

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040760.D
 Acq On : 16 Oct 2020 20:10
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Oct 16 23:43:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127585	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128686	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69178	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37717	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	1.92	69	36545	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.58	63	86656	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	4.66	46	189726	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	5.08	84	92742	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	58000	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.74	84	162796	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	57302	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	145832	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	8.19	79	23184	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	136885	54.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55874	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	60866	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	51881	4.488 ug/L	99
3) Chloromethane	1.53	50	45704	4.228 ug/L	99
5) Vinyl chloride	1.61	62	50723	4.455 ug/L	88
6) Bromomethane	1.87	94	20740	3.355 ug/L	99
8) Chloroethane	1.94	64	33945	4.683 ug/L	94
9) Trichlorofluoromethane	2.15	101	79741	4.878 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52998	4.994 ug/L	97
12) 1,1-Dichloroethene	2.59	96	45148	4.959 ug/L	96
13) Acetone	2.68	43	123852	47.230 ug/L	99
14) Carbon disulfide	2.81	76	105138	4.126 ug/L	97
15) Methyl Acetate	2.97	43	28193	4.708 ug/L	99
16) Methylene chloride	3.06	84	54350	4.650 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	127470	4.952 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	44926	4.714 ug/L	96
19) 1,1-Dichloroethane	3.89	63	100456	5.097 ug/L	98
21) 2-Butanone	4.74	43	201569	49.303 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	50911	4.954 ug/L	92

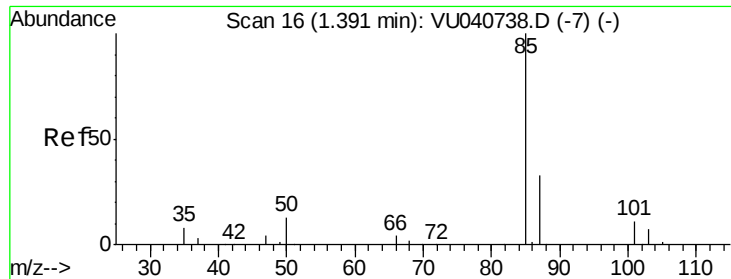
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26837	5.257	ug/L	98
25) Chloroform	5.11	83	106350	5.285	ug/L	98
27) 1,2-Dichloroethane	5.81	62	73145	5.136	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	86811	5.020	ug/L	99
30) Cyclohexane	5.40	56	68675	4.310	ug/L	98
31) Carbon tetrachloride	5.54	117	75493	5.101	ug/L	99
33) Benzene	5.79	78	204832	4.954	ug/L	100
34) Trichloroethene	6.56	95	51012	4.760	ug/L	100
35) Methylcyclohexane	6.78	83	65960	4.340	ug/L	99
37) 1,2-Dichloropropane	6.80	63	58491	5.078	ug/L	99
38) Bromodichloromethane	7.11	83	76987	5.228	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	76471	4.859	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	470917	51.277	ug/L	99
42) Toluene	7.98	91	217443	5.161	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	72069	4.974	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	43510	5.043	ug/L	97
47) Tetrachloroethene	8.56	164	38592	5.048	ug/L	94
48) 2-Hexanone	8.69	43	361547	52.877	ug/L	100
49) Dibromochloromethane	8.82	129	53497	5.389	ug/L	97
50) 1,2-Dibromoethane	8.93	107	40650	4.967	ug/L	99
51) Chlorobenzene	9.45	112	139916	5.042	ug/L	98
52) Ethylbenzene	9.57	91	225770	4.952	ug/L	100
53) m,p-Xylene	9.70	106	84651	5.094	ug/L	99
54) o-Xylene	10.10	106	81590	5.105	ug/L	94
55) Styrene	10.11	104	151920	5.474	ug/L	100
56) Isopropylbenzene	10.48	105	222978	5.183	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58490	5.164	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	42609	5.036	ug/L	99
61) Bromoform	10.29	173	29813	5.027	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	114188	5.043	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	116204	4.977	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	109002	4.924	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9610	4.958	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	76232	4.745	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	60467	4.871	ug/L	99
69) Naphthalene	14.08	128	94865	4.672	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	57905	5.024	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.488 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

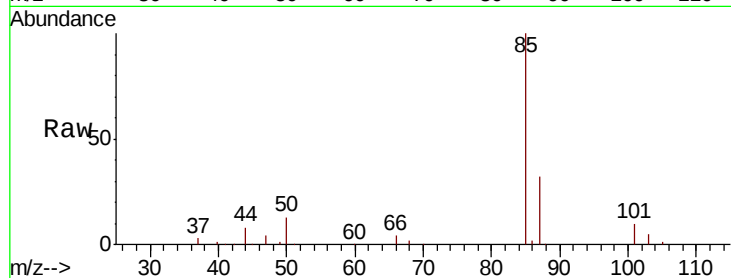
VSTD00514

Tot Ion: 85 Resp: 51881

Ion Ratio Lower Upper

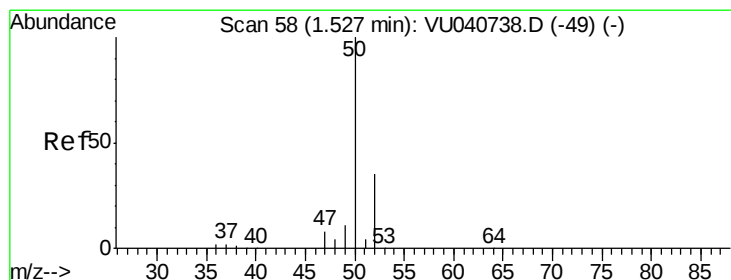
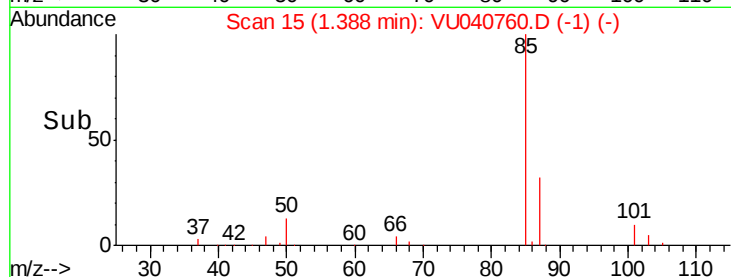
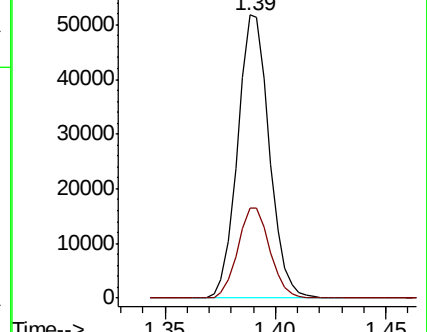
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040738.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040738.D (-7) (-)



#3

Chloromethane

Concen: 4.228 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040760.D

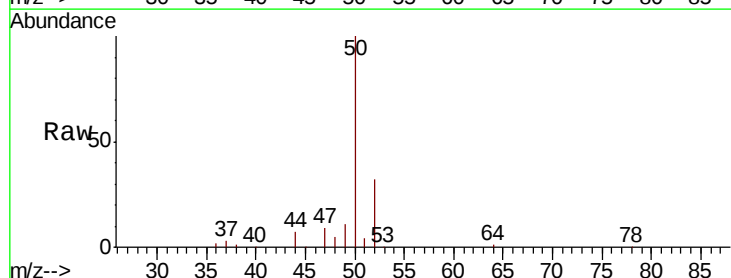
Acq: 16 Oct 2020 20:10

Tgt Ion: 50 Resp: 45704

Ion Ratio Lower Upper

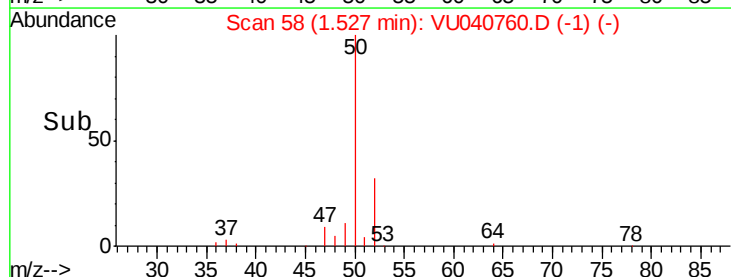
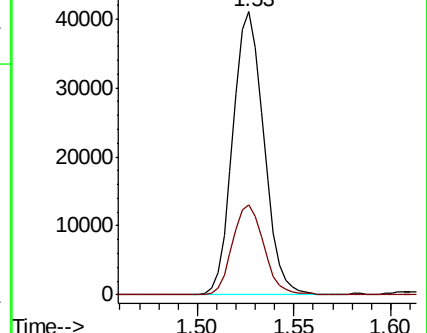
50 100

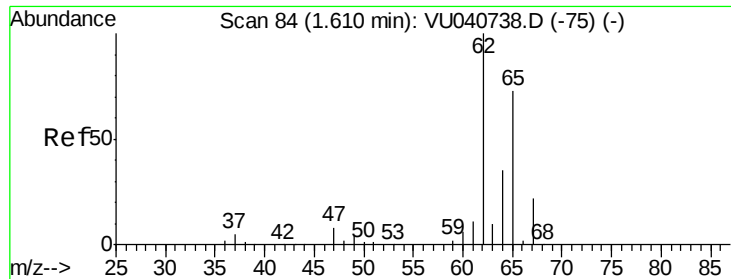
52 31.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040738.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040738.D (-49) (-)





#5

Vinyl chloride

Concen: 4.455 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

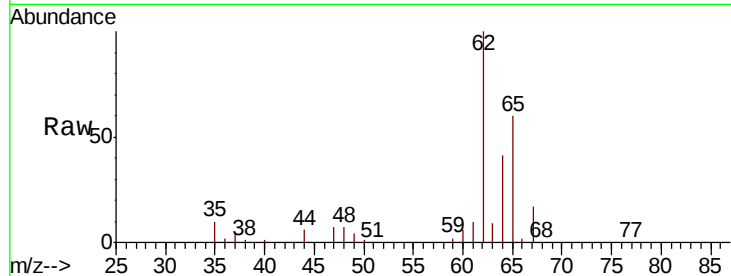
VSTD00514

Tot Ion: 62 Resp: 50723

Ion Ratio Lower Upper

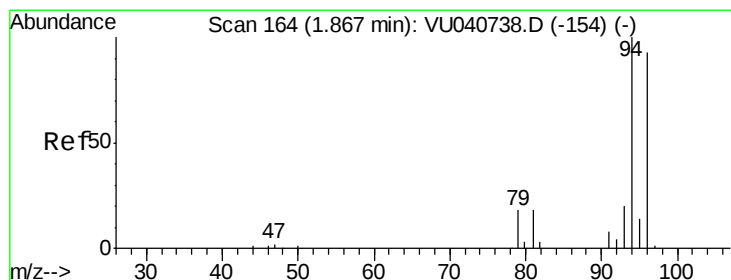
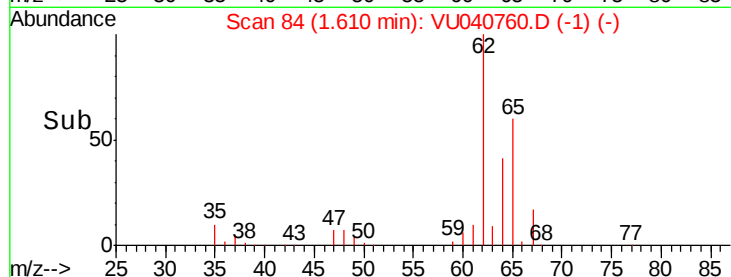
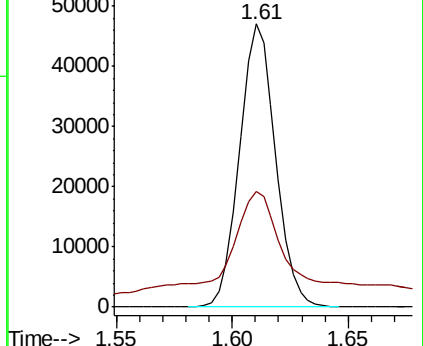
62 100

64 40.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040760.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040760.D (-75) (-)



#6

Bromomethane

Concen: 3.355 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040760.D

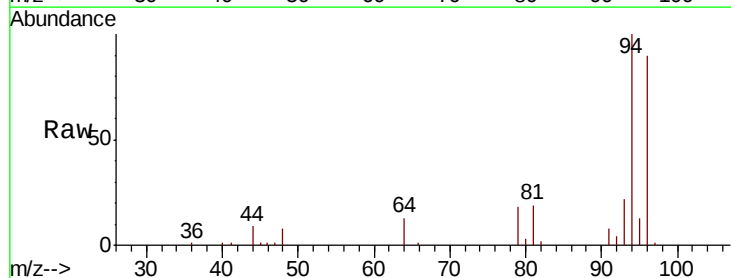
Acq: 16 Oct 2020 20:10

Tgt Ion: 94 Resp: 20740

Ion Ratio Lower Upper

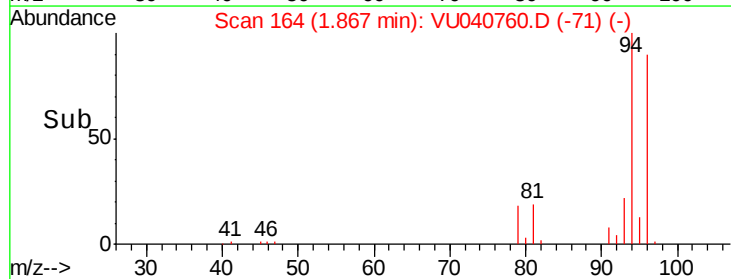
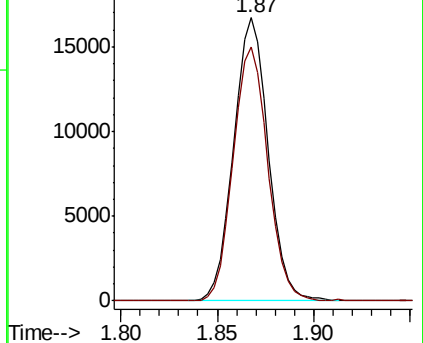
94 100

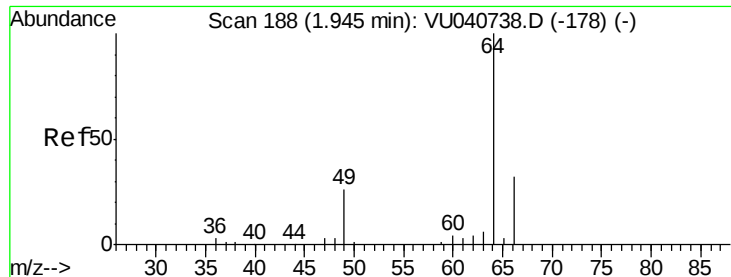
96 89.5 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU040760.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040760.D (-154) (-)

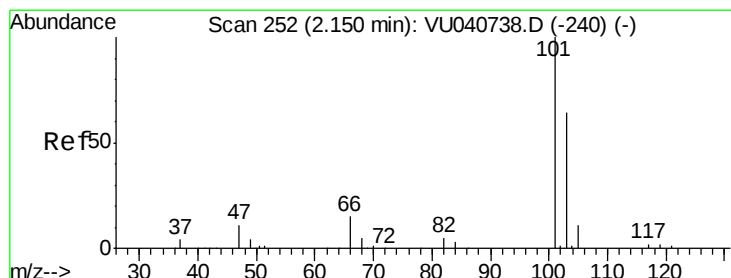
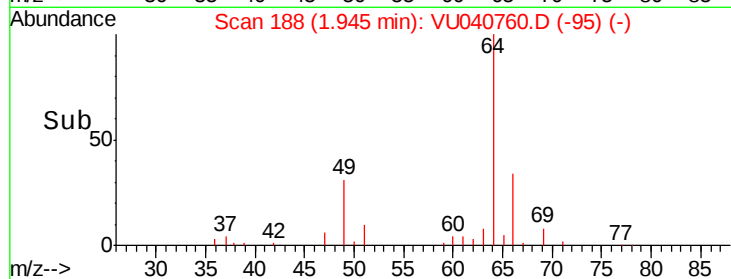
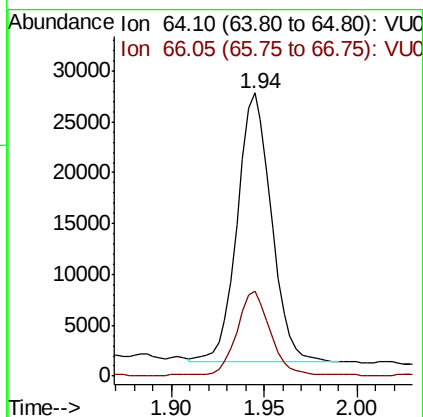
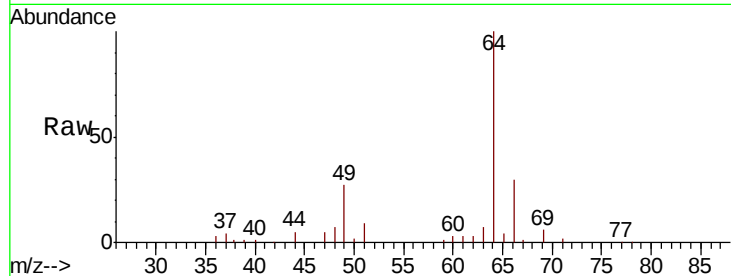




#8
Chloroethane
Concen: 4.683 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

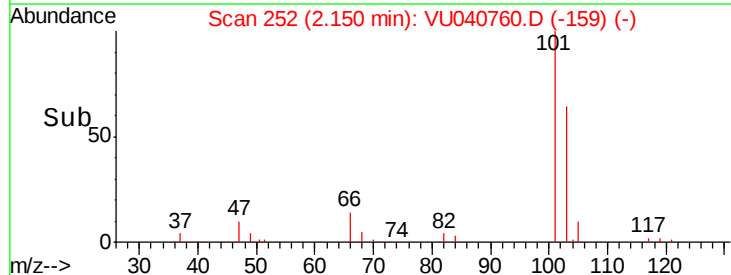
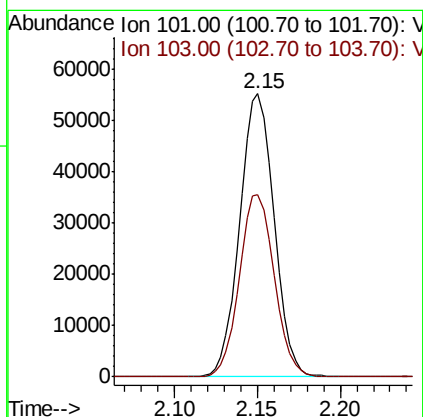
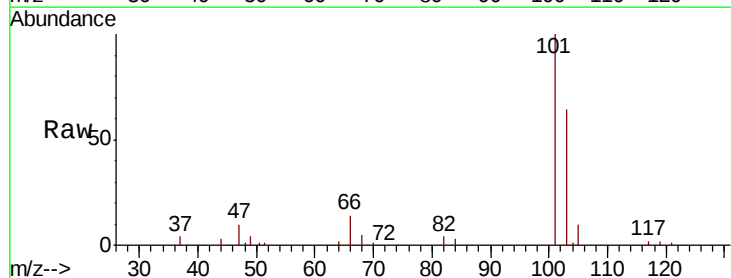
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

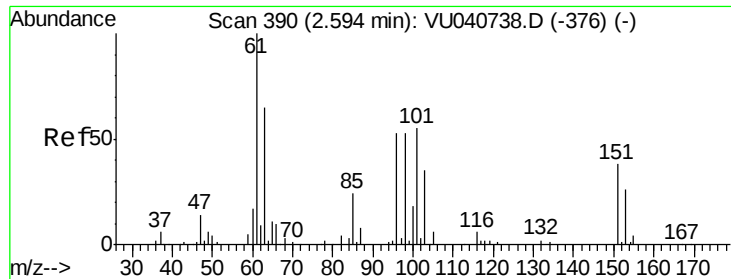
Tot Ion: 64 Resp: 33945
Ion Ratio Lower Upper
64 100
66 29.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.878 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion:101 Resp: 79741
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 4.994 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

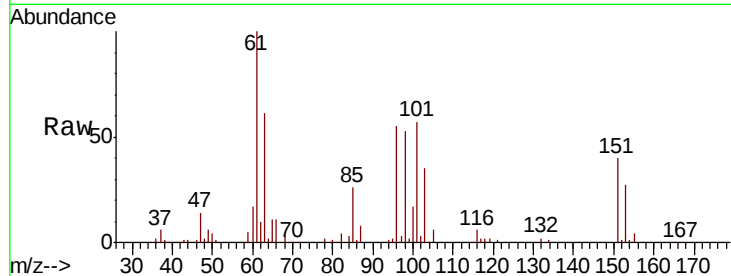
Tot Ion:101 Resp: 52998

Ion Ratio Lower Upper

101 100

85 44.5 36.7 55.1

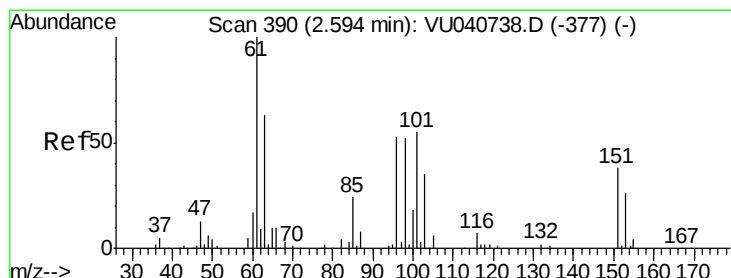
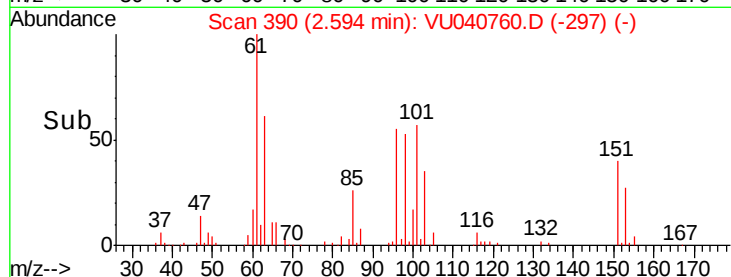
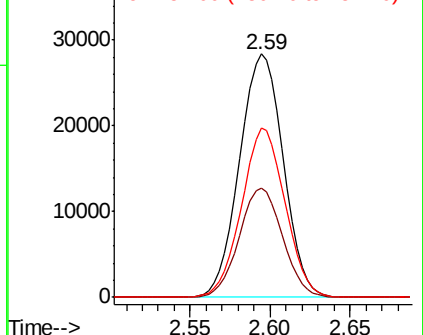
151 69.3 58.0 87.0



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: 4.959 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

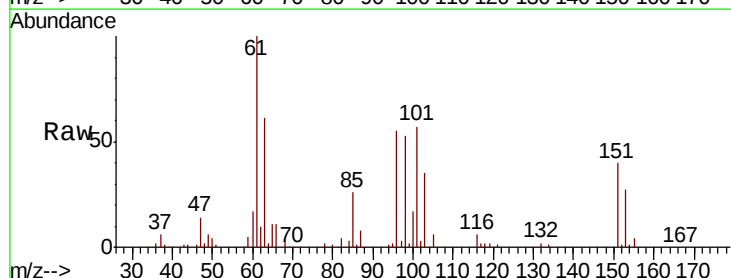
Tgt Ion: 96 Resp: 45148

Ion Ratio Lower Upper

96 100

61 182.9 128.8 239.2

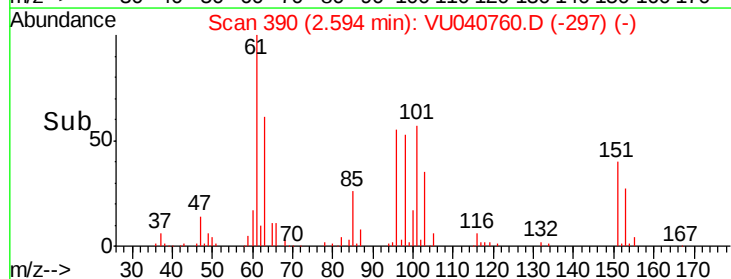
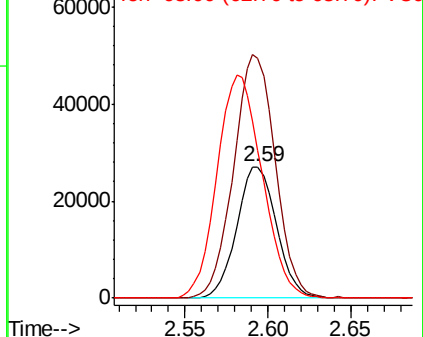
63 112.1 84.6 157.2

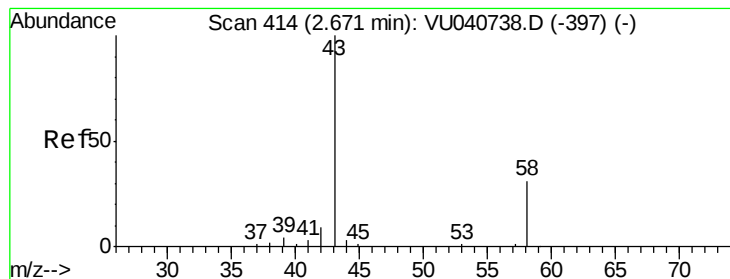


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.230 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

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ClientSampleId :

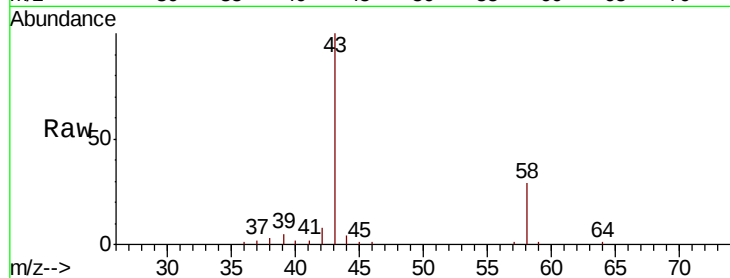
VSTD00514

Tot Ion: 43 Resp: 123852

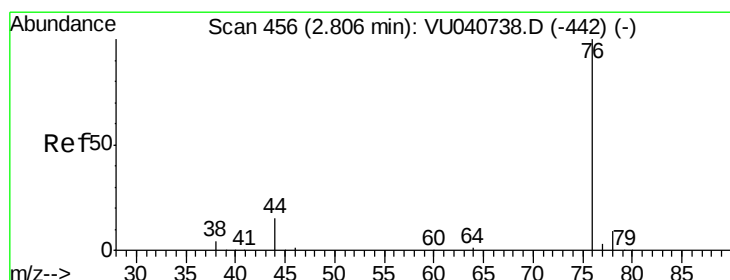
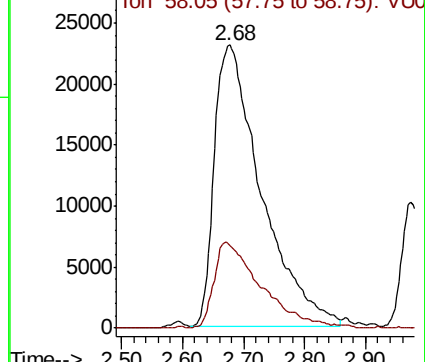
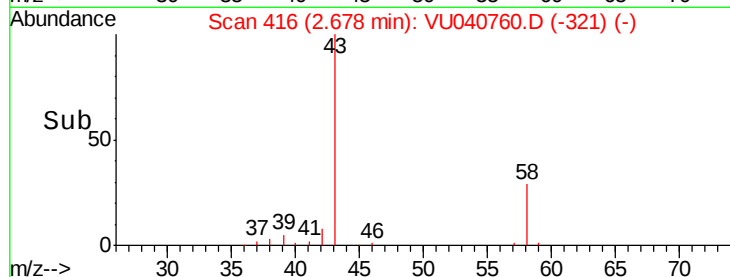
Ion Ratio Lower Upper

43 100

58 29.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040760.D (-321) (-)



#14

Carbon disulfide

Concen: 4.126 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040760.D

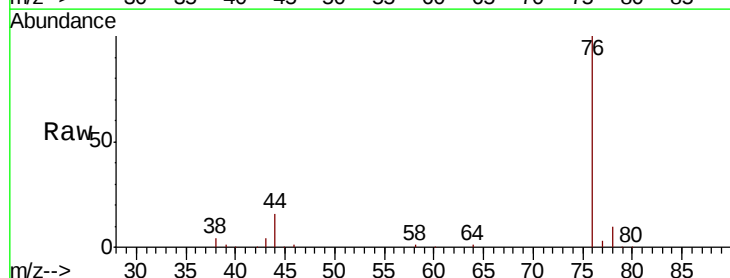
Acq: 16 Oct 2020 20:10

Tgt Ion: 76 Resp: 105138

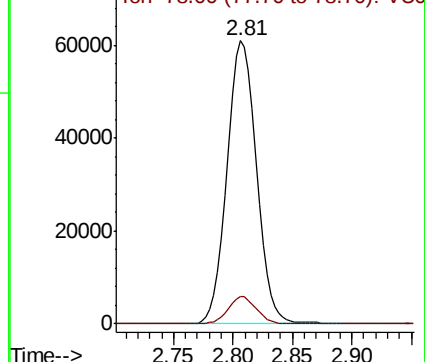
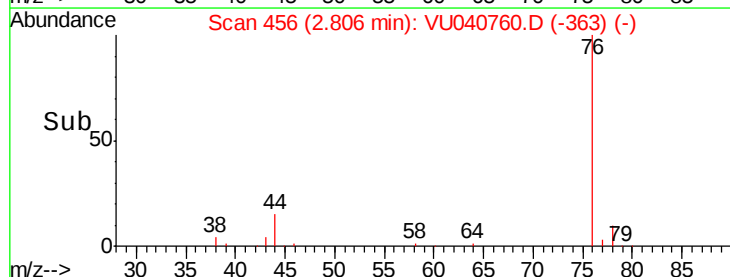
Ion Ratio Lower Upper

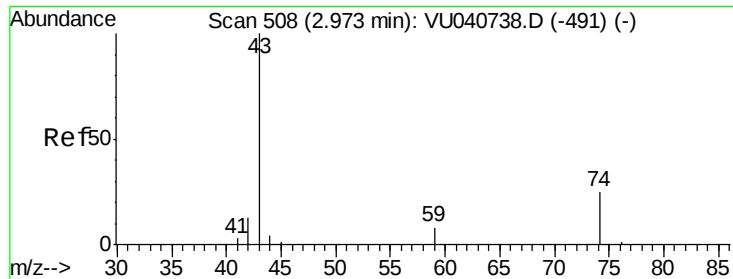
76 100

78 9.7 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040760.D (-363) (-)

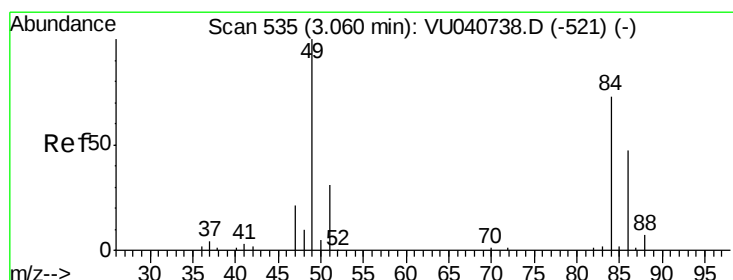
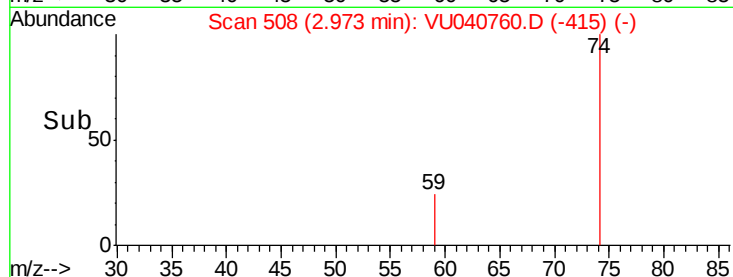
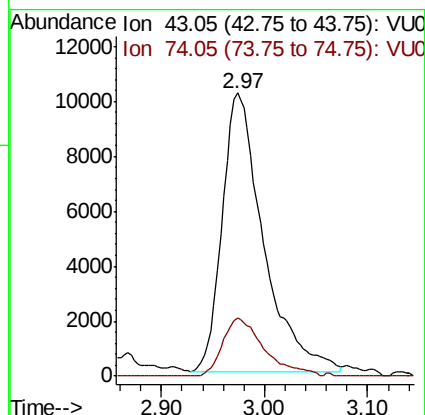
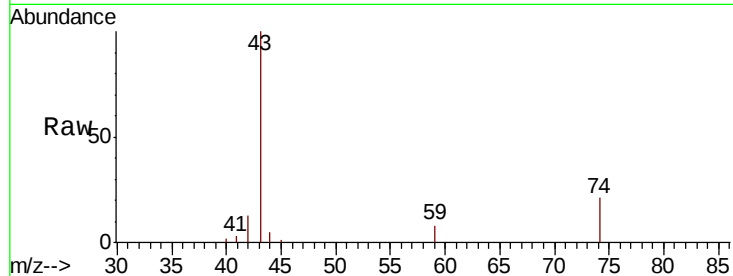




#15
Methvl Acetate
Concen: 4.708 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

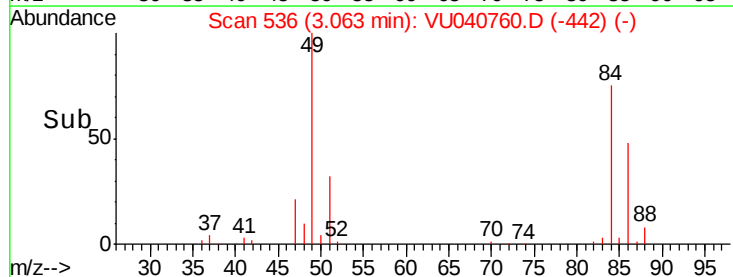
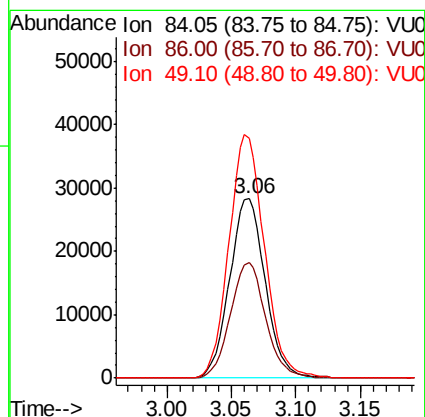
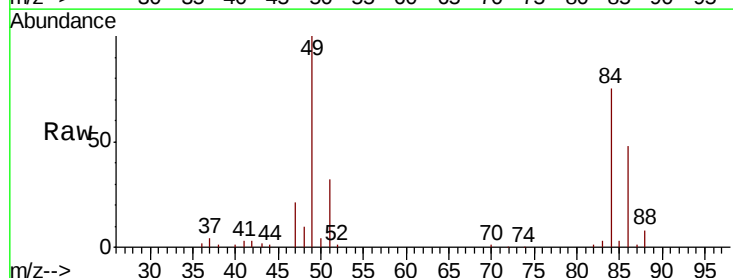
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

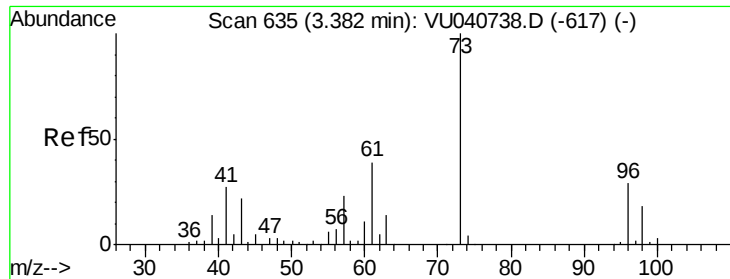
Tot Ion: 43 Resp: 28193
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7



#16
Methylene chloride
Concen: 4.650 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion: 84 Resp: 54350
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.4
49 133.6 99.8 185.3

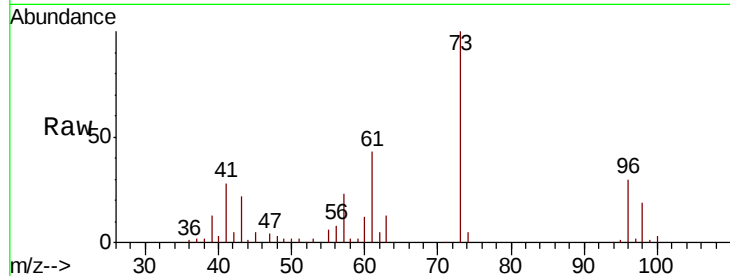




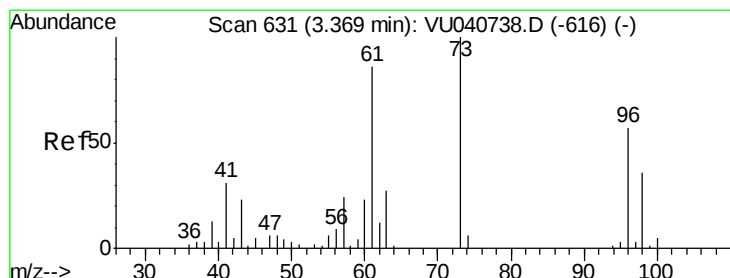
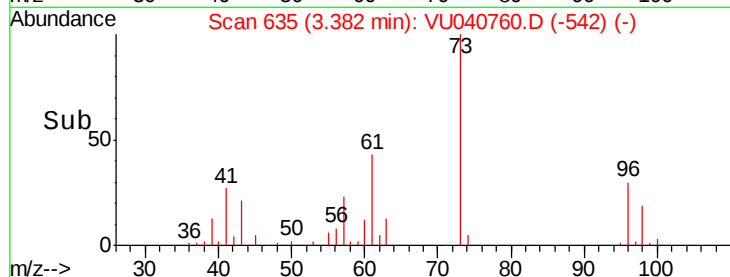
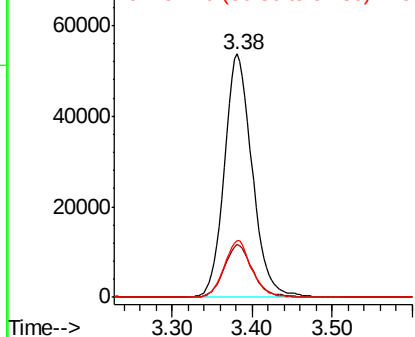
#17
Methvl tert-butvl Ether
Concen: 4.952 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 73 Resp: 127470
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.4
57 23.0 18.6 28.0

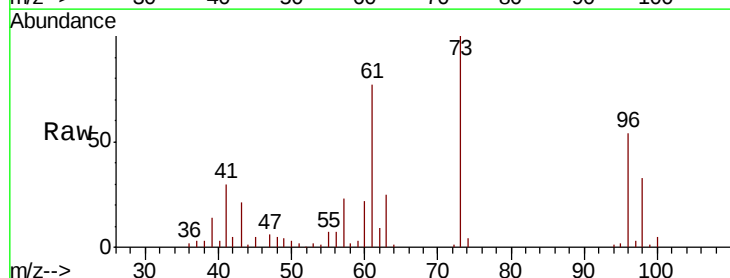


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

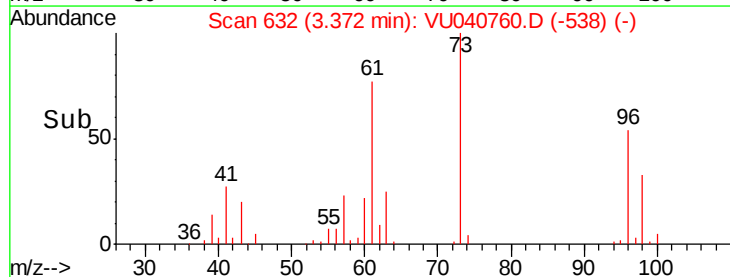
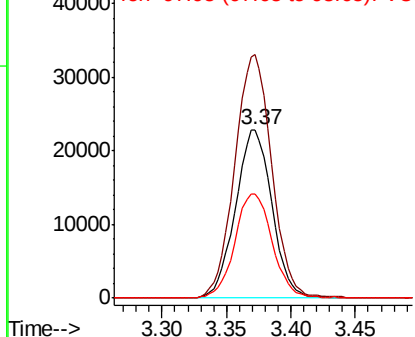


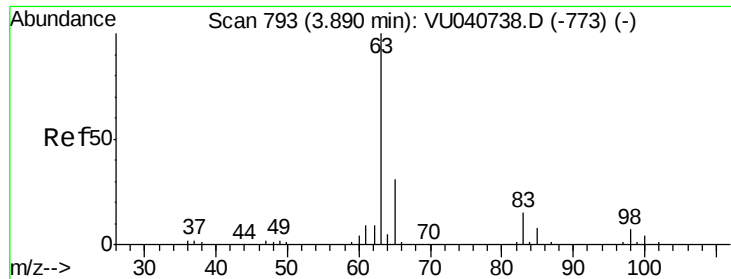
#18
trans-1,2-Dichloroethene
Concen: 4.714 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion: 96 Resp: 44926
Ion Ratio Lower Upper
96 100
61 144.3 105.9 196.7
98 61.4 43.8 81.3



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: 5.097 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampled :

VSTD00514

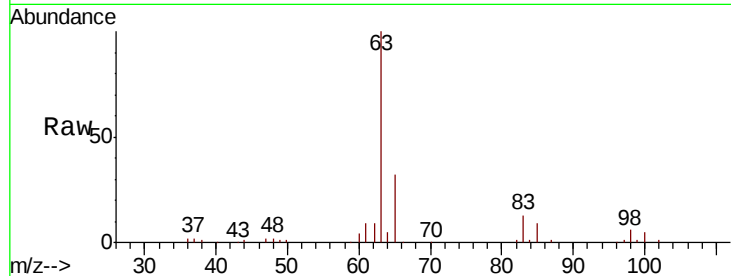
Tot Ion: 63 Resp: 100456

Ion Ratio Lower Upper

63 100

65 32.1 21.9 40.7

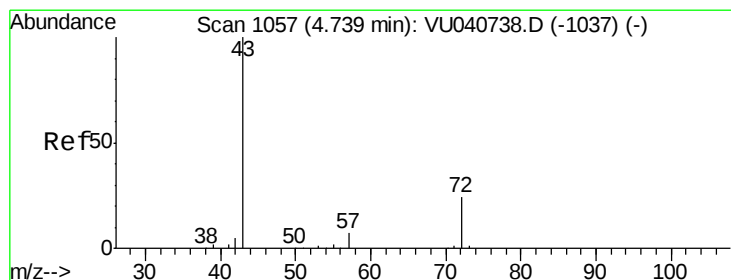
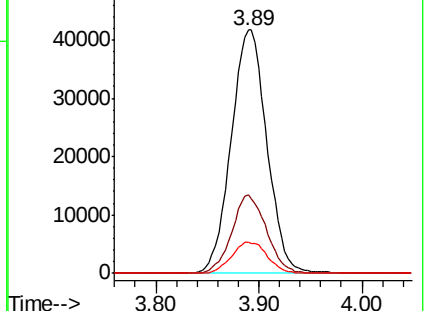
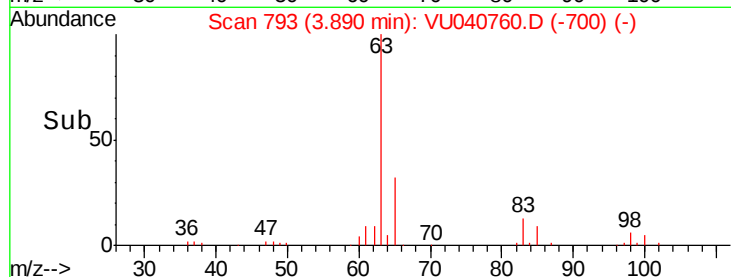
83 12.6 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040760.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040760.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040760.D (-700) (-)



#21

2-Butanone

Concen: 49.303 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040760.D

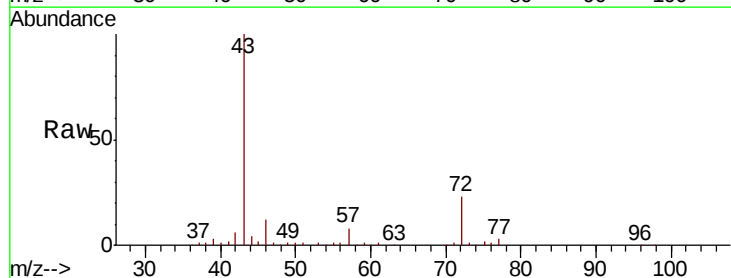
Acq: 16 Oct 2020 20:10

Tgt Ion: 43 Resp: 201569

Ion Ratio Lower Upper

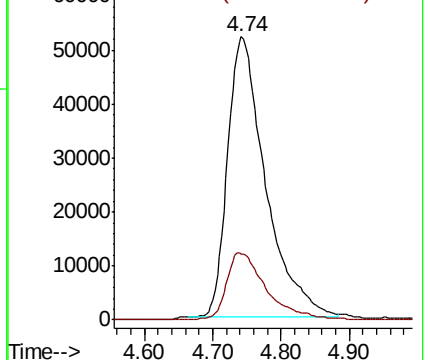
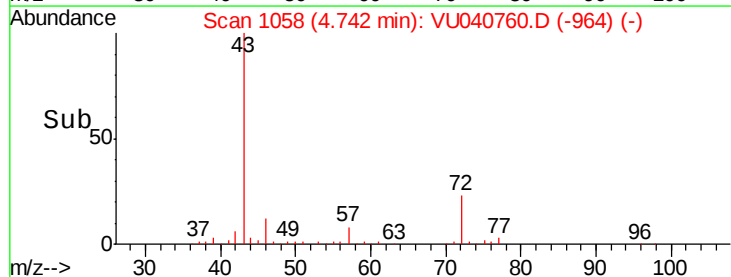
43 100

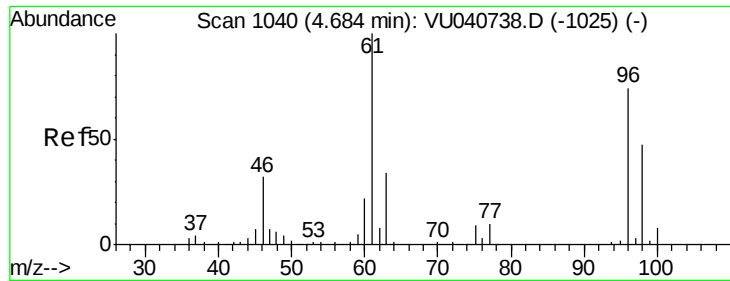
72 25.0 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040760.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU040760.D (-964) (-)

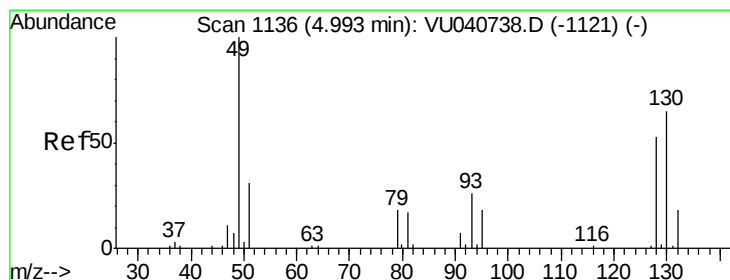
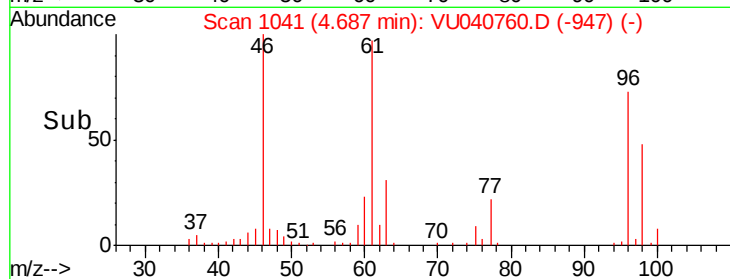
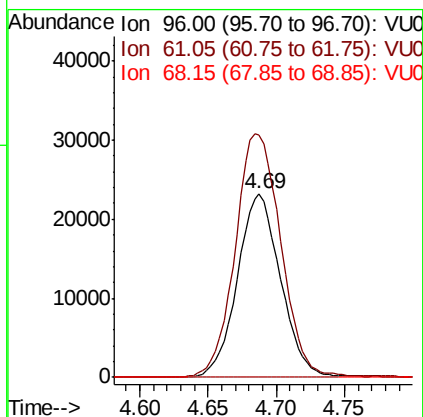
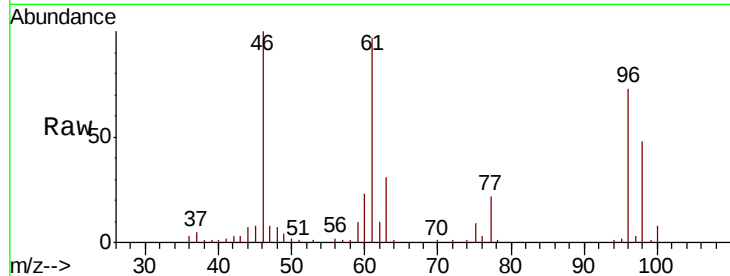




#22
 cis-1,2-Dichloroethene
 Concen: 4.954 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

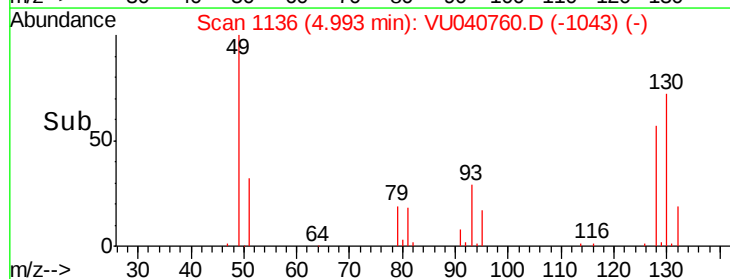
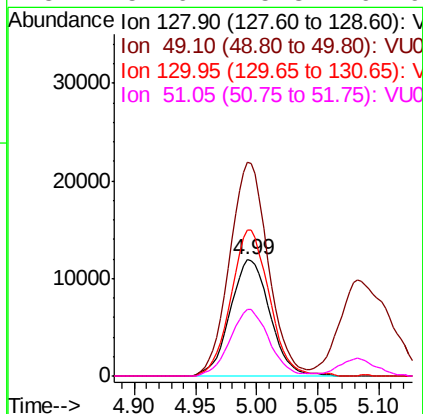
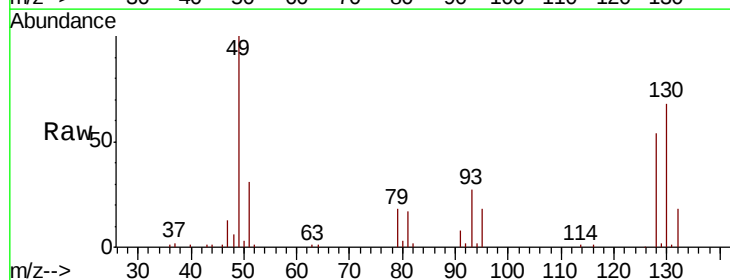
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

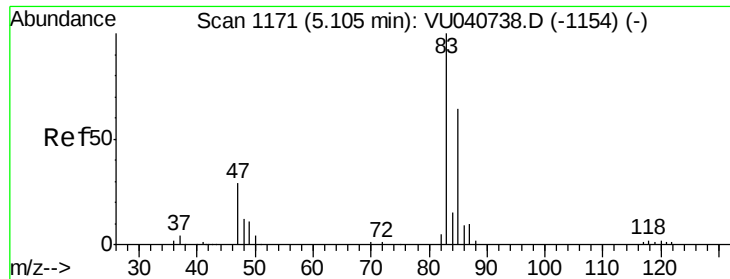
Tot Ion: 96 Resp: 50911
 Ion Ratio Lower Upper
 96 100
 61 132.3 99.8 185.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.257 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 128 Resp: 26837
 Ion Ratio Lower Upper
 128 100
 49 184.3 132.2 245.4
 130 126.1 89.2 165.8
 51 57.6 45.3 67.9

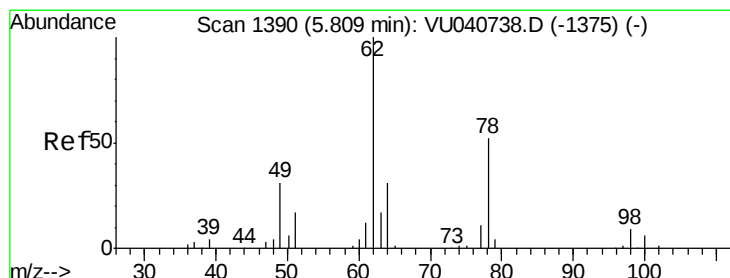
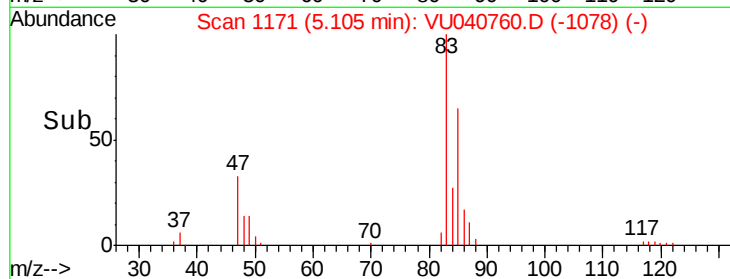
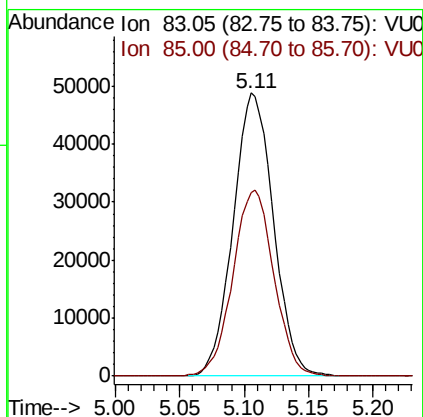
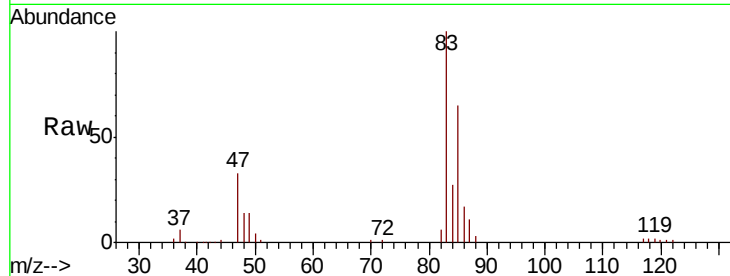




#25
Chloroform
Concen: 5.285 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

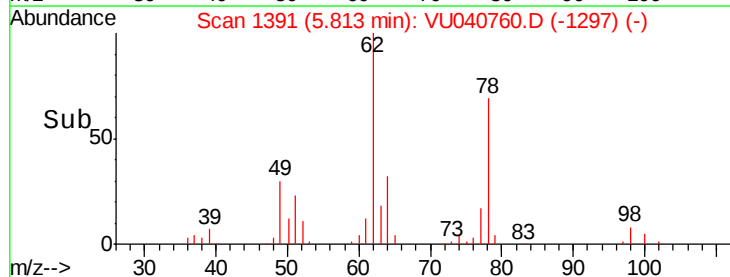
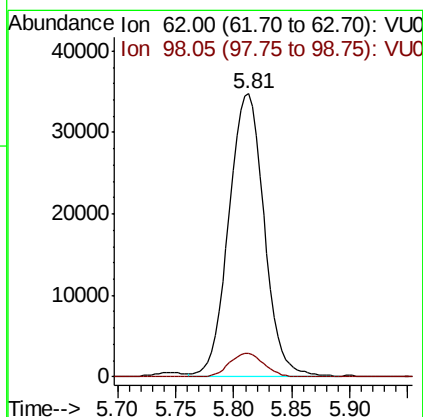
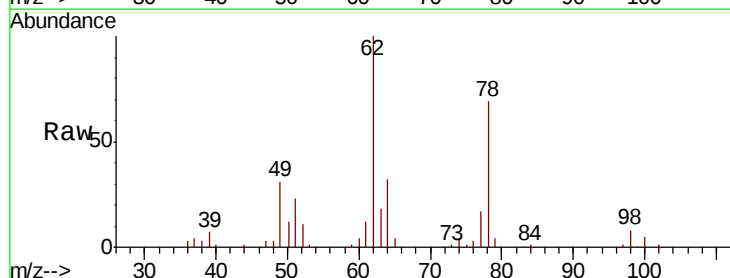
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

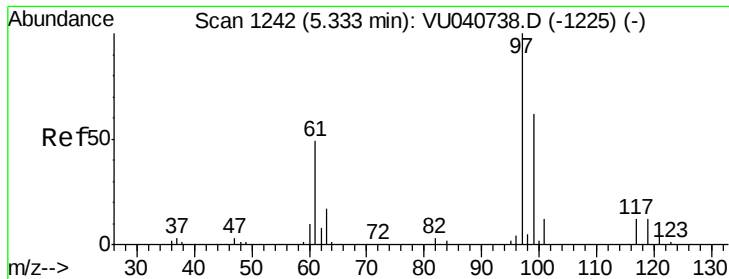
Tot Ion: 83 Resp: 106350
Ion Ratio Lower Upper
83 100
85 64.6 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.136 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion: 62 Resp: 73145
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0

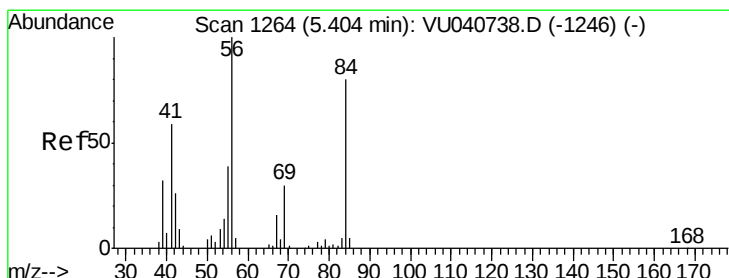
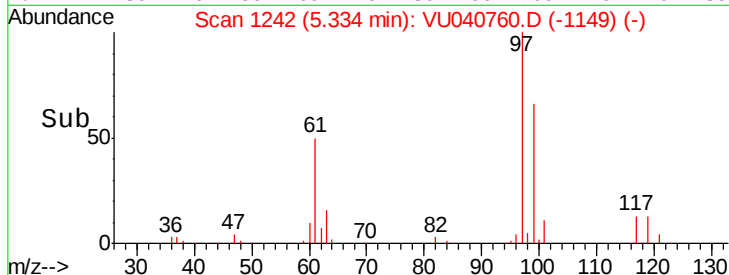
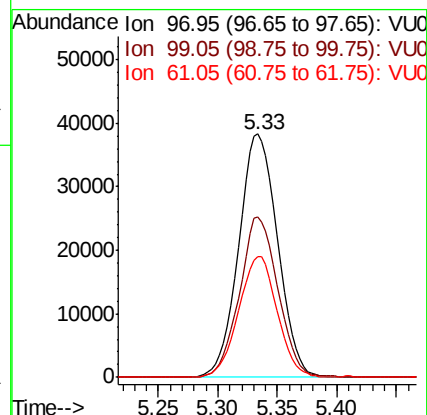
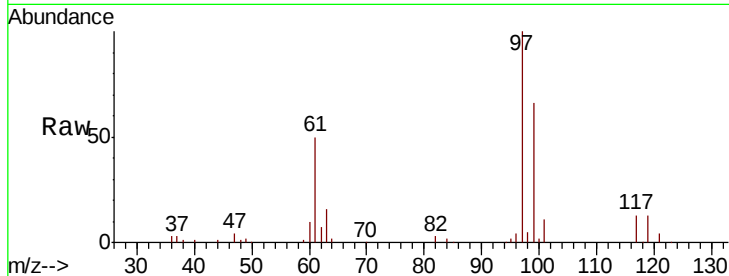




#29
 1,1,1-Trichloroethane
 Concen: 5.020 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

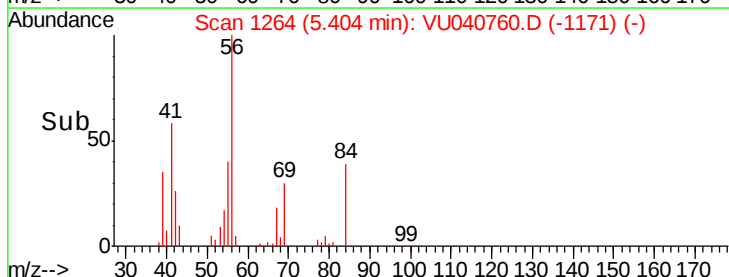
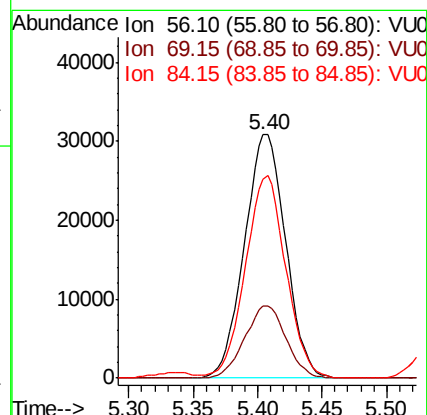
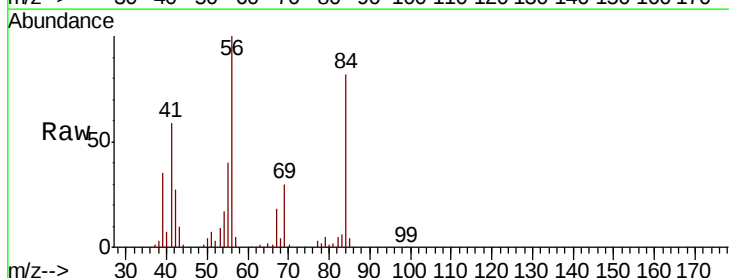
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

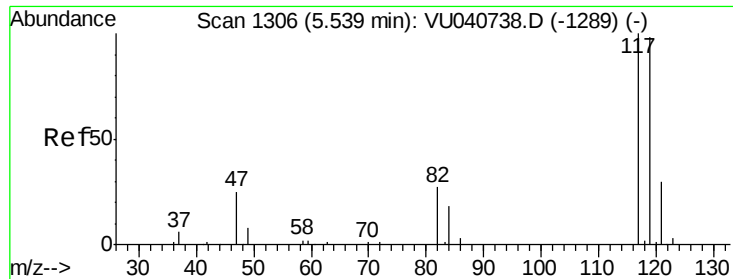
Tot Ion: 97 Resp: 86811
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.3 76.9
 61 49.3 39.4 59.2



#30
 Cyclohexane
 Concen: 4.310 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 56 Resp: 68675
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.8 35.8
 84 82.0 64.0 96.0

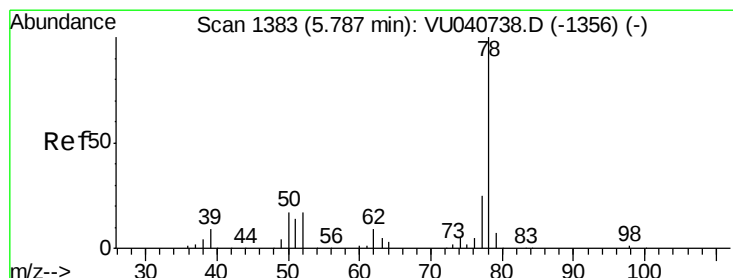
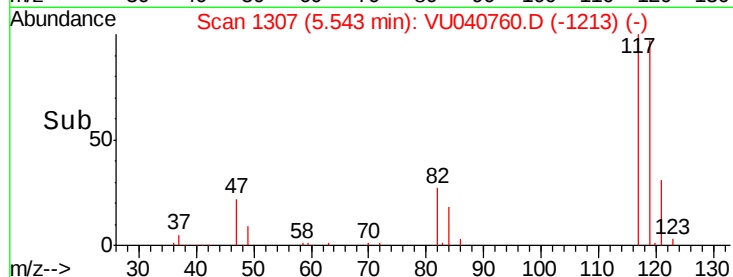
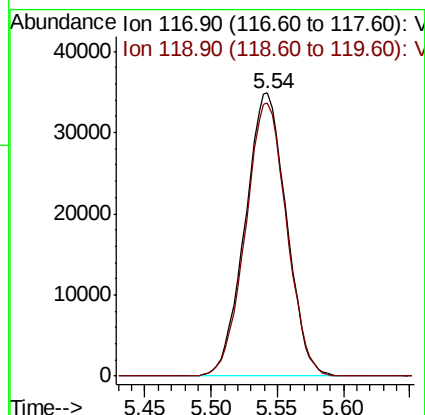
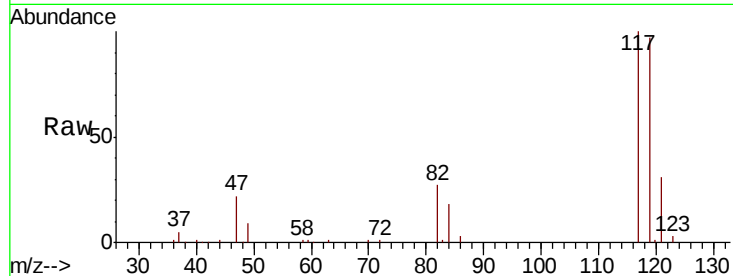




#31
Carbon tetrachloride
Concen: 5.101 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

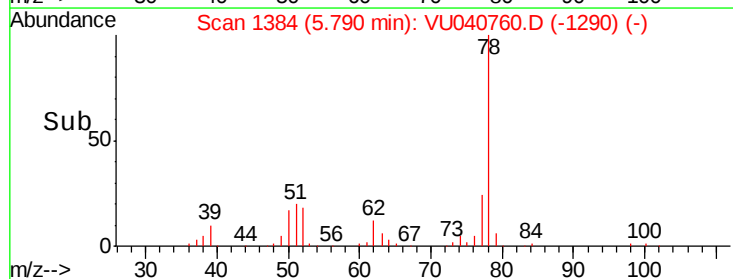
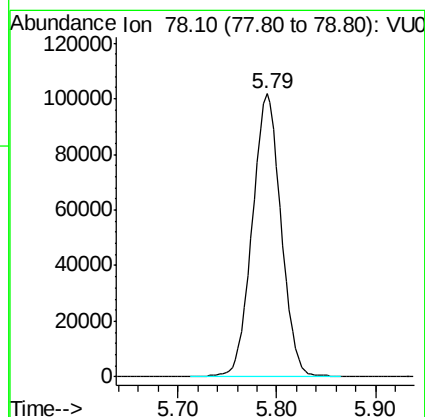
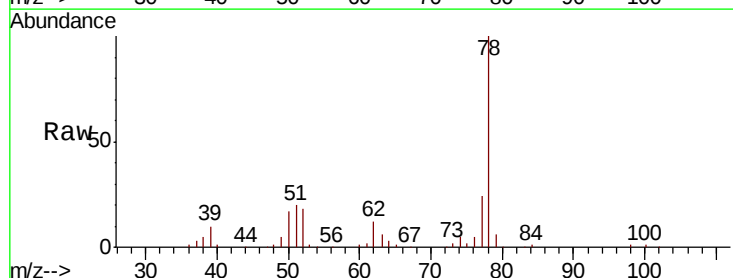
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

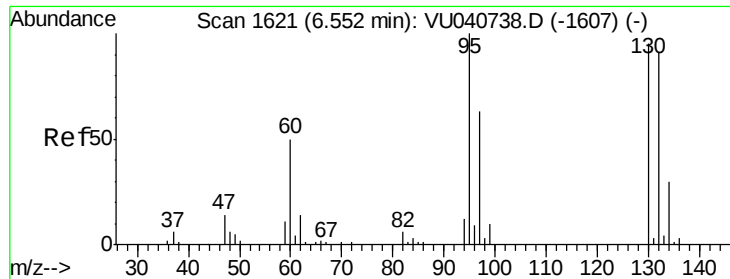
Tot Ion:117 Resp: 75493
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2



#33
Benzene
Concen: 4.954 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion: 78 Resp: 204832





#34

Trichloroethene

Concen: 4.760 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 51012

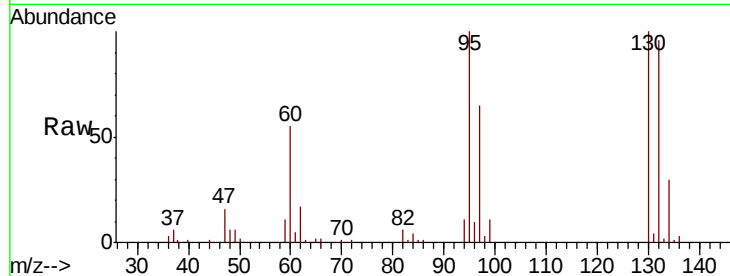
Ion Ratio Lower Upper

95 100

97 65.0 45.5 84.5

132 96.7 67.5 125.4

130 100.5 69.9 129.9

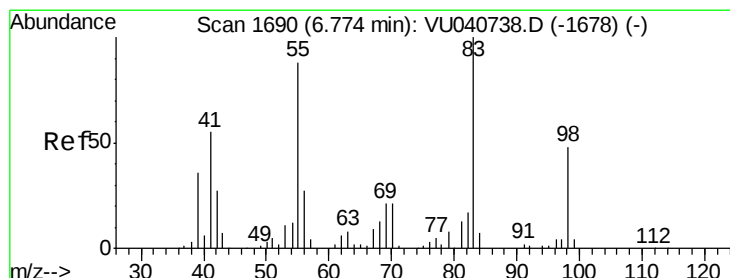
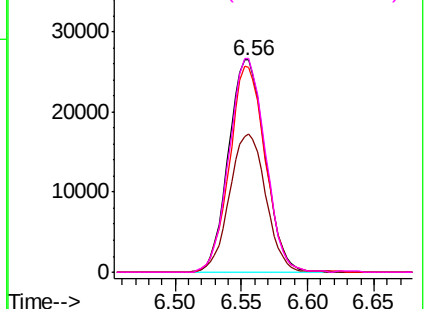
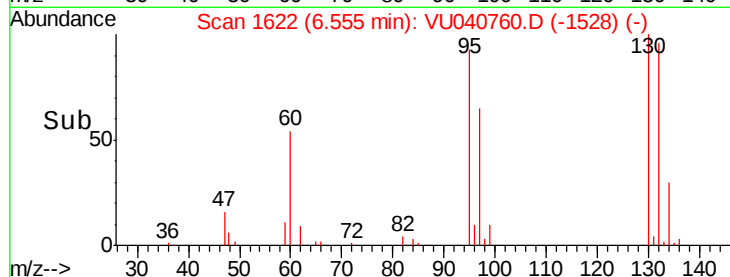


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.340 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

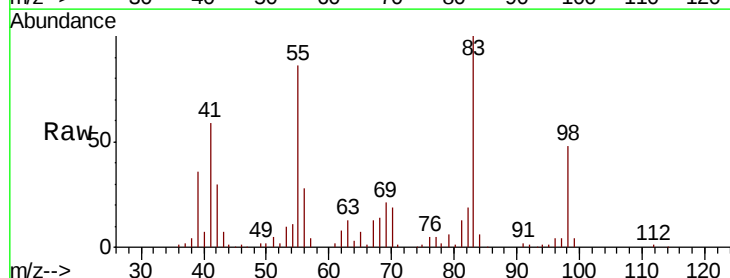
Tgt Ion: 83 Resp: 65960

Ion Ratio Lower Upper

83 100

55 88.9 70.7 106.1

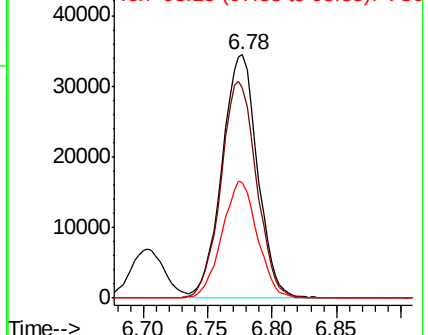
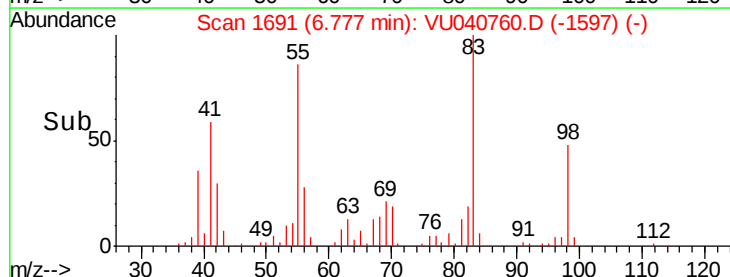
98 47.5 38.4 57.6

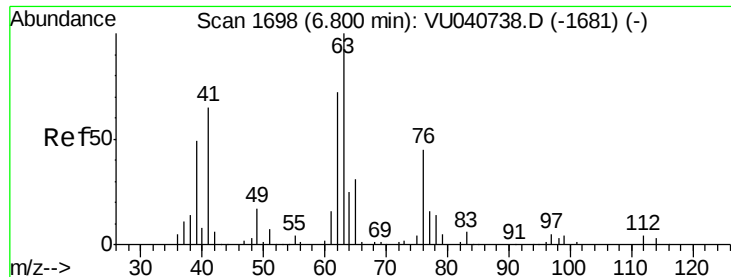


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

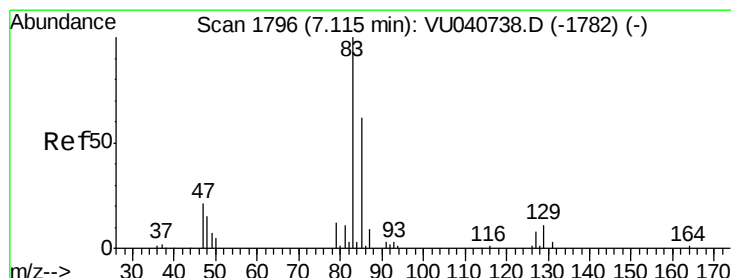
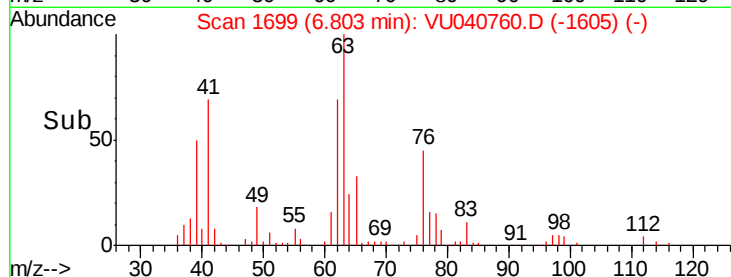
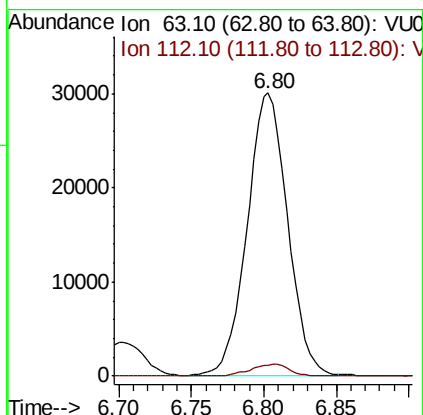
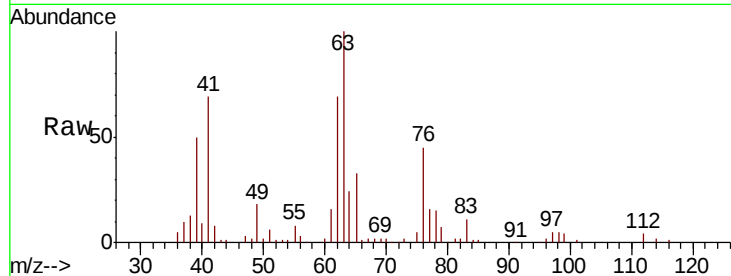




#37
 1,2-Dichloropropane
 Concen: 5.078 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

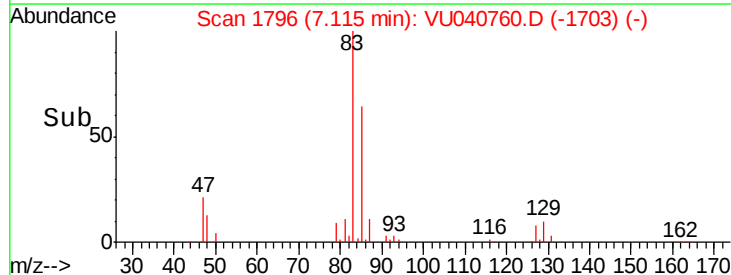
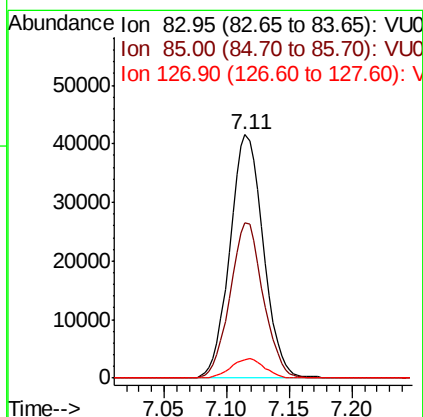
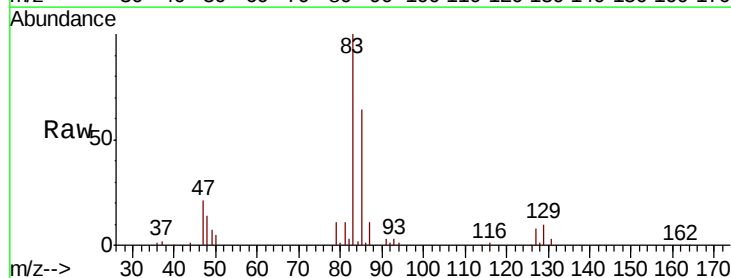
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

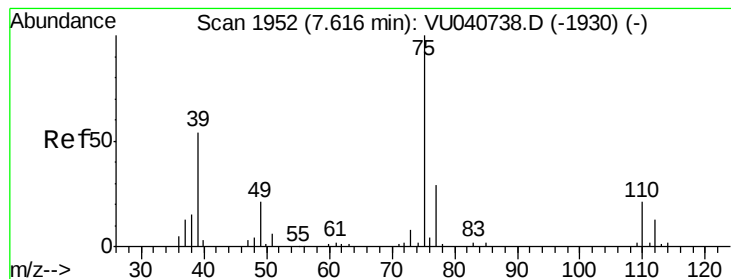
Tot Ion: 63 Resp: 58491
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.228 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 83 Resp: 76987
 Ion Ratio Lower Upper
 83 100
 85 63.9 46.0 85.4
 127 7.6 6.7 10.1



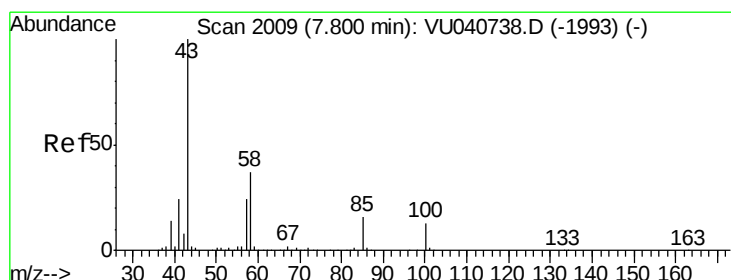
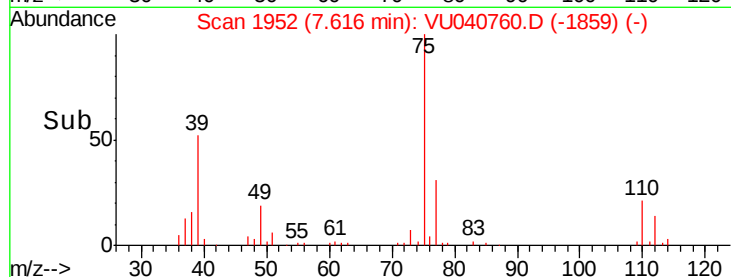
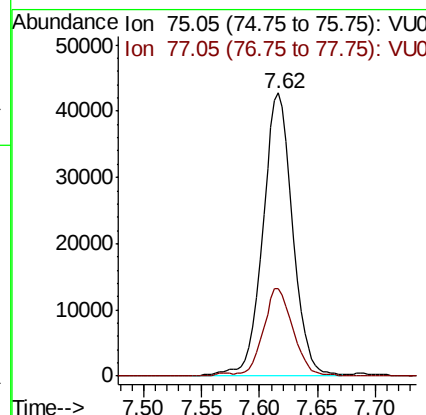
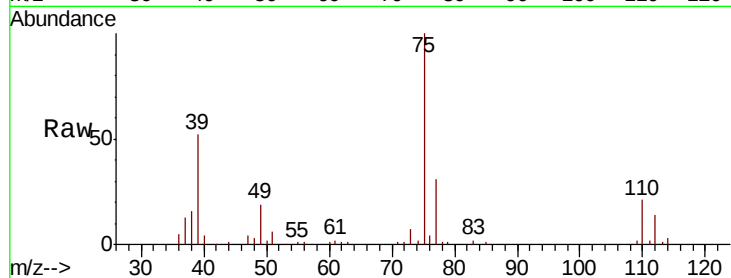


#39

cis-1,3-Dichloropropene
 Concen: 4.859 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

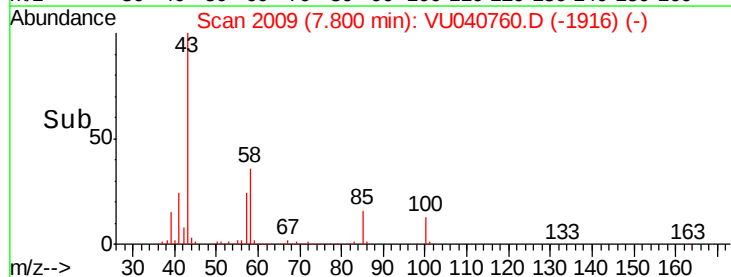
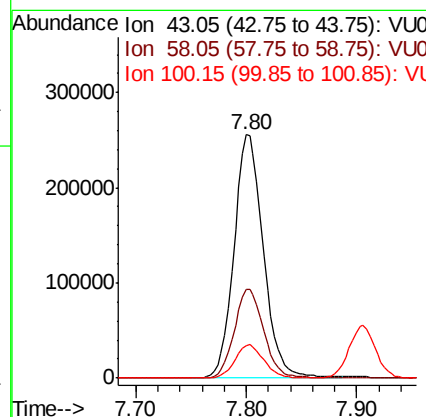
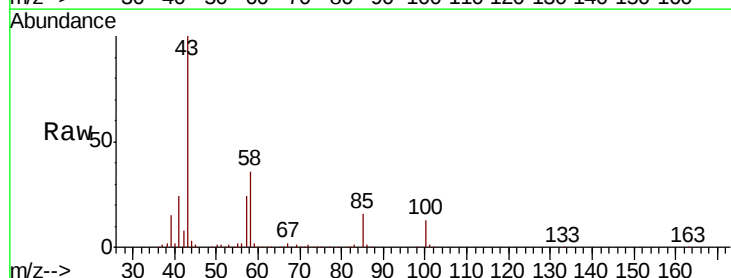
Tot Ion: 75 Resp: 76471
 Ion Ratio Lower Upper
 75 100
 77 31.1 20.5 38.1

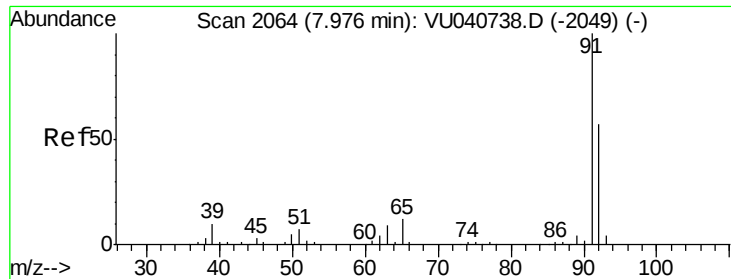


#40

4-Methyl-2-pentanone
 Concen: 51.277 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 43 Resp: 470917
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.7 44.5
 100 13.5 10.7 16.1





#42

Toluene

Concen: 5.161 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampled :

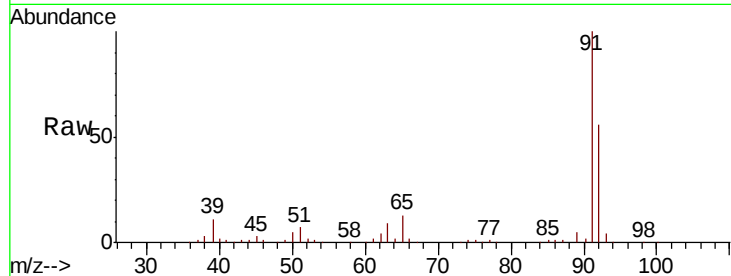
VSTD00514

Tot Ion: 91 Resp: 217443

Ion Ratio Lower Upper

91 100

92 55.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040738.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040738.D (-2049) (-)

7.98

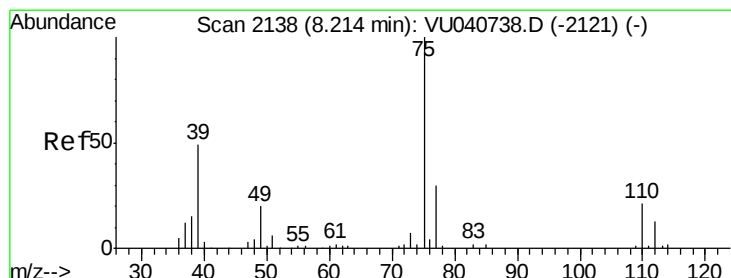
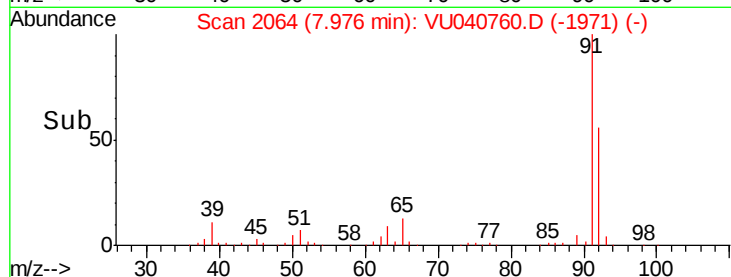
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.974 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040760.D

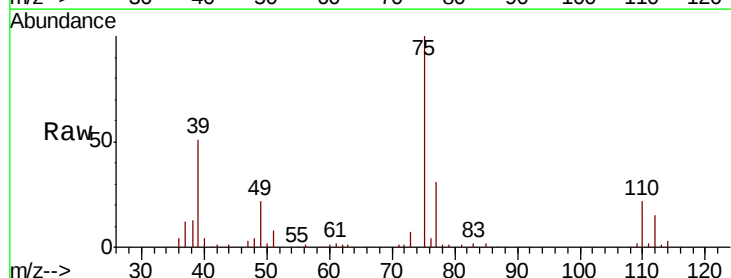
Acq: 16 Oct 2020 20:10

Tgt Ion: 75 Resp: 72069

Ion Ratio Lower Upper

75 100

77 30.8 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040738.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040738.D (-2121) (-)

8.22

50000

40000

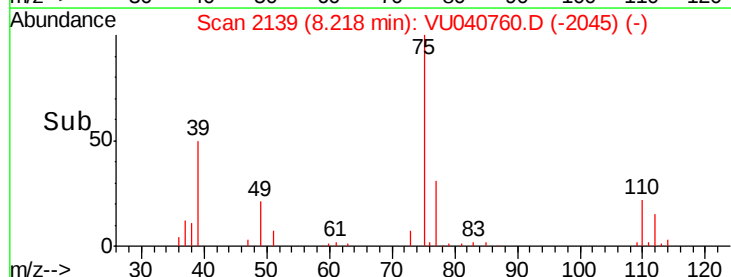
30000

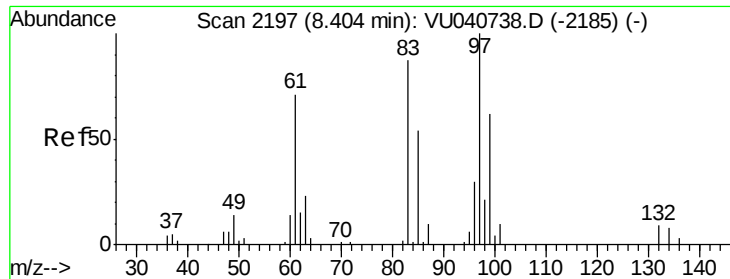
20000

10000

0

Time-->

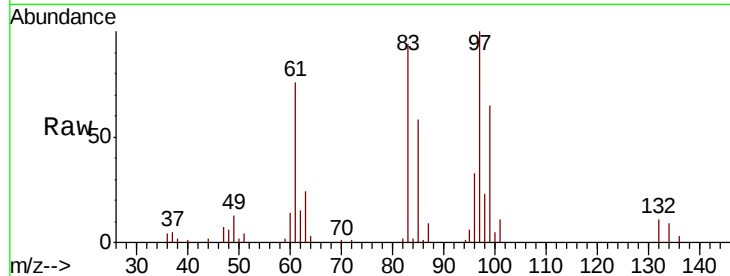




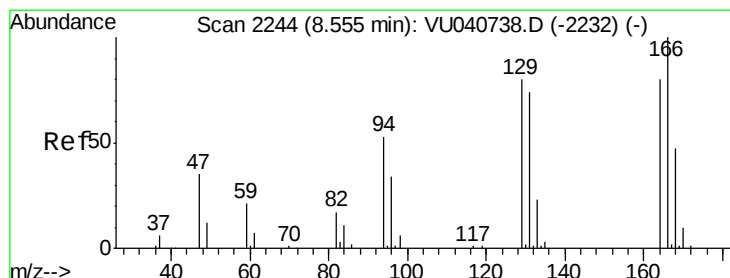
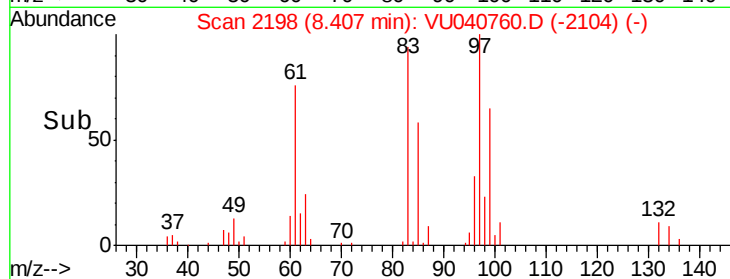
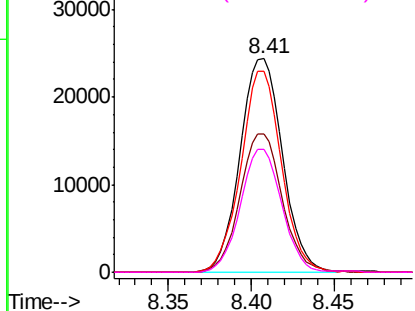
#45
1,1,2-Trichloroethane
Concen: 5.043 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:	97	Resp:	43510
Ion	Ratio	Lower	Upper
97	100		
99	64.9	44.0	81.6
83	94.1	62.9	116.9
85	57.6	40.3	74.8

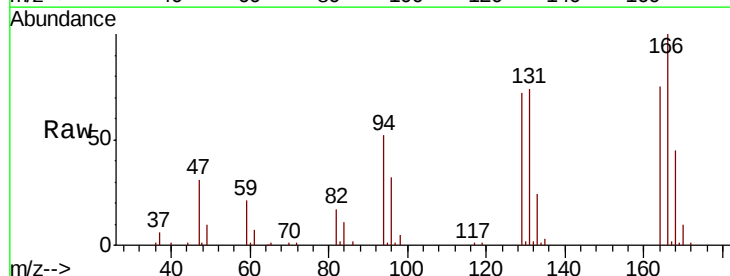


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

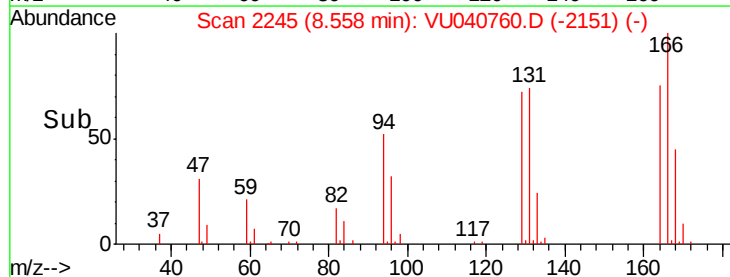
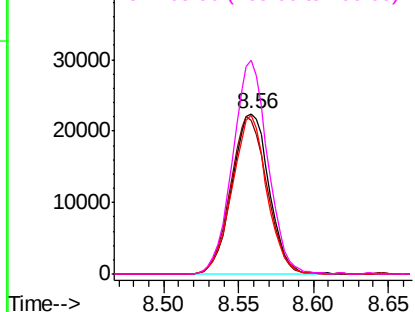


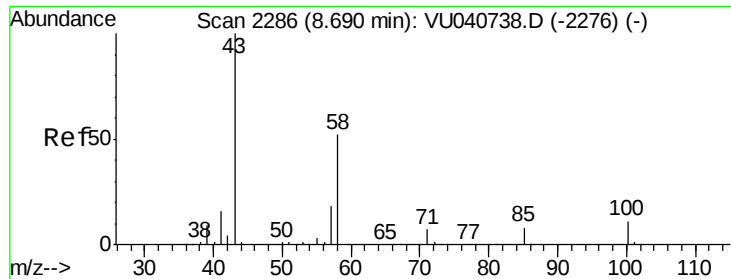
#47
Tetrachloroethene
Concen: 5.048 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion:	164	Resp:	38592
Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.8	127.8
131	99.0	66.7	123.9
166	133.2	83.9	155.7



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

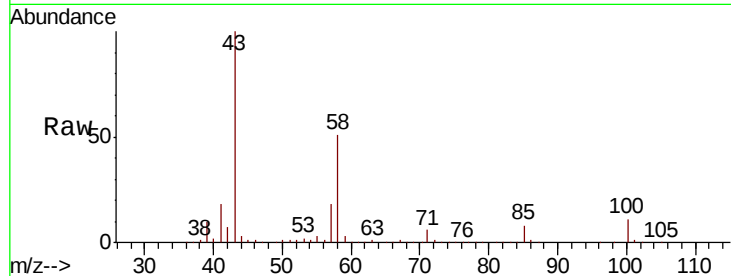




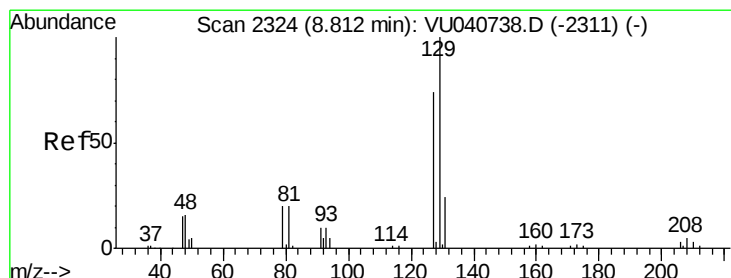
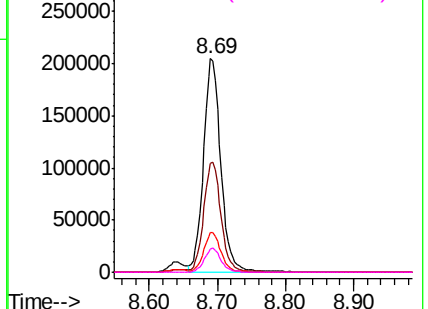
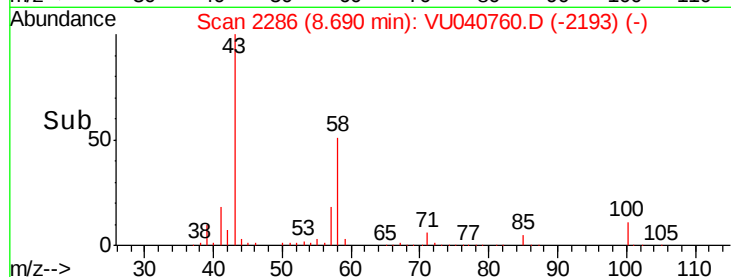
#48
2-Hexanone
Concen: 52.877 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 43 Resp: 361547
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.6
57 18.0 14.4 21.6
100 10.8 8.6 13.0

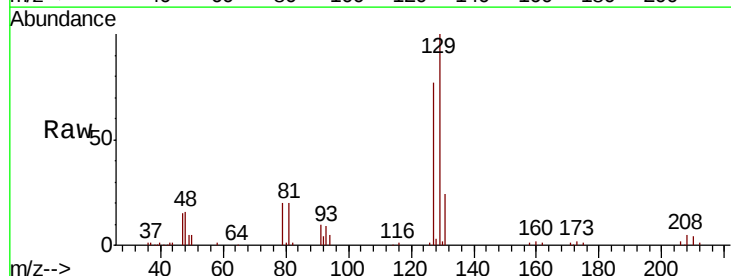


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

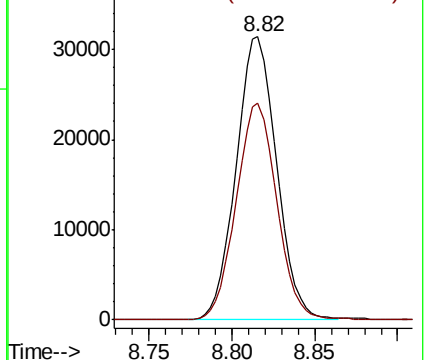
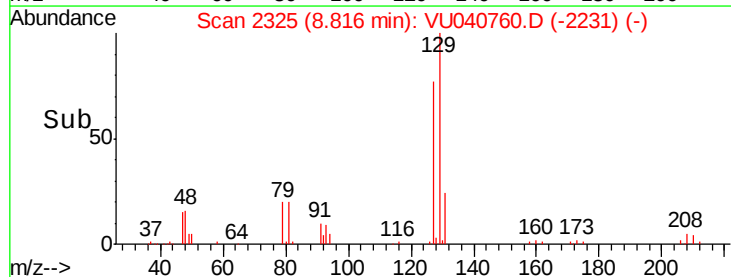


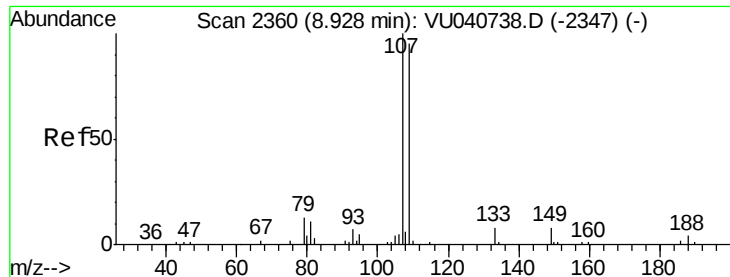
#49
Dibromochloromethane
Concen: 5.389 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion: 129 Resp: 53497
Ion Ratio Lower Upper
129 100
127 76.7 55.8 103.6



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

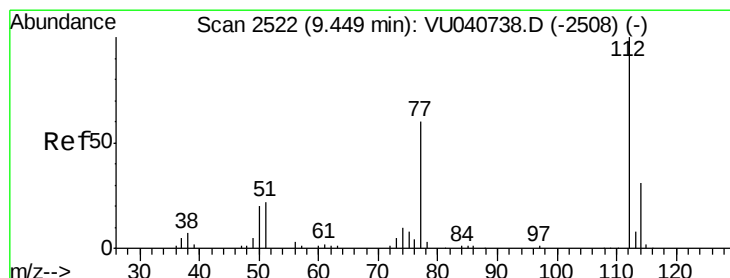
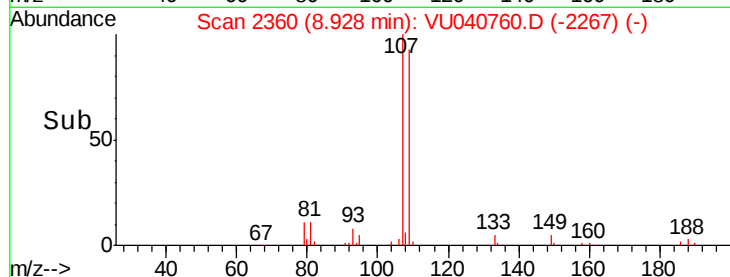
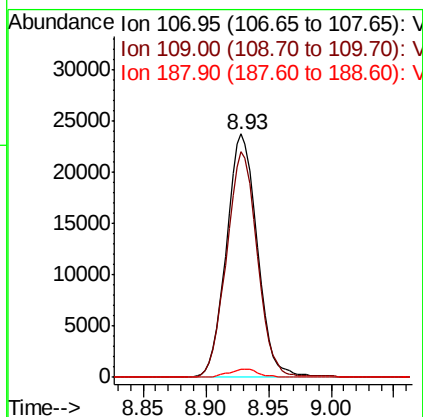
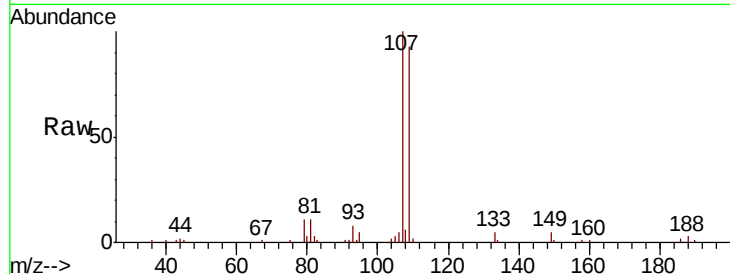




#50
 1,2-Dibromoethane
 Concen: 4.967 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

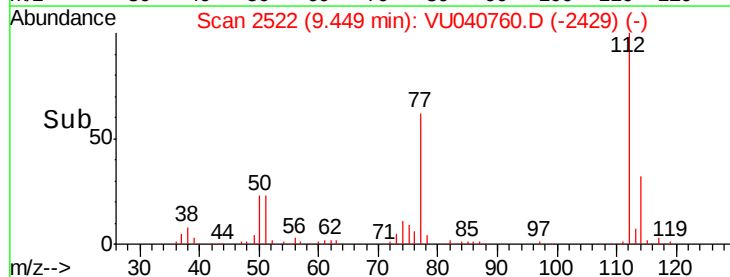
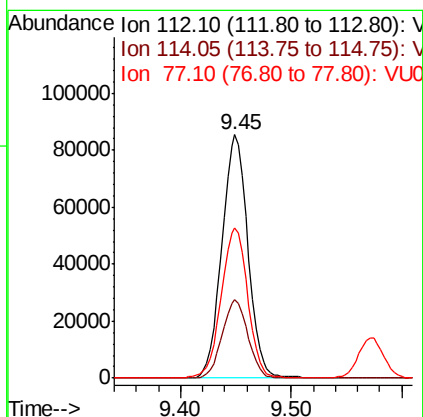
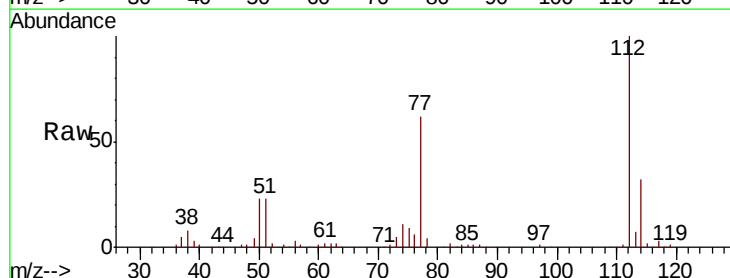
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

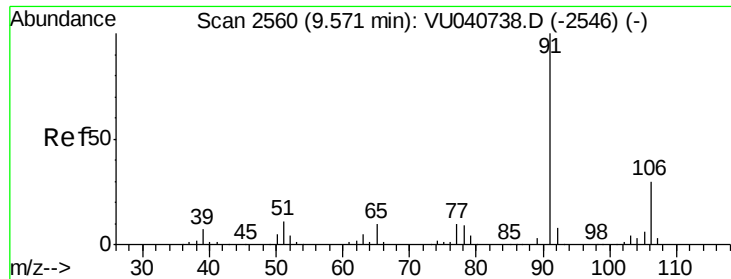
Tot Ion:107 Resp: 40650
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.7 121.9
 188 3.3 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.042 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion:112 Resp: 139916
 Ion Ratio Lower Upper
 112 100
 114 32.1 23.1 42.9
 77 61.8 50.3 75.5





#52

Ethylbenzene

Concen: 4.952 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

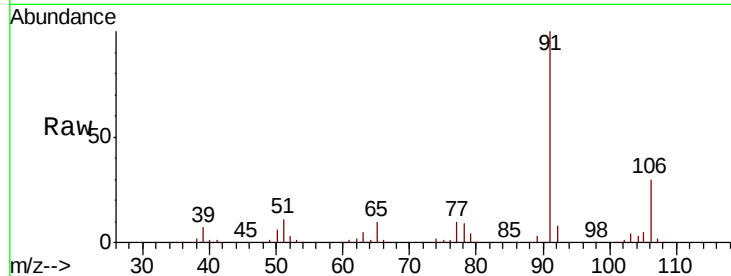
VSTD00514

Tot Ion: 91 Resp: 225770

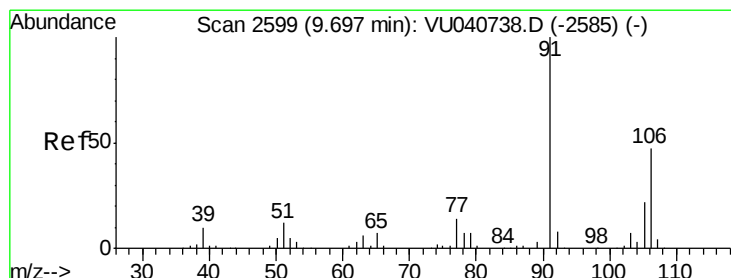
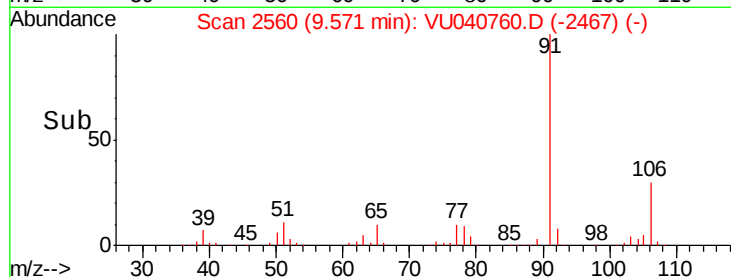
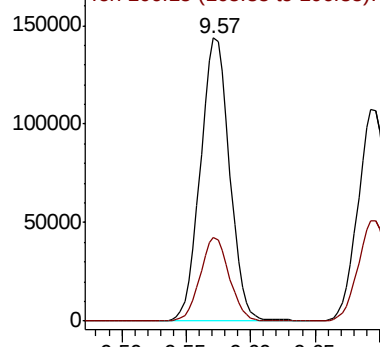
Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040760.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.094 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040760.D

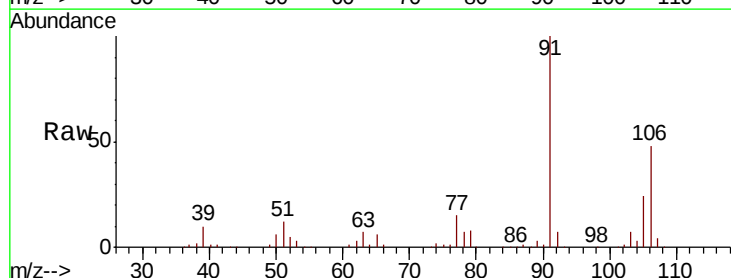
Acq: 16 Oct 2020 20:10

Tgt Ion: 106 Resp: 84651

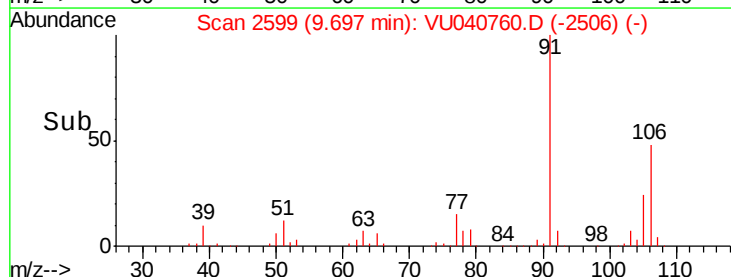
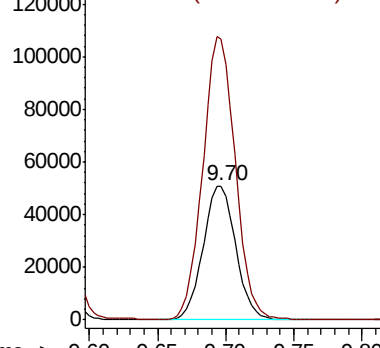
Ion Ratio Lower Upper

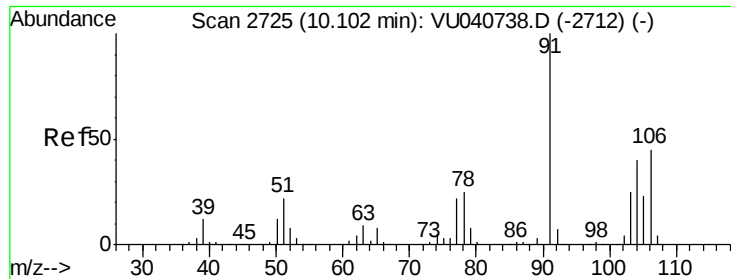
106 100

91 209.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040760.D (-2585) (-)

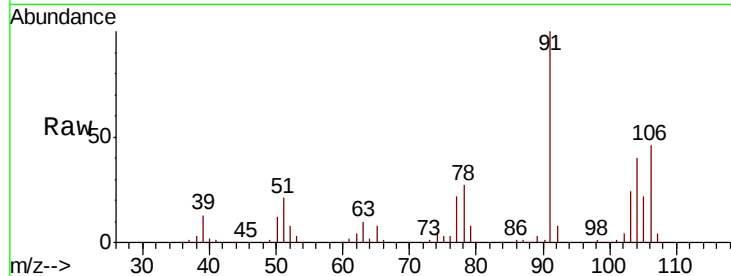




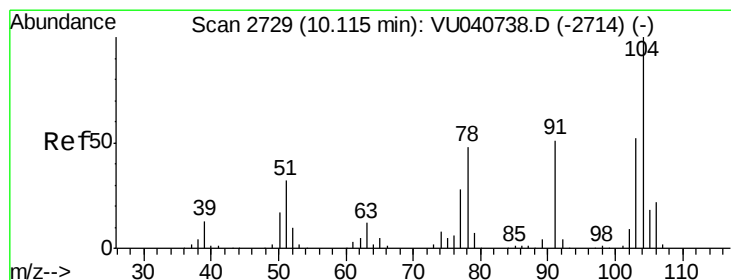
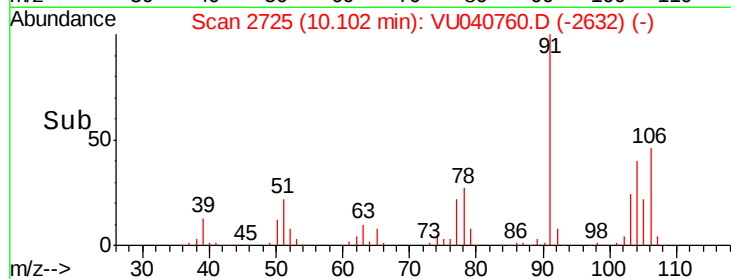
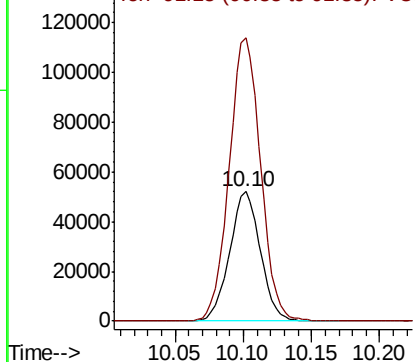
#54
o-Xylene
Concen: 5.105 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion:106 Resp: 81590
Ion Ratio Lower Upper
106 100
91 219.0 160.2 297.4

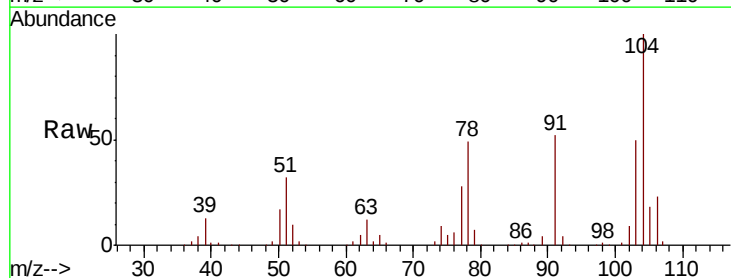


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

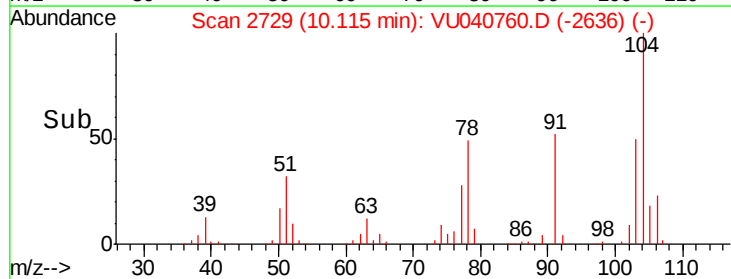
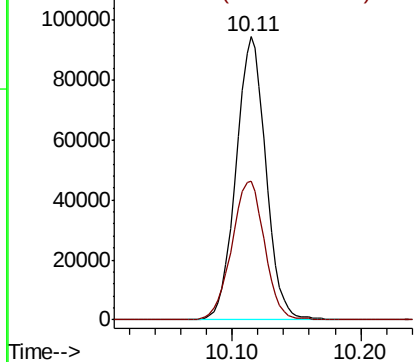


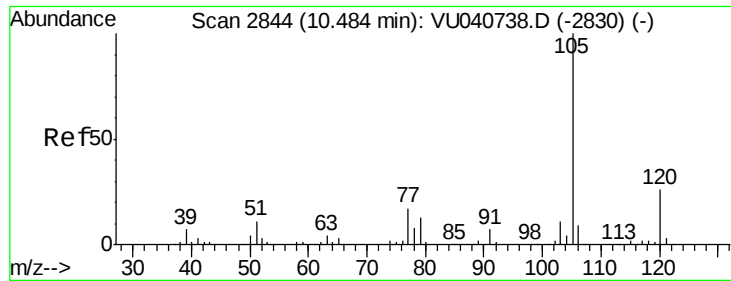
#55
Styrene
Concen: 5.474 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040760.D
Acq: 16 Oct 2020 20:10

Tgt Ion:104 Resp: 151920
Ion Ratio Lower Upper
104 100
78 49.2 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.183 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

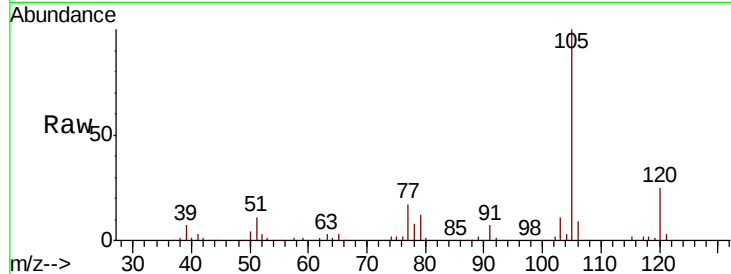
Tot Ion:105 Resp: 222978

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

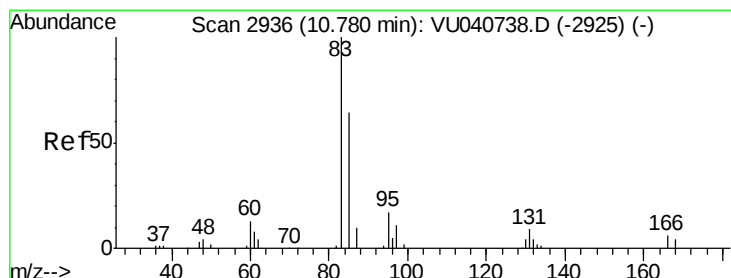
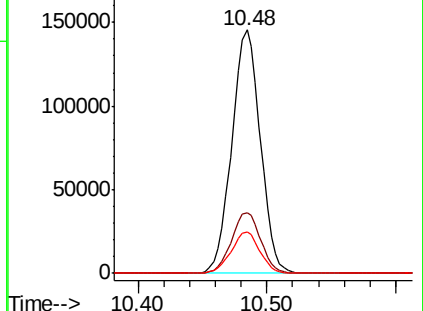
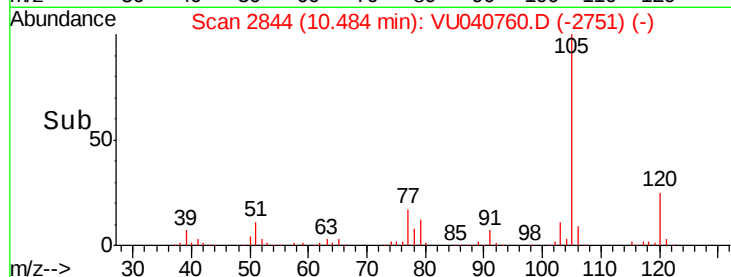
77 17.0 13.8 20.6



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: 5.164 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

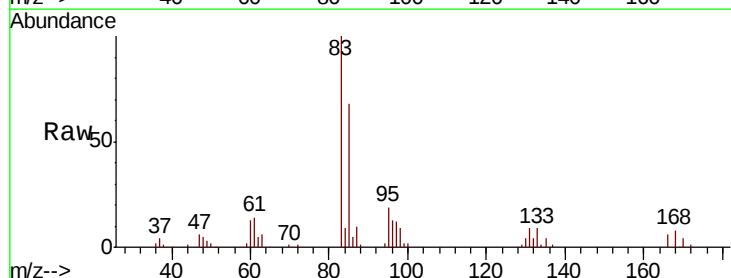
Tgt Ion: 83 Resp: 58490

Ion Ratio Lower Upper

83 100

85 68.1 45.6 84.6

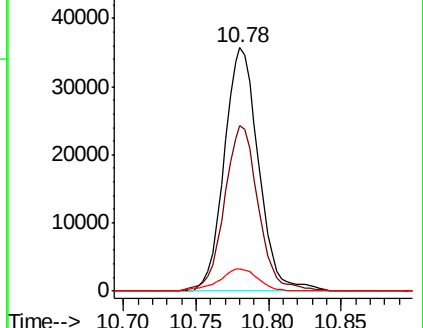
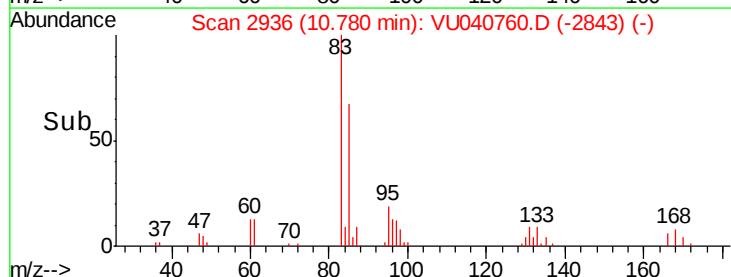
131 9.3 7.1 10.7

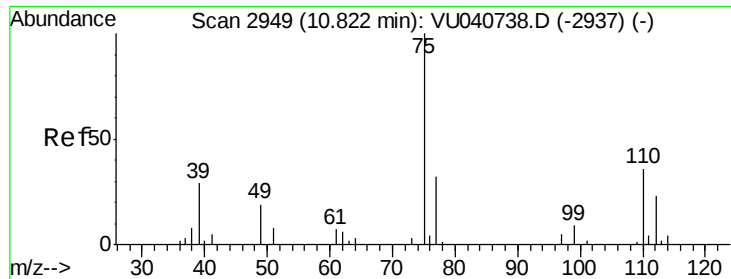


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

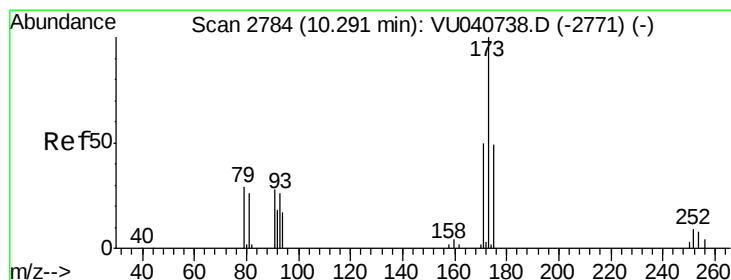
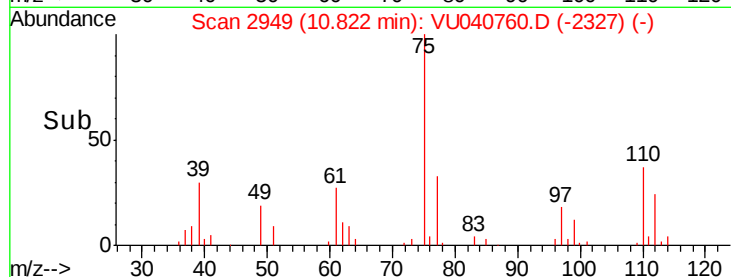
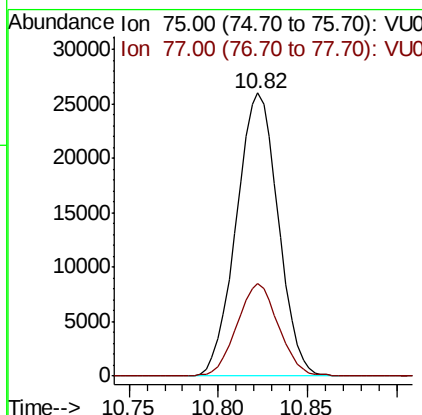
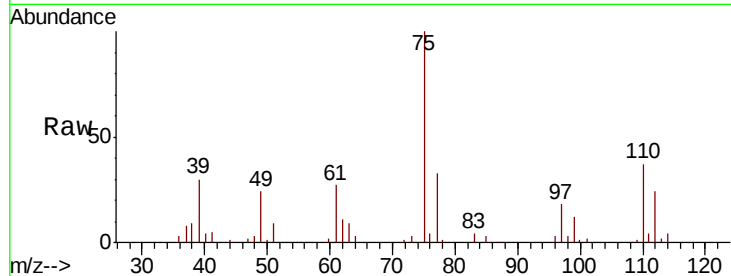




#59
 1,2,3-Trichloropropane
 Concen: 5.036 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

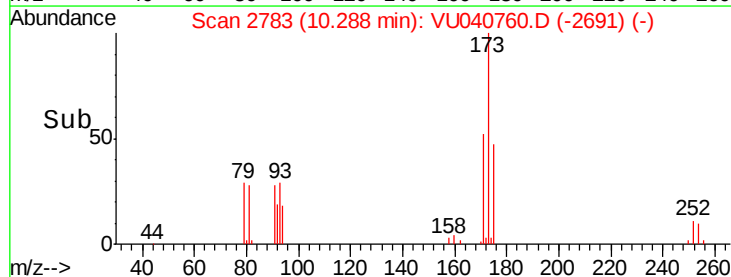
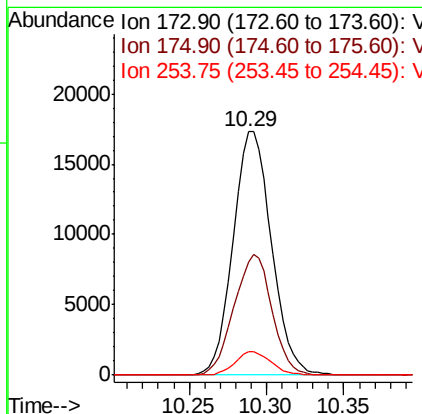
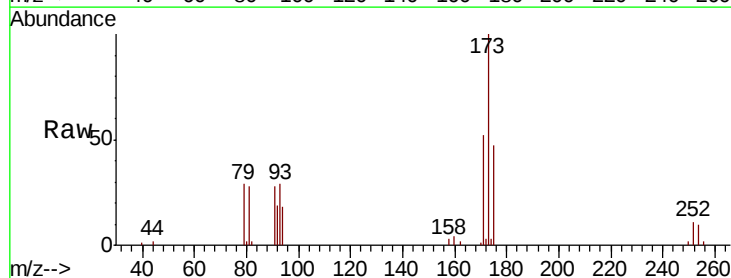
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

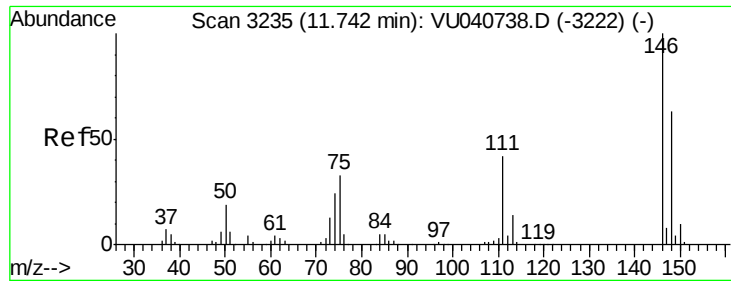
Tot Ion: 75 Resp: 42609
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.4 39.6



#61
 Bromoform
 Concen: 5.027 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 173 Resp: 29813
 Ion Ratio Lower Upper
 173 100
 175 48.9 37.4 56.0
 254 8.9 7.4 11.2

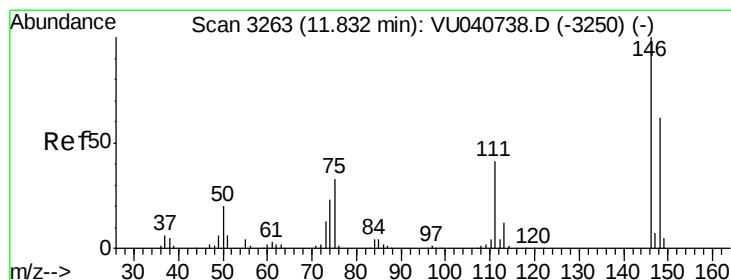
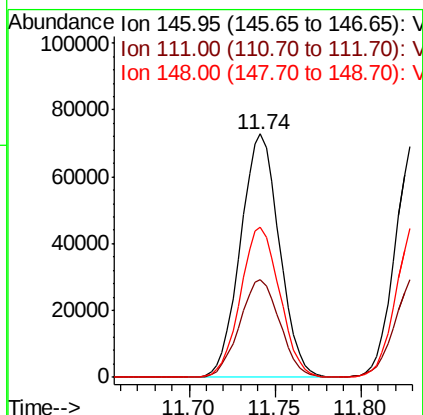
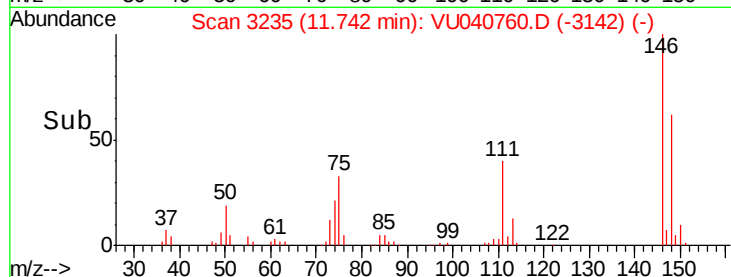
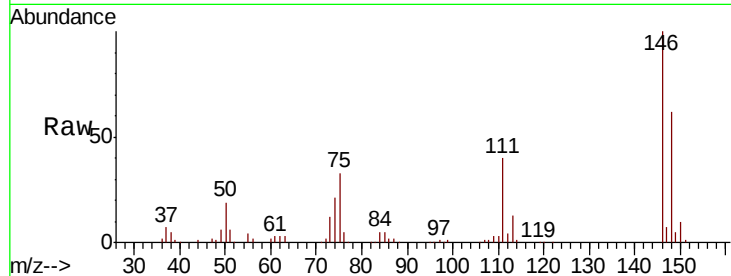




#62
 1,3-Dichlorobenzene
 Concen: 5.043 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

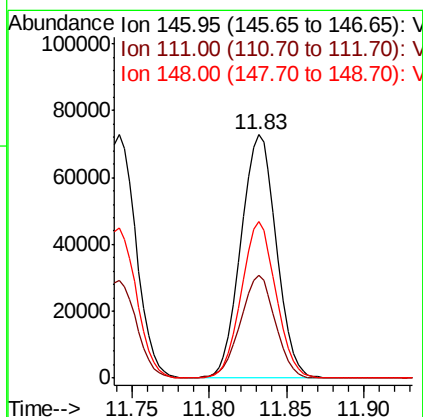
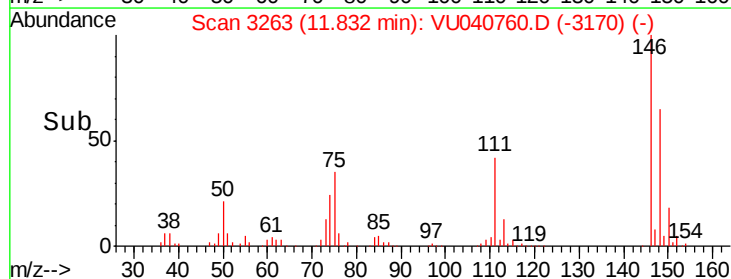
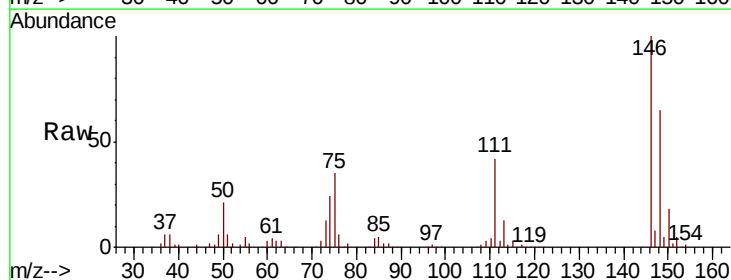
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

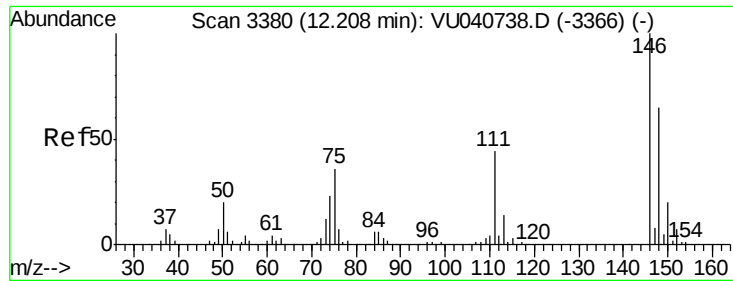
Tot Ion:146 Resp: 114188
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.8 53.6
 148 61.7 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.977 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion:146 Resp: 116204
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.4 52.8
 148 64.5 44.0 81.6

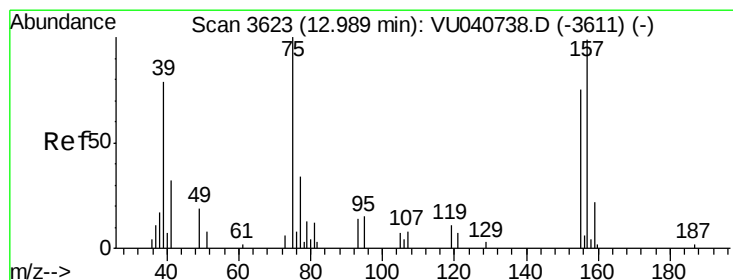
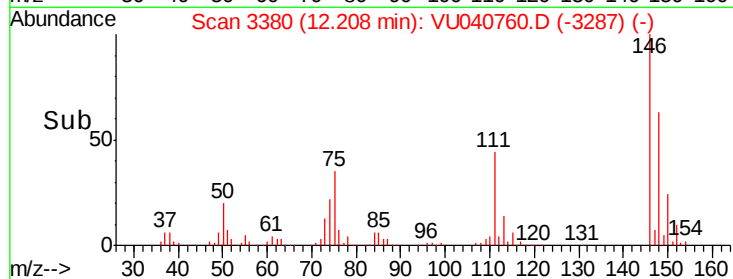
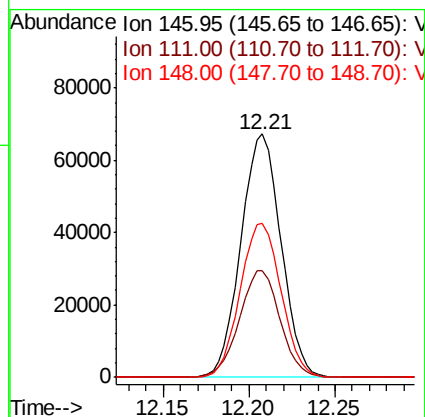
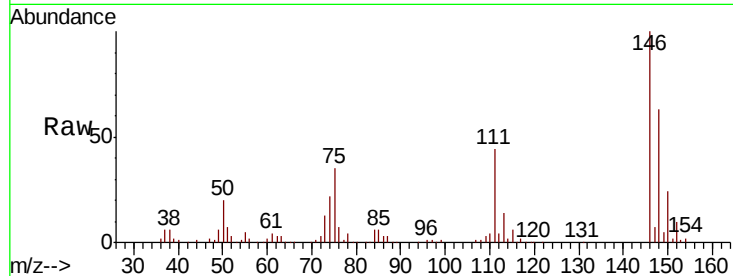




#65
 1,2-Dichlorobenzene
 Concen: 4.924 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

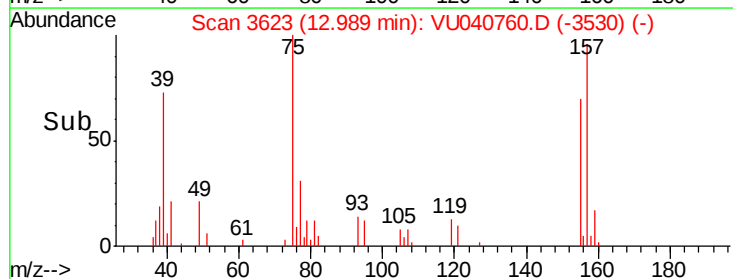
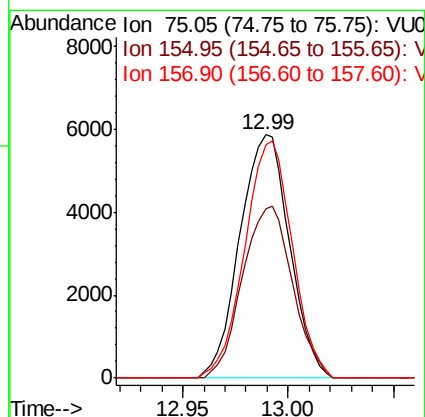
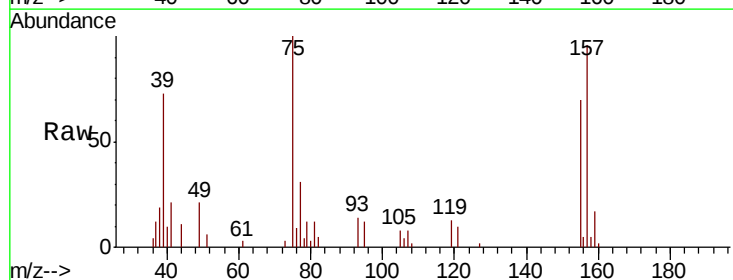
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

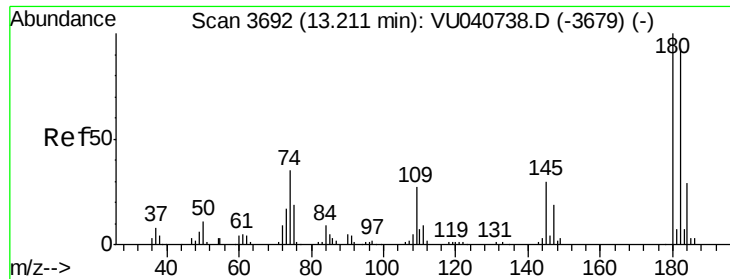
Tot Ion:146 Resp: 109002
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.4 51.6
 148 63.3 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.958 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion: 75 Resp: 9610
 Ion Ratio Lower Upper
 75 100
 155 69.5 53.8 80.6
 157 95.7 74.6 112.0

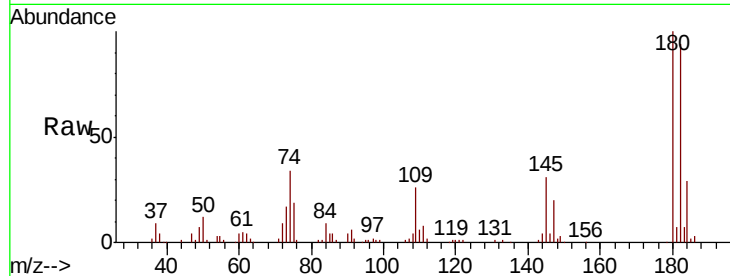




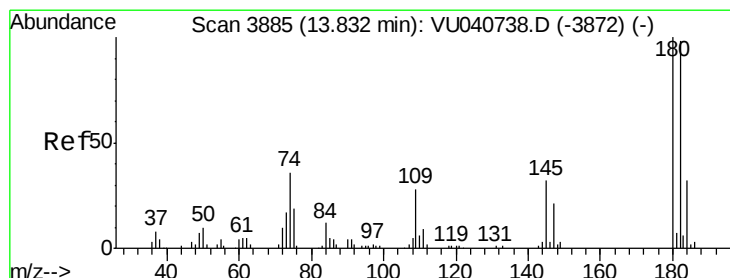
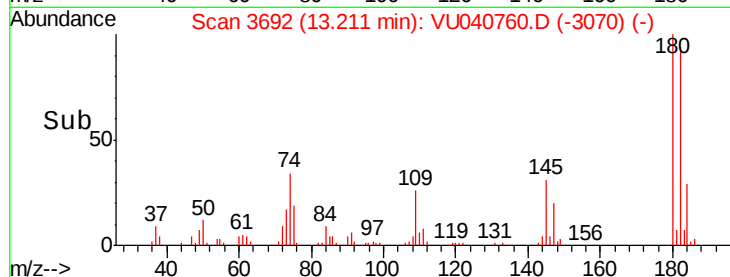
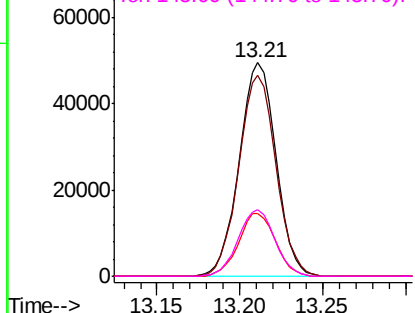
#67
 1,3,5-Trichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion:180 Resp: 76232
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.4
 184 29.6 24.5 36.7
 145 31.2 25.9 38.9

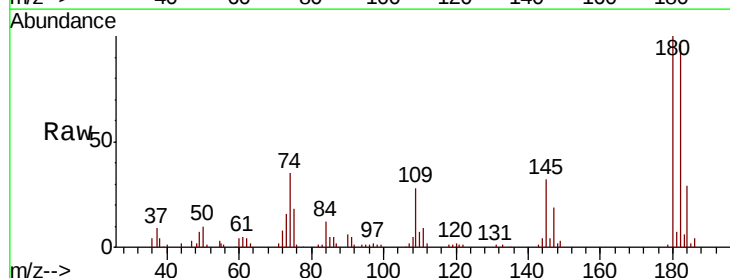


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

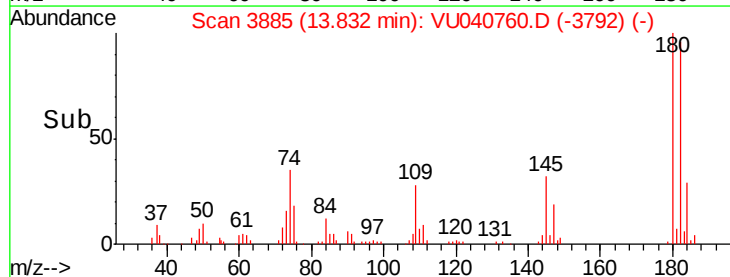
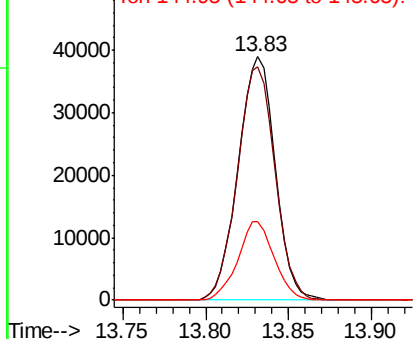


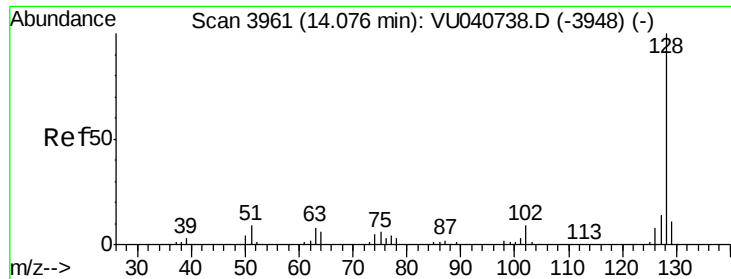
#68
 1,2,4-trichlorobenzene
 Concen: 4.871 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040760.D
 Acq: 16 Oct 2020 20:10

Tgt Ion:180 Resp: 60467
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.8 118.2
 145 31.5 26.1 39.1



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: 4.672 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

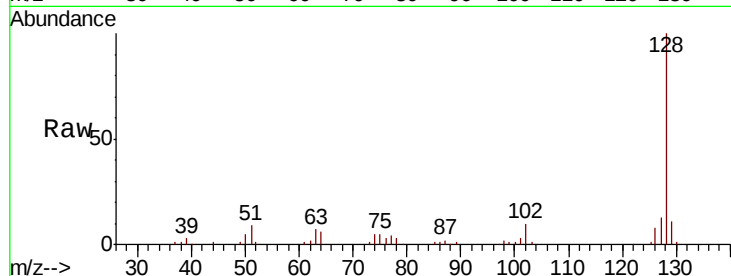
Tot Ion:128 Resp: 94865

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.4

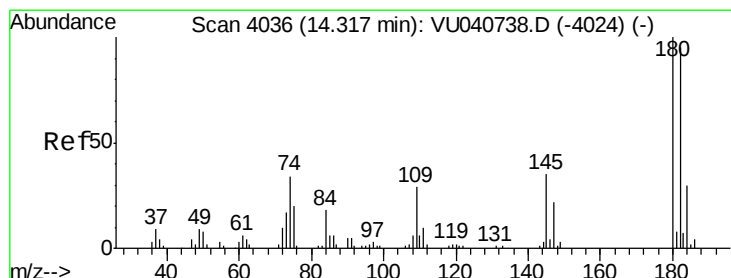
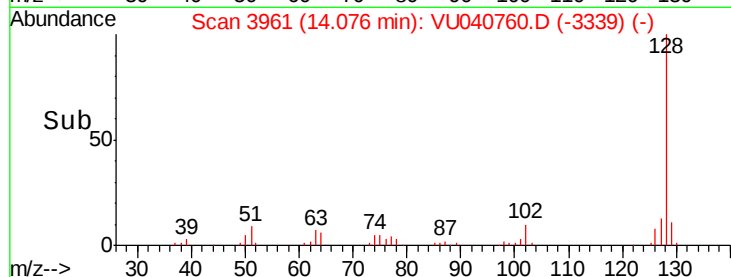
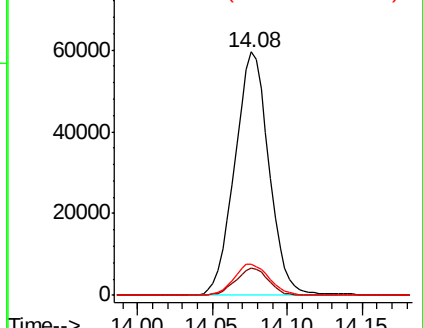
127 13.1 10.2 15.4



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: 5.024 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040760.D

Acq: 16 Oct 2020 20:10

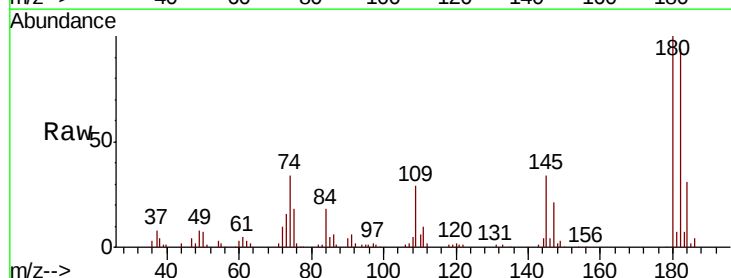
Tgt Ion:180 Resp: 57905

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

145 34.2 27.4 41.2



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

