

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041453.D
 Acq On : 03 Dec 2020 16:44
 Operator : SY/MD
 Sample : VSTD00501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Quant Time: Dec 04 01:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	59666	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59730	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32818	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15671	3.89	ug/L	0.00
7) Chloroethane-d5	1.92	69	13983	4.73	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	37830	4.69	ug/L	0.00
20) 2-Butanone-d5	4.65	46	48903	46.25	ug/L	0.00
24) Chloroform-d	5.08	84	41324	4.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	26572	5.19	ug/L	0.00
32) Benzene-d6	5.74	84	63165	4.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	18748	4.20	ug/L	0.00
41) Toluene-d8	7.90	98	62404	4.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	10864	5.12	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	38646	55.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	17940	4.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	25569	4.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	31680	5.423	ug/L 100
3) Chloromethane	1.53	50	19691	4.182	ug/L 100
5) Vinyl chloride	1.61	62	21832	4.309	ug/L 100
6) Bromomethane	1.87	94	14763	6.869	ug/L 100
8) Chloroethane	1.94	64	14064	4.747	ug/L 100
9) Trichlorofluoromethane	2.15	101	50614	5.987	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	21743	5.247	ug/L 100
12) 1,1-Dichloroethene	2.59	96	18559	5.083	ug/L 100
13) Acetone	2.66	43	43531	58.138	ug/L 100
14) Carbon disulfide	2.81	76	50347	4.121	ug/L 100
15) Methyl Acetate	2.97	43	8186	4.935	ug/L 100
16) Methylene chloride	3.06	84	21918	4.244	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	54767	5.798	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	18635	4.741	ug/L 100
19) 1,1-Dichloroethane	3.89	63	36191	4.642	ug/L 100
21) 2-Butanone	4.73	43	57397	50.147	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	21311	5.039	ug/L 100
23) Bromochloromethane	4.99	128	10389	5.542	ug/L 100
25) Chloroform	5.11	83	45482	5.166	ug/L 100
27) 1,2-Dichloroethane	5.81	62	33476	5.714	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	43775	5.721	ug/L 100
30) Cyclohexane	5.40	56	26864	4.432	ug/L 100
31) Carbon tetrachloride	5.54	117	41387	5.962	ug/L 100
33) Benzene	5.79	78	78192	4.934	ug/L 100
34) Trichloroethene	6.55	95	22898	5.270	ug/L 100
35) Methylcyclohexane	6.77	83	31182	5.015	ug/L 100
37) 1,2-Dichloropropane	6.80	63	19716	4.643	ug/L 100
38) Bromodichloromethane	7.11	83	33172	5.514	ug/L 100
39) cis-1,3-Dichloropropene	7.61	75	32067	5.312	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	137850	51.724	ug/L 100

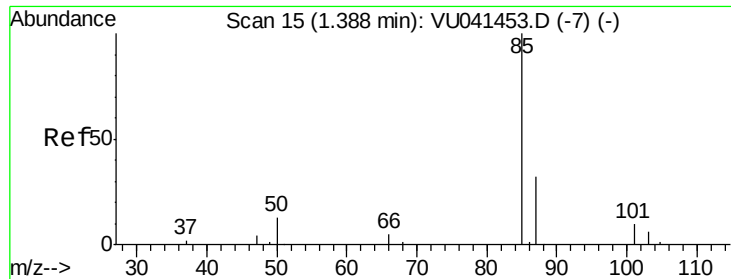
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120320\
 Data File : VU041453.D
 Acq On : 03 Dec 2020 16:44
 Operator : SY/MD
 Sample : VSTD00501
 Misc : 25.0mL/MSVOA U/WATER
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Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Quant Time: Dec 04 01:54:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 04 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	90231	5.330	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	32217	5.767	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	16093	5.303	ug/L	100
47) Tetrachloroethene	8.56	164	17913	5.460	ug/L	100
48) 2-Hexanone	8.69	43	102532	52.170	ug/L	100
49) Dibromochloromethane	8.81	129	23627	5.947	ug/L	100
50) 1,2-Dibromoethane	8.93	107	16632	5.668	ug/L	100
51) Chlorobenzene	9.45	112	58757	5.306	ug/L	100
52) Ethylbenzene	9.57	91	100207	5.486	ug/L	100
53) m,p-Xylene	9.69	106	37374	5.599	ug/L	100
54) o-Xylene	10.10	106	35009	5.429	ug/L	100
55) Styrene	10.11	104	64315	5.916	ug/L	100
56) Isopropylbenzene	10.48	105	102092	5.828	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	19066	5.145	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	15531	5.365	ug/L	100
61) Bromoform	10.29	173	14229	5.900	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	50775	5.336	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	51040	5.405	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	48120	5.437	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4508	6.258	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	38280	5.622	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	31424	5.851	ug/L	100
69) Naphthalene	14.08	128	46296	5.528	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	28166	5.781	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.423 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

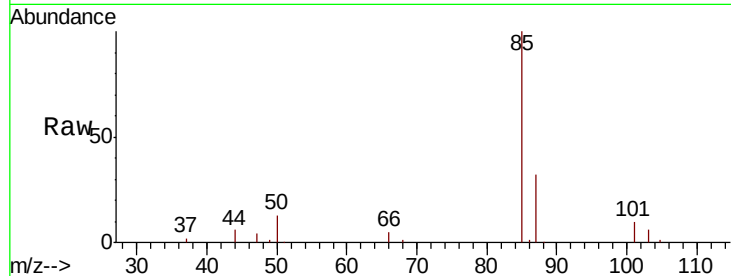
VSTD00501

Tot Ion: 85 Resp: 31680

Ion Ratio Lower Upper

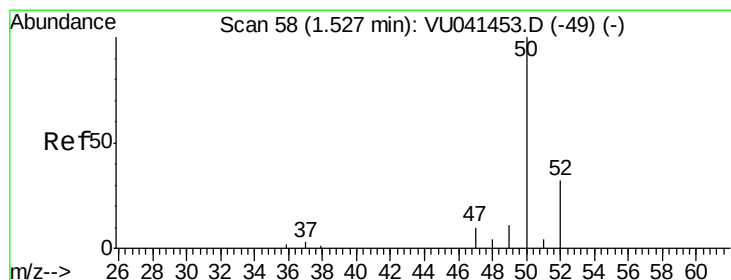
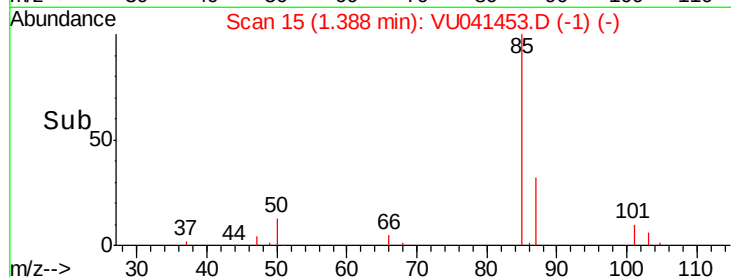
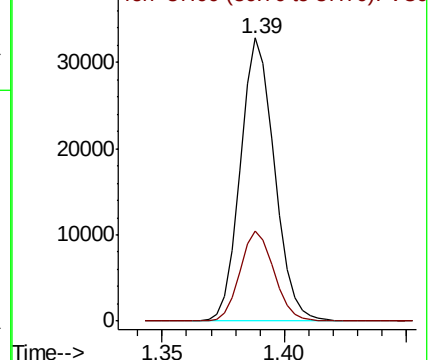
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.182 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041453.D

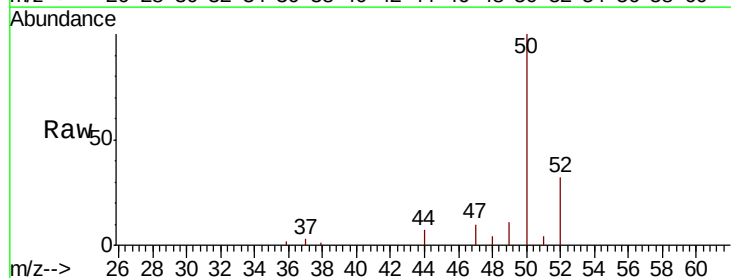
Acq: 03 Dec 2020 16:44

Tgt Ion: 50 Resp: 19691

Ion Ratio Lower Upper

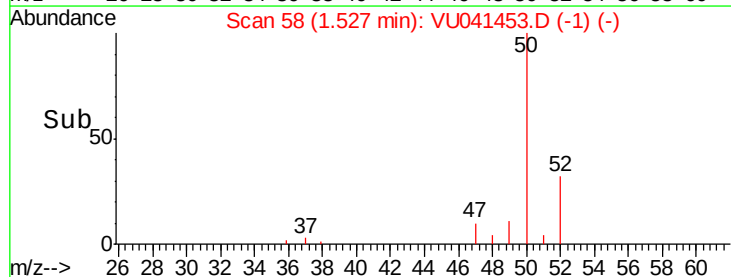
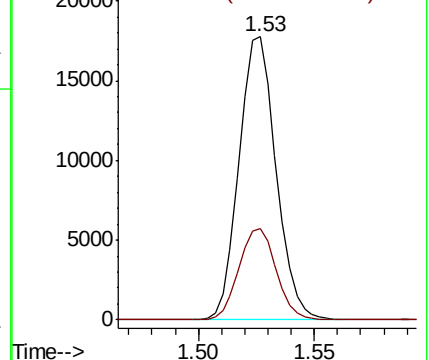
50 100

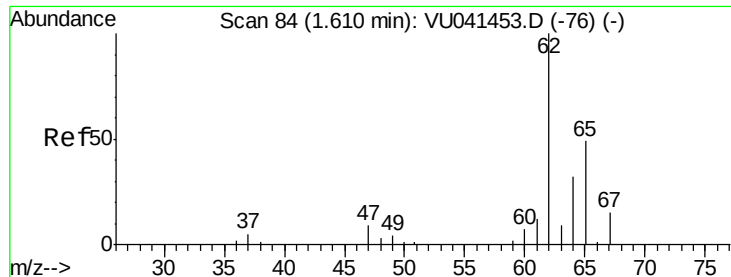
52 32.3 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.309 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampled :

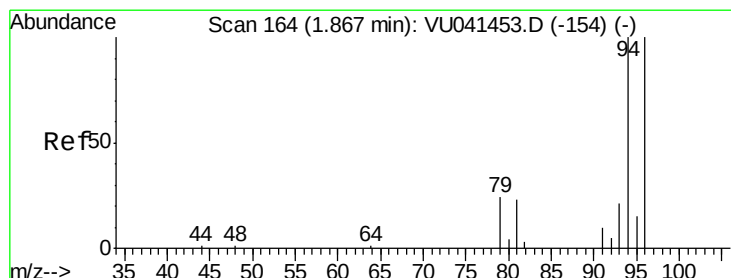
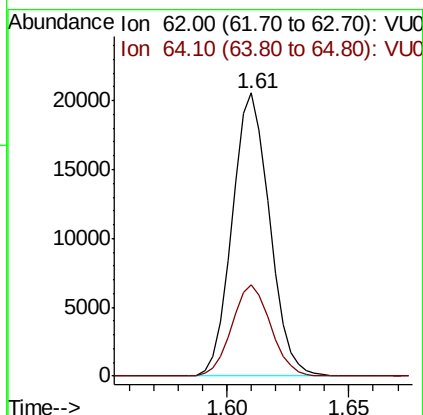
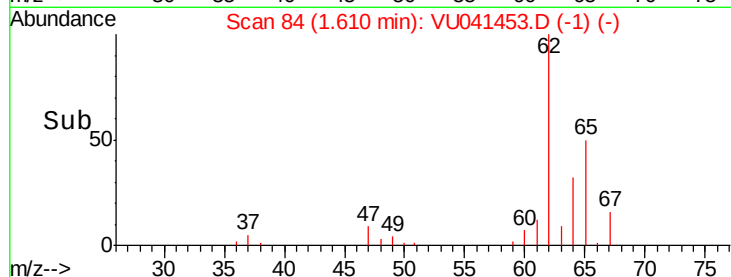
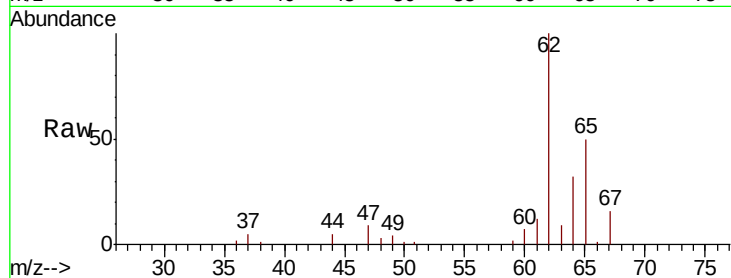
VSTD00501

Tot Ion: 62 Resp: 21832

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



#6

Bromomethane

Concen: 6.869 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041453.D

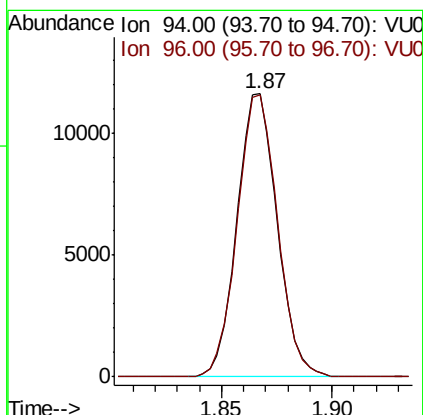
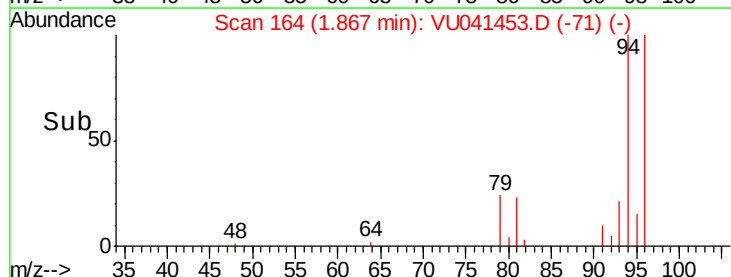
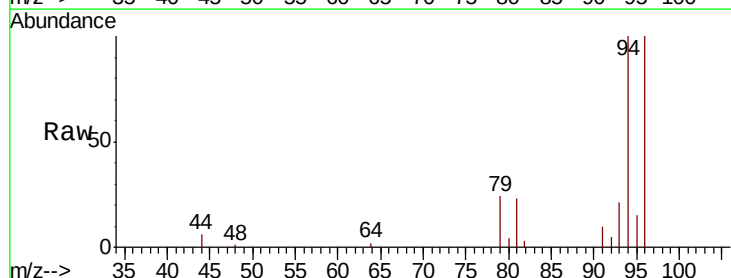
Acq: 03 Dec 2020 16:44

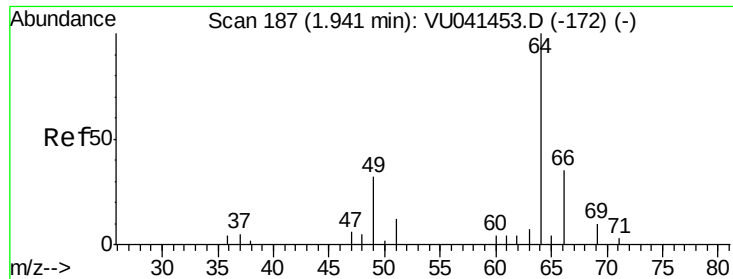
Tgt Ion: 94 Resp: 14763

Ion Ratio Lower Upper

94 100

96 99.8 69.9 129.7





#8

Chloroethane

Concen: 4.747 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

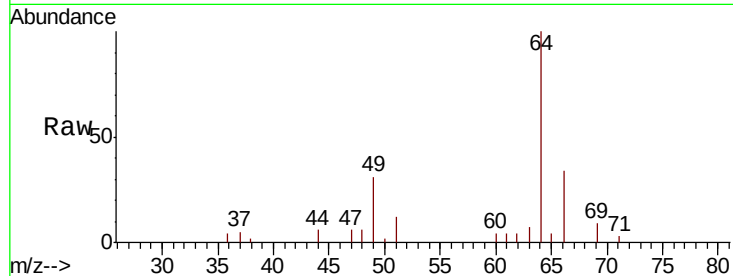
VSTD00501

Tot Ion: 64 Resp: 14064

Ion Ratio Lower Upper

64 100

66 34.4 24.1 44.7



Abundance Ion 64.10 (63.80 to 64.80): VU041453.D (-172) (-)

Ion 66.05 (65.75 to 66.75): VU041453.D (-172) (-)

1.94

12000

10000

8000

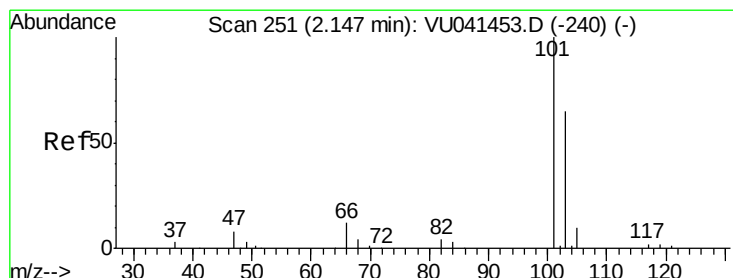
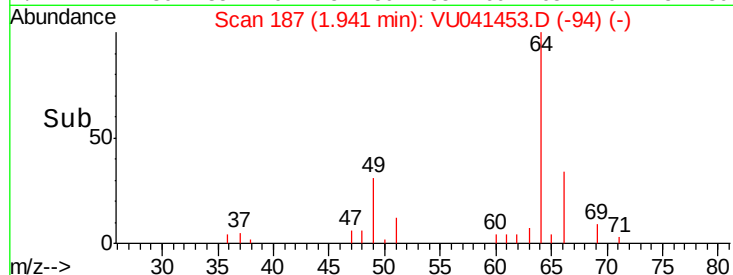
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 5.987 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041453.D

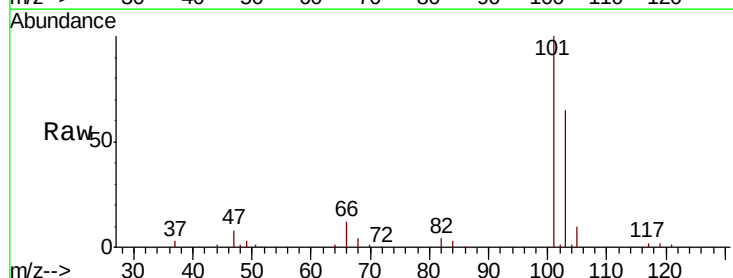
Acq: 03 Dec 2020 16:44

Tgt Ion: 101 Resp: 50614

Ion Ratio Lower Upper

101 100

103 65.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU041453.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041453.D (-240) (-)

2.15

40000

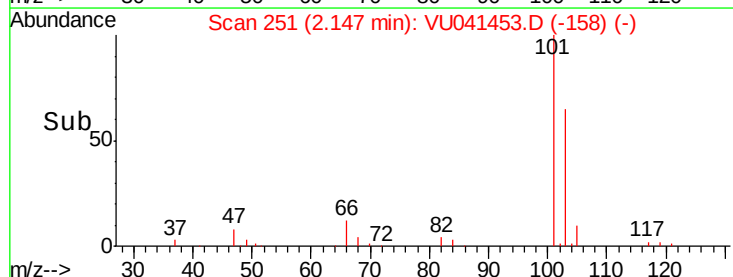
30000

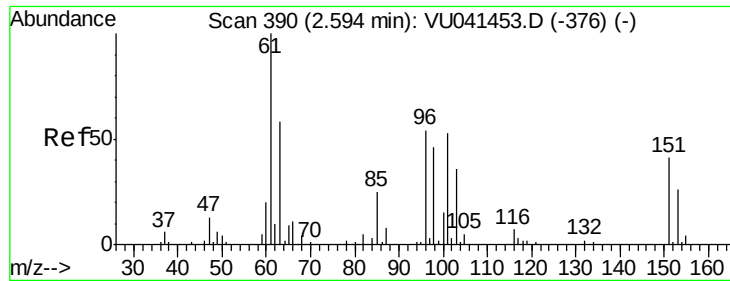
20000

10000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.247 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

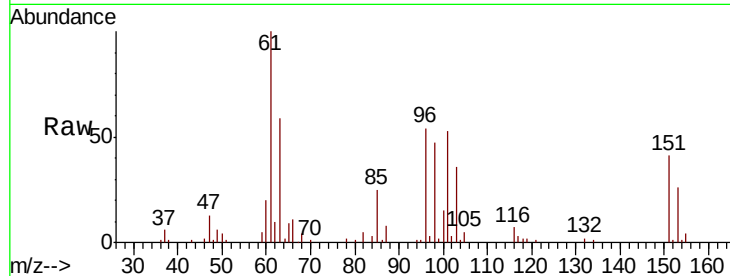
Tot Ion:101 Resp: 21743

Ion Ratio Lower Upper

101 100

85 46.7 37.4 56.0

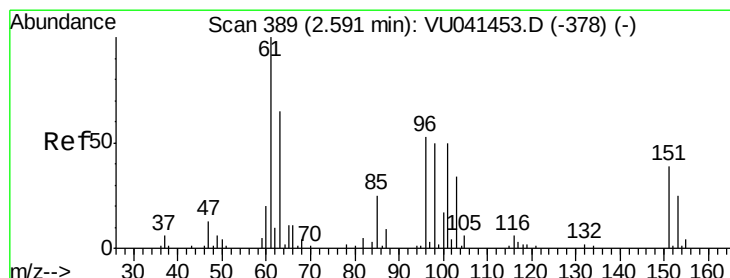
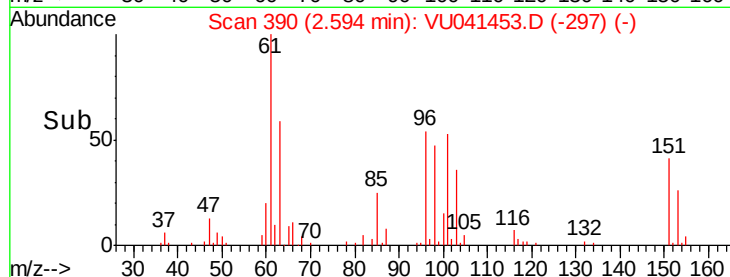
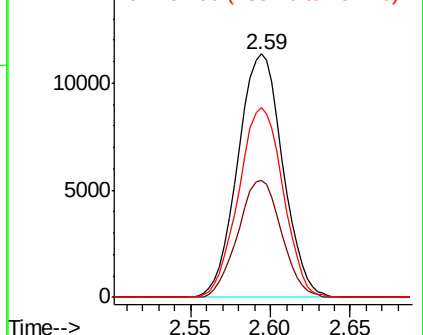
151 77.3 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.083 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

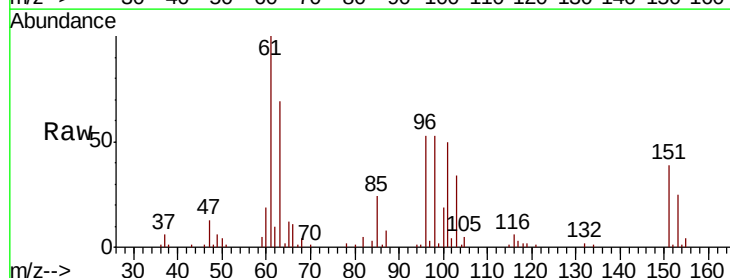
Tgt Ion: 96 Resp: 18559

Ion Ratio Lower Upper

96 100

61 189.4 132.6 246.2

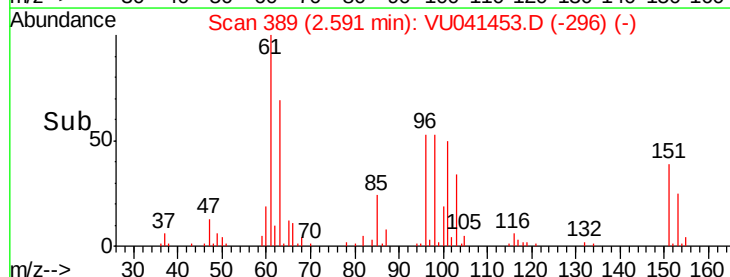
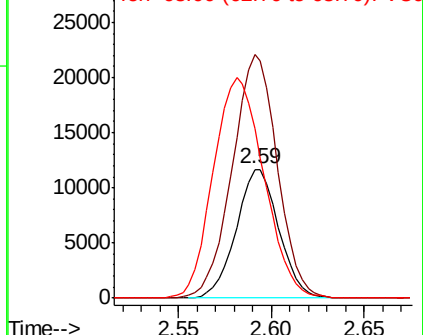
63 131.3 91.9 170.7

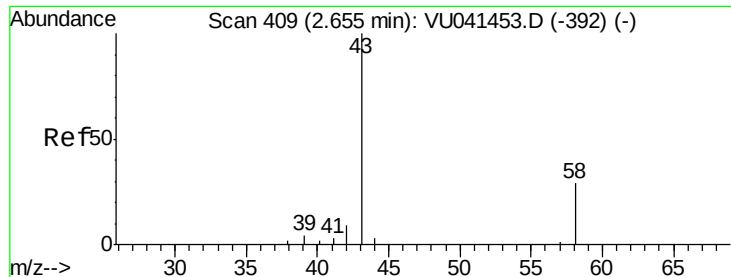


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 58.138 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

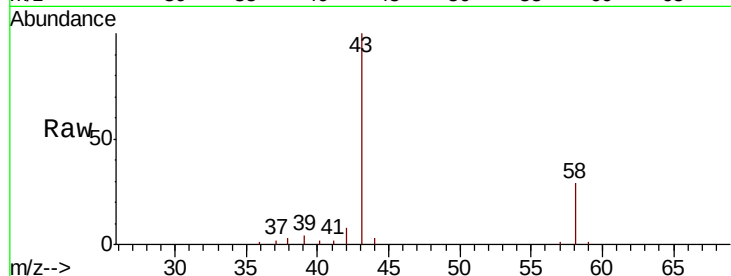
VSTD00501

Tot Ion: 43 Resp: 43531

Ion Ratio Lower Upper

43 100

58 26.1 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU041453.D (-392) (-)

Ion 58.05 (57.75 to 58.75): VU041453.D (-392) (-)

2.66

15000

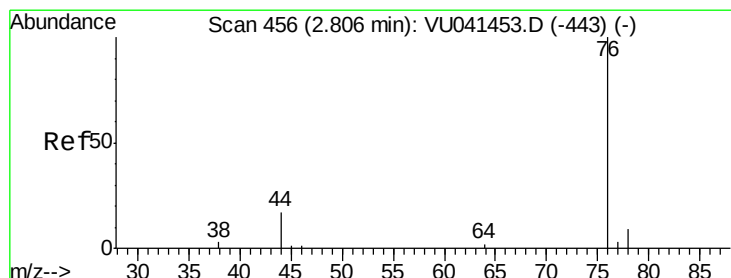
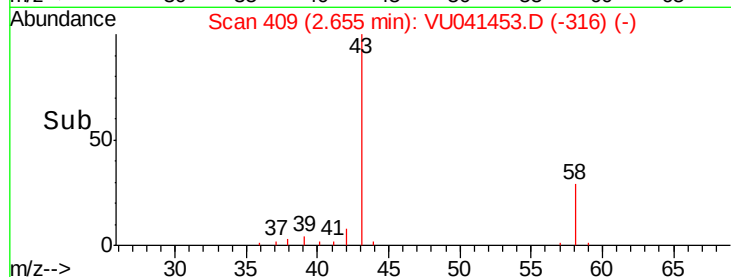
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.121 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041453.D

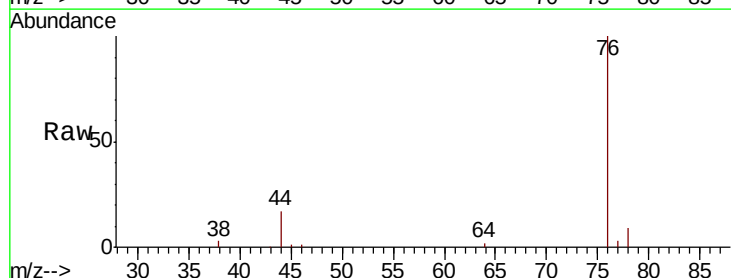
Acq: 03 Dec 2020 16:44

Tgt Ion: 76 Resp: 50347

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041453.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041453.D (-443) (-)

2.81

30000

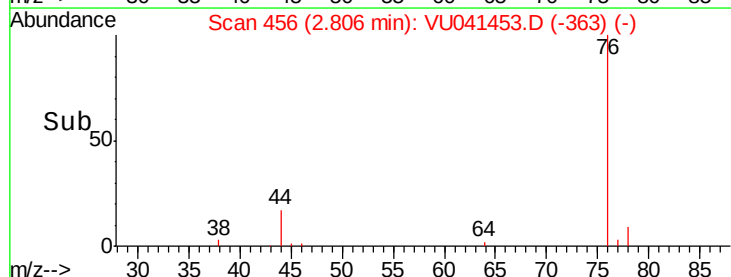
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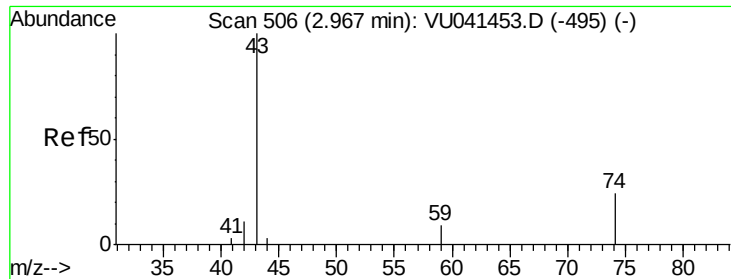
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0

2.75 2.80 2.85 2.90

Time-->

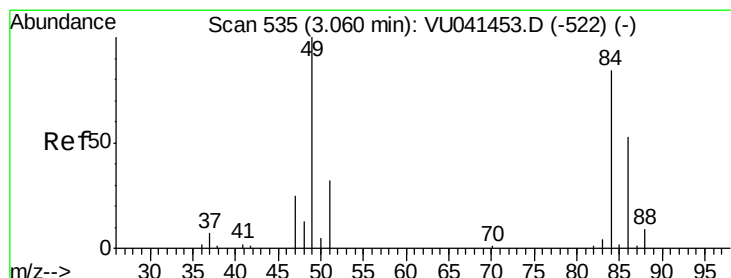
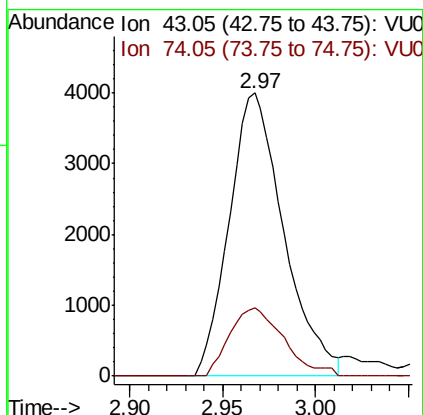
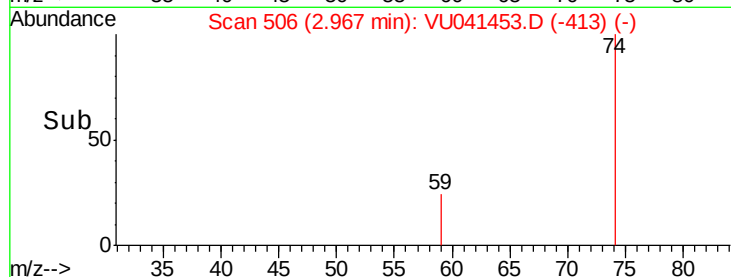
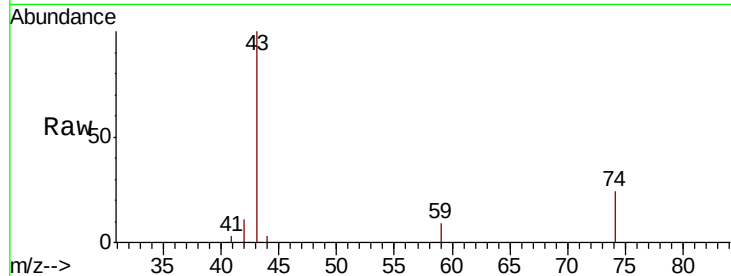




#15
Methyl Acetate
Concen: 4.935 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

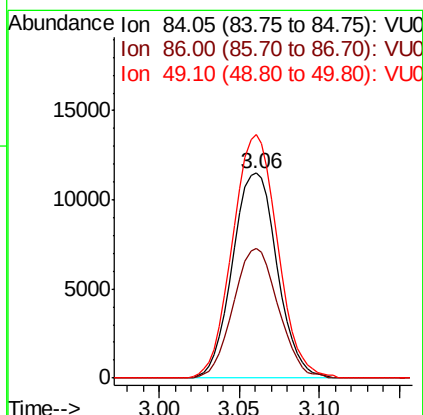
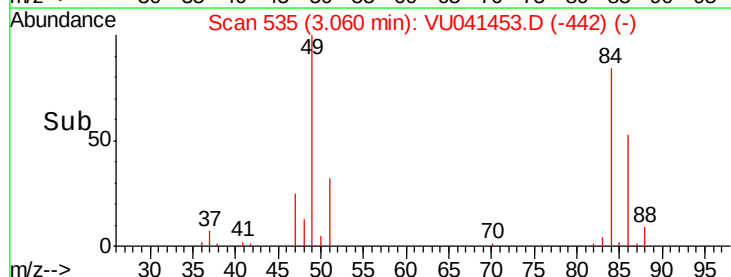
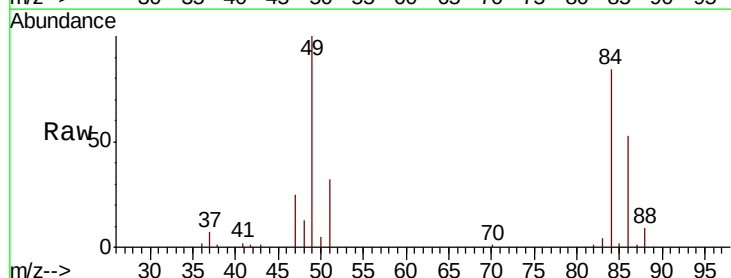
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00501

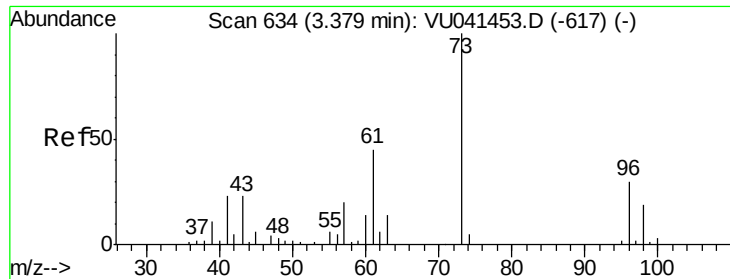
Tot Ion: 43 Resp: 8186
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 4.244 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Tgt Ion: 84 Resp: 21918
Ion Ratio Lower Upper
84 100
86 63.3 44.3 82.3
49 118.8 83.2 154.4

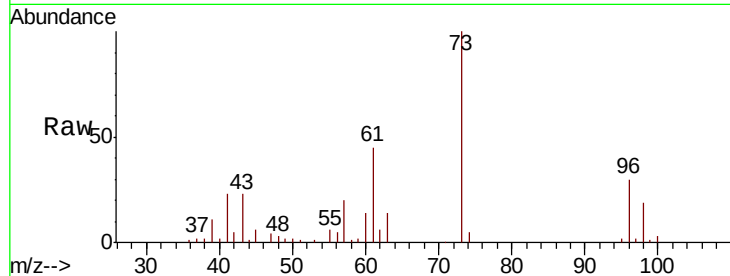




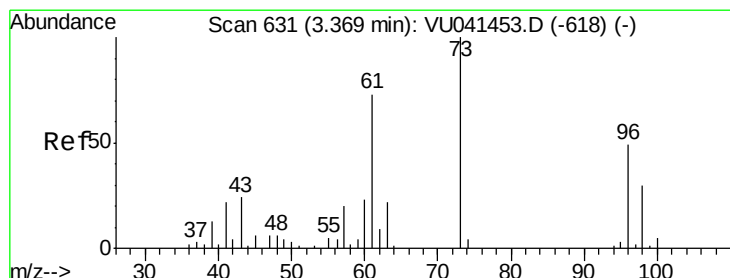
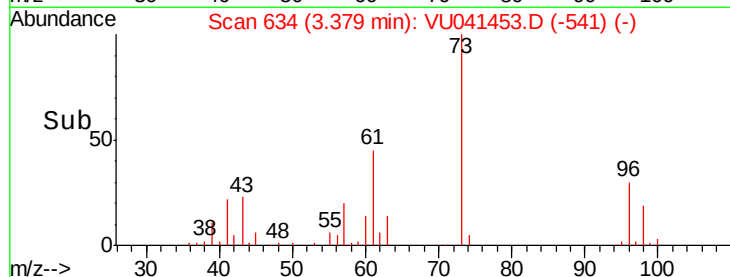
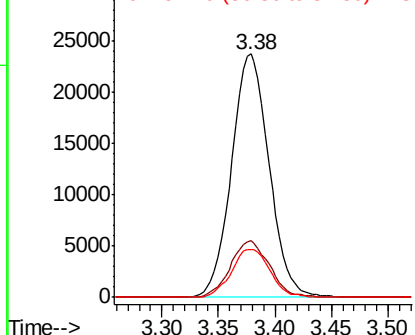
#17
Methyl tert-butyl Ether
Concen: 5.798 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00501

Tot Ion: 73 Resp: 54767
Ion Ratio Lower Upper
73 100
43 24.1 19.3 28.9
57 20.1 16.1 24.1

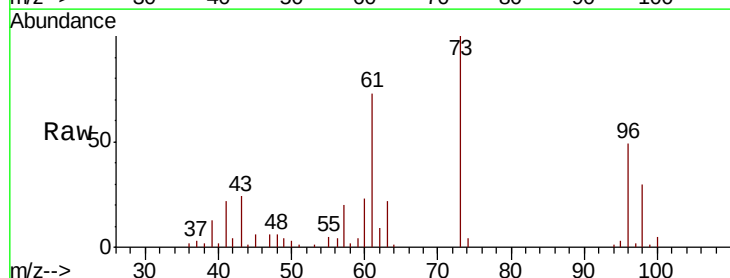


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

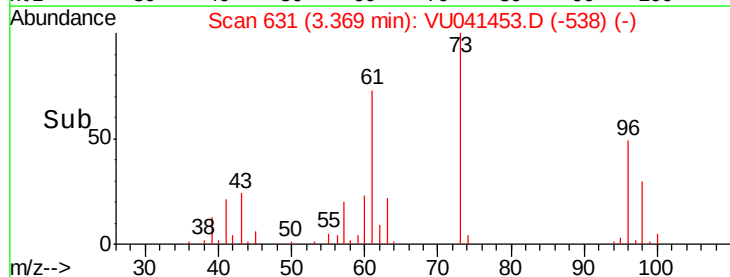
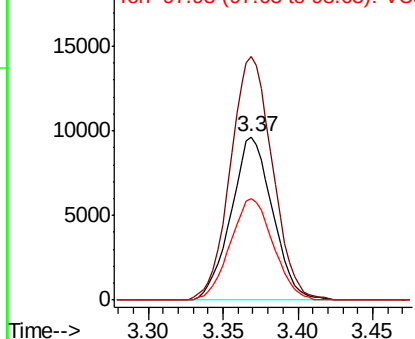


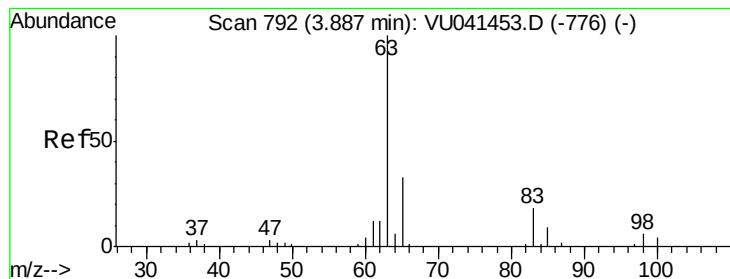
#18
trans-1,2-Dichloroethene
Concen: 4.741 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Tgt Ion: 96 Resp: 18635
Ion Ratio Lower Upper
96 100
61 149.1 104.4 193.8
98 62.3 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.642 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

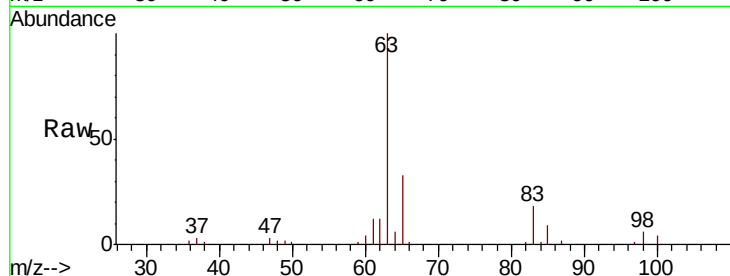
Tot Ion: 63 Resp: 36191

Ion Ratio Lower Upper

63 100

65 33.3 23.3 43.3

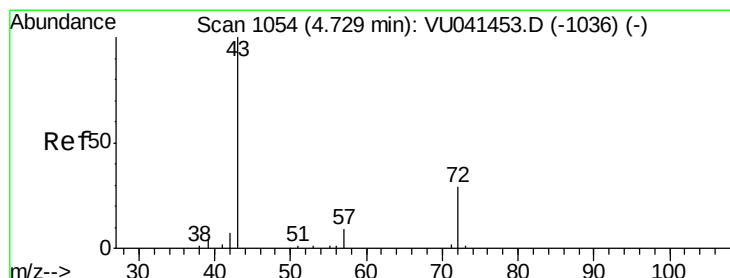
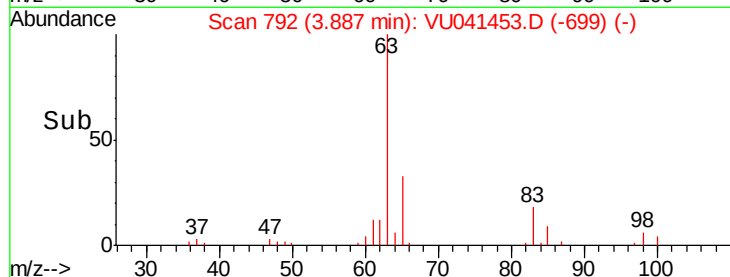
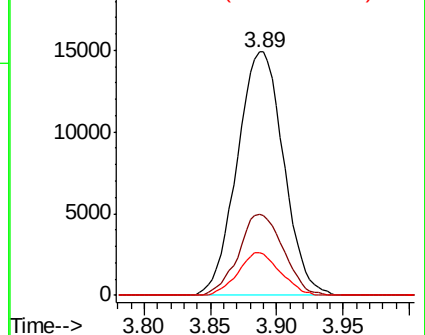
83 17.7 12.4 23.0



Abundance Ion 63.10 (62.80 to 63.80): VU041453.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU041453.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU041453.D (-776) (-)



#21

2-Butanone

Concen: 50.147 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU041453.D

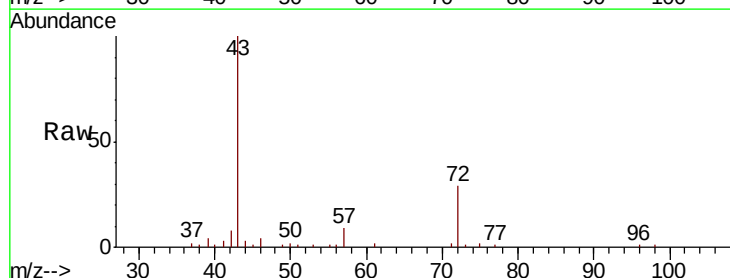
Acq: 03 Dec 2020 16:44

Tgt Ion: 43 Resp: 57397

Ion Ratio Lower Upper

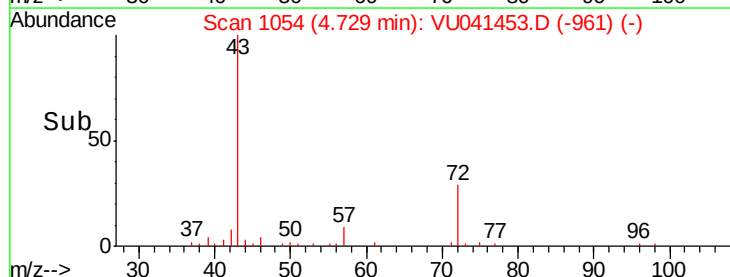
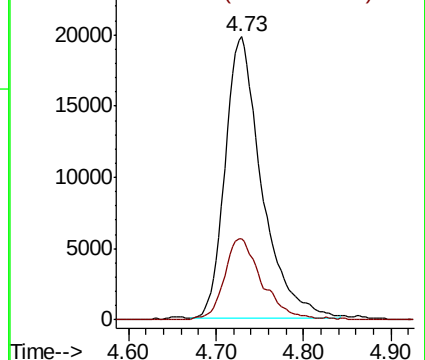
43 100

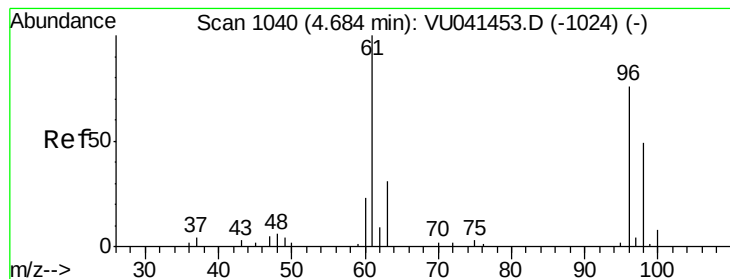
72 29.7 14.9 44.5



Abundance Ion 43.05 (42.75 to 43.75): VU041453.D (-1036) (-)

Ion 72.10 (71.80 to 72.80): VU041453.D (-1036) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.039 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

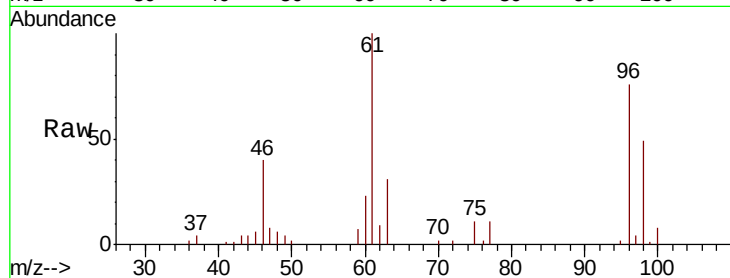
Tot Ion: 96 Resp: 21311

Ion Ratio Lower Upper

96 100

61 131.0 91.7 170.3

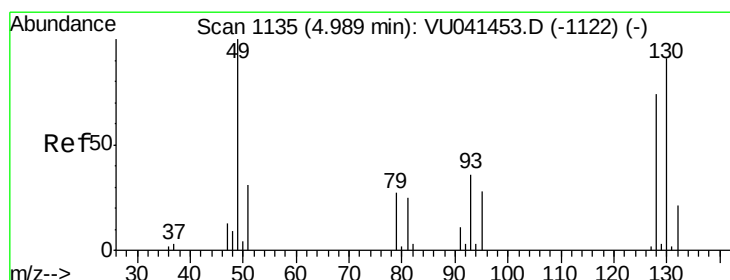
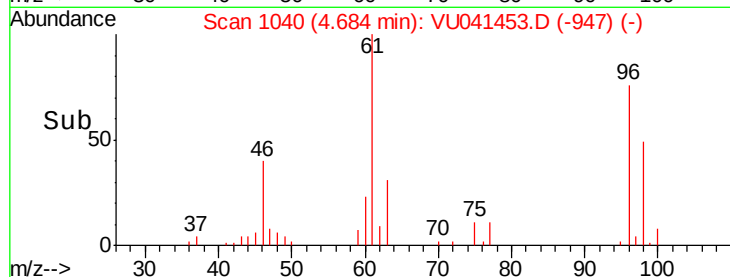
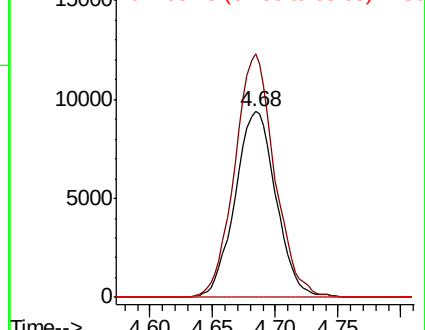
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.542 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Tgt Ion:128 Resp: 10389

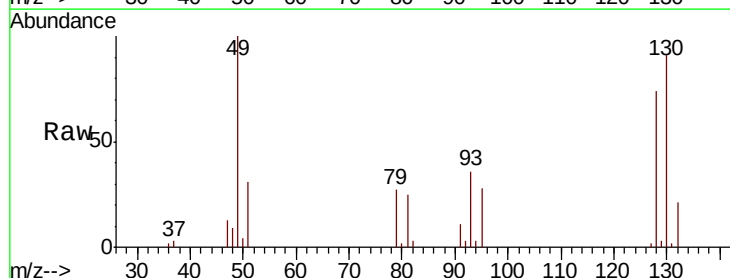
Ion Ratio Lower Upper

128 100

49 135.3 94.7 175.9

130 122.7 85.9 159.5

51 42.4 33.9 50.9

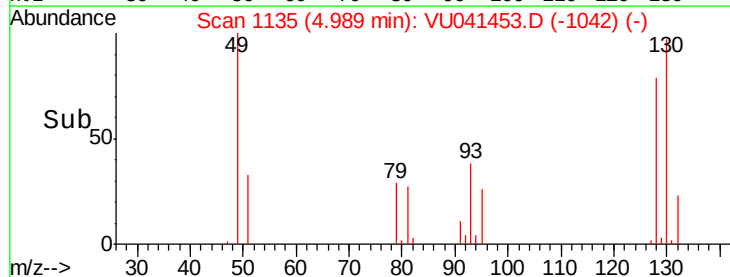
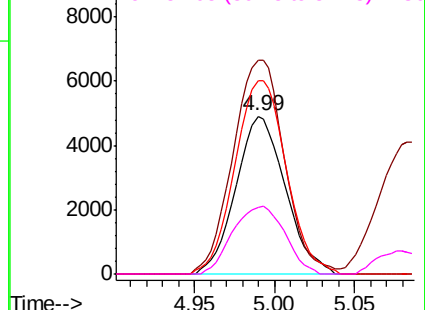


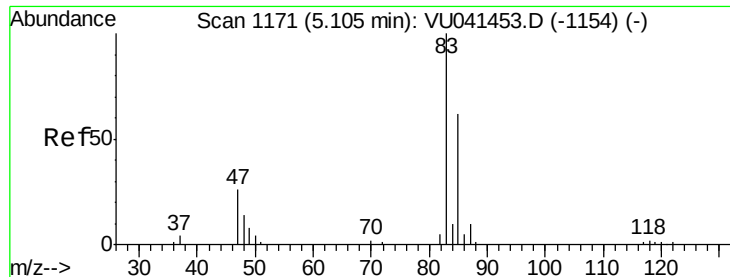
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

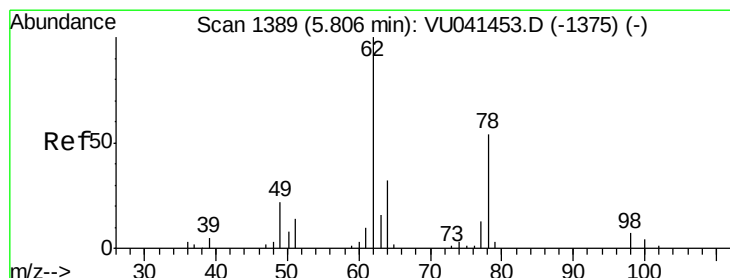
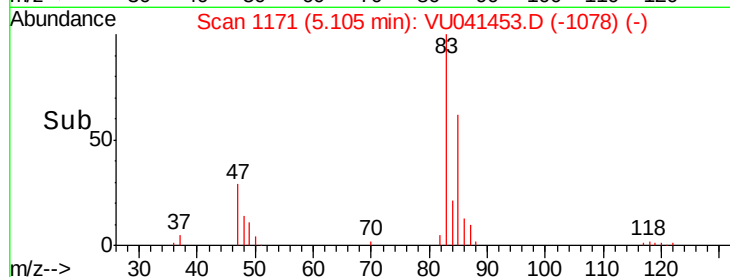
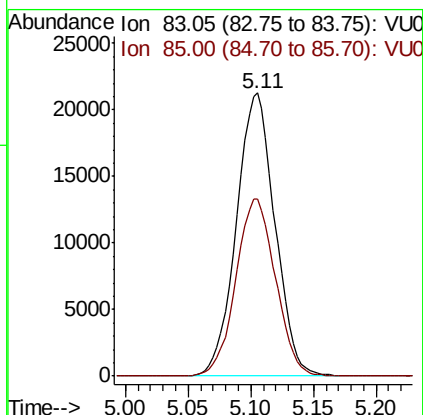
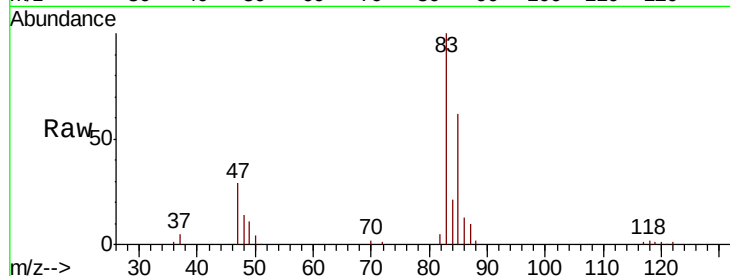




#25
Chloroform
Concen: 5.166 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

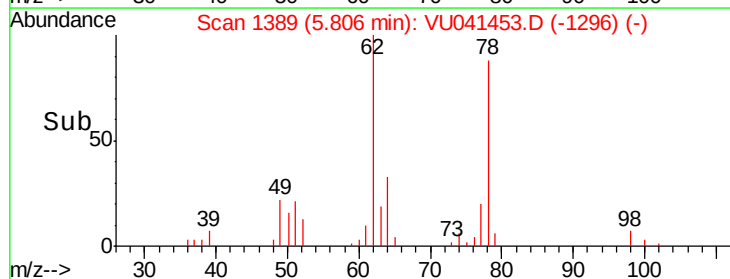
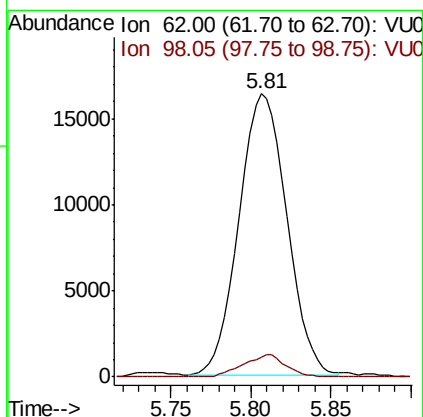
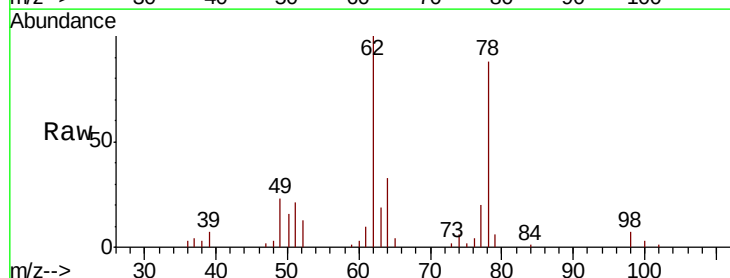
Instrument :
MSVOA_Y
ClientSampleId :
VSTD00501

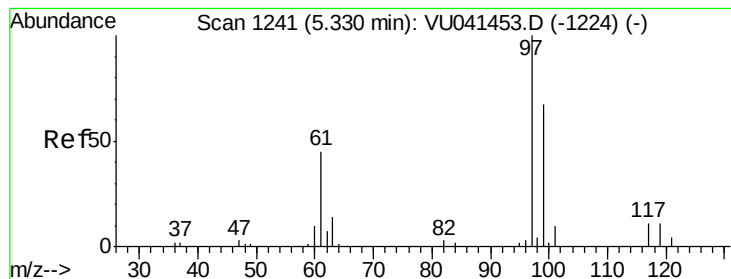
Tot Ion: 83 Resp: 45482
Ion Ratio Lower Upper
83 100
85 62.4 43.7 81.1



#27
1,2-Dichloroethane
Concen: 5.714 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Tgt Ion: 62 Resp: 33476
Ion Ratio Lower Upper
62 100
98 7.0 5.6 8.4





#29

1,1,1-Trichloroethane

Concen: 5.721 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

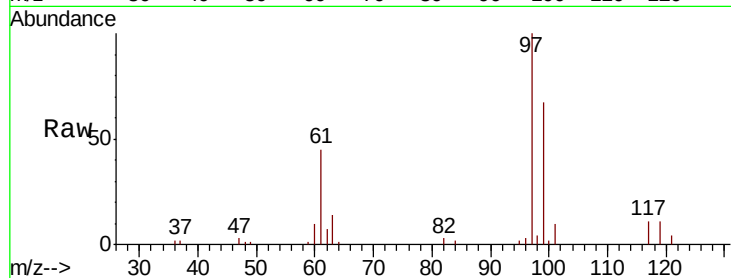
Tot Ion: 97 Resp: 43775

Ion Ratio Lower Upper

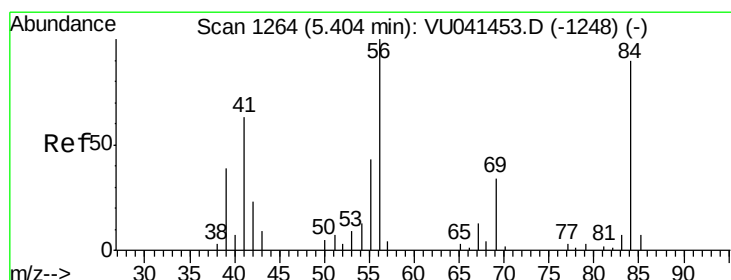
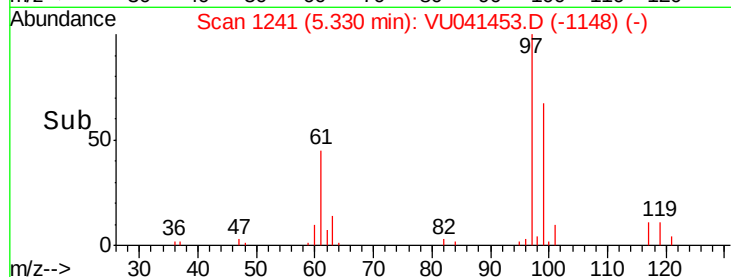
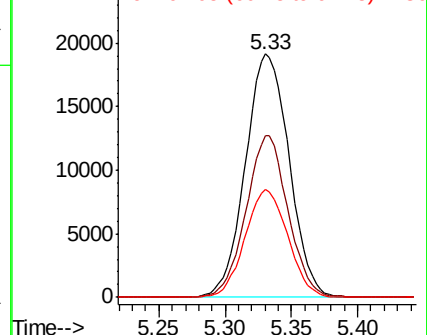
97 100

99 63.8 51.0 76.6

61 43.4 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.432 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

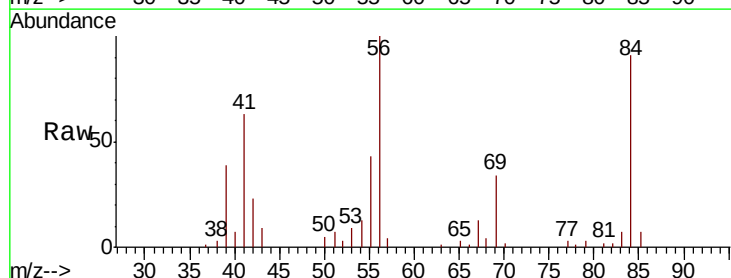
Tgt Ion: 56 Resp: 26864

Ion Ratio Lower Upper

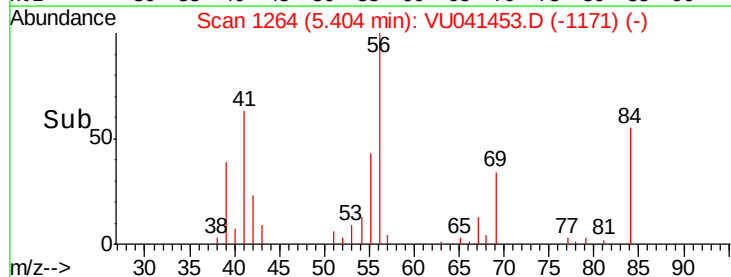
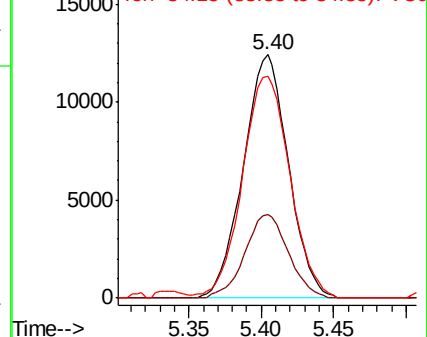
56 100

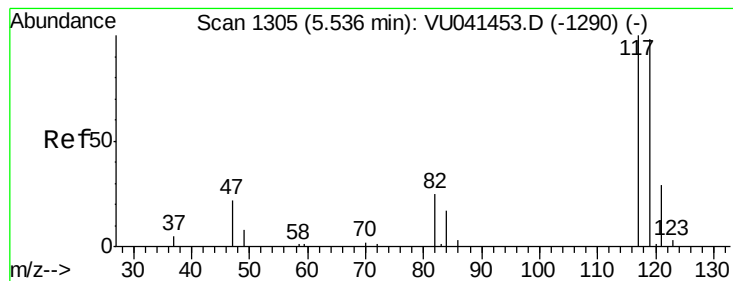
69 33.2 26.6 39.8

84 95.9 76.7 115.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.962 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

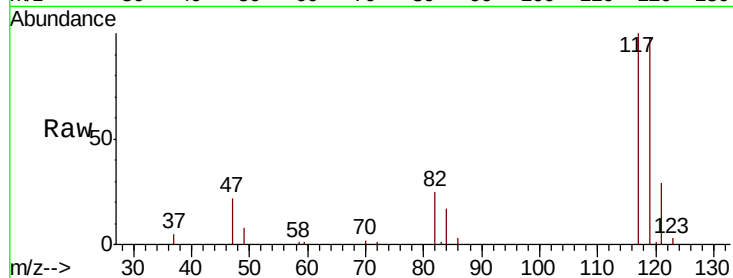
VSTD00501

Tot Ion:117 Resp: 41387

Ion Ratio Lower Upper

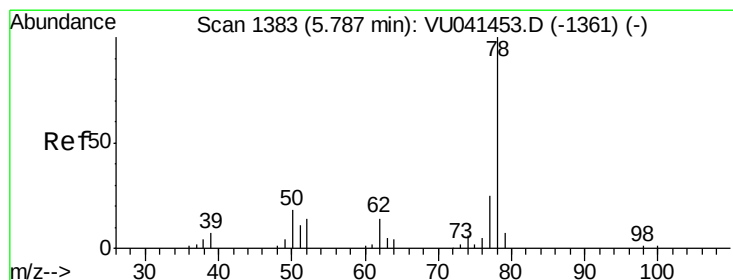
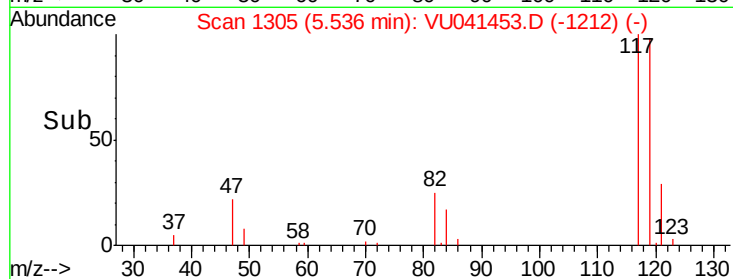
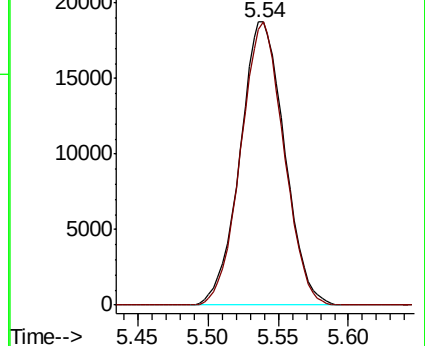
117 100

119 96.2 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.934 ug/L

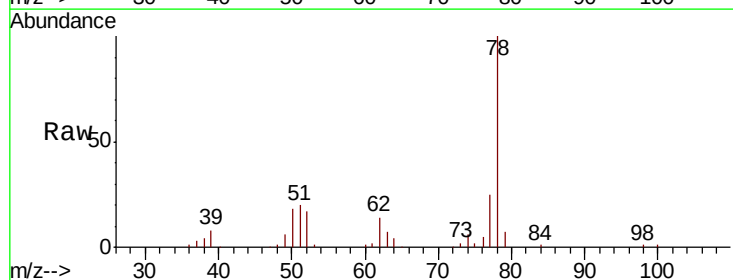
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

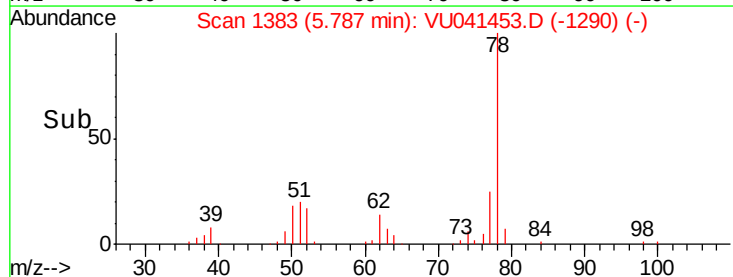
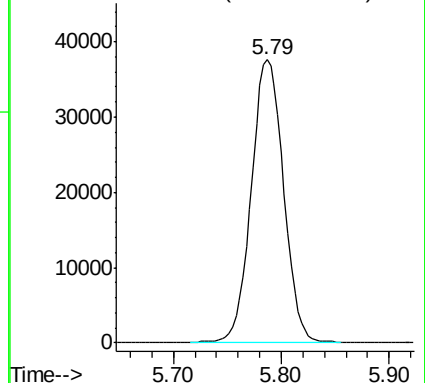
Lab File: VU041453.D

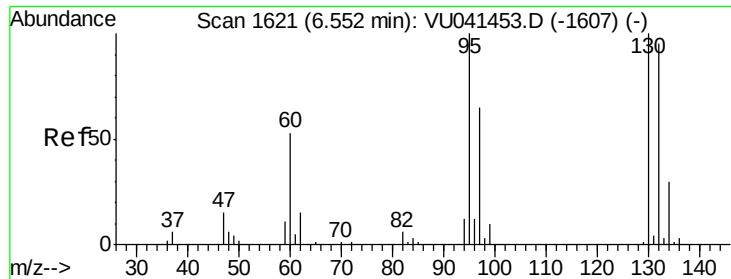
Acq: 03 Dec 2020 16:44

Tgt Ion: 78 Resp: 78192



Abundance Ion 78.10 (77.80 to 78.80): VU0

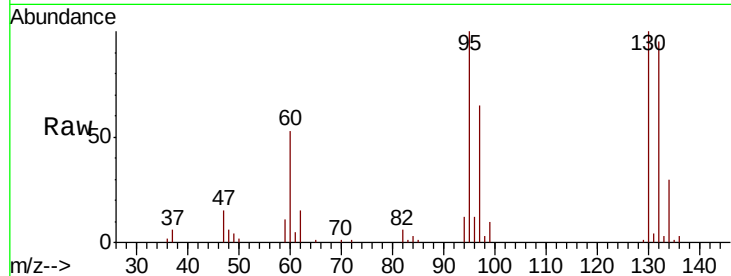




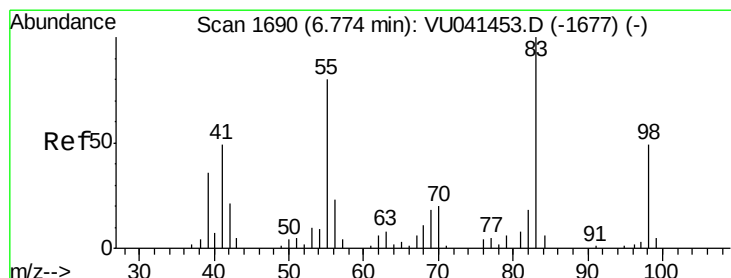
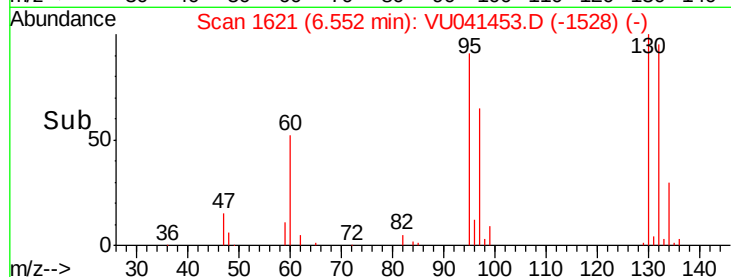
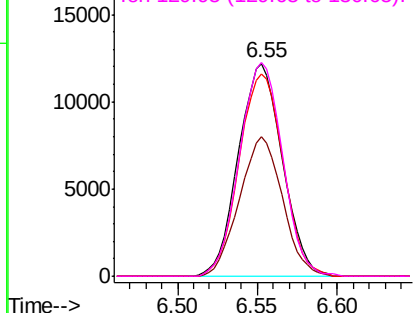
#34
 Trichloroethene
 Concen: 5.270 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Tot Ion: 95 Resp: 22898
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.8 85.0
 132 95.0 66.5 123.5
 130 100.4 70.3 130.5

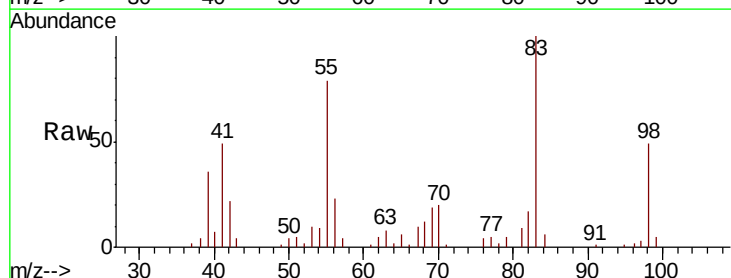


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

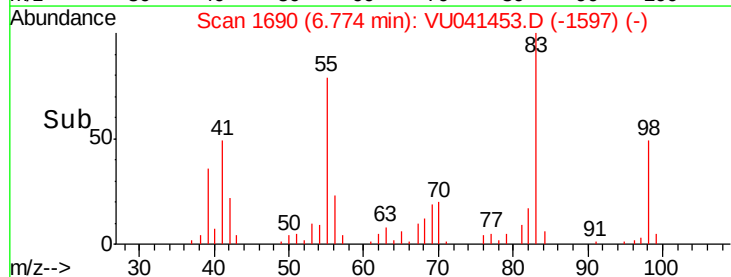
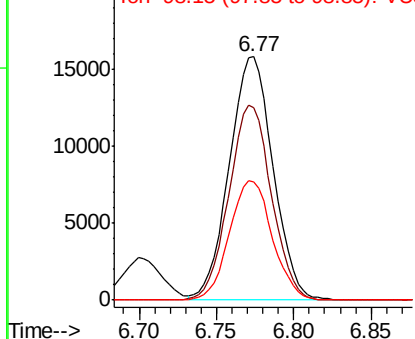


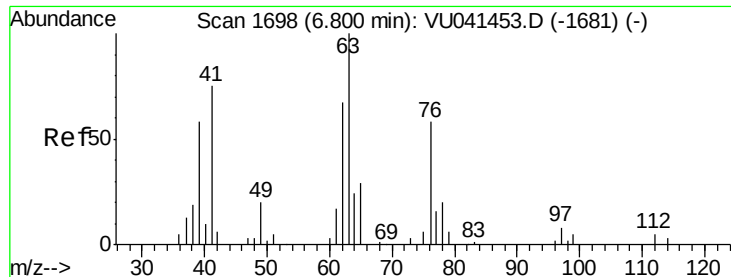
#35
 Methylcyclohexane
 Concen: 5.015 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion: 83 Resp: 31182
 Ion Ratio Lower Upper
 83 100
 55 77.7 62.2 93.2
 98 47.8 38.2 57.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

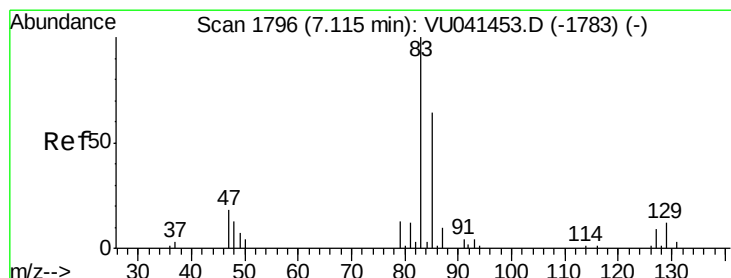
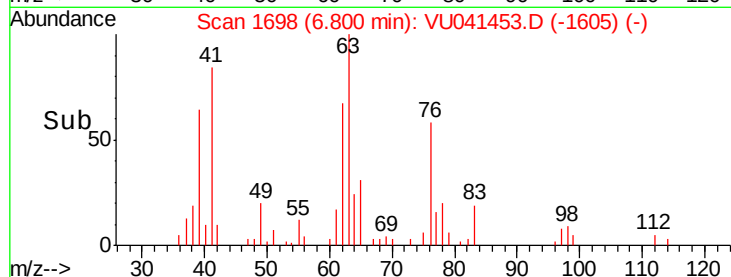
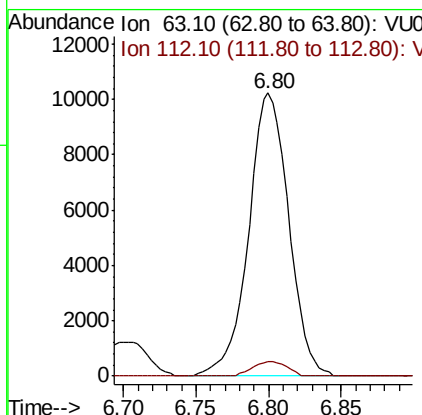
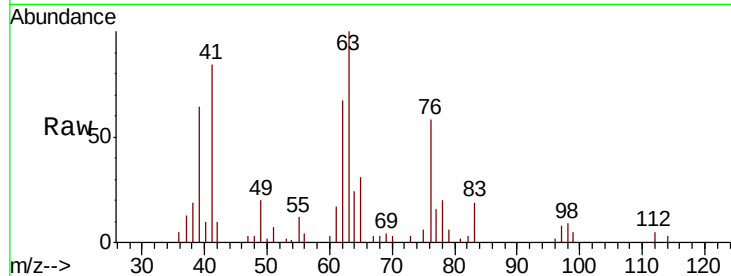




#37
 1,2-Dichloropropane
 Concen: 4.643 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

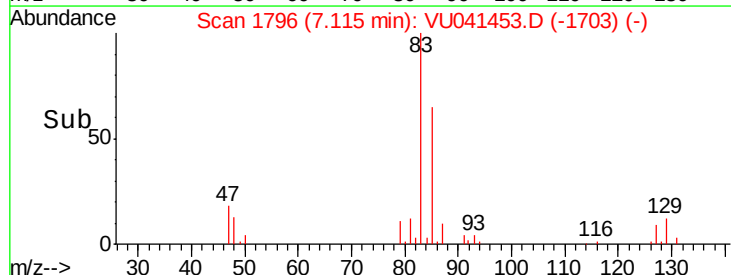
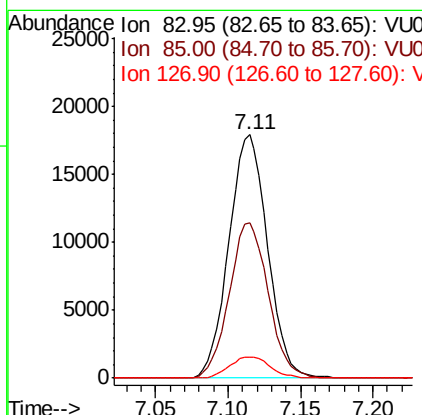
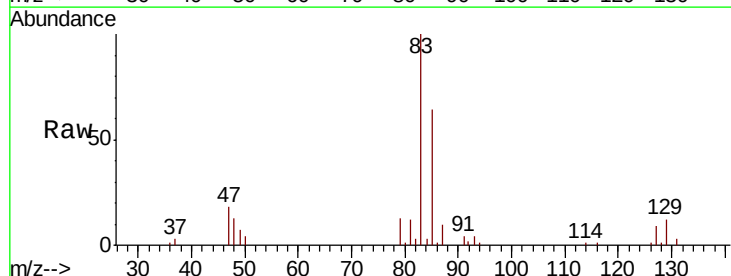
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

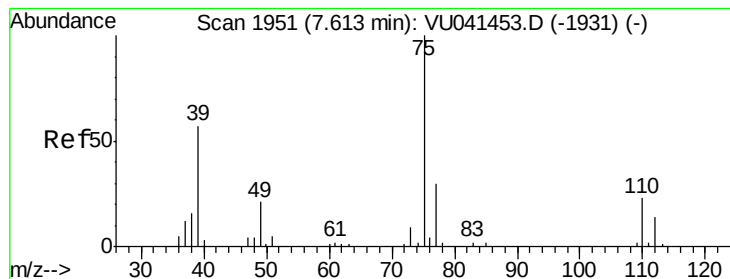
Tot Ion: 63 Resp: 19716
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.514 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion: 83 Resp: 33172
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 8.7 7.0 10.4



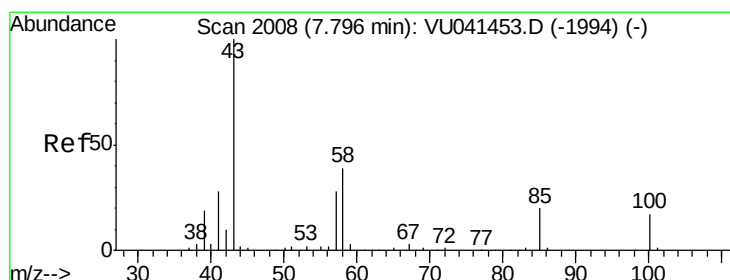
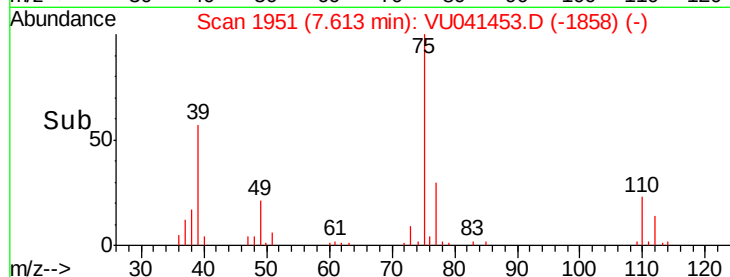
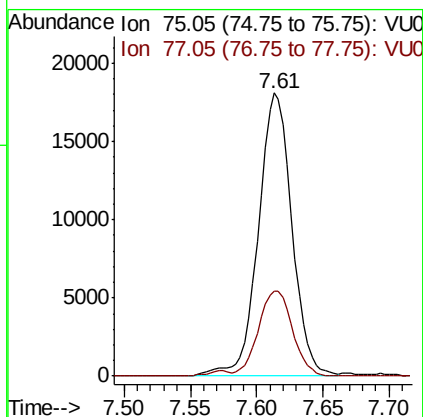
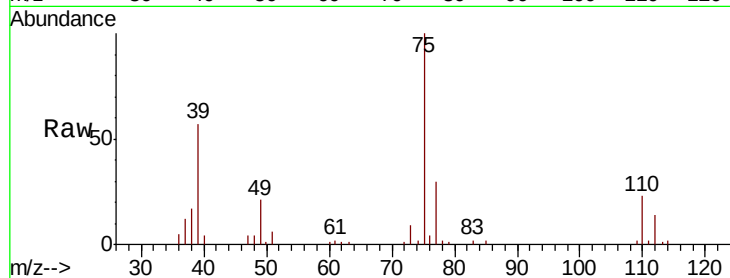


#39

cis-1,3-Dichloropropene
 Concen: 5.312 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

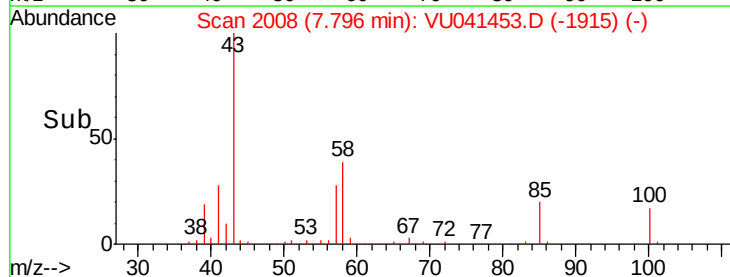
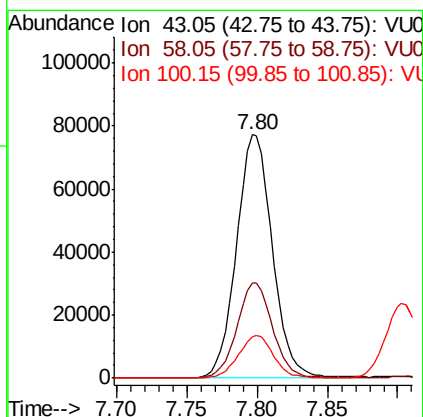
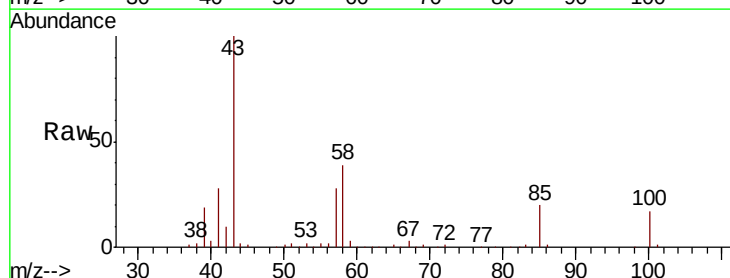
Tot Ion: 75 Resp: 32067
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.0 39.0

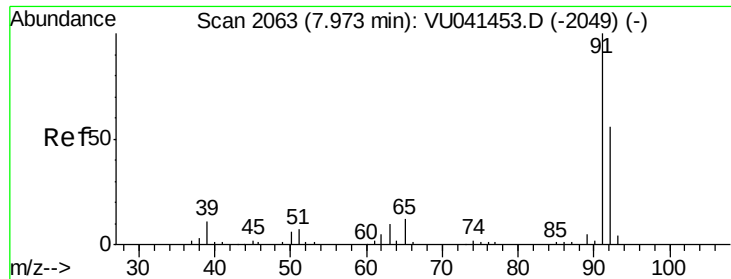


#40

4-Methyl-2-pentanone
 Concen: 51.724 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion: 43 Resp: 137850
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7
 100 17.1 13.7 20.5





#42

Toluene

Concen: 5.330 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

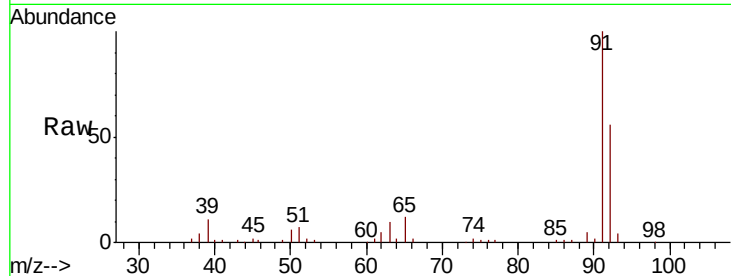
VSTD00501

Tot Ion: 91 Resp: 90231

Ion Ratio Lower Upper

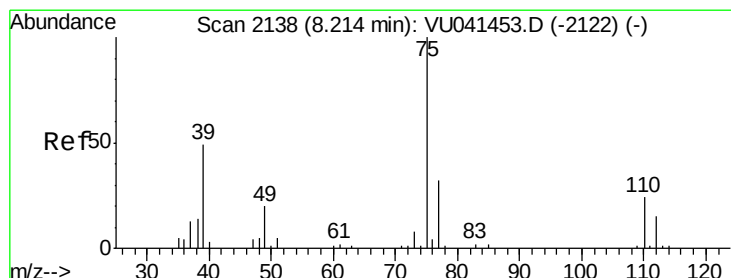
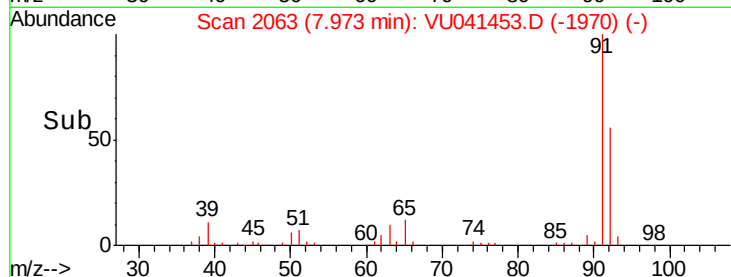
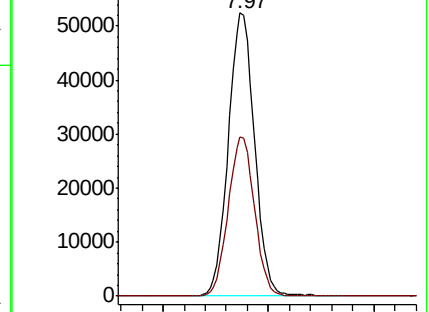
91 100

92 56.5 39.5 73.4



Abundance Ion 91.15 (90.85 to 91.85): VU041453.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041453.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.767 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041453.D

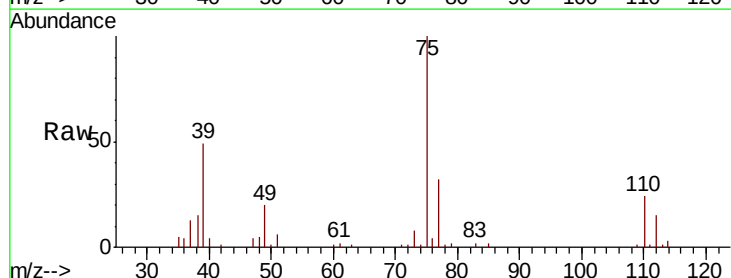
Acq: 03 Dec 2020 16:44

Tgt Ion: 75 Resp: 32217

Ion Ratio Lower Upper

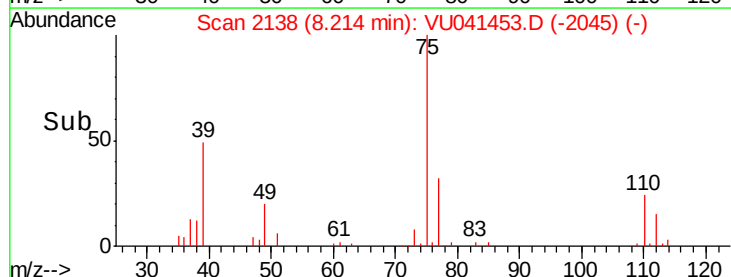
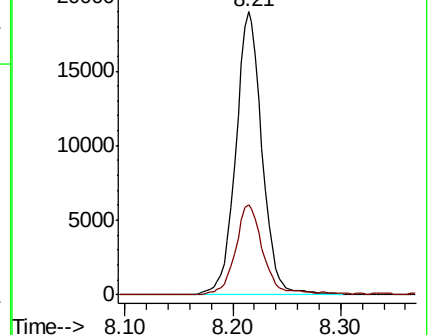
75 100

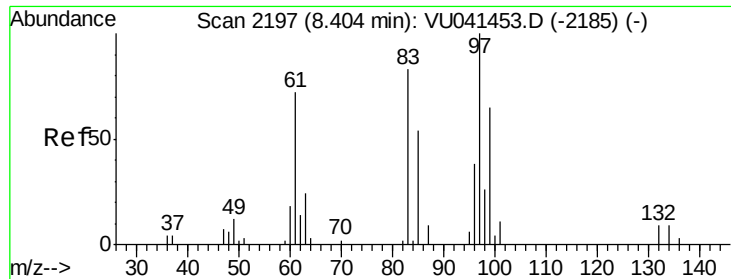
77 31.9 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VU041453.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041453.D (-2122) (-)

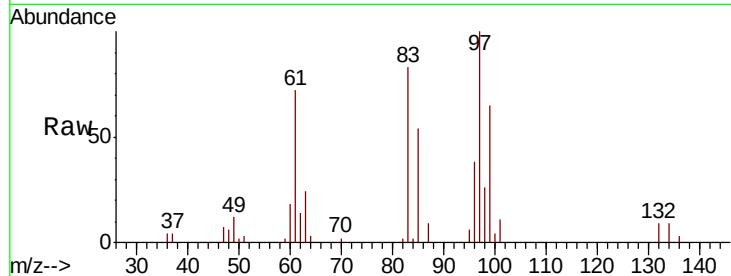




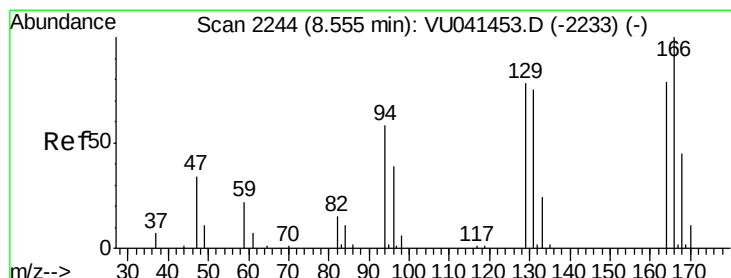
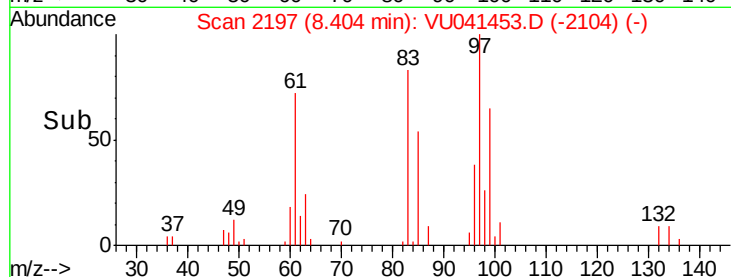
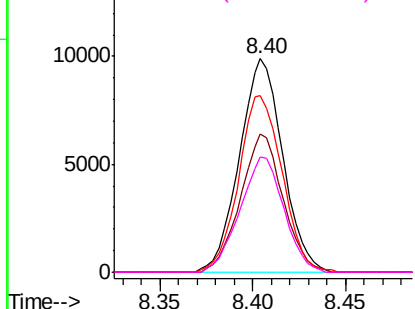
#45
 1,1,2-Trichloroethane
 Concen: 5.303 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Tot Ion: 97 Resp: 16093
 Ion Ratio Lower Upper
 97 100
 99 64.6 45.2 84.0
 83 82.6 57.8 107.4
 85 54.0 37.8 70.2

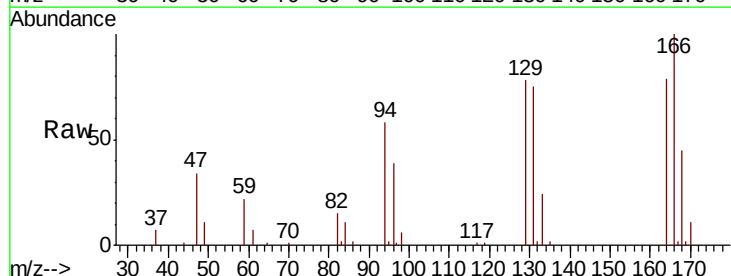


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

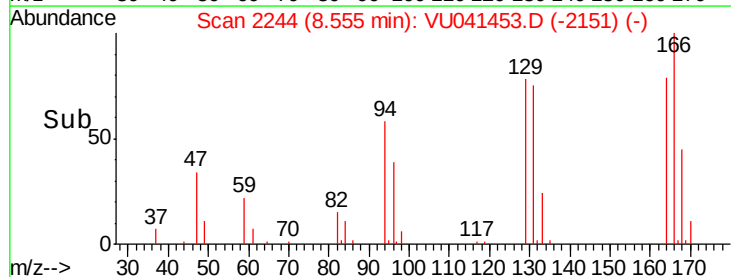
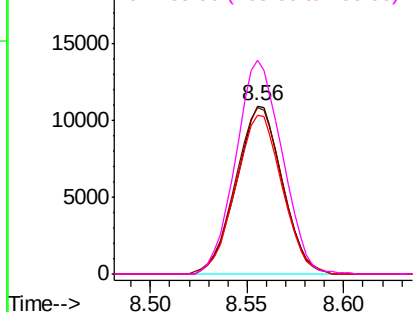


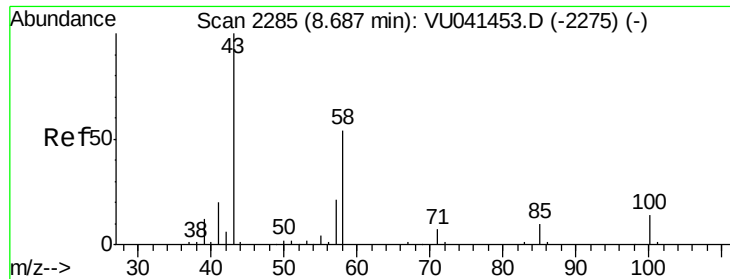
#47
 Tetrachloroethene
 Concen: 5.460 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion: 164 Resp: 17913
 Ion Ratio Lower Upper
 164 100
 129 99.1 69.4 128.8
 131 95.0 66.5 123.5
 166 127.4 89.2 165.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

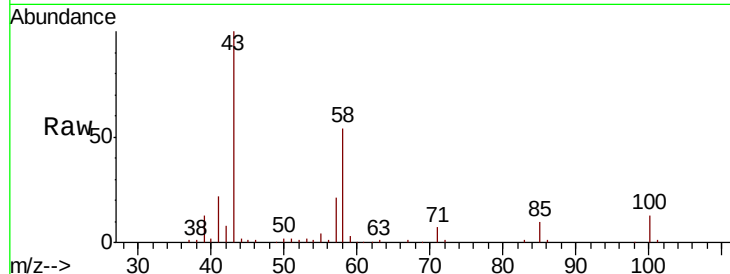




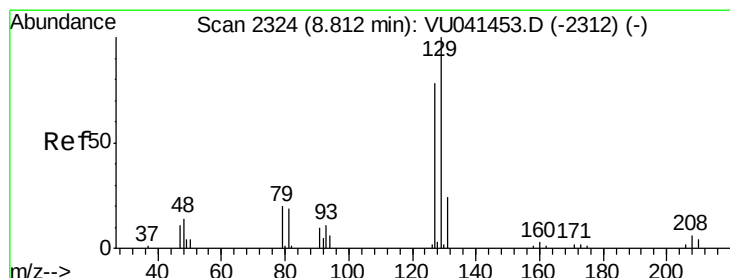
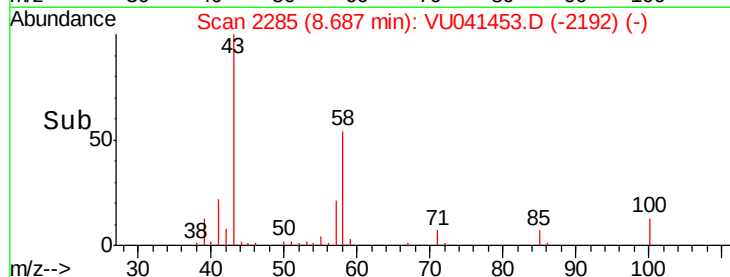
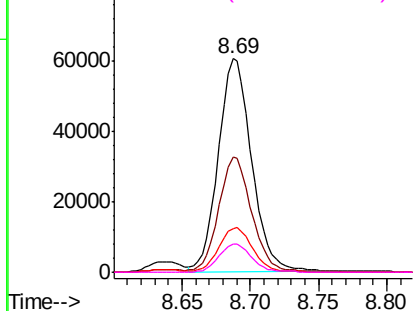
#48
2-Hexanone
Concen: 52.170 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Instrument :
MSVOA_Y
ClientSampleId :
VSTD00501

Tot Ion: 43 Resp: 102532
Ion Ratio Lower Upper
43 100
58 53.6 42.9 64.3
57 21.5 17.2 25.8
100 13.2 10.6 15.8

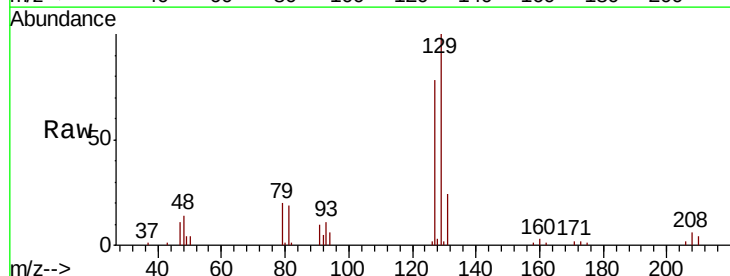


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

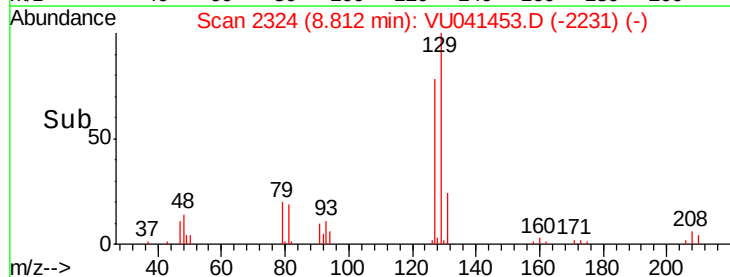
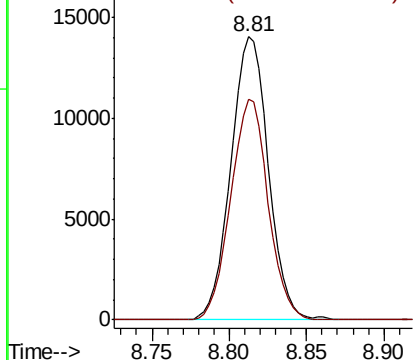


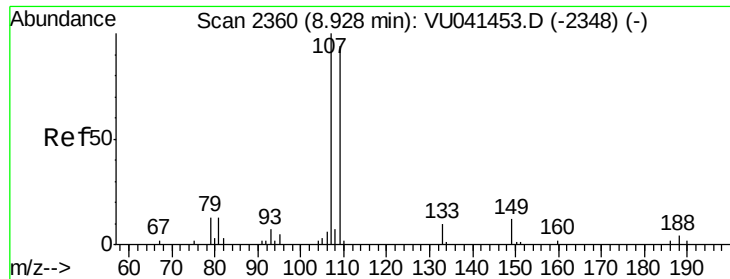
#49
Dibromochloromethane
Concen: 5.947 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041453.D
Acq: 03 Dec 2020 16:44

Tgt Ion: 129 Resp: 23627
Ion Ratio Lower Upper
129 100
127 78.0 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

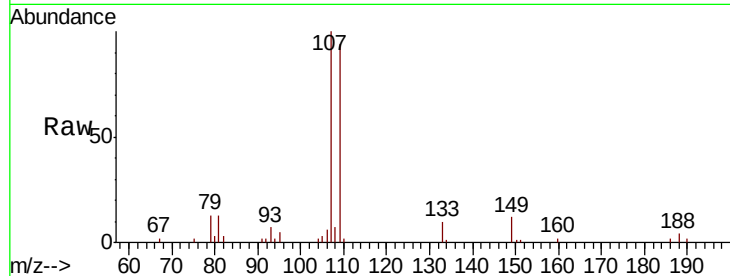




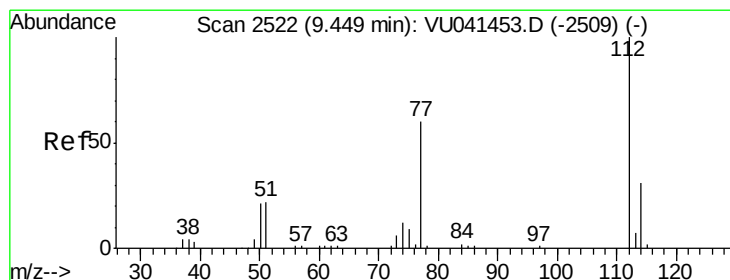
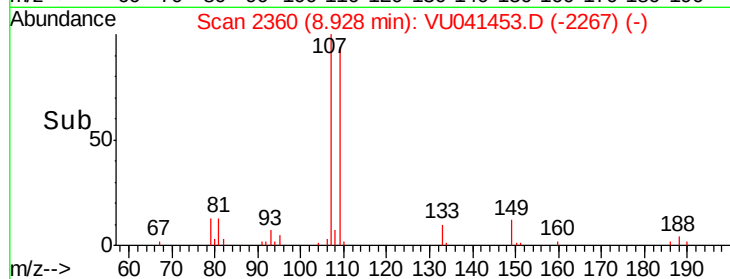
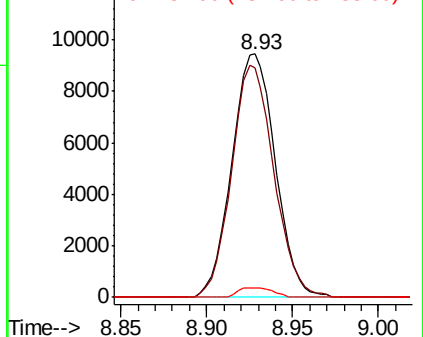
#50
 1,2-Dibromoethane
 Concen: 5.668 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Tot Ion:107 Resp: 16632
 Ion Ratio Lower Upper
 107 100
 109 94.3 66.0 122.6
 188 3.9 3.1 4.7

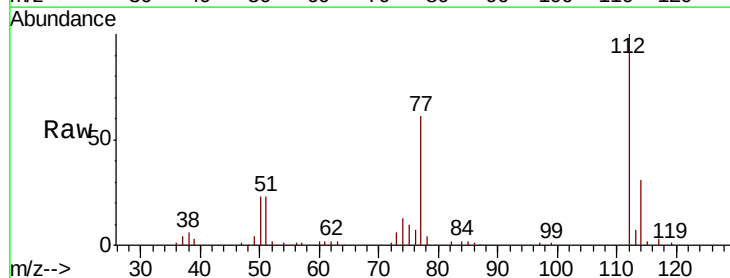


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

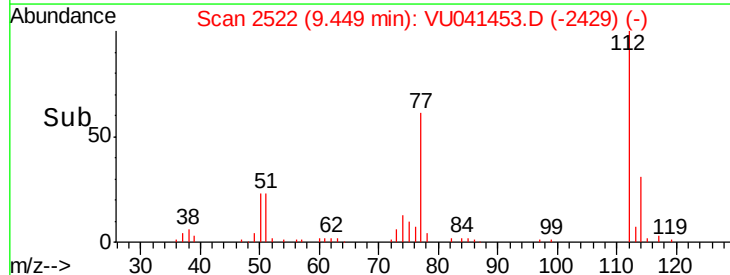
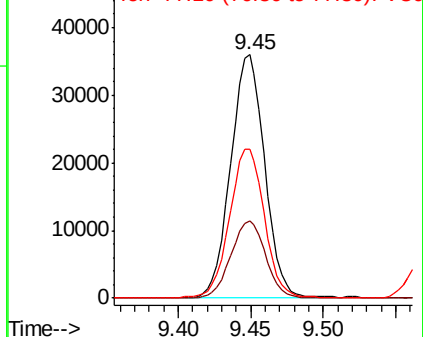


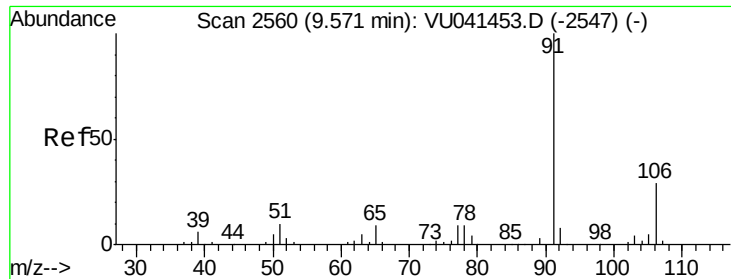
#51
 Chlorobenzene
 Concen: 5.306 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion:112 Resp: 58757
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.0 41.0
 77 61.0 48.8 73.2



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.486 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

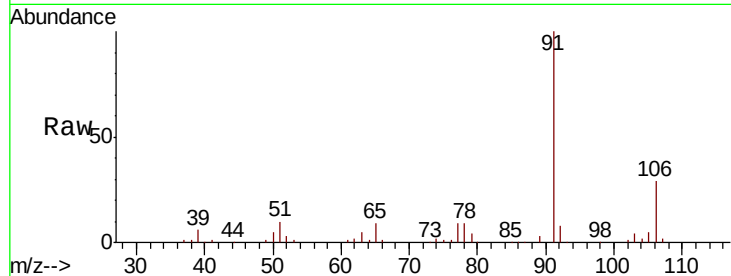
VSTD00501

Tot Ion: 91 Resp: 100207

Ion Ratio Lower Upper

91 100

106 28.8 20.2 37.4



Abundance Ion 91.15 (90.85 to 91.85): VU041453.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU041453.D (-2547) (-)

9.57

60000

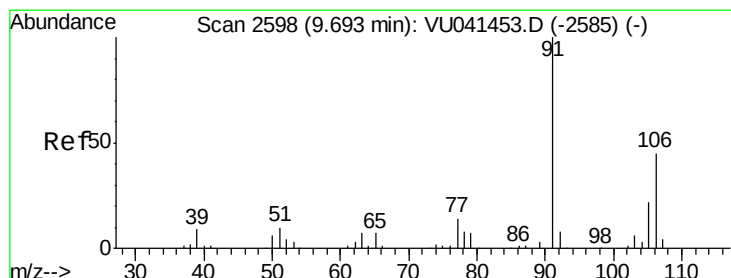
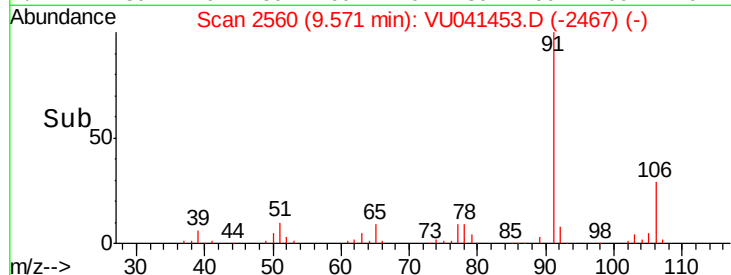
40000

20000

0

Time-->

9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 5.599 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041453.D

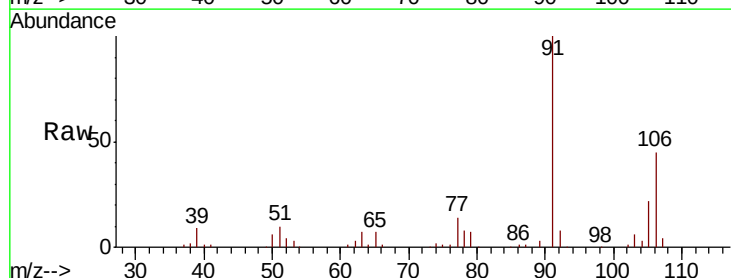
Acq: 03 Dec 2020 16:44

Tgt Ion: 106 Resp: 37374

Ion Ratio Lower Upper

106 100

91 222.6 155.8 289.4



Abundance Ion 106.15 (105.85 to 106.85): VU041453.D (-2585) (-)

Ion 91.15 (90.85 to 91.85): VU041453.D (-2585) (-)

9.69

60000

50000

40000

30000

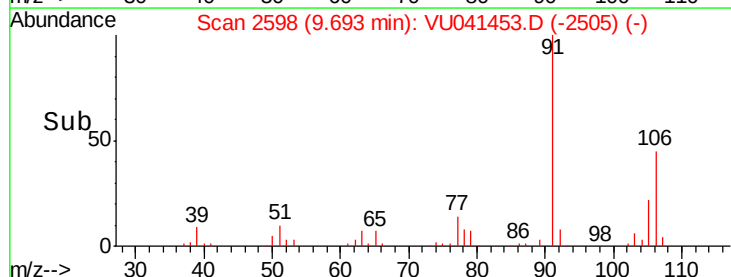
20000

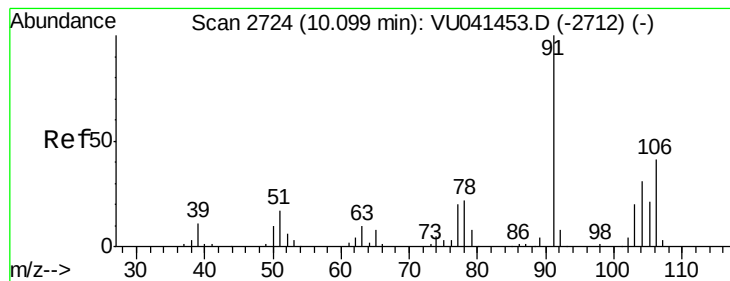
10000

0

Time-->

9.65 9.70 9.75





#54

o-Xylene

Concen: 5.429 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

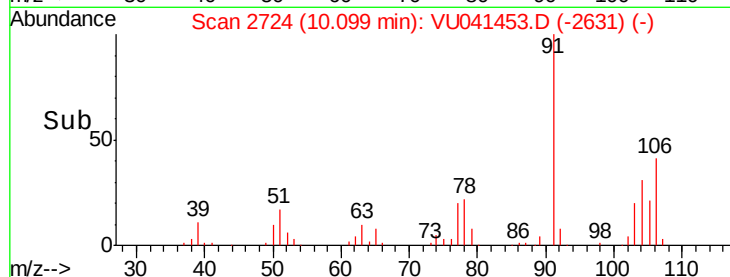
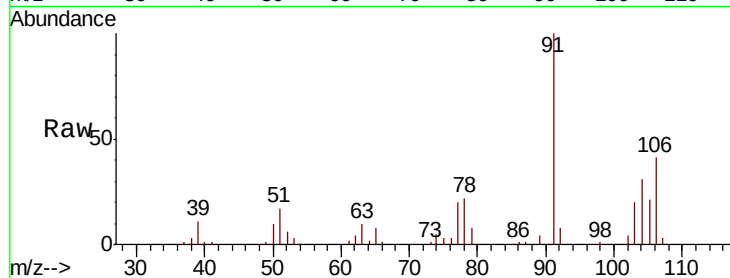
VSTD00501

Tot Ion:106 Resp: 35009

Ion Ratio Lower Upper

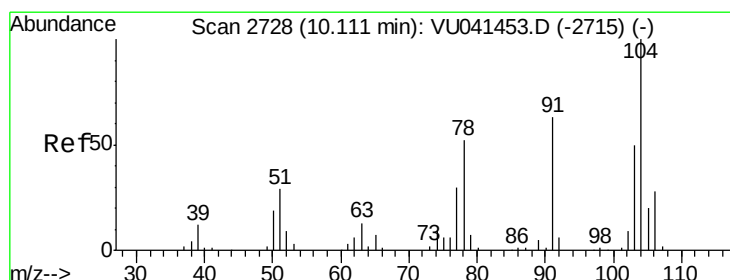
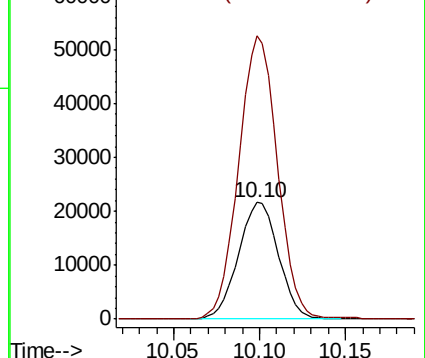
106 100

91 242.6 169.8 315.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.916 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. 0.00 min

Lab File: VU041453.D

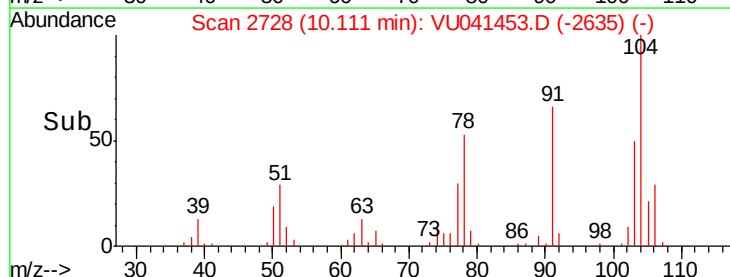
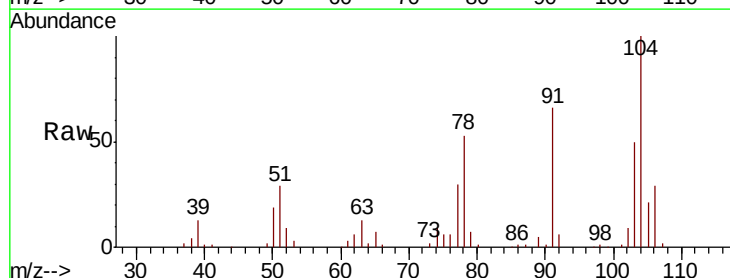
Acq: 03 Dec 2020 16:44

Tgt Ion:104 Resp: 64315

Ion Ratio Lower Upper

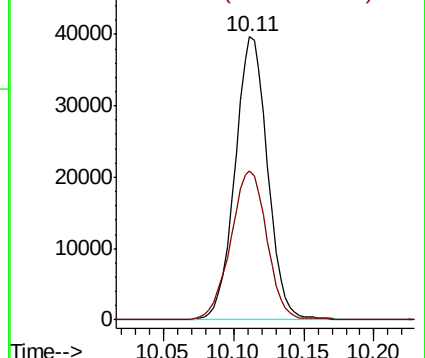
104 100

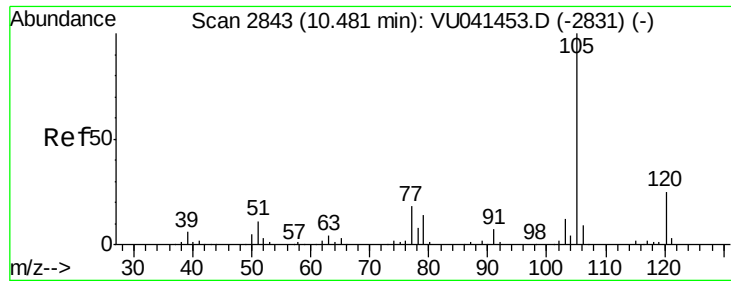
78 52.7 36.9 68.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.828 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

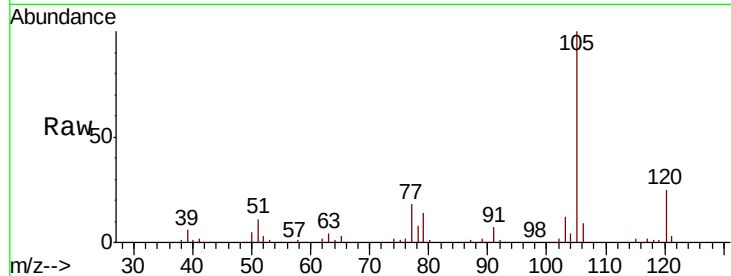
Tot Ion:105 Resp: 102092

Ion Ratio Lower Upper

105 100

120 25.4 20.3 30.5

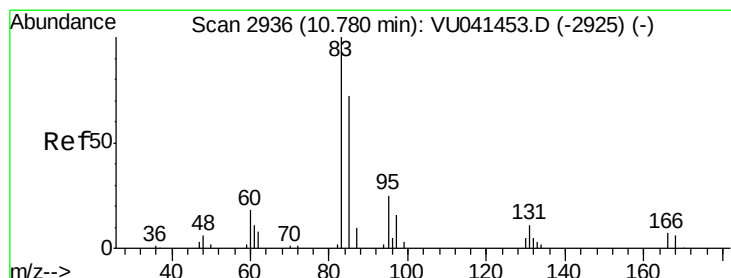
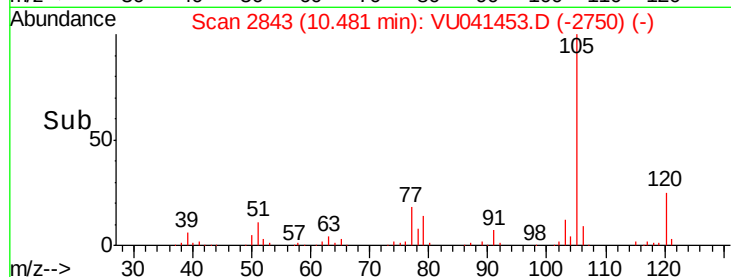
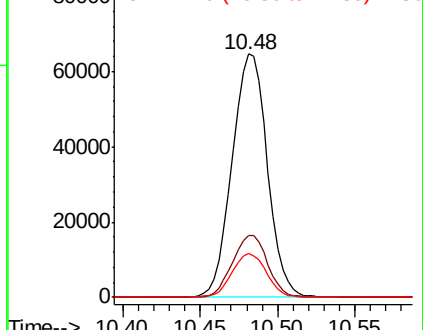
77 17.7 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.145 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

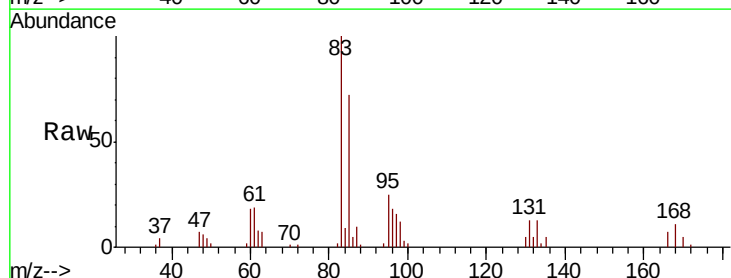
Tgt Ion: 83 Resp: 19066

Ion Ratio Lower Upper

83 100

85 72.5 50.7 94.3

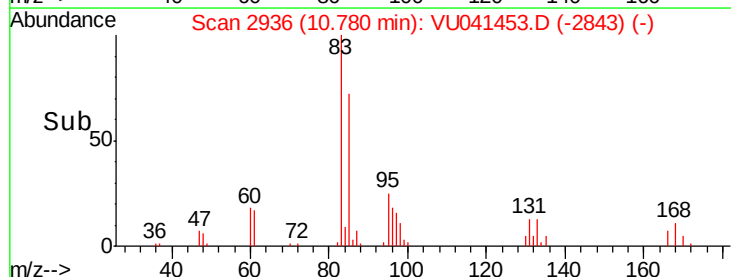
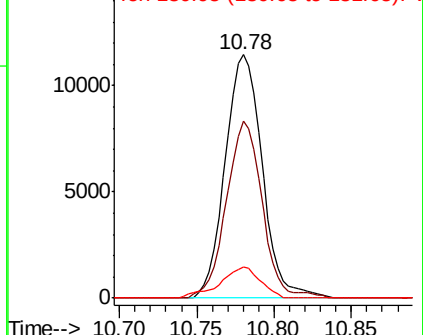
131 12.9 10.3 15.5

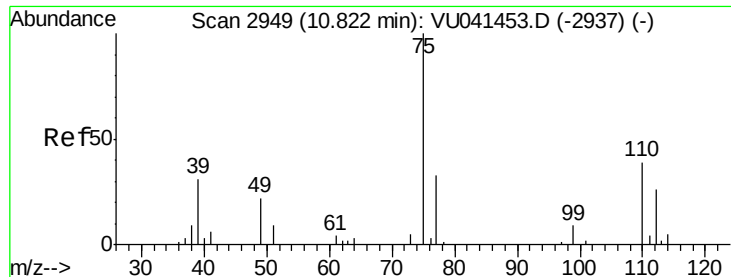


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.365 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

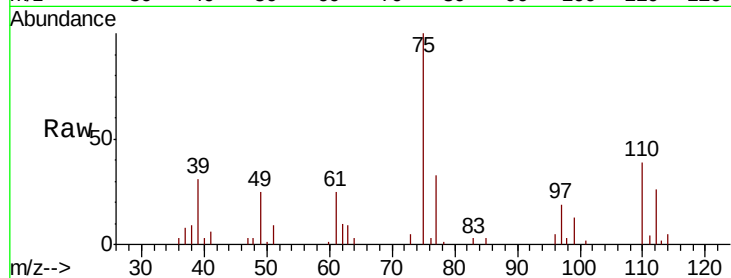
VSTD00501

Tot Ion: 75 Resp: 15531

Ion Ratio Lower Upper

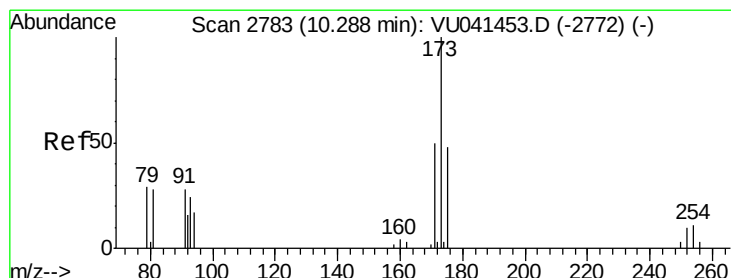
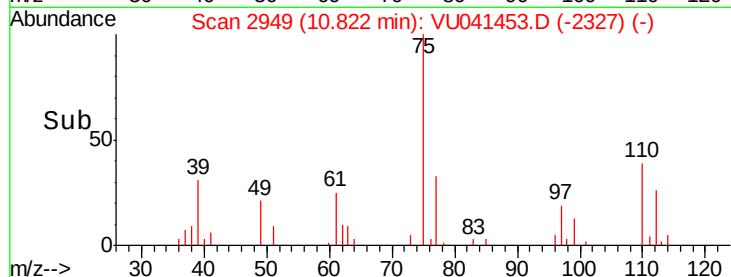
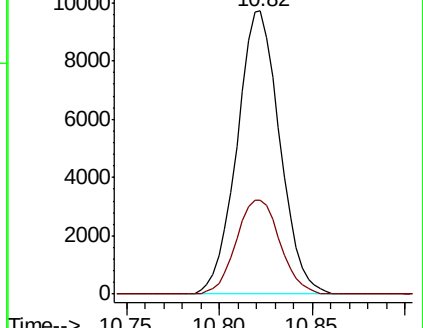
75 100

77 34.1 27.3 40.9



Abundance Ion 75.00 (74.70 to 75.70): VU041453.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041453.D (-2937) (-)



#61

Bromoform

Concen: 5.900 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

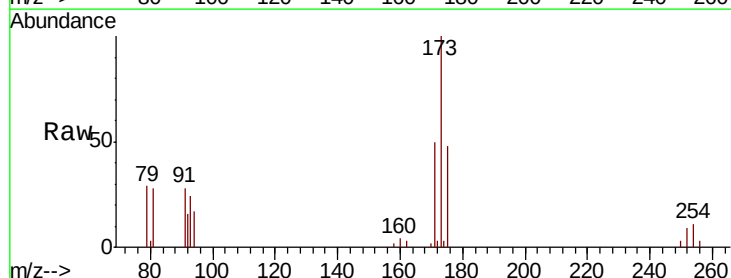
Tgt Ion: 173 Resp: 14229

Ion Ratio Lower Upper

173 100

175 47.5 38.0 57.0

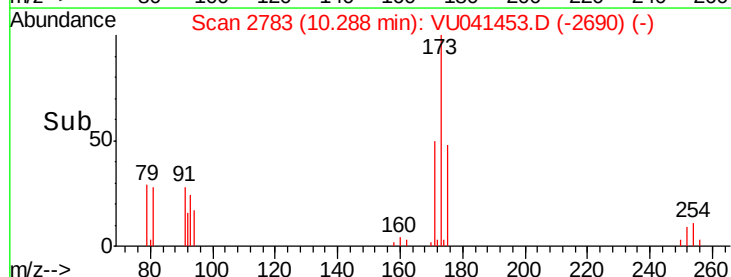
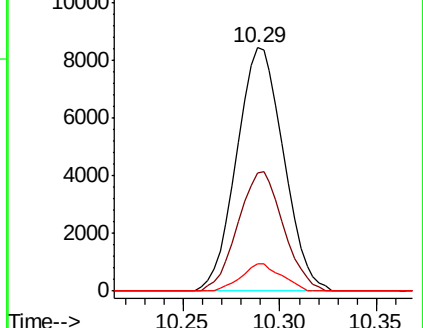
254 9.6 7.7 11.5

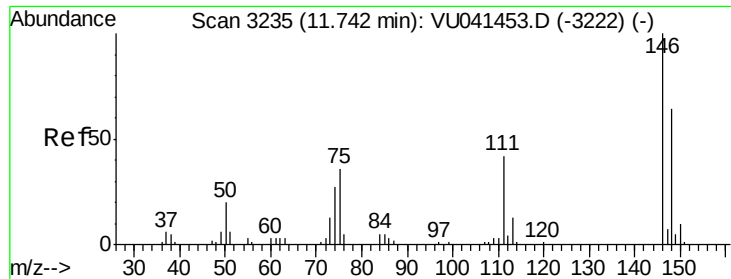


Abundance Ion 172.90 (172.60 to 173.60): VU041453.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041453.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041453.D (-2772) (-)

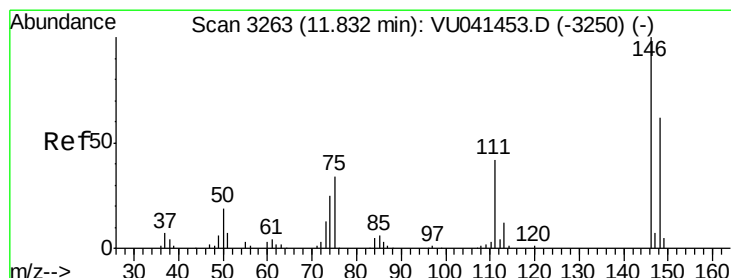
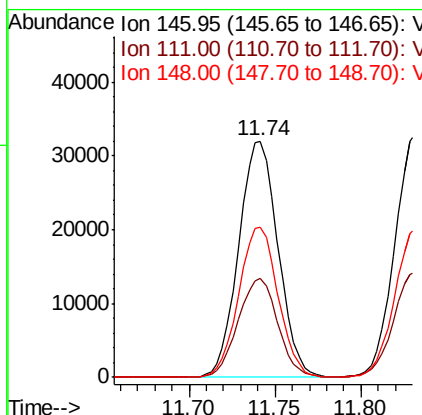
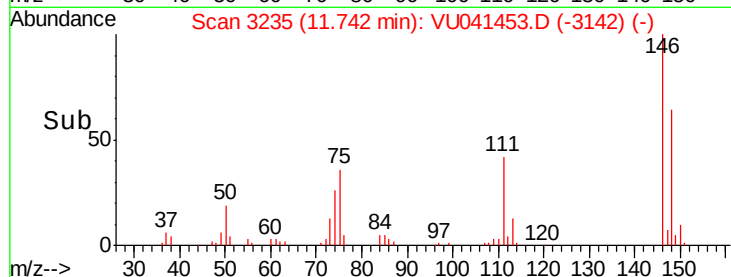
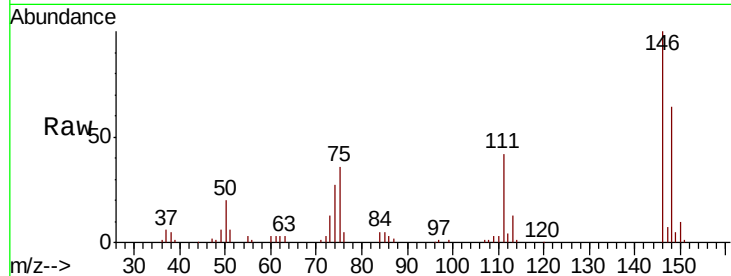




#62
 1,3-Dichlorobenzene
 Concen: 5.336 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

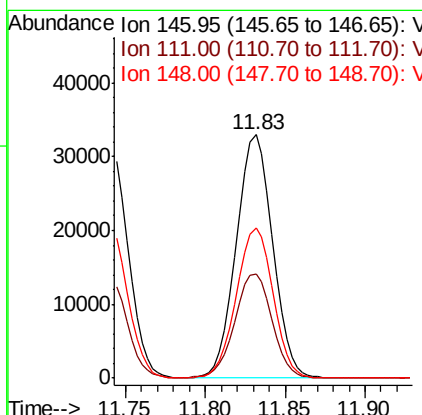
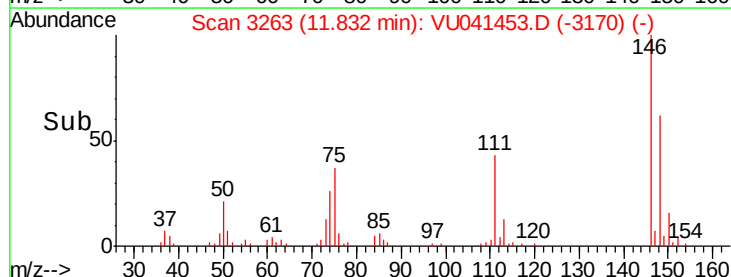
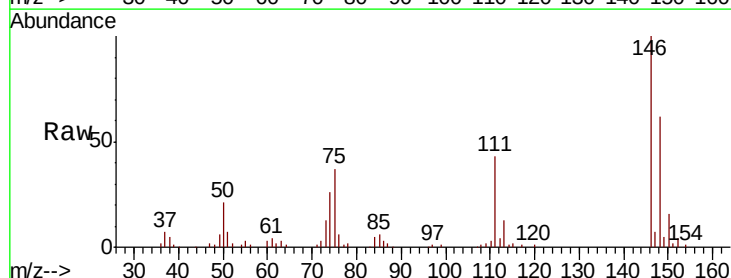
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

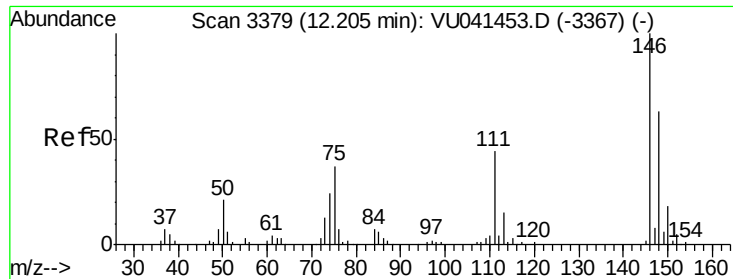
Tot Ion:146 Resp: 50775
 Ion Ratio Lower Upper
 146 100
 111 41.8 29.3 54.3
 148 63.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.405 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion:146 Resp: 51040
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.8 55.4
 148 61.6 43.1 80.1

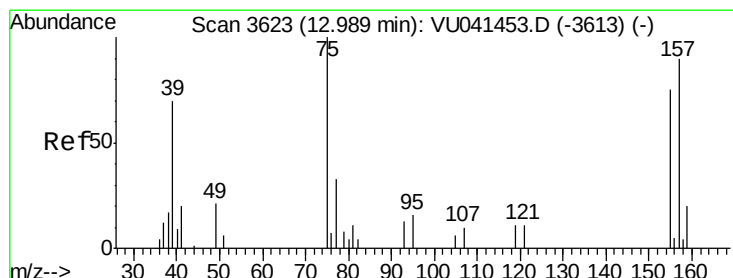
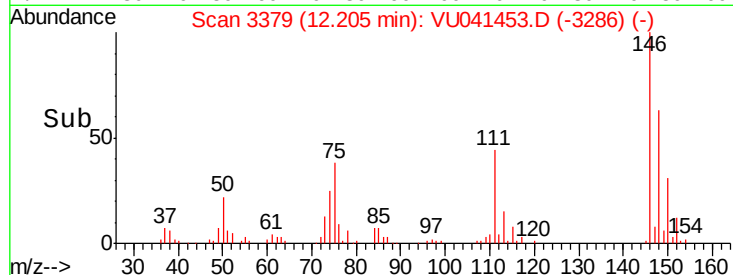
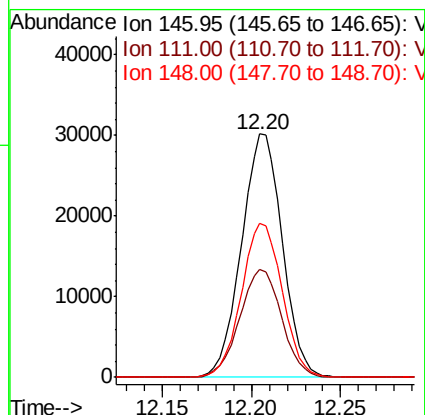
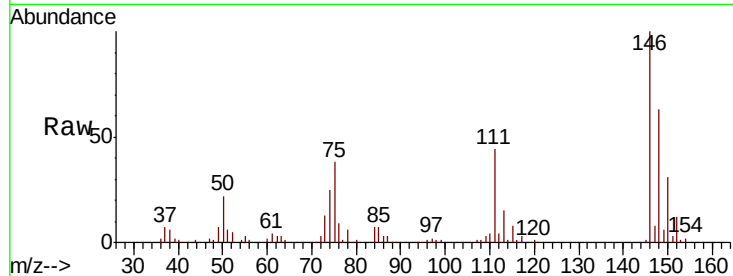




#65
 1,2-Dichlorobenzene
 Concen: 5.437 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

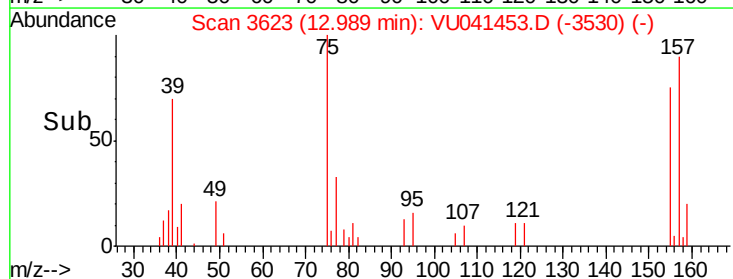
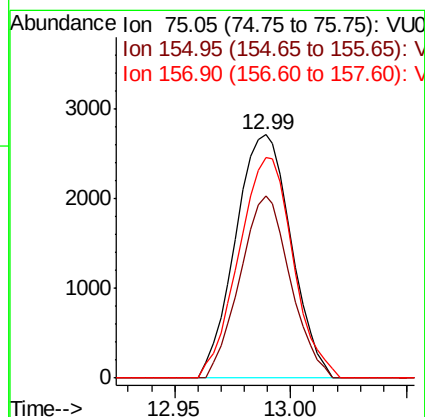
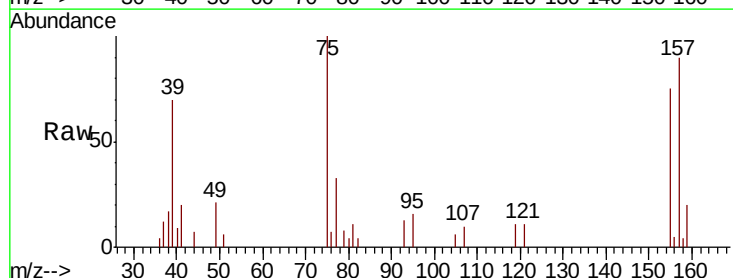
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

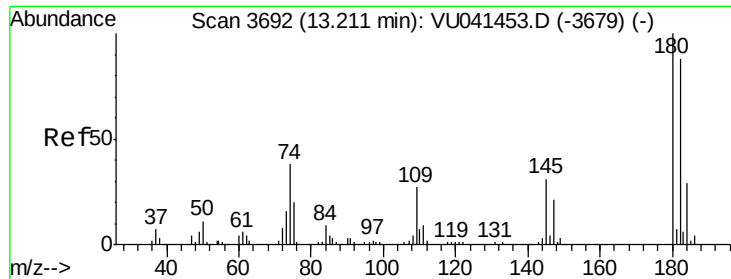
Tot Ion:146 Resp: 48120
 Ion Ratio Lower Upper
 146 100
 111 44.5 35.6 53.4
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.258 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion: 75 Resp: 4508
 Ion Ratio Lower Upper
 75 100
 155 75.0 60.0 90.0
 157 90.4 72.3 108.5

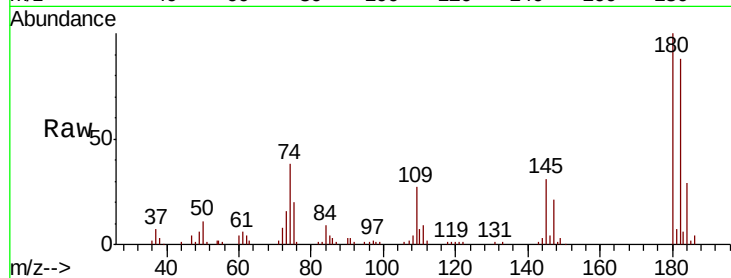




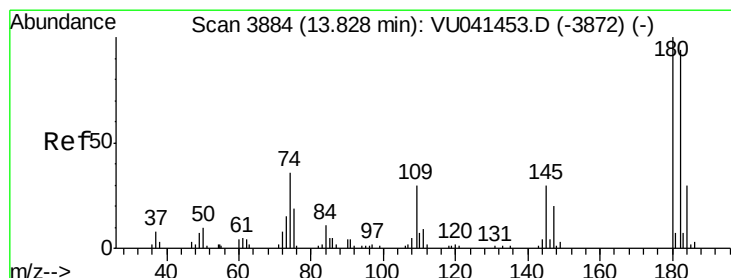
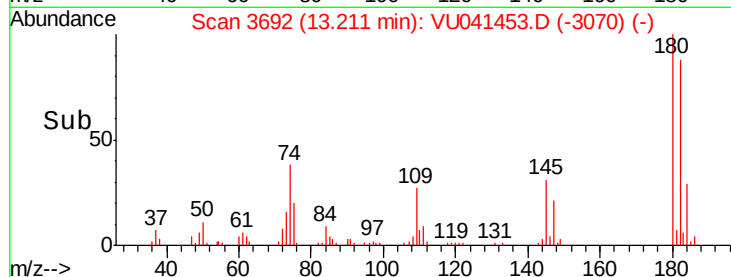
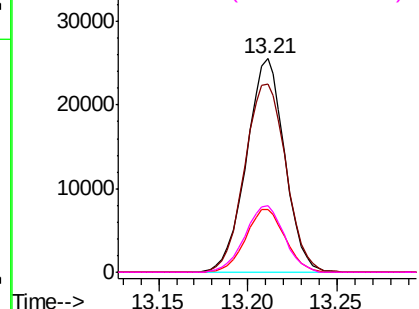
#67
 1,3,5-Trichlorobenzene
 Concen: 5.622 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00501

Tot Ion:180	Resp:	38280
Ion Ratio	Lower	Upper
180 100		
182 95.3	76.2	114.4
184 30.4	24.3	36.5
145 32.1	25.7	38.5

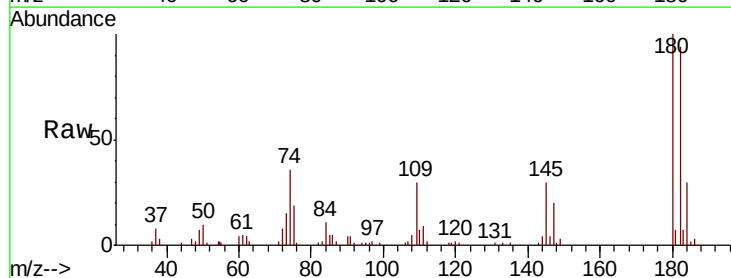


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

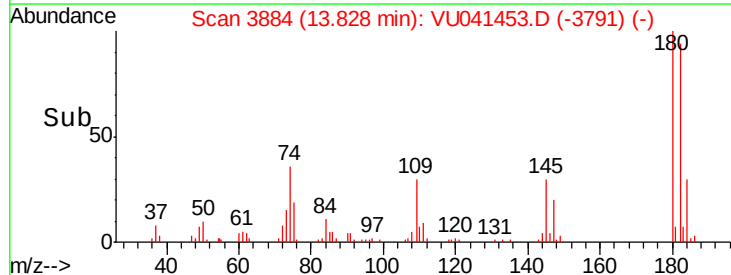
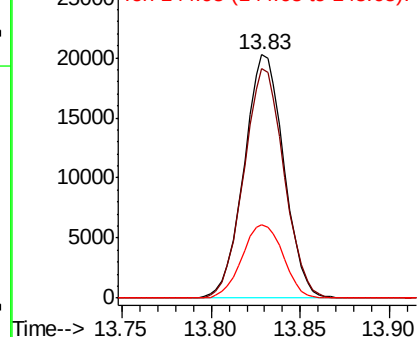


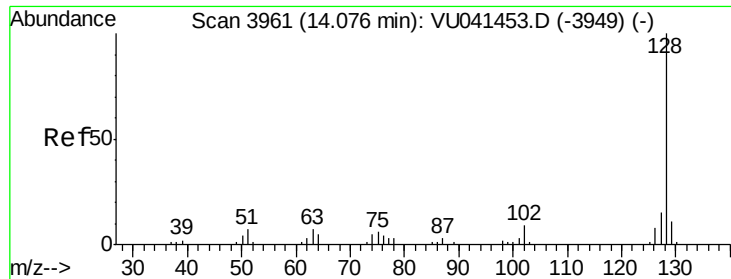
#68
 1,2,4-trichlorobenzene
 Concen: 5.851 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041453.D
 Acq: 03 Dec 2020 16:44

Tgt Ion:180	Resp:	31424	
Ion Ratio	Lower	Upper	
180 100			
182 95.1	76.1	114.1	
145 31.1	24.9	37.3	



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.528 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

Instrument :

MSVOA_Y

ClientSampleId :

VSTD00501

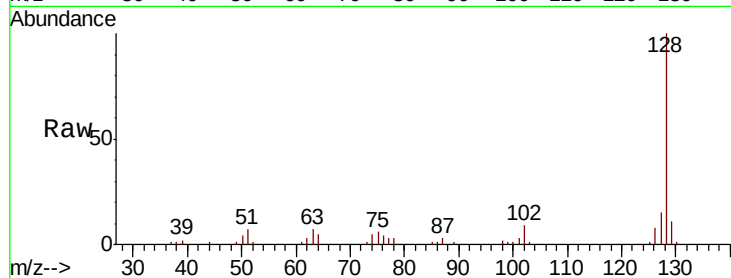
Tot Ion:128 Resp: 46296

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

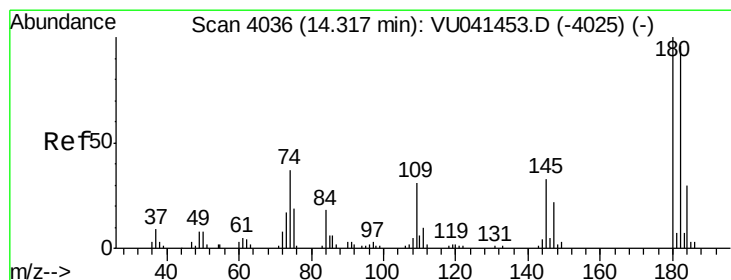
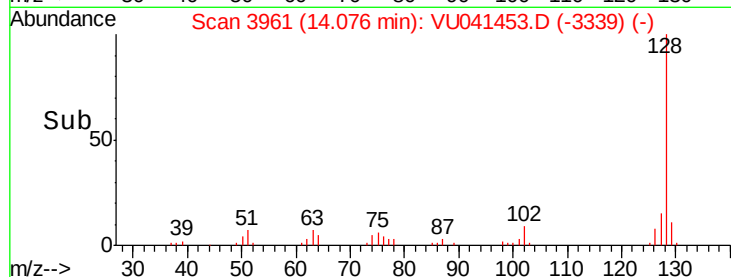
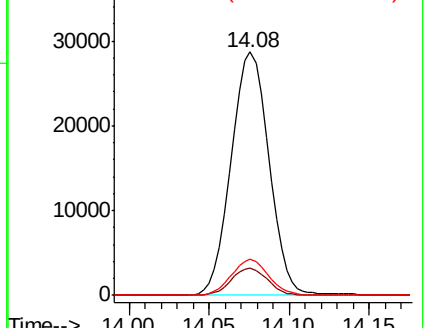
127 14.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.781 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041453.D

Acq: 03 Dec 2020 16:44

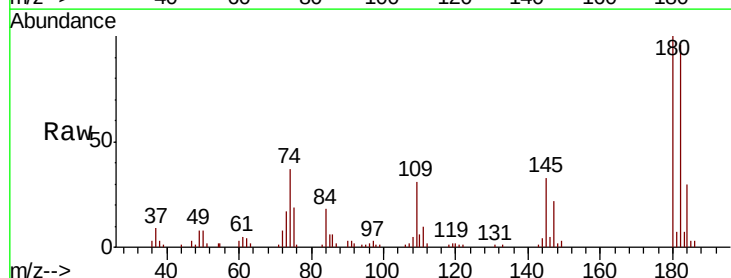
Tgt Ion:180 Resp: 28166

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 33.6 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

