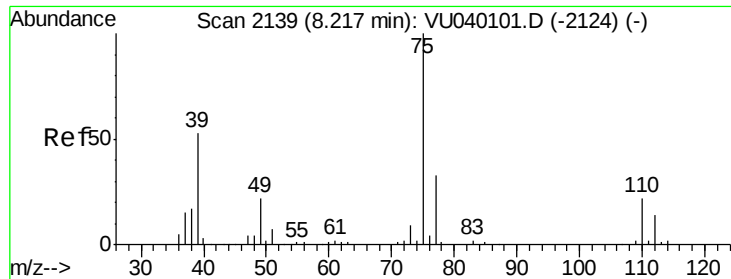
#49
Toluene
Concen: 2.050 ug/l
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

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



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0

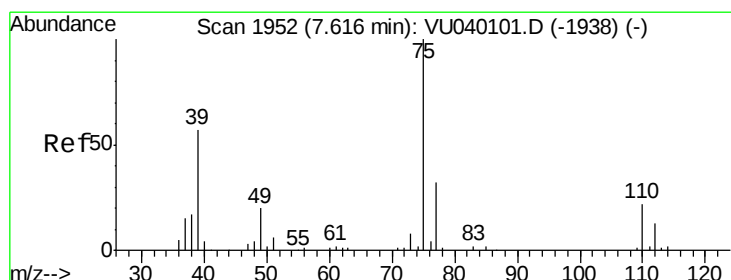
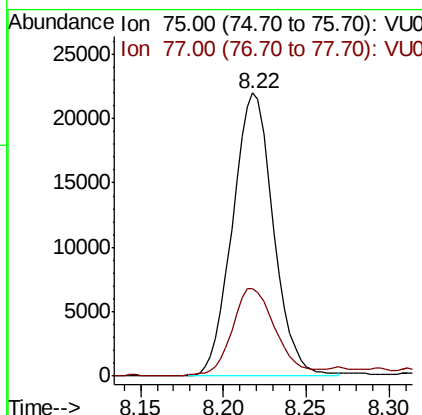
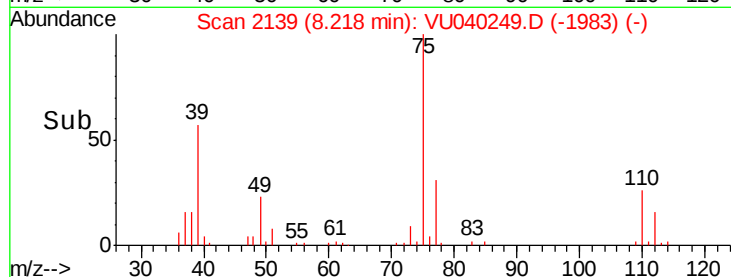
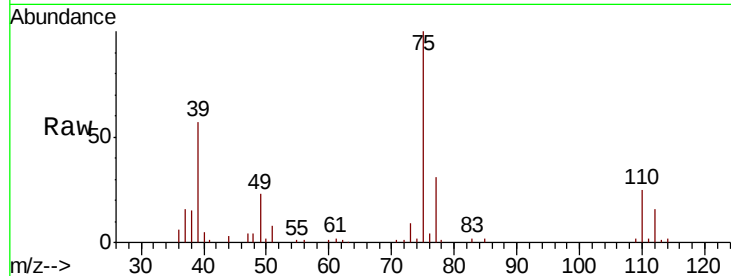




#50
 t-1,3-Dichloropropene
 Concen: 1.928 ug/l
 RT: 8.22 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

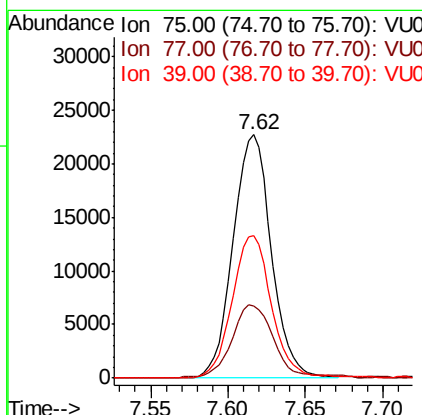
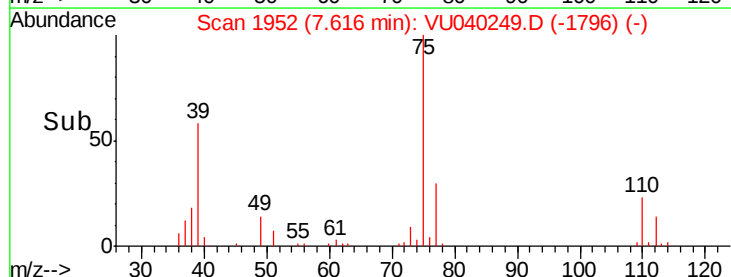
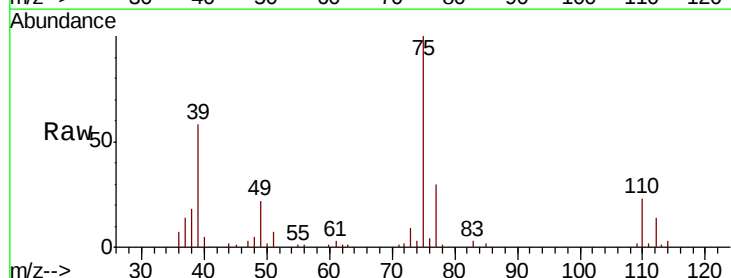
Instrument :
 MSVOA_V
 ClientSampleID :
 VU0922WBS01

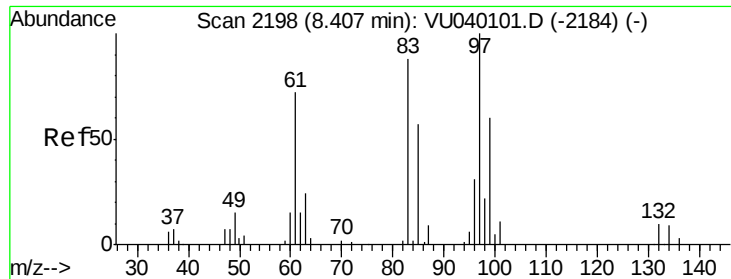
Tot Ion: 75 Resp: 37647
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.4 36.6



#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

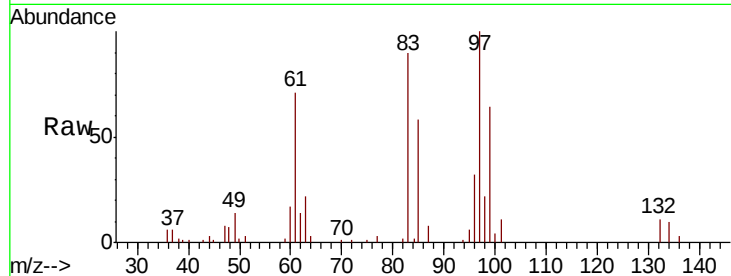




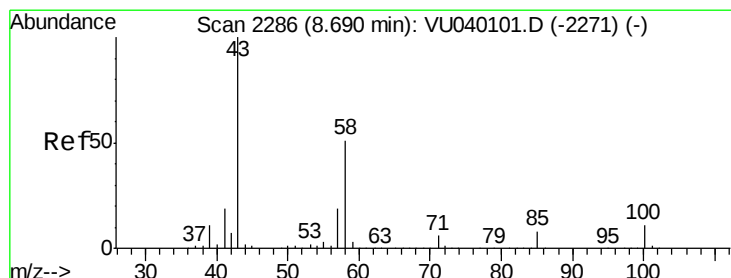
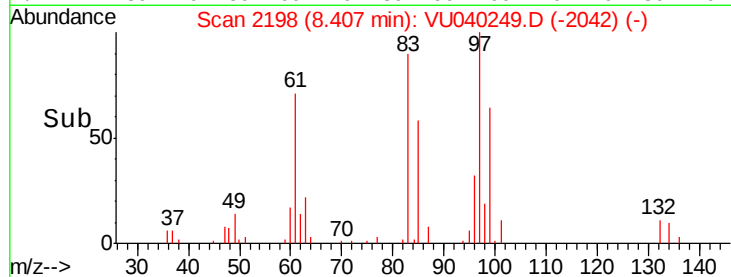
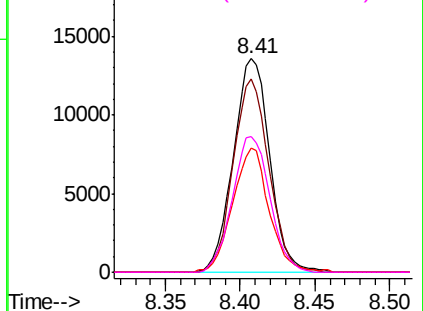
#52
 1,1,2-Trichloroethane
 Concen: 1.904 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Instrument :
 MSVOA_V
 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

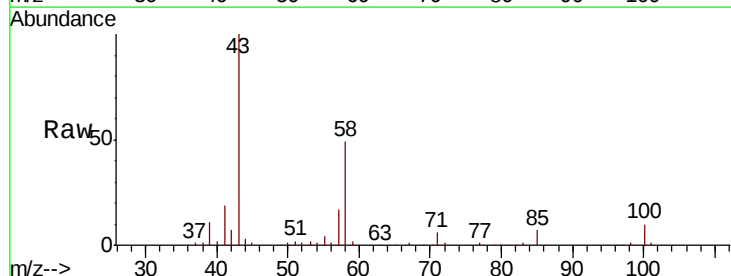


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

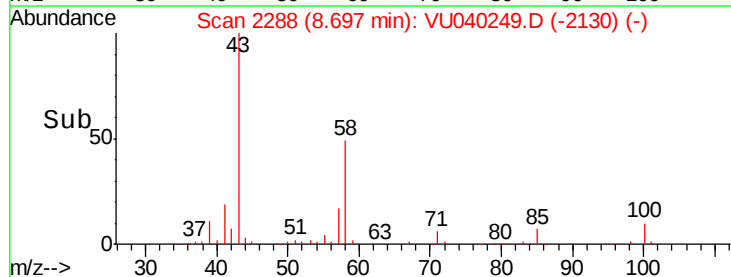
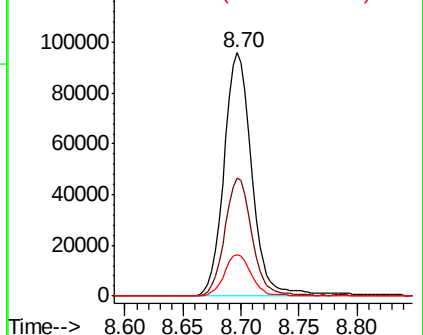


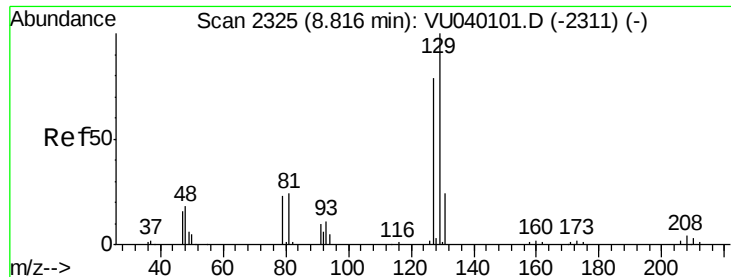
#54
 2-Hexanone
 Concen: 9.099 ug/l
 RT: 8.70 min Scan# 2288
 Delta R.T. 0.01 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

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_V

ClientSampleId :

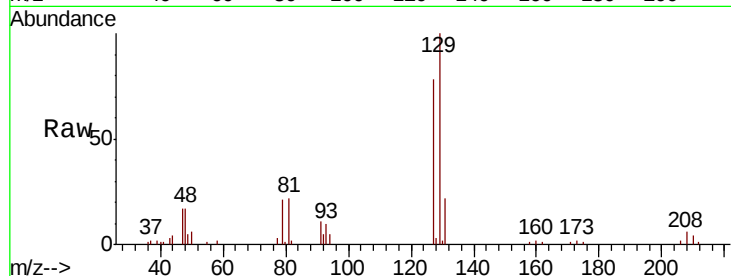
VU0922WBS01

Tot Ion:129 Resp: 27271

Ion Ratio Lower Upper

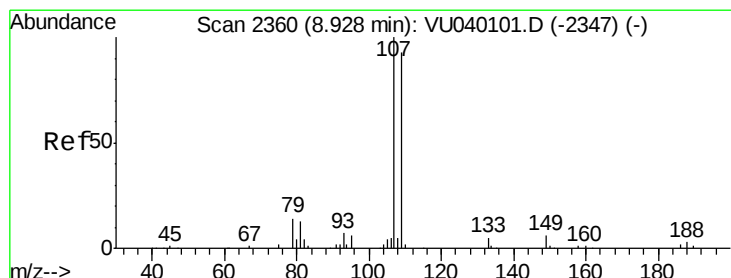
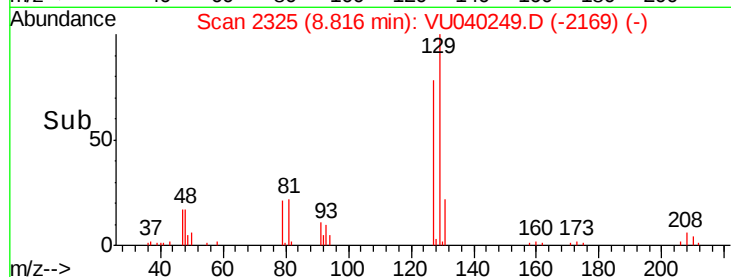
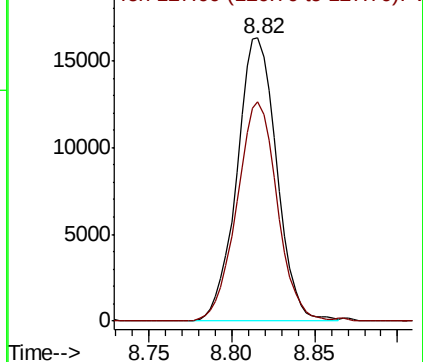
129 100

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

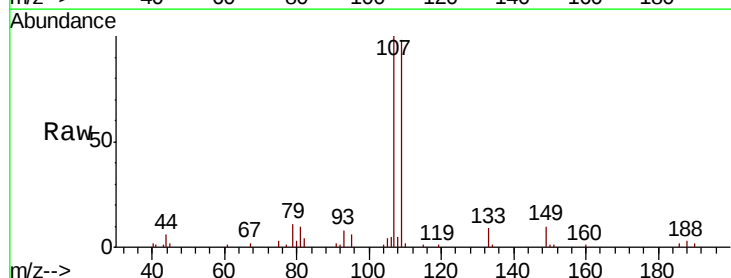
Acq: 22 Sep 2020 16:04

Tgt Ion:107 Resp: 21857

Ion Ratio Lower Upper

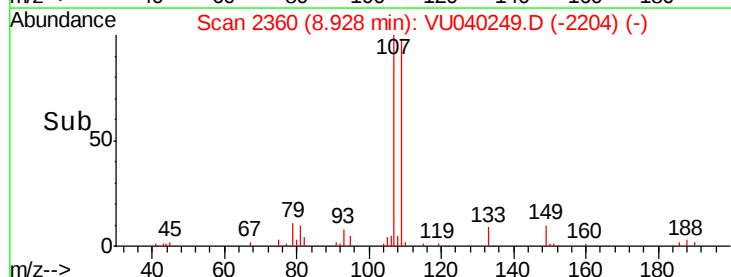
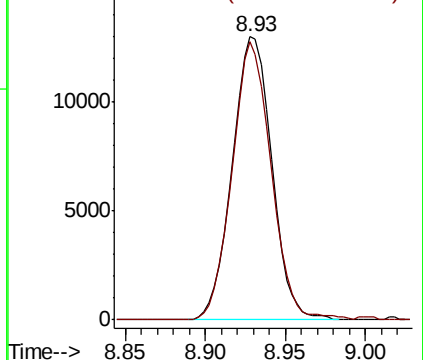
107 100

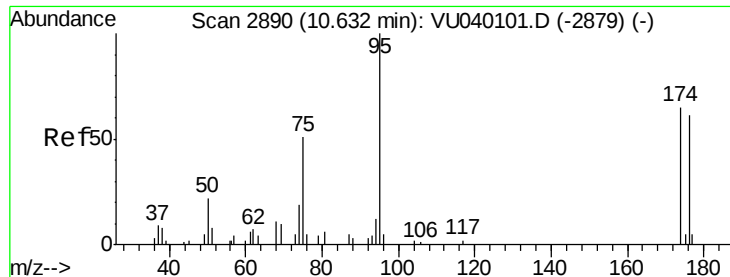
109 97.2 0.0 191.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

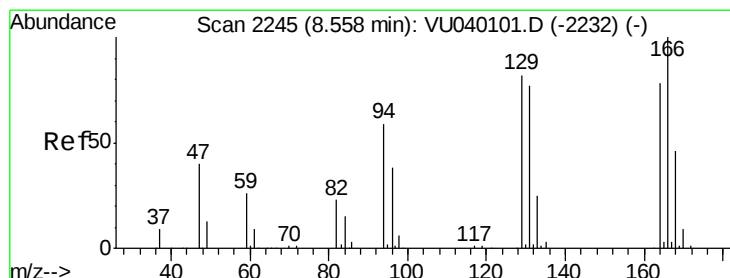
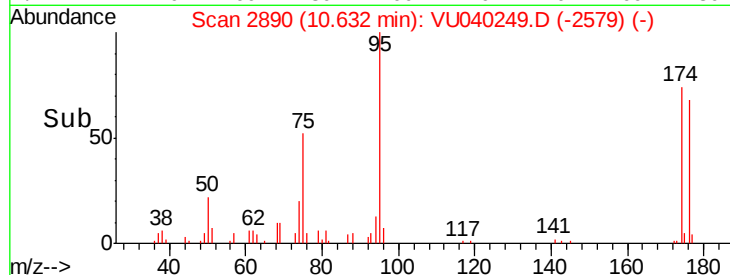
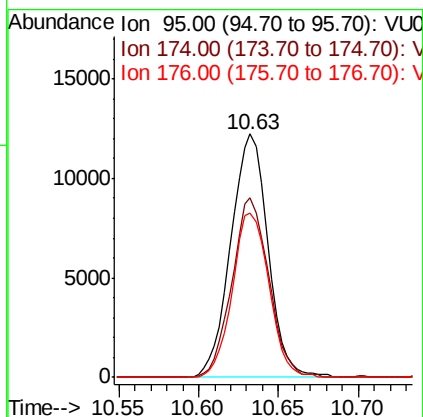
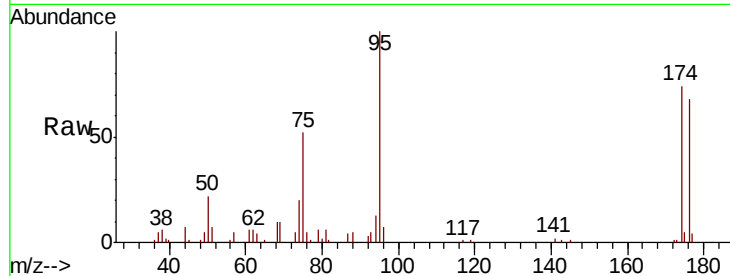




#57
4-Bromofluorobenzene
Concen: 0.943 ug/l
RT: 10.63 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

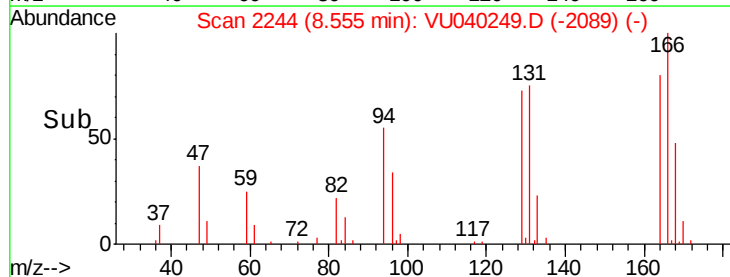
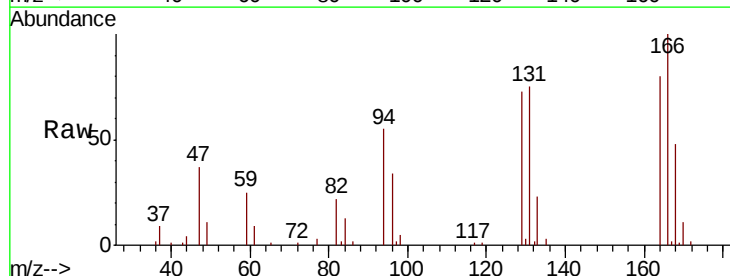
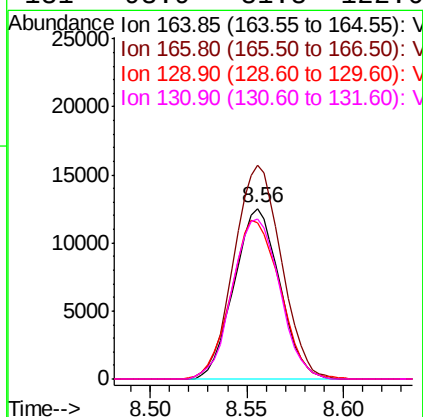
Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

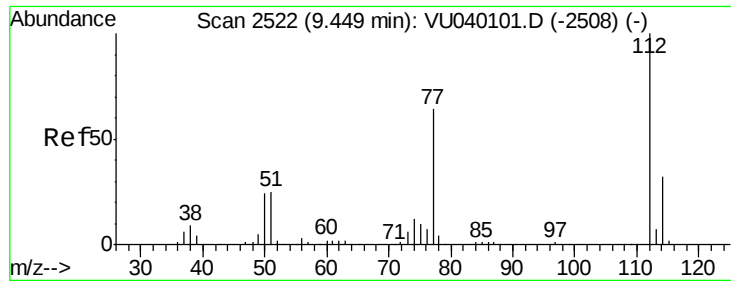
Tot Ion	95	Resp	19335
Ion Ratio	100	Lower	Upper
174	73.1	49.4	74.0
176	66.4	50.1	75.1



#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 <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
166	125.3	101.3	151.9
129	90.8	84.8	127.2
131	93.9	81.8	122.6





#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_V

ClientSampleId :

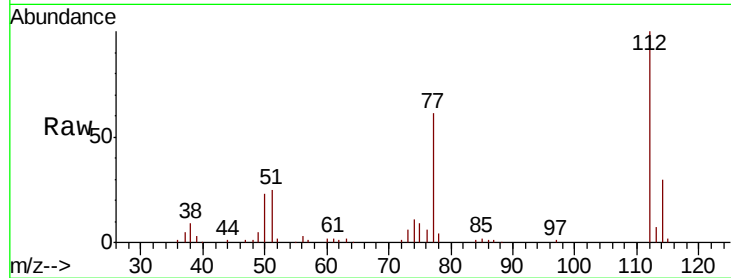
VU0922WBS01

Tot Ion:112 Resp: 72771

Ion Ratio Lower Upper

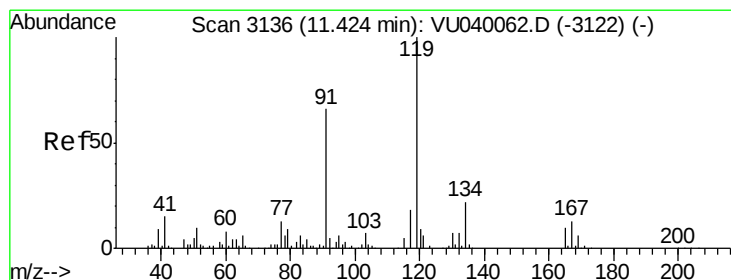
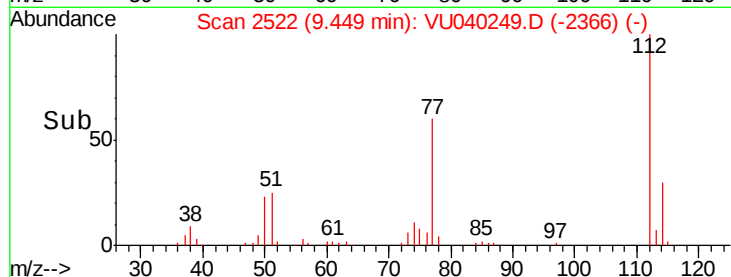
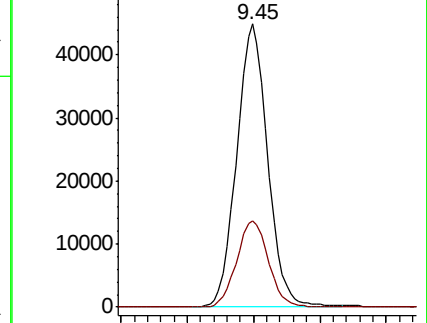
112 100

114 30.4 24.8 37.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#61

Pentachloroethane

Concen: 1.821 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. 0.04 min

Lab File: VU040249.D

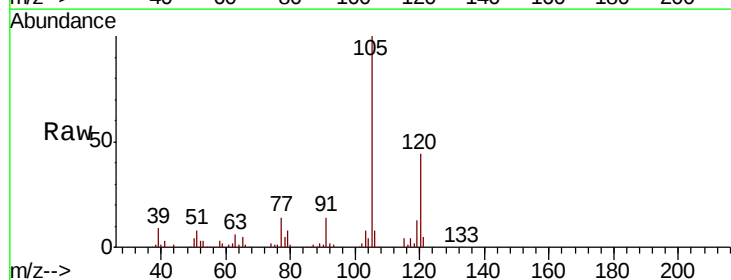
Acq: 22 Sep 2020 16:04

Tgt Ion:117 Resp: 3535

Ion Ratio Lower Upper

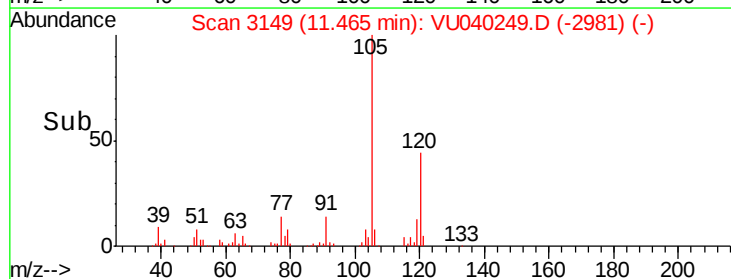
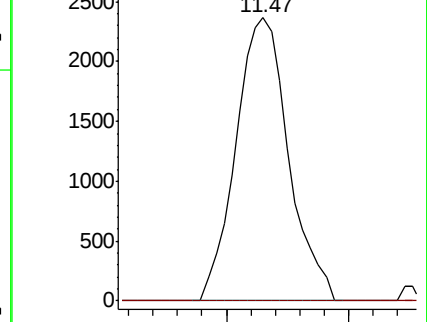
117 100

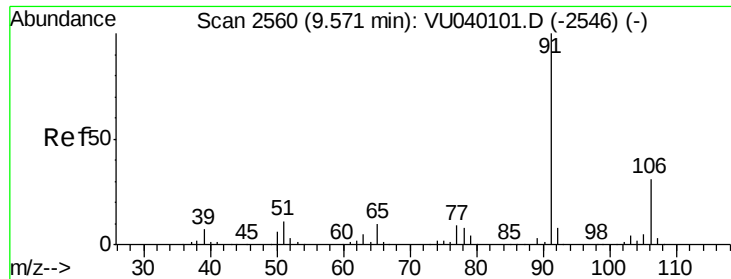
167 0.0 54.5 81.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V

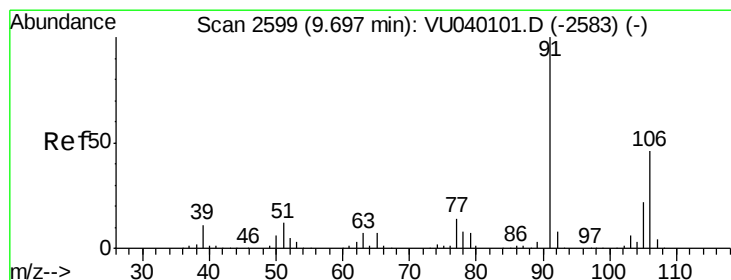
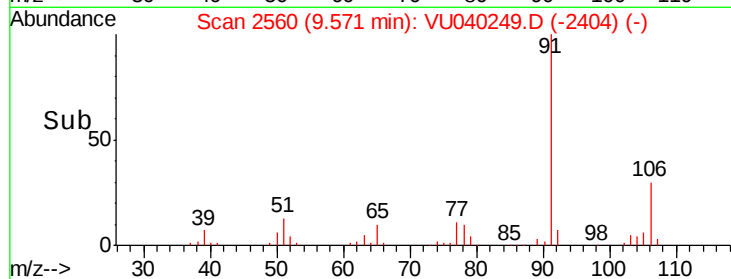
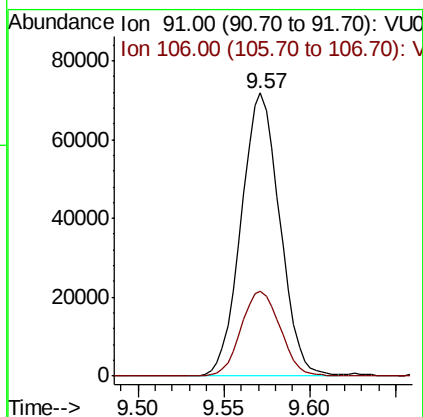
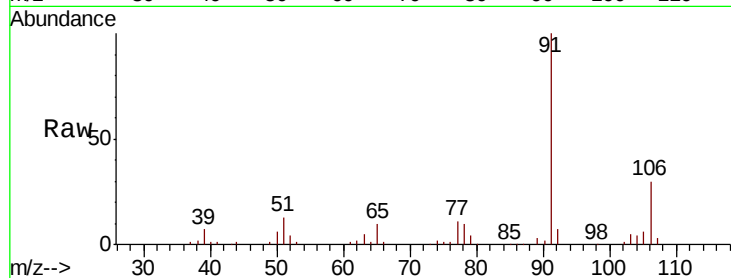




#63
Ethyl Benzene
Concen: 1.842 ug/l
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

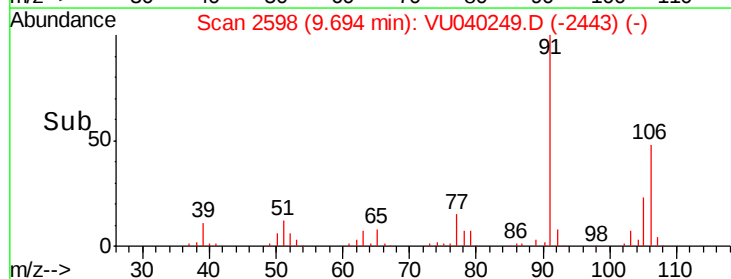
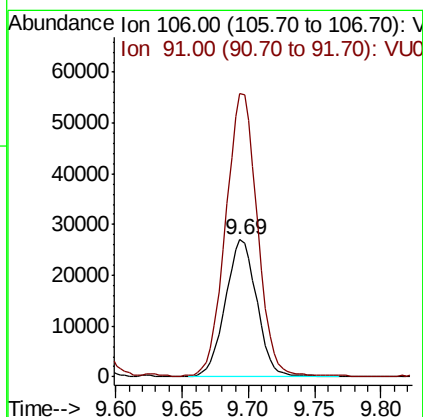
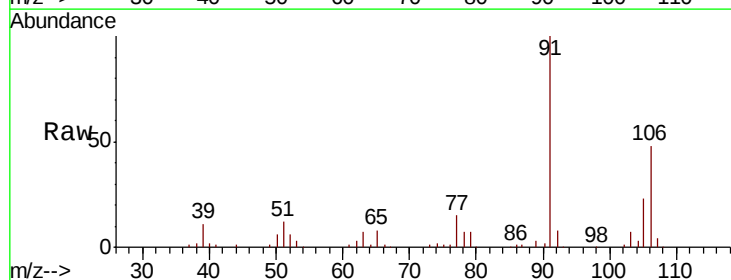
Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

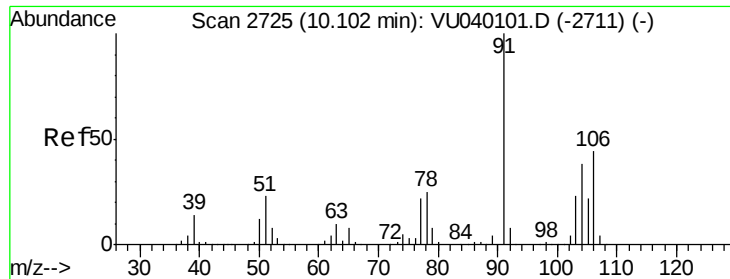
Tot Ion: 91 Resp: 112428
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8



#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

Tgt Ion: 106 Resp: 44631
Ion Ratio Lower Upper
106 100
91 206.2 171.4 257.2

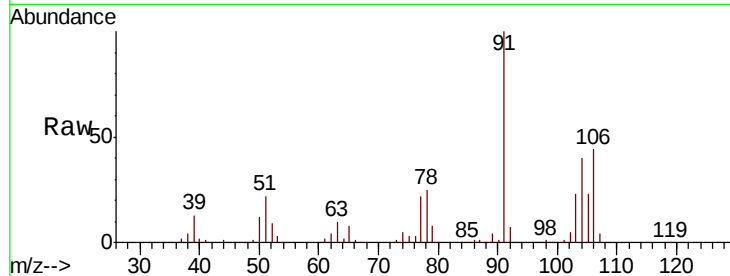




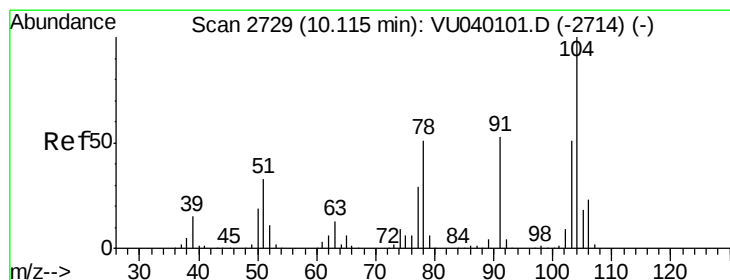
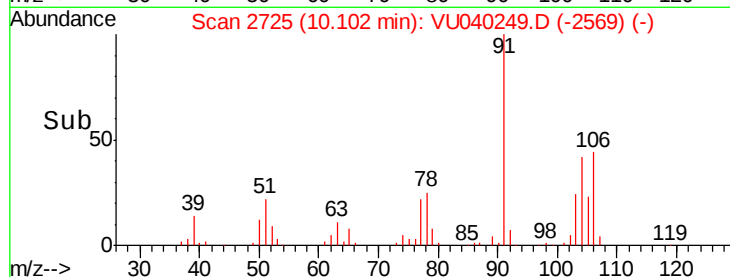
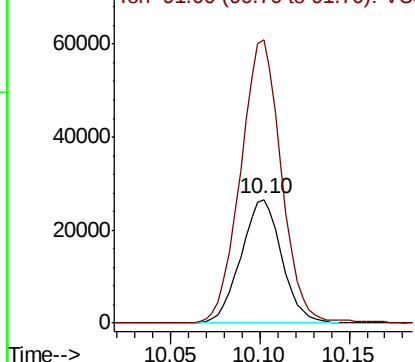
#65
o-Xylene
Concen: 1.904 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

Instrument :
MSVOA_V
ClientSampleId :
VU0922WBS01

Tot Ion:106 Resp: 42345
Ion Ratio Lower Upper
106 100
91 229.8 114.2 342.6

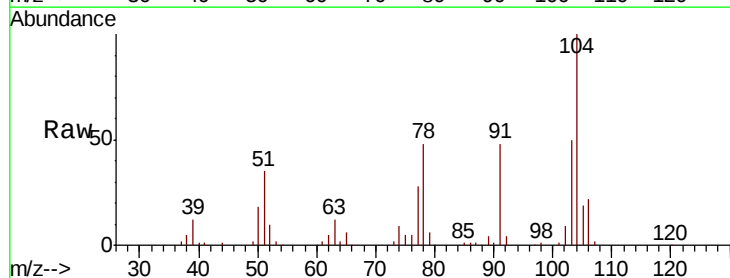


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

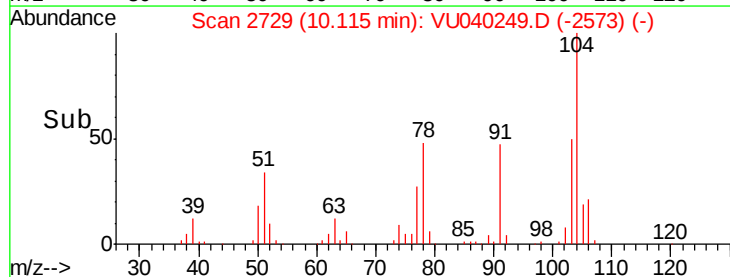
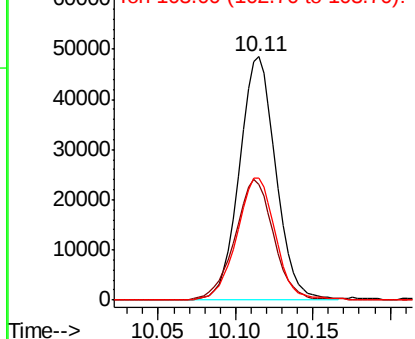


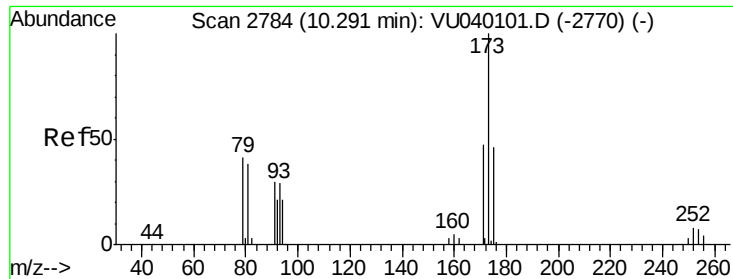
#66
Styrene
Concen: 2.005 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040249.D
Acq: 22 Sep 2020 16:04

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



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

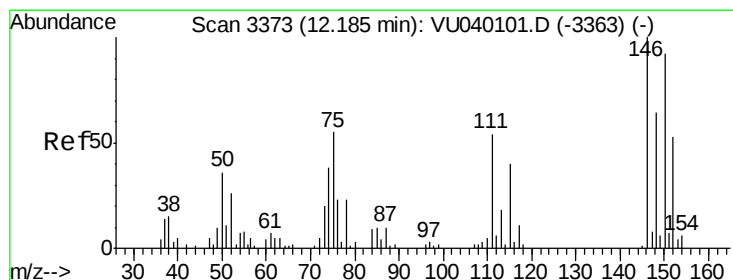
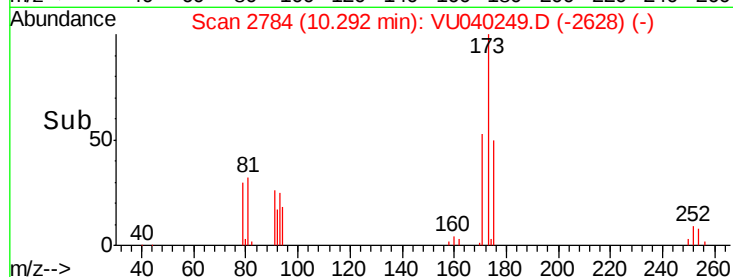
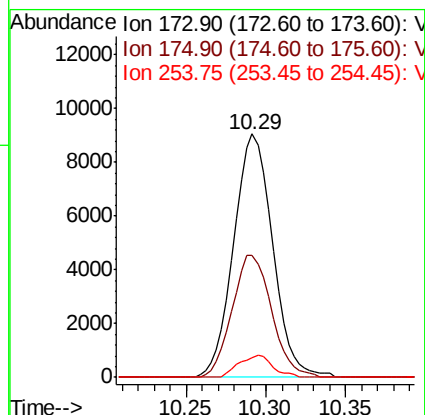
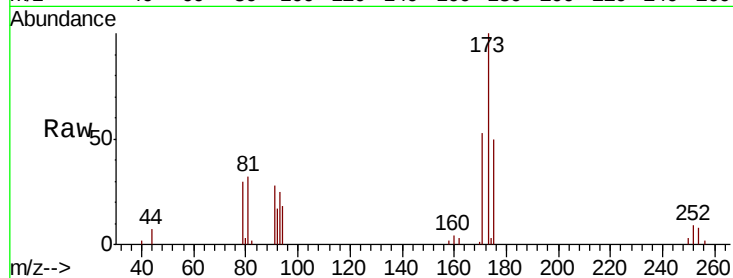




#67
 Bromoform
 Concen: 2.048 ug/l
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

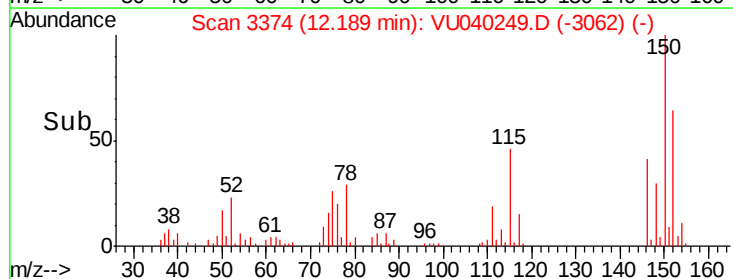
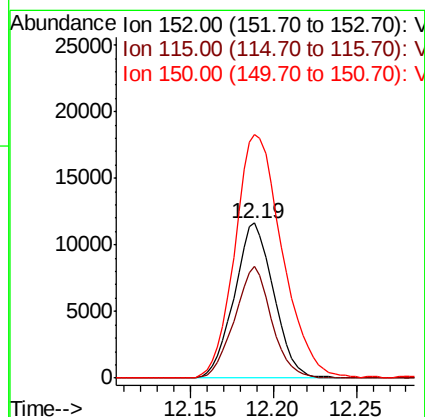
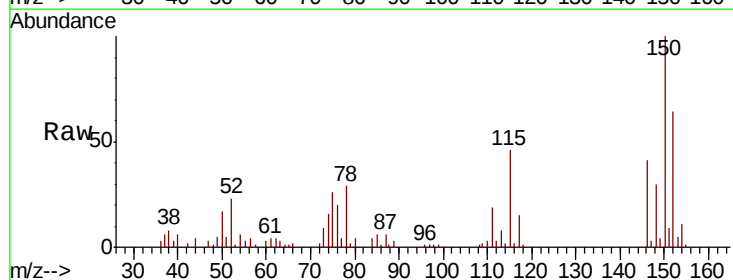
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

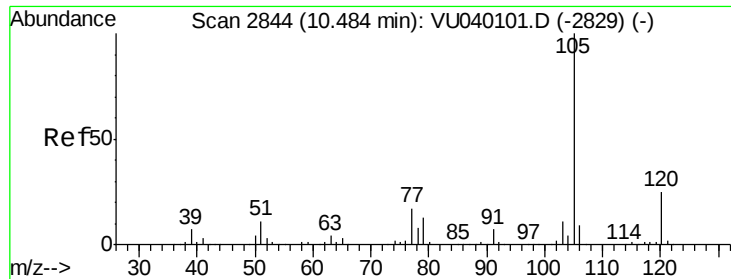
Tot Ion:173 Resp: 15025
 Ion Ratio Lower Upper
 173 100
 175 50.9 38.0 57.0
 254 7.8 5.8 8.8



#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

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





#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

Instrument :

MSVOA_V

ClientSampleId :

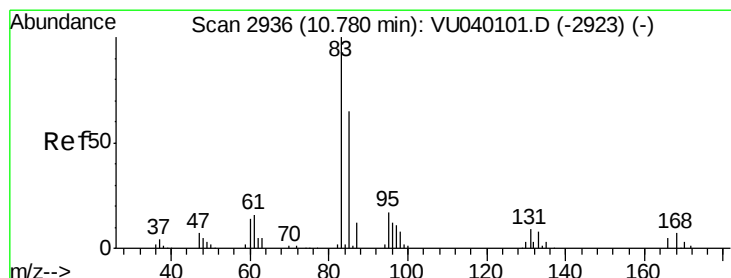
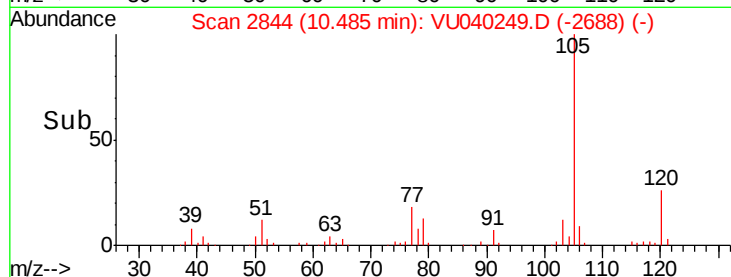
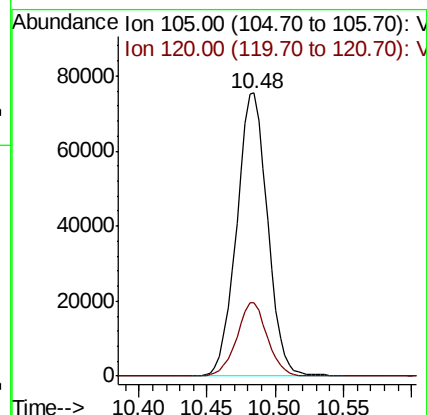
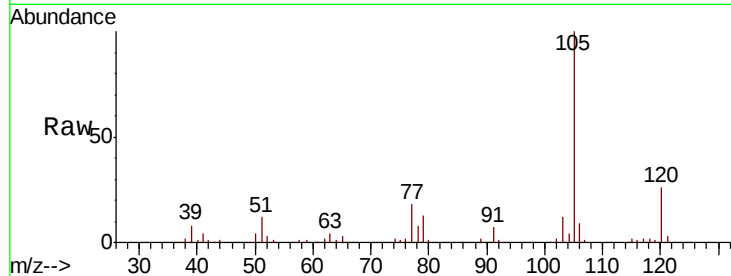
VU0922WBS01

Tot Ion:105 Resp: 118624

Ion Ratio Lower Upper

105 100

120 25.6 12.4 37.4



#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

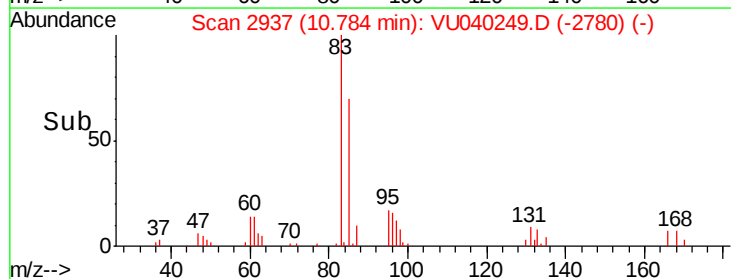
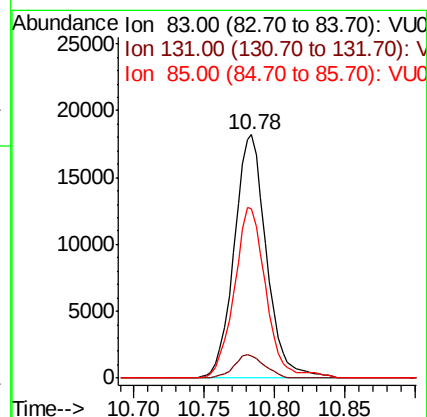
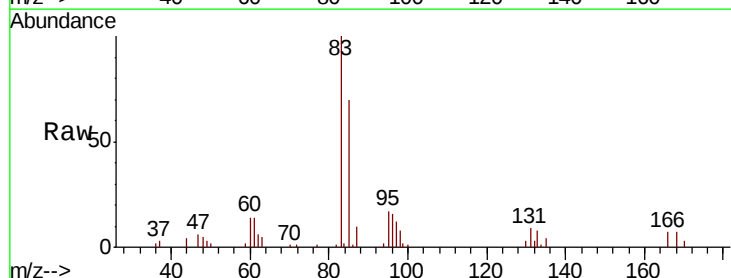
Tgt Ion: 83 Resp: 29198

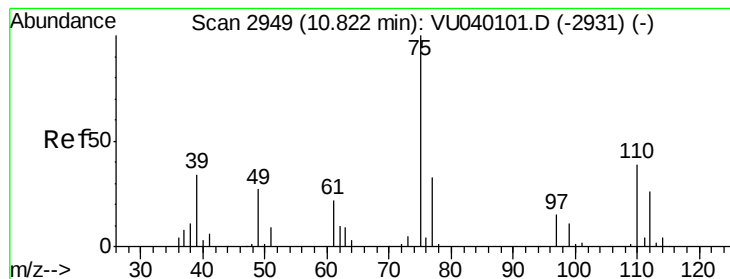
Ion Ratio Lower Upper

83 100

131 9.1 7.5 11.3

85 69.0 49.7 74.5





#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

Instrument :

MSVOA_V

ClientSampleId :

VU0922WBS01

Tot Ion: 75 Resp: 22519

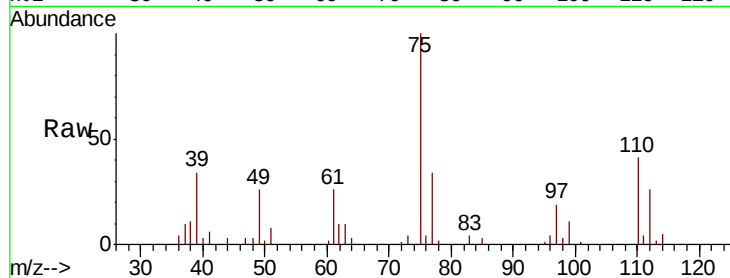
Ion Ratio Lower Upper

75 100

77 35.5 0.0 111.4

110 39.5 0.0 70.8

97 17.6 0.0 36.0

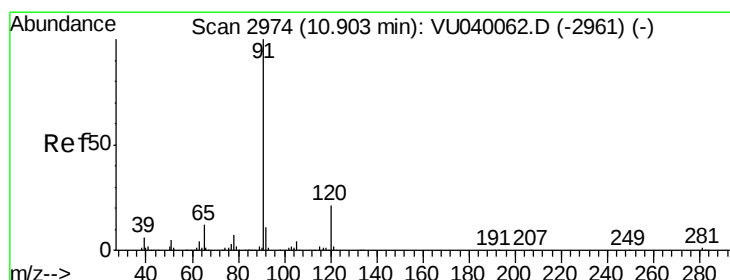
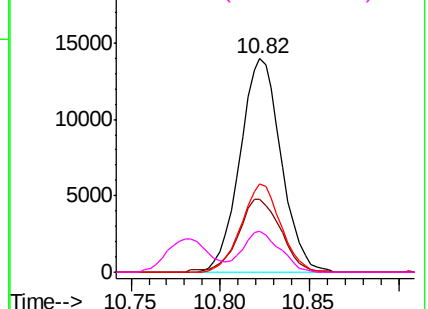
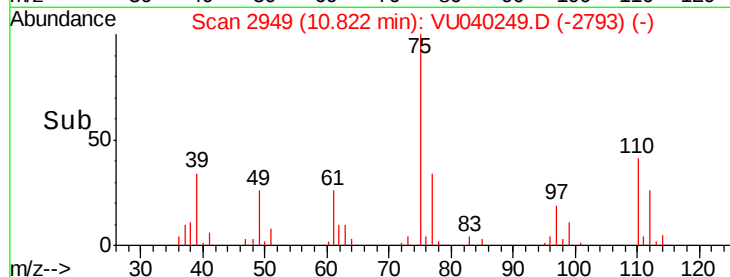


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#73

n-propylbenzene

Concen: 1.829 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.18 min

Lab File: VU040249.D

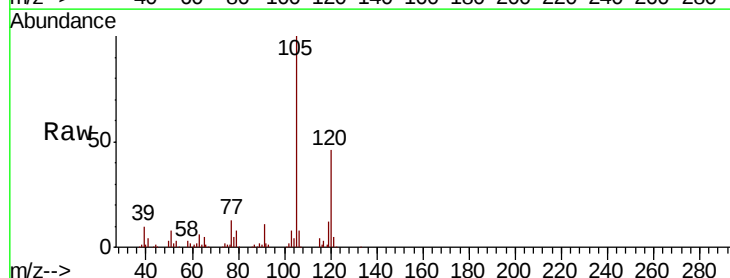
Acq: 22 Sep 2020 16:04

Tgt Ion: 120 Resp: 45762

Ion Ratio Lower Upper

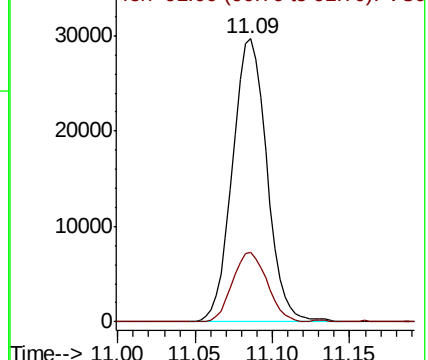
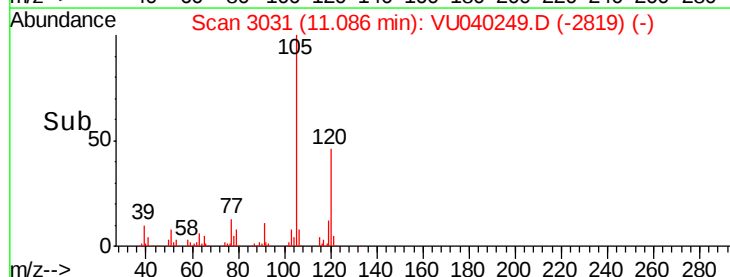
120 100

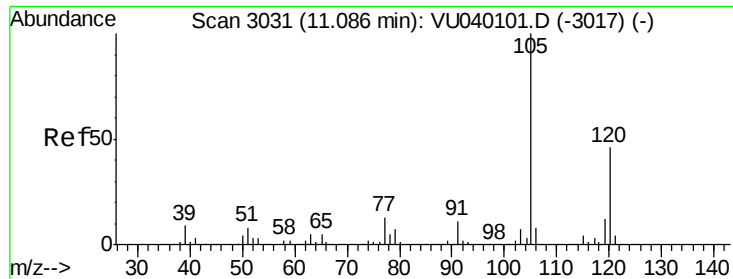
91 24.8 380.4 570.6#



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#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_V

ClientSampleId :

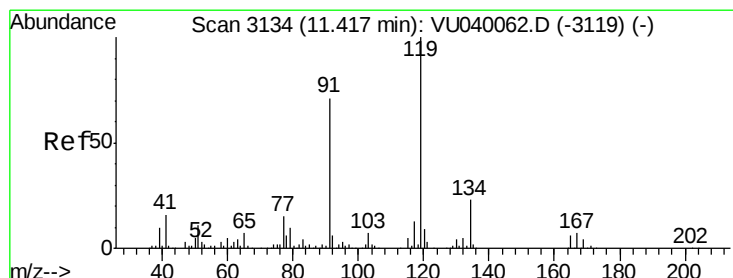
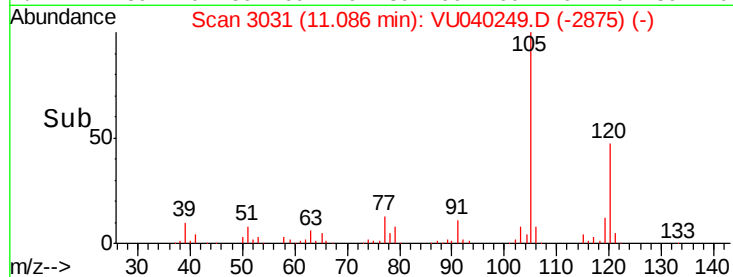
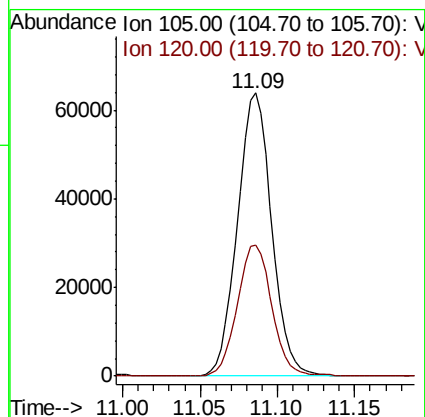
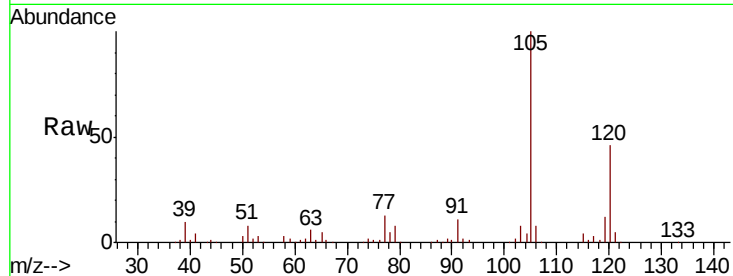
VU0922WBS01

Tot Ion:105 Resp: 98014

Ion Ratio Lower Upper

105 100

120 46.7 36.6 55.0



#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

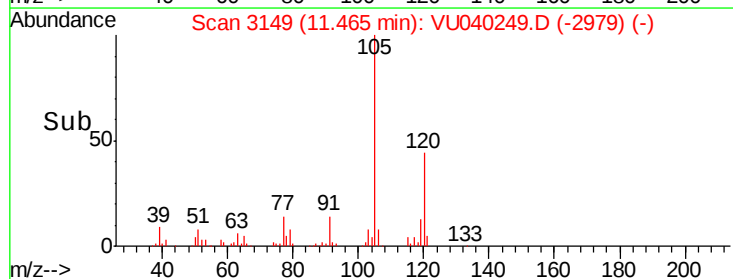
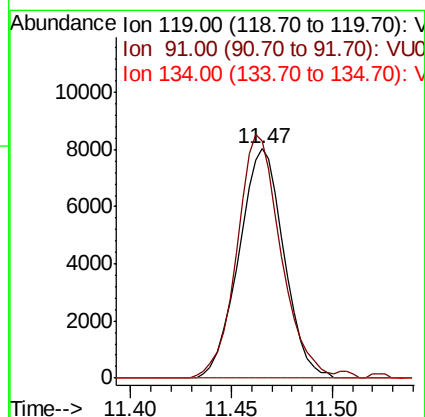
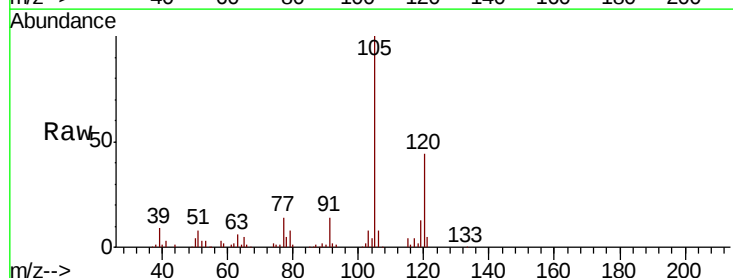
Tgt Ion:119 Resp: 12534

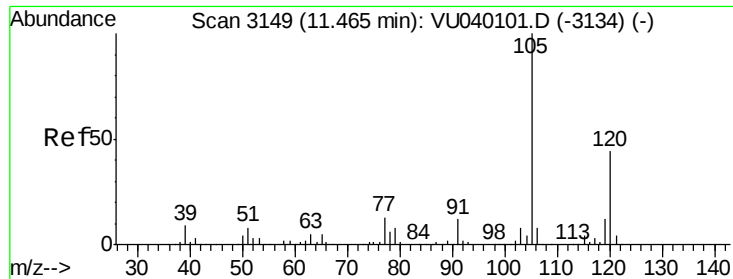
Ion Ratio Lower Upper

119 100

91 104.1 34.2 102.5#

134 0.0 18.2 27.4#





#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_V

ClientSampled :

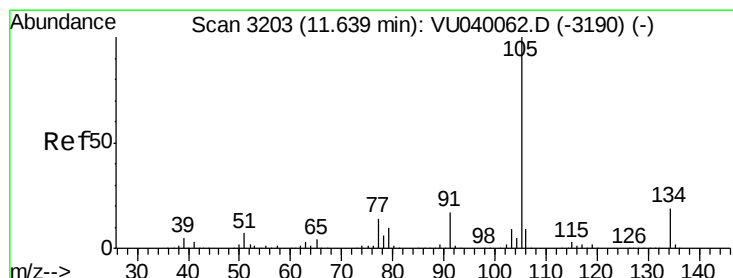
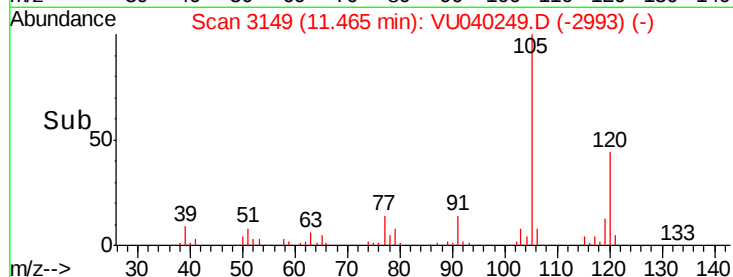
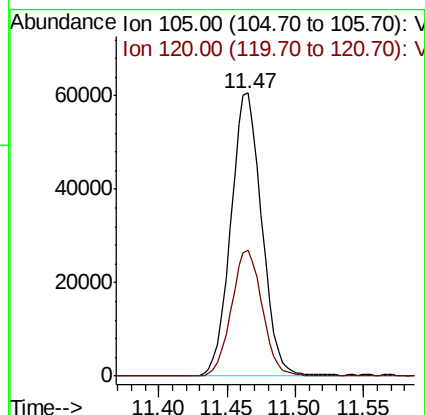
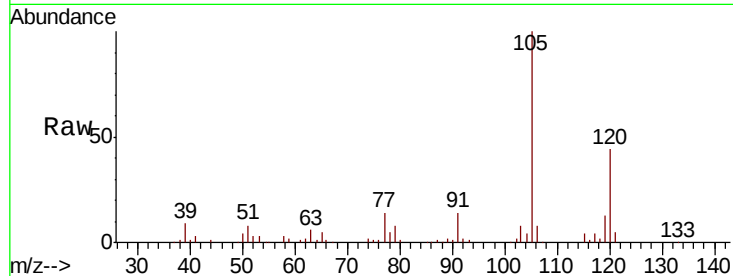
VU0922WBS01

Tot Ion:105 Resp: 95594

Ion Ratio Lower Upper

105 100

120 44.3 21.9 65.5



#79

sec-Butylbenzene

Concen: 1.790 ug/l

RT: 11.47 min Scan# 3149

Delta R.T. -0.17 min

Lab File: VU040249.D

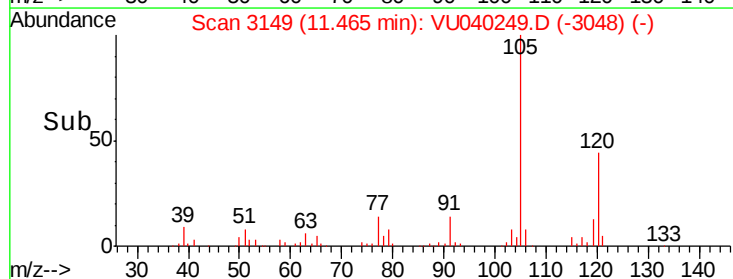
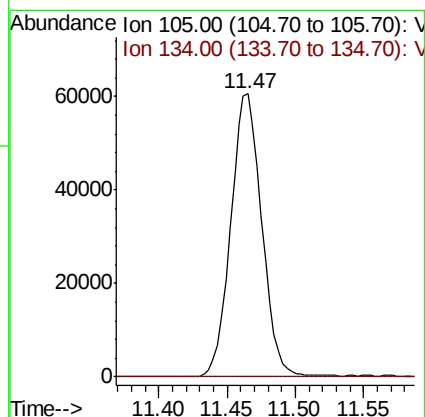
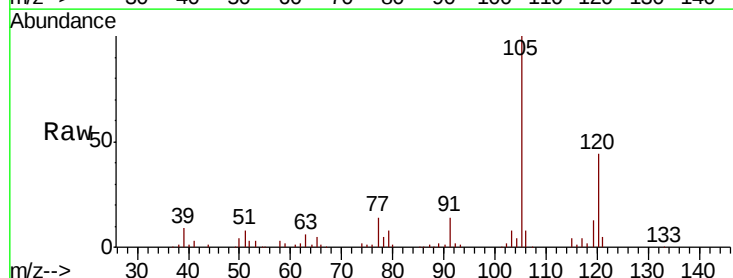
Acq: 22 Sep 2020 16:04

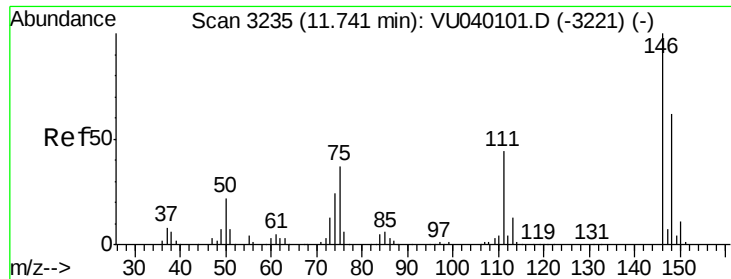
Tgt Ion:105 Resp: 95594

Ion Ratio Lower Upper

105 100

134 0.0 15.0 22.4#

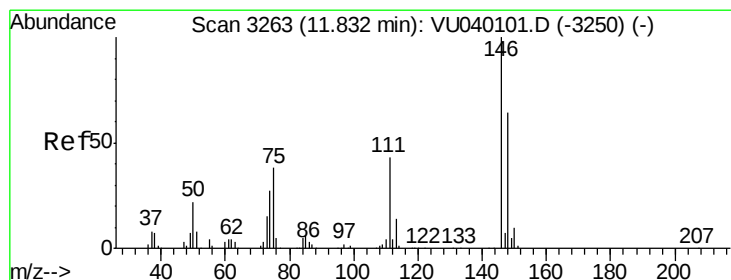
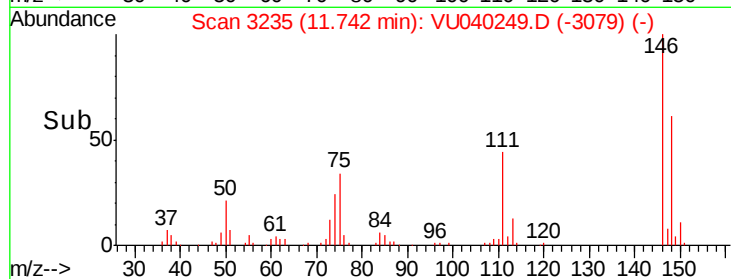
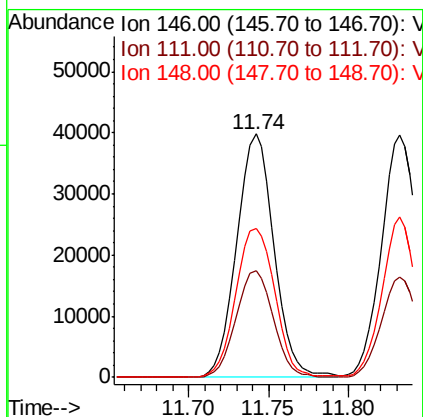
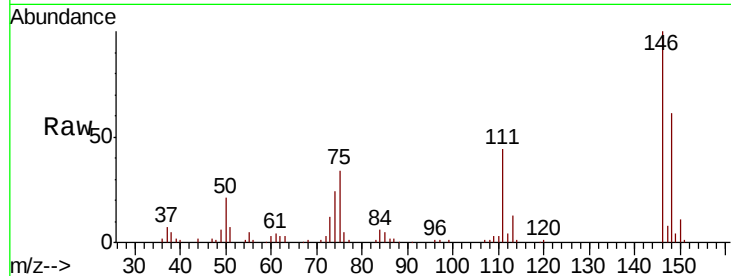




#82
 1,3-Dichlorobenzene
 Concen: 2.034 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

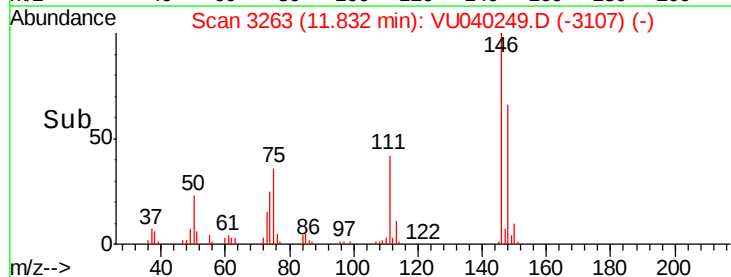
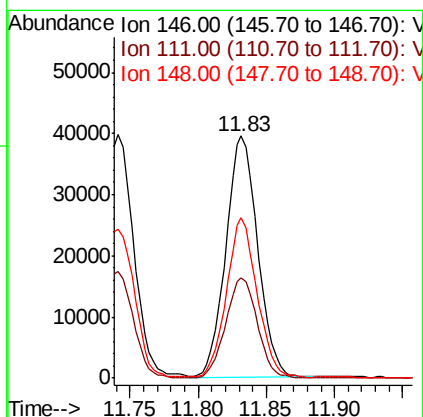
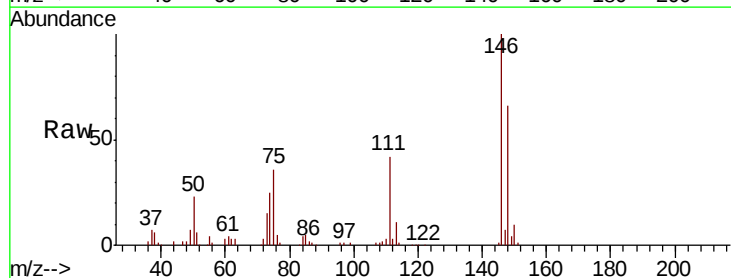
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

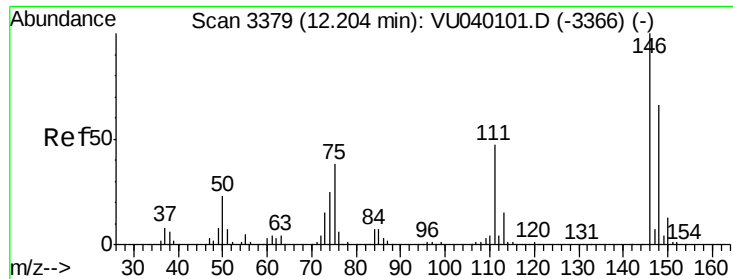
Tot Ion:146 Resp: 63169
 Ion Ratio Lower Upper
 146 100
 111 43.8 35.4 53.0
 148 63.9 49.7 74.5



#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

Tgt 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

Instrument :

MSVOA_V

ClientSampleId :

VU0922WBS01

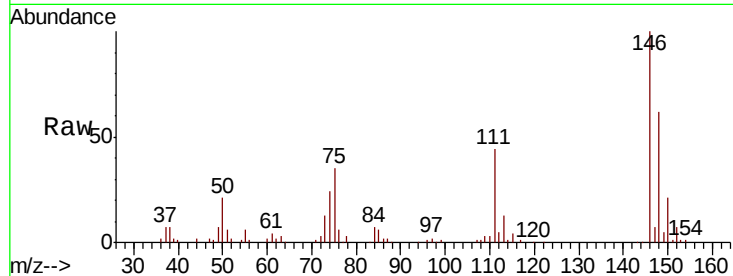
Tot Ion:146 Resp: 61043

Ion Ratio Lower Upper

146 100

111 43.1 22.9 68.7

148 61.7 31.1 93.2

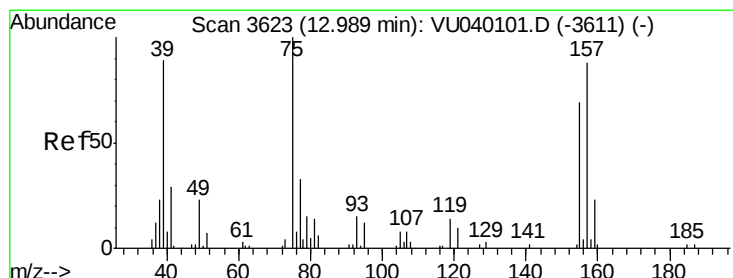
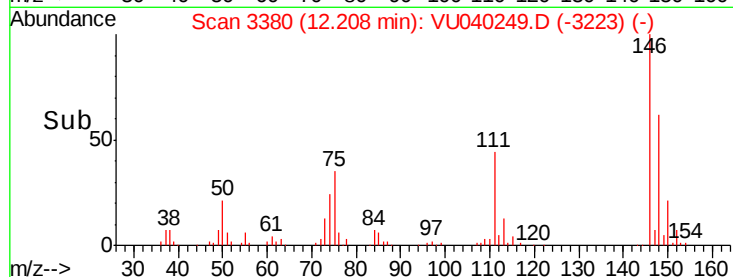
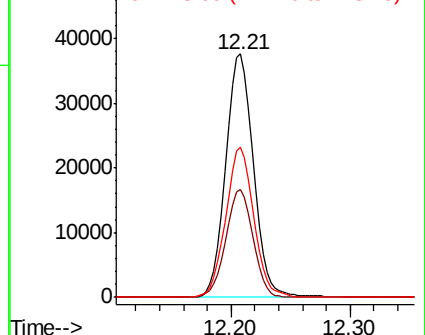


Abundance

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



#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

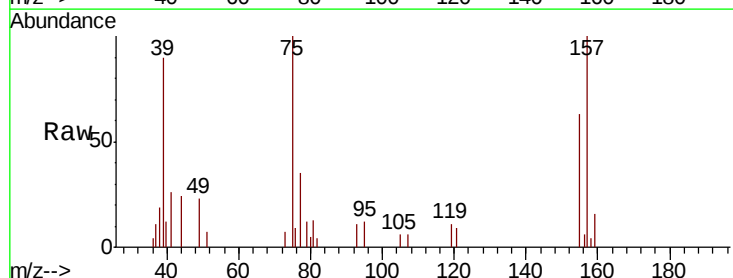
Tgt Ion: 75 Resp: 5075

Ion Ratio Lower Upper

75 100

155 63.2 53.4 80.0

157 95.1 65.8 98.8

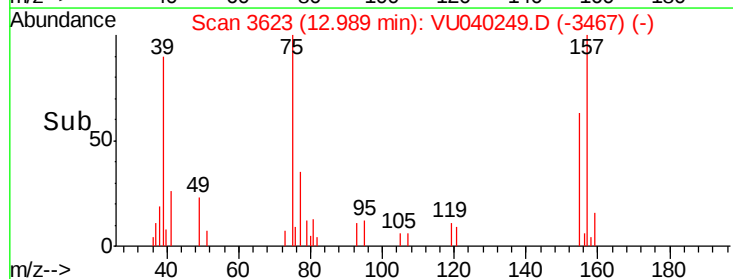
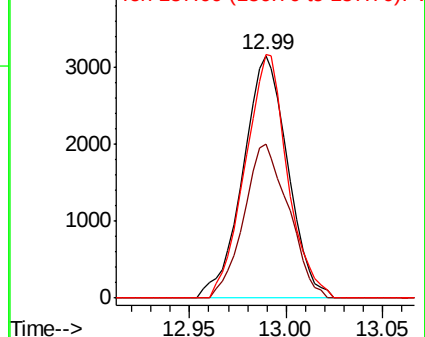


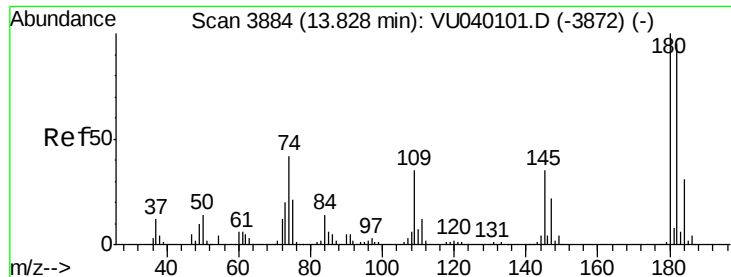
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

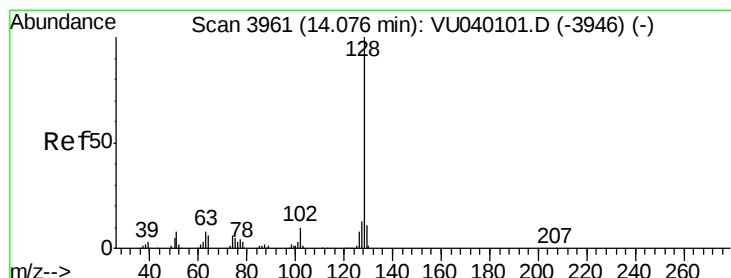
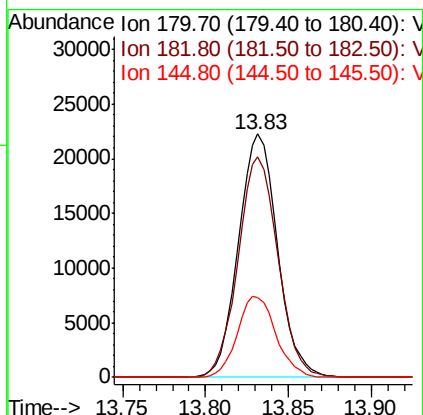
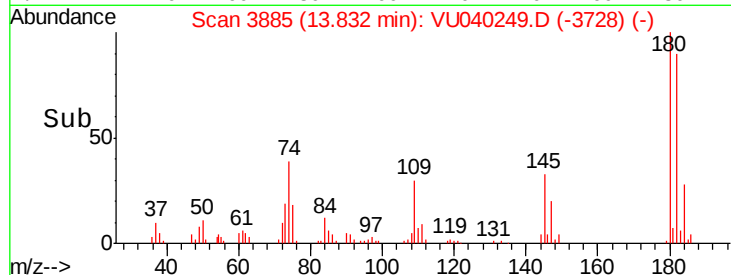
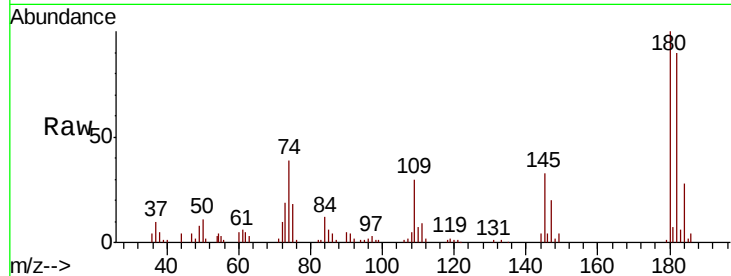




#87
 1,2,4-Trichlorobenzene
 Concen: 2.195 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

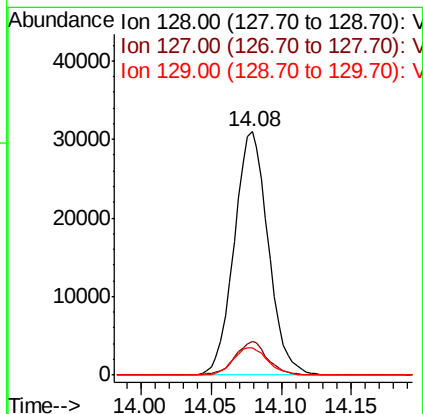
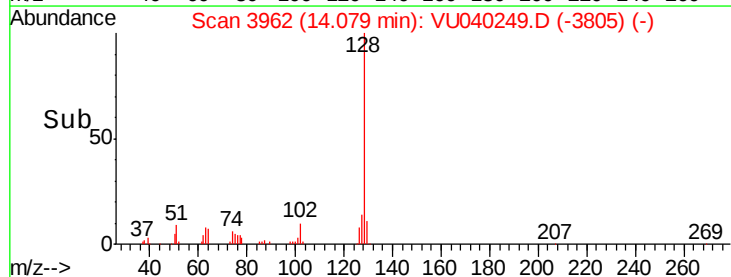
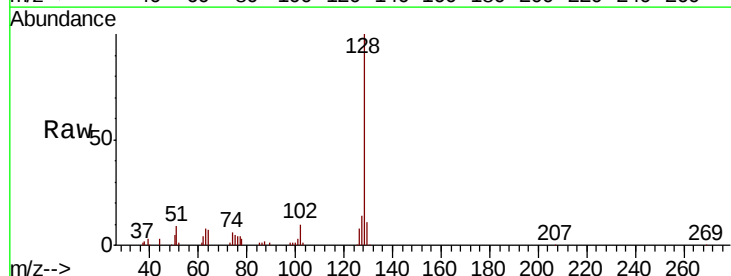
Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

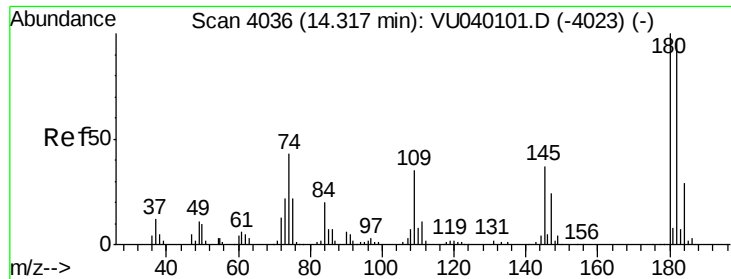
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.0	112.4
145	32.7	27.7	41.5



#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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.5	8.3	12.5

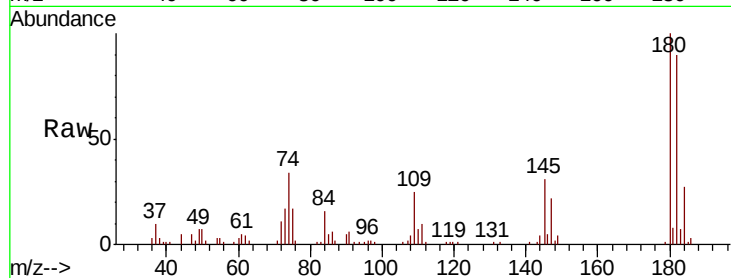




#90
 1,2,3-Trichlorobenzene
 Concen: 2.097 ug/l
 RT: 14.32 min Scan# 4037
 Delta R.T. 0.00 min
 Lab File: VU040249.D
 Acq: 22 Sep 2020 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VU0922WBS01

Tot 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

