

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040738.D
 Acq On : 16 Oct 2020 10:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Oct 16 23:31:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 11:10:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119101	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61923	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46779	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	42130	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.58	63	101195	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.00%
20) 2-Butanone-d5	4.66	46	179334	56.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.58%
24) Chloroform-d	5.08	84	99890	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.40%
26) 1,2-Dichloroethane-d4	5.72	65	58445	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.74	84	180233	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
36) 1,2-Dichloropropane-d6	6.70	67	59339	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.90	98	166585	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
43) trans-1,3-Dichloropropene-	8.19	79	23404	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.64	63	128343	54.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53277	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	60800	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	50936	4.720 ug/L	99
3) Chloromethane	1.53	50	45948	4.553 ug/L	94
5) Vinyl chloride	1.61	62	50819	4.782 ug/L	88
6) Bromomethane	1.87	94	22836	3.957 ug/L	96
8) Chloroethane	1.94	64	33443	4.942 ug/L	95
9) Trichlorofluoromethane	2.15	101	78256	5.128 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50210	5.068 ug/L	97
12) 1,1-Dichloroethene	2.59	96	43912	5.167 ug/L	96
13) Acetone	2.67	43	118747	48.509 ug/L	99
14) Carbon disulfide	2.81	76	103030	4.331 ug/L	99
15) Methyl Acetate	2.97	43	28336	5.069 ug/L	98
16) Methylene chloride	3.06	84	57219	5.244 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	123361	5.134 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	44252	4.975 ug/L	99
19) 1,1-Dichloroethane	3.89	63	99808	5.425 ug/L	99
21) 2-Butanone	4.74	43	194565	50.980 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	51079	5.325 ug/L	95

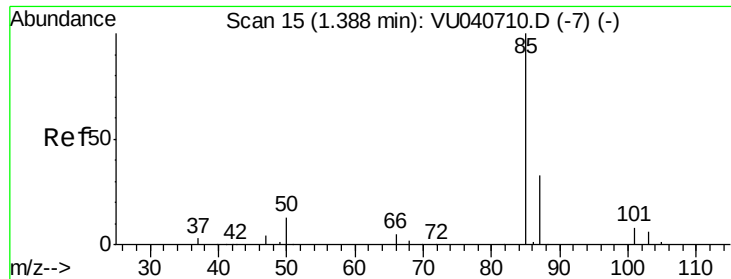
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
 Data File : VU040738.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	24769	5.197	ug/L	98
25) Chloroform	5.11	83	106762	5.684	ug/L	98
27) 1,2-Dichloroethane	5.81	62	70454	5.299	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	87282	5.349	ug/L	98
30) Cyclohexane	5.40	56	69359	4.612	ug/L	99
31) Carbon tetrachloride	5.54	117	74010	5.300	ug/L	98
33) Benzene	5.79	78	202812	5.198	ug/L	100
34) Trichloroethene	6.55	95	52001	5.142	ug/L	95
35) Methylcyclohexane	6.77	83	63966	4.460	ug/L	100
37) 1,2-Dichloropropane	6.80	63	56327	5.182	ug/L	100
38) Bromodichloromethane	7.11	83	77634	5.587	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	70934	4.776	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	444221	51.258	ug/L	100
42) Toluene	7.98	91	212357	5.342	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	68094	4.980	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	42499	5.220	ug/L	97
47) Tetrachloroethene	8.56	164	37193	5.155	ug/L	97
48) 2-Hexanone	8.69	43	338510	52.464	ug/L	99
49) Dibromochloromethane	8.81	129	51865	5.537	ug/L	93
50) 1,2-Dibromoethane	8.93	107	39463	5.110	ug/L	99
51) Chlorobenzene	9.45	112	136013	5.194	ug/L	97
52) Ethylbenzene	9.57	91	220197	5.118	ug/L	100
53) m,p-Xylene	9.70	106	82826	5.281	ug/L	99
54) o-Xylene	10.10	106	78739	5.221	ug/L	96
55) Styrene	10.11	104	146384	5.589	ug/L	98
56) Isopropylbenzene	10.48	105	212865	5.243	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	55276	5.171	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	40927	5.126	ug/L	100
61) Bromoform	10.29	173	29105	5.483	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	109295	5.393	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	111188	5.320	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	105169	5.308	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	9285	5.352	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	72659	5.053	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	56344	5.071	ug/L	99
69) Naphthalene	14.08	128	88048	4.844	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	54928	5.324	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.720 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

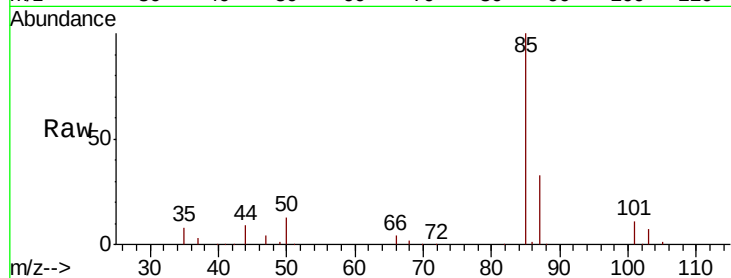
VSTD00513

Tot Ion: 85 Resp: 50936

Ion Ratio Lower Upper

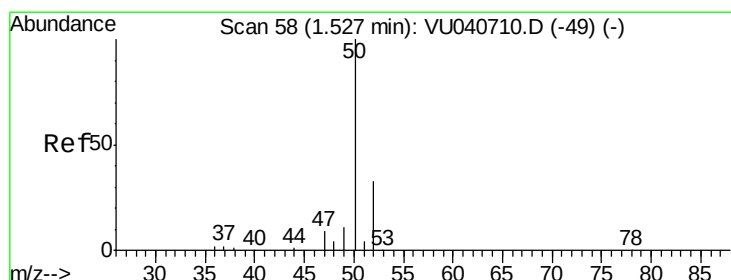
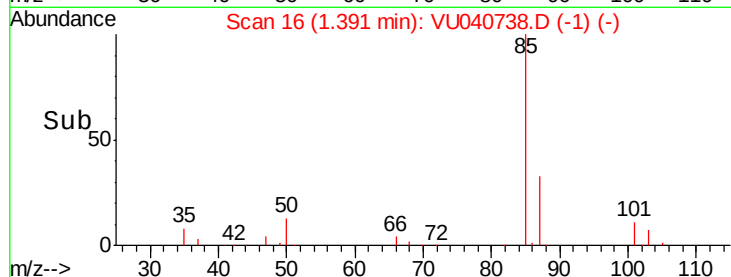
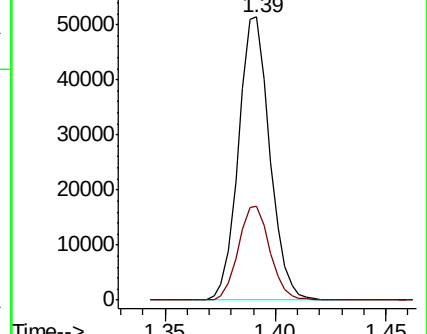
85 100

87 33.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.553 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040738.D

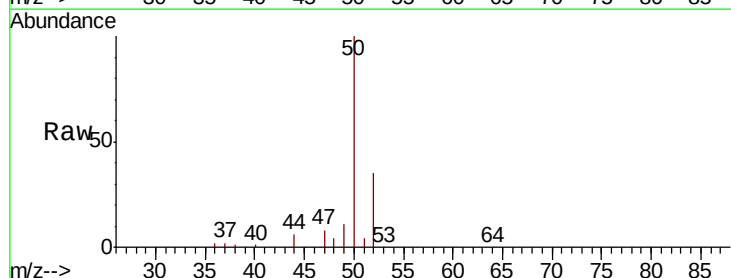
Acq: 16 Oct 2020 10:22

Tgt Ion: 50 Resp: 45948

Ion Ratio Lower Upper

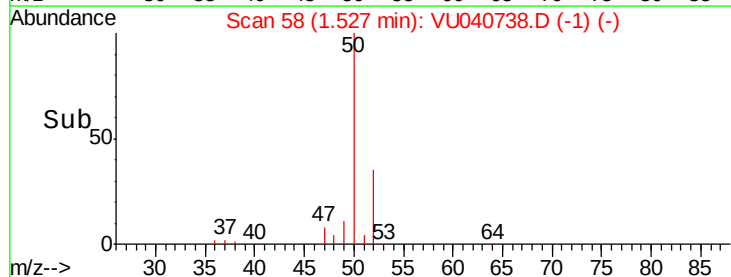
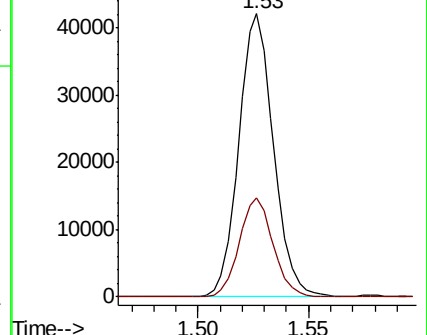
50 100

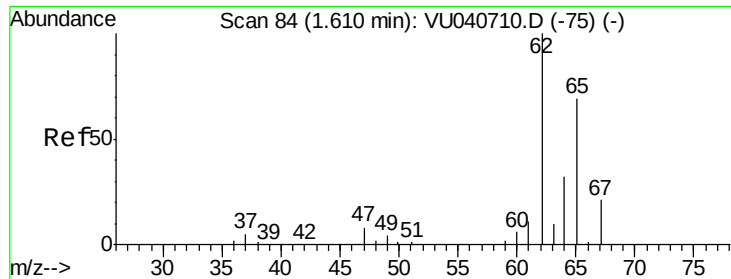
52 34.8 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.782 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

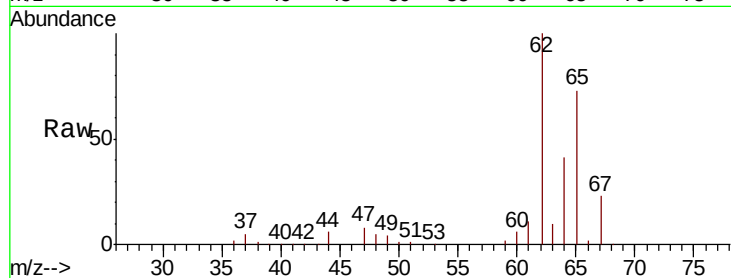
VSTD00513

Tot Ion: 62 Resp: 50819

Ion Ratio Lower Upper

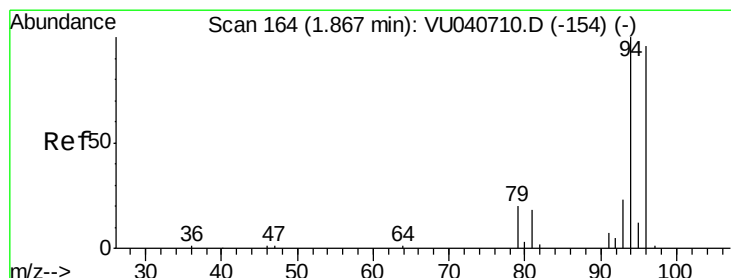
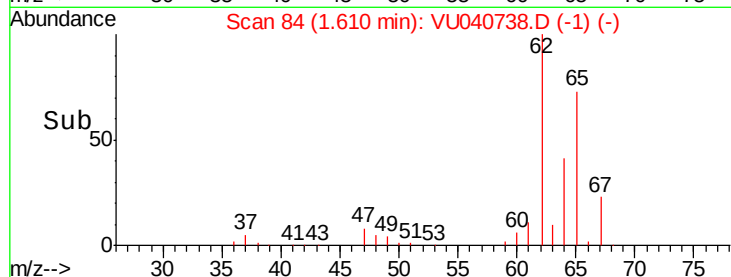
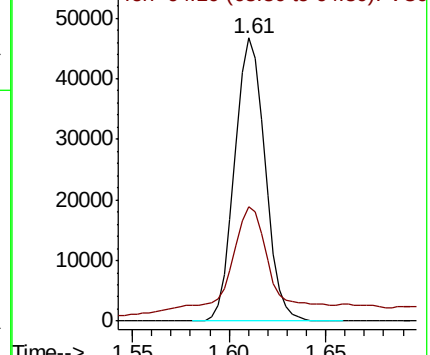
62 100

64 40.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.957 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040738.D

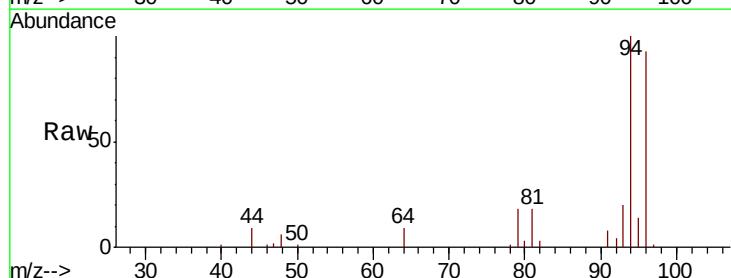
Acq: 16 Oct 2020 10:22

Tgt Ion: 94 Resp: 22836

Ion Ratio Lower Upper

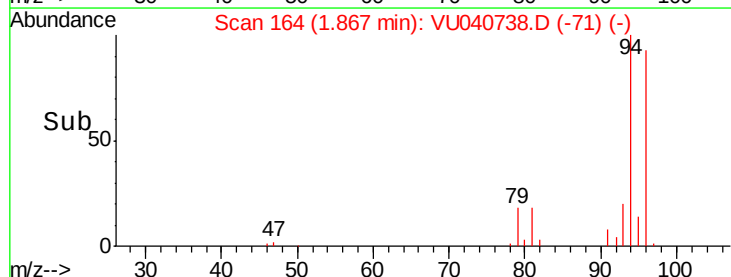
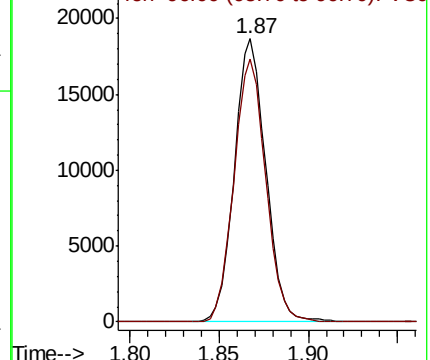
94 100

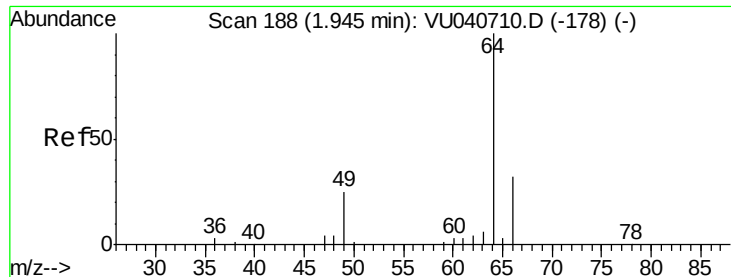
96 92.7 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

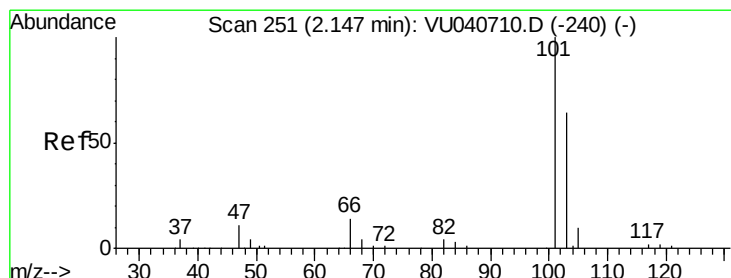
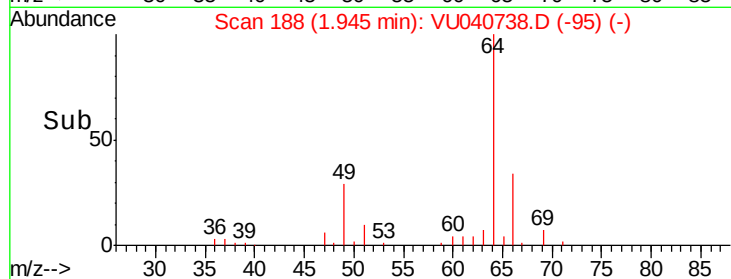
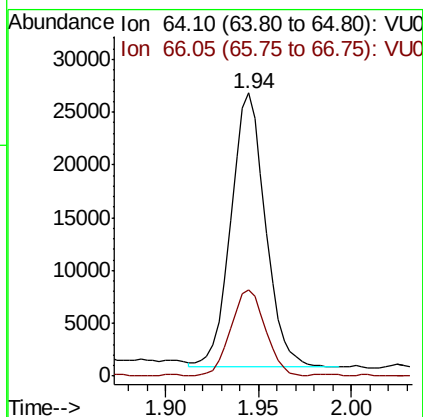
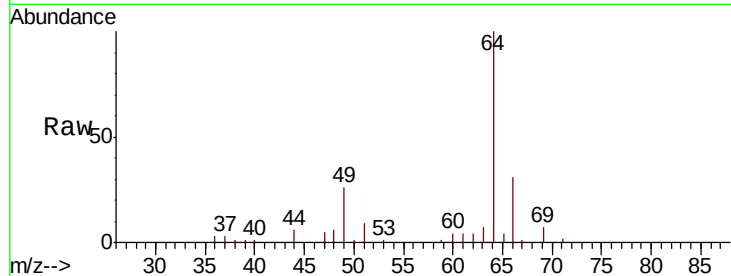




#8
Chloroethane
Concen: 4.942 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

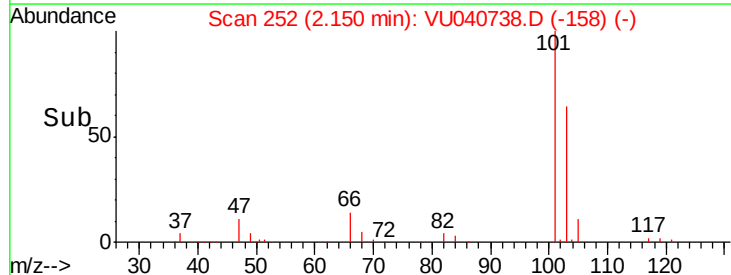
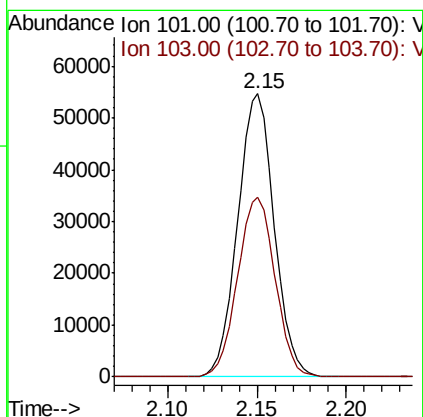
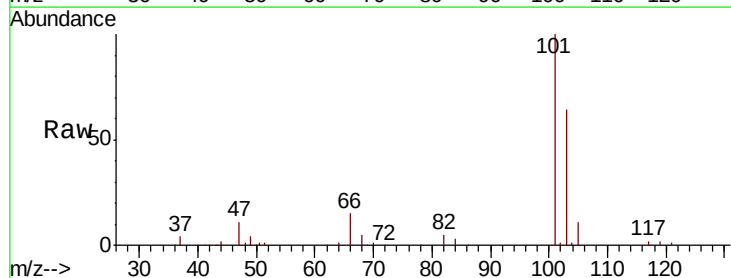
Instrument :
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ClientSampleId :
VSTD00513

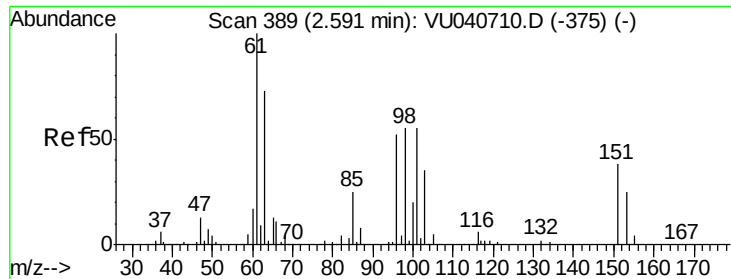
Tot Ion: 64 Resp: 33443
Ion Ratio Lower Upper
64 100
66 30.6 23.3 43.3



#9
Trichlorofluoromethane
Concen: 5.128 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

Tgt Ion: 101 Resp: 78256
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4





#10

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

Concen: 5.068 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

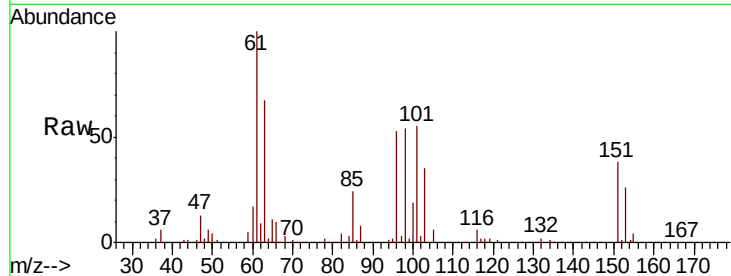
Tot Ion:101 Resp: 50210

Ion Ratio Lower Upper

101 100

85 44.7 36.7 55.1

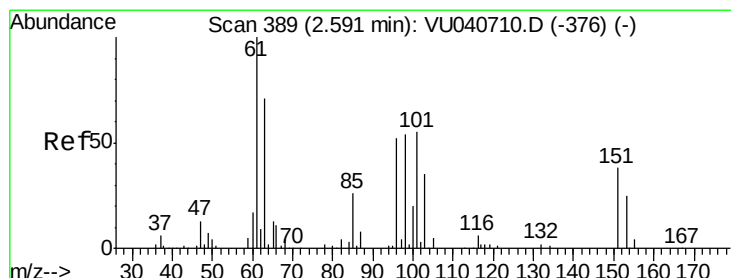
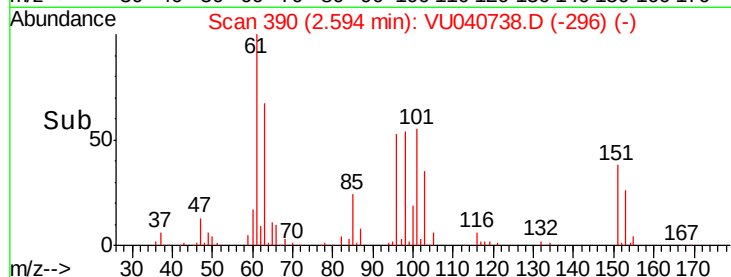
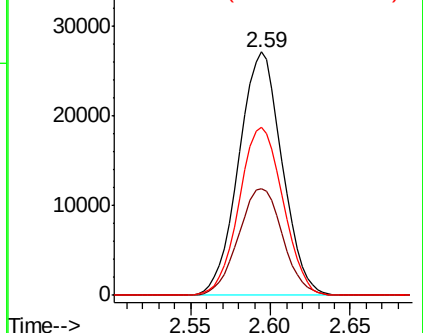
151 70.0 58.0 87.0



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: 5.167 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

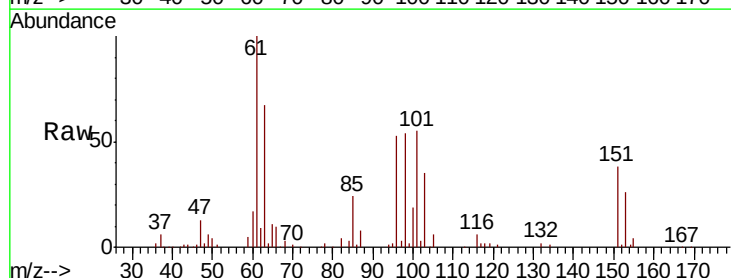
Tgt Ion: 96 Resp: 43912

Ion Ratio Lower Upper

96 100

61 189.1 128.8 239.2

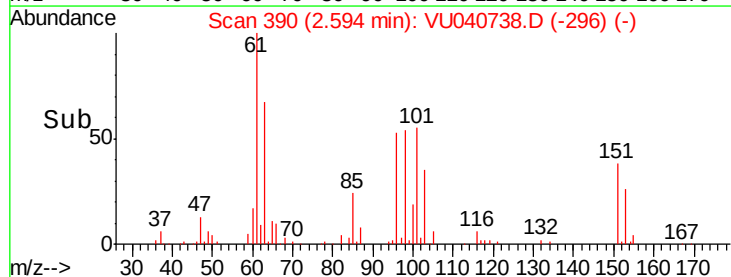
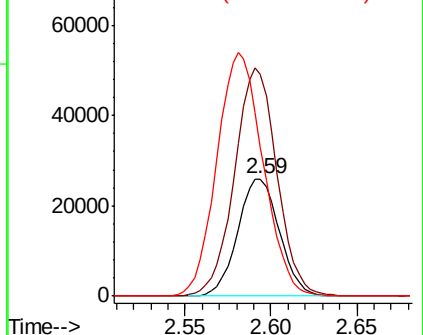
63 126.7 84.6 157.2

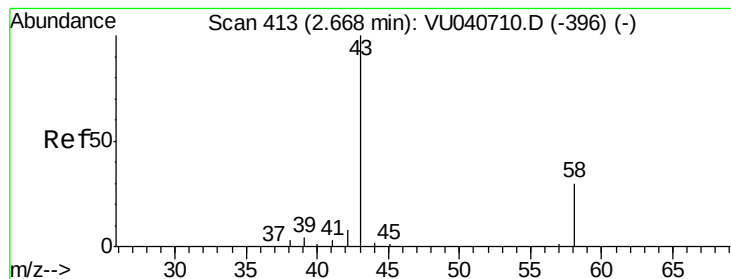


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.509 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

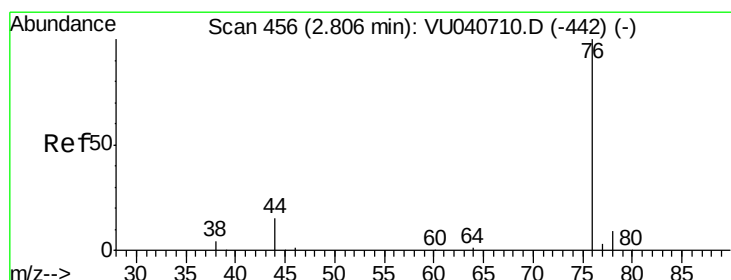
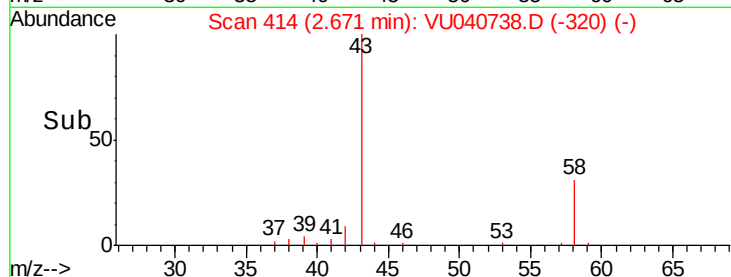
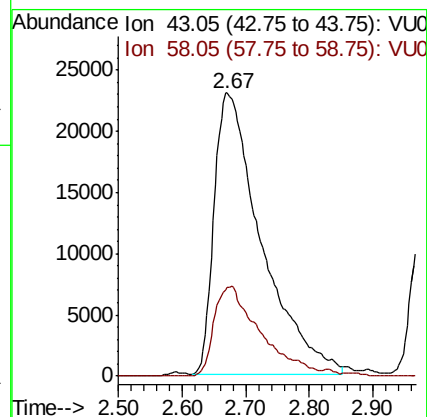
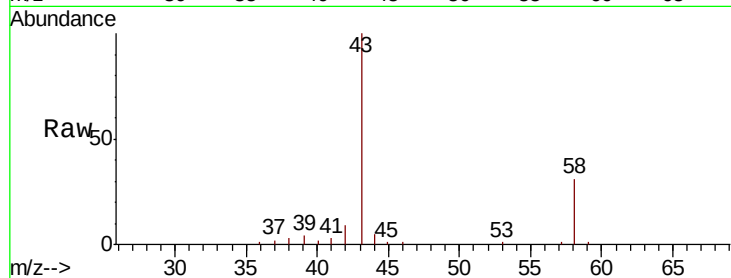
VSTD00513

Tot Ion: 43 Resp: 118747

Ion Ratio Lower Upper

43 100

58 31.0 0.0 60.6



#14

Carbon disulfide

Concen: 4.331 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040738.D

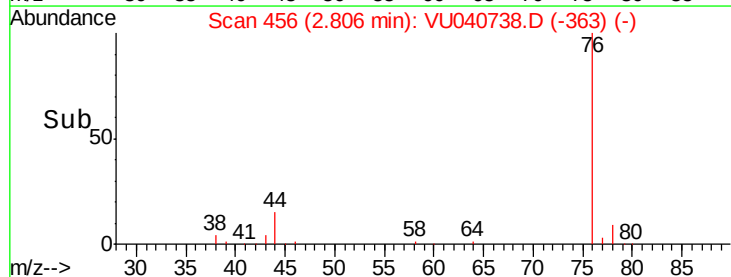
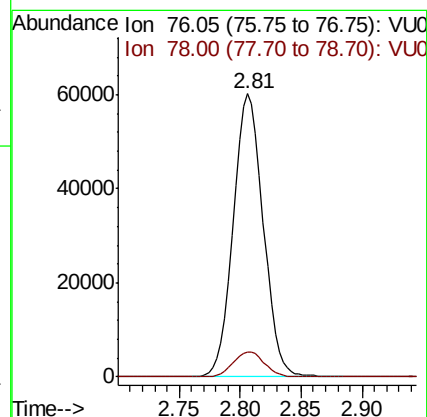
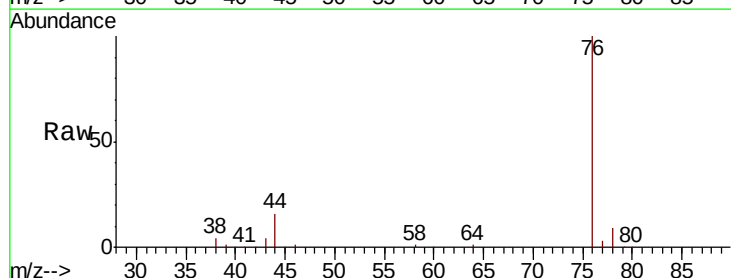
Acq: 16 Oct 2020 10:22

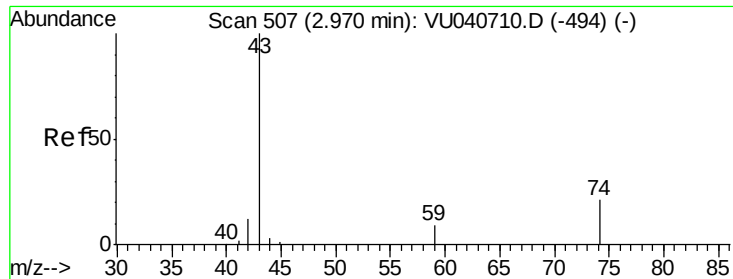
Tgt Ion: 76 Resp: 103030

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2

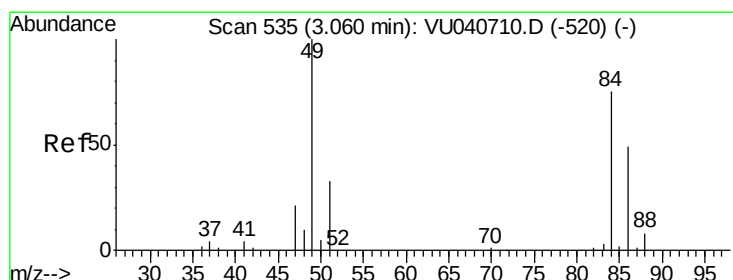
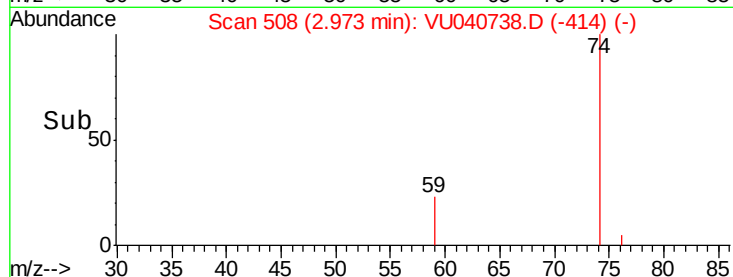
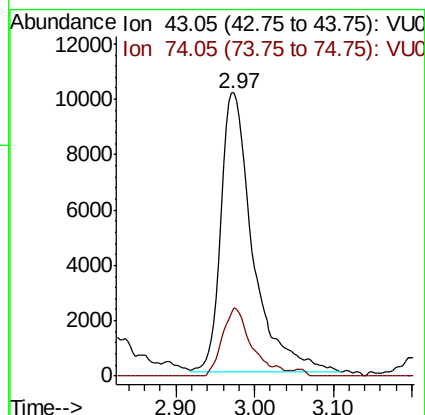
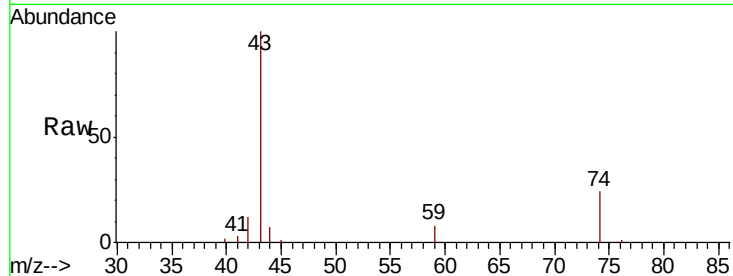




#15
Methvl Acetate
Concen: 5.069 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

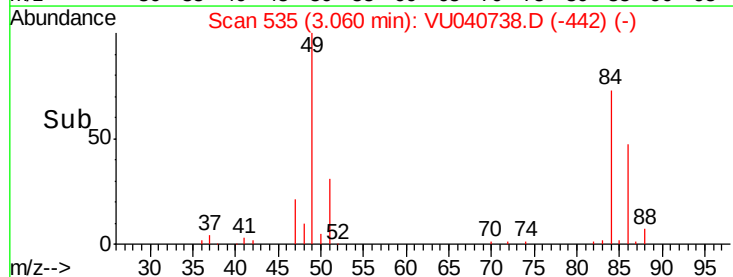
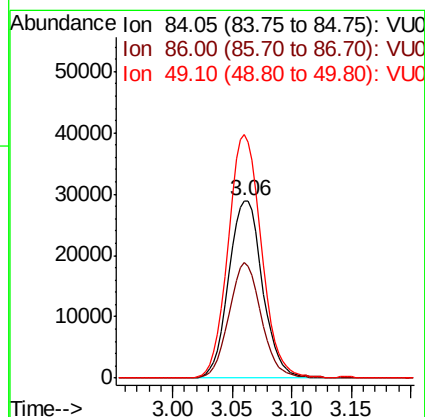
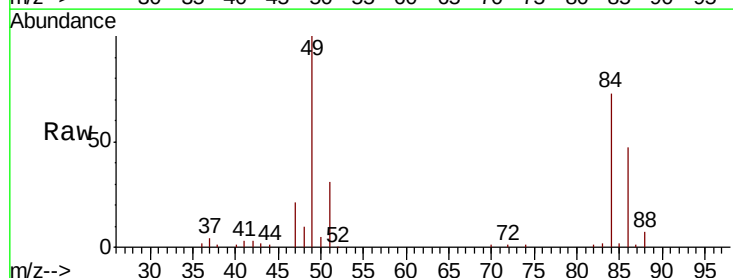
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

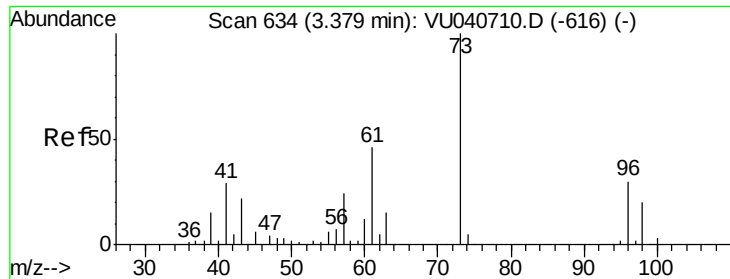
Tot Ion: 43 Resp: 28336
Ion Ratio Lower Upper
43 100
74 21.6 16.5 24.7



#16
Methylene chloride
Concen: 5.244 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

Tgt Ion: 84 Resp: 57219
Ion Ratio Lower Upper
84 100
86 65.1 45.4 84.4
49 137.3 99.8 185.3

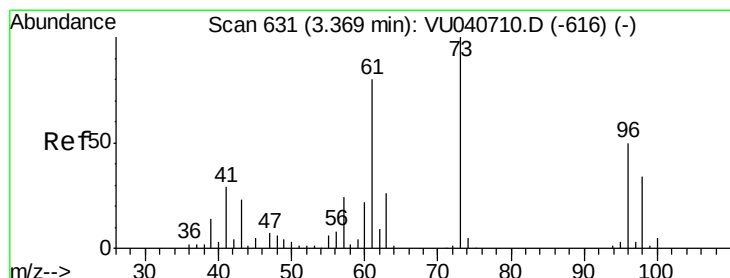
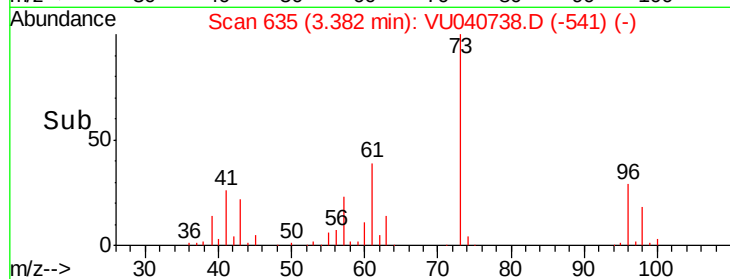
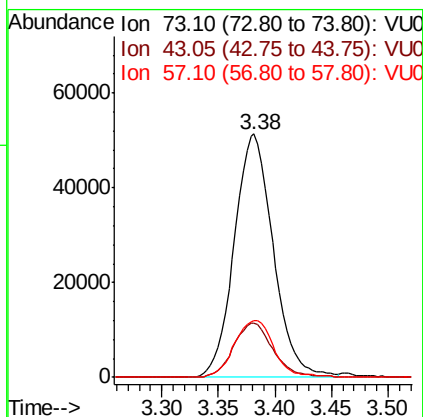
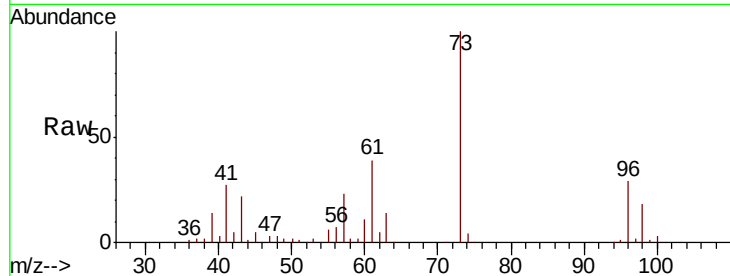




#17
Methyl tert-butyl Ether
Concen: 5.134 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

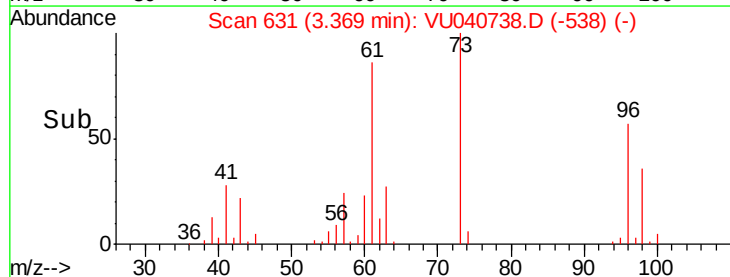
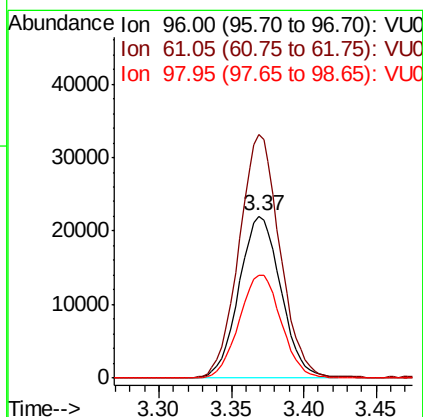
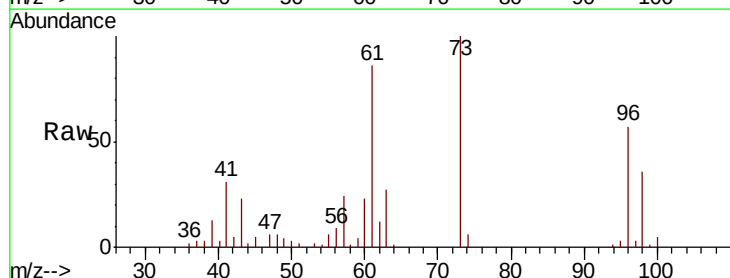
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

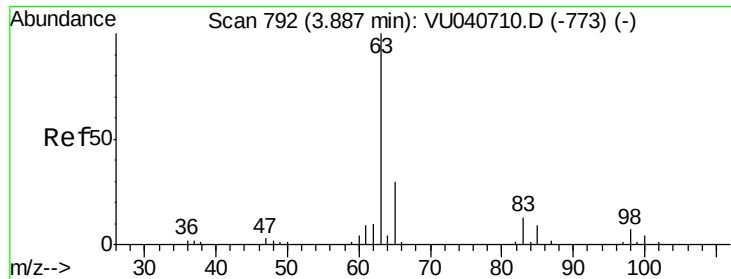
Tot Ion:	73	Resp:	123361
Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.2	27.4
57	23.9	18.6	28.0



#18
trans-1,2-Dichloroethene
Concen: 4.975 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

Tgt Ion:	96	Resp:	44252
Ion	Ratio	Lower	Upper
96	100		
61	150.2	105.9	196.7
98	63.7	43.8	81.3

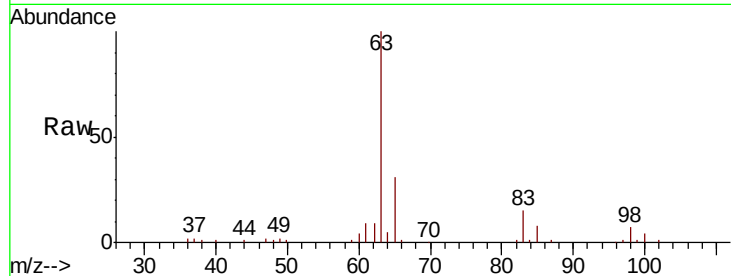




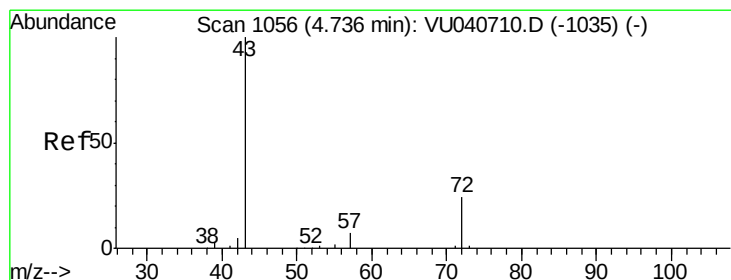
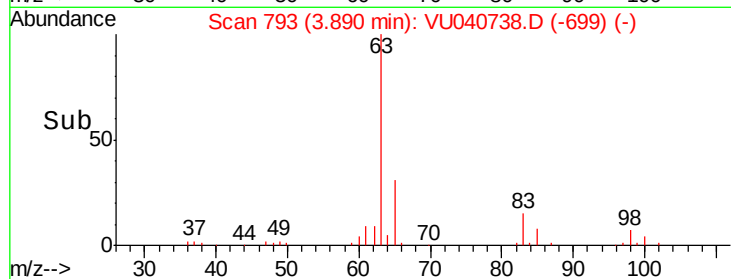
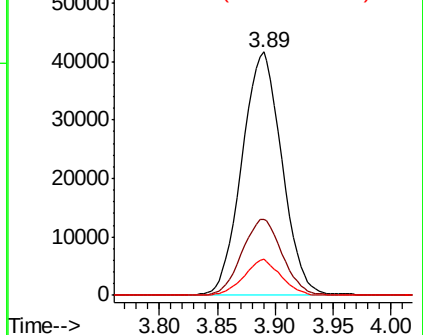
#19
 1,1-Dichloroethane
 Concen: 5.425 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 63 Resp: 99808
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.9 40.7
 83 14.7 9.6 17.8

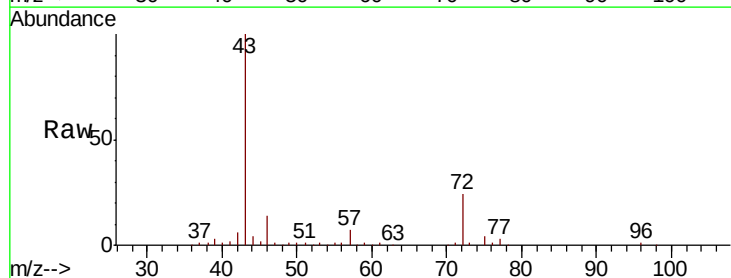


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

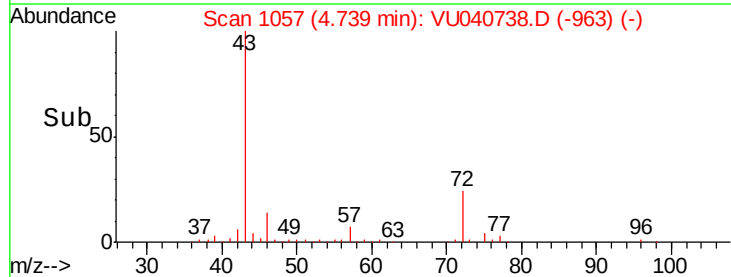
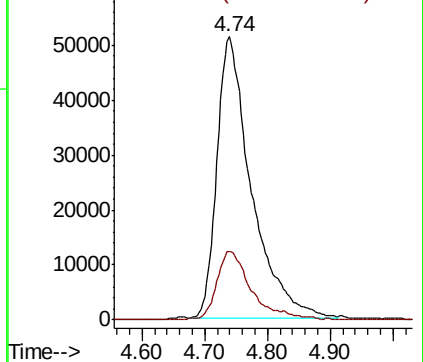


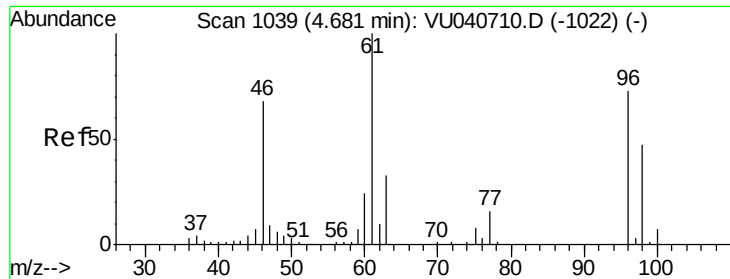
#21
 2-Butanone
 Concen: 50.980 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion: 43 Resp: 194565
 Ion Ratio Lower Upper
 43 100
 72 23.2 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

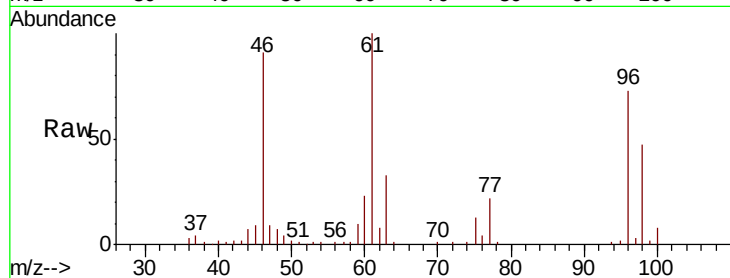




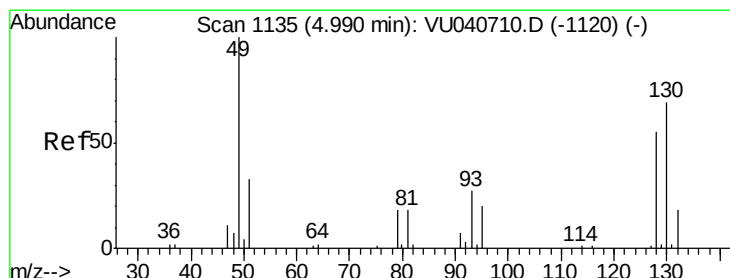
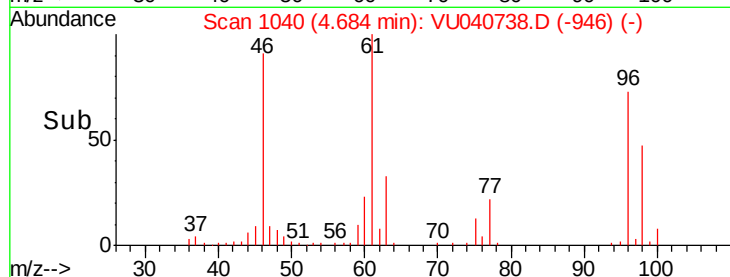
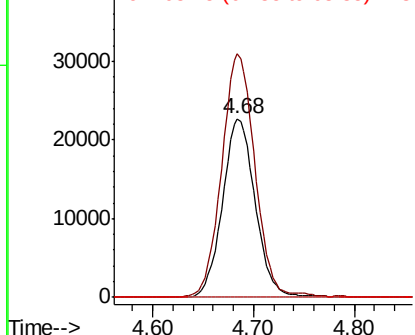
#22
 cis-1,2-Dichloroethene
 Concen: 5.325 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 96 Resp: 51079
 Ion Ratio Lower Upper
 96 100
 61 136.3 99.8 185.4
 68 0.0 0.0 0.0

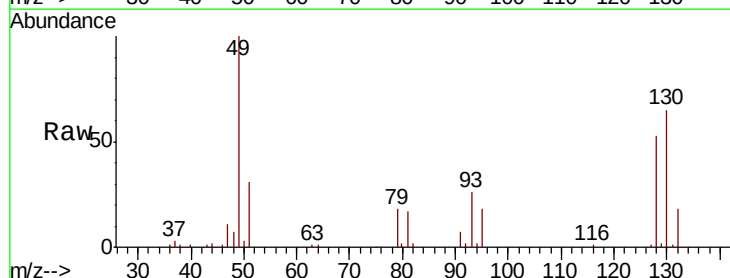


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

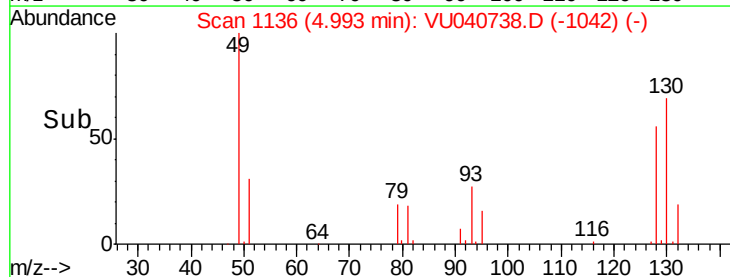
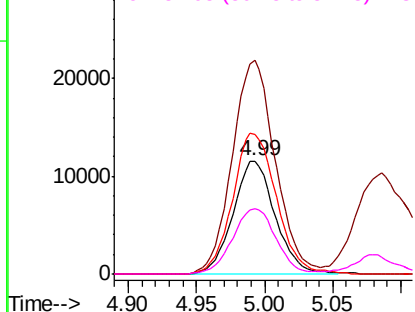


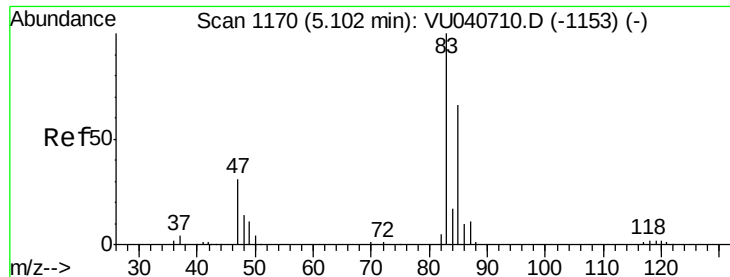
#23
 Bromochloromethane
 Concen: 5.197 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion: 128 Resp: 24769
 Ion Ratio Lower Upper
 128 100
 49 189.1 132.2 245.4
 130 123.6 89.2 165.8
 51 58.0 45.3 67.9



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: 5.684 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampled :

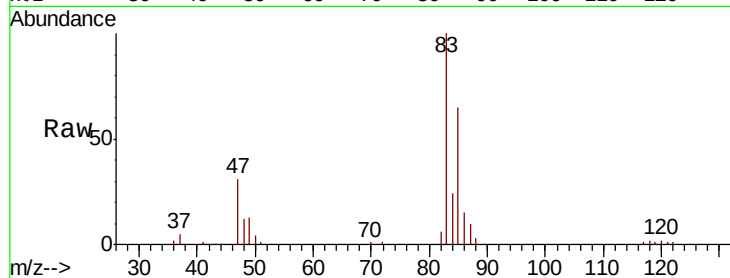
VSTD00513

Tot Ion: 83 Resp: 106762

Ion Ratio Lower Upper

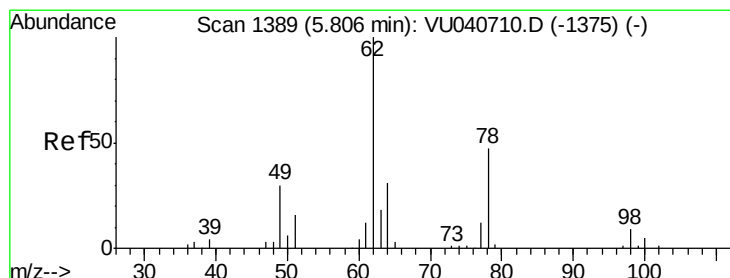
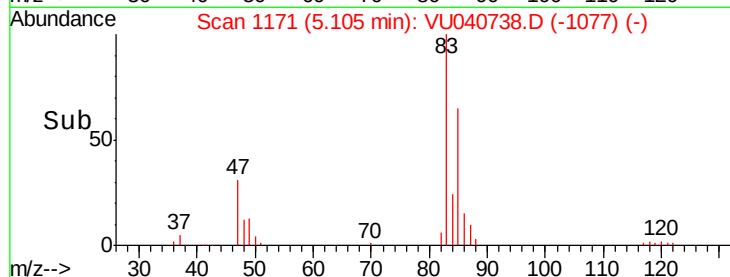
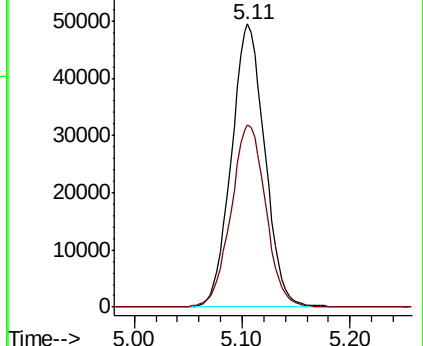
83 100

85 64.5 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 5.299 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU040738.D

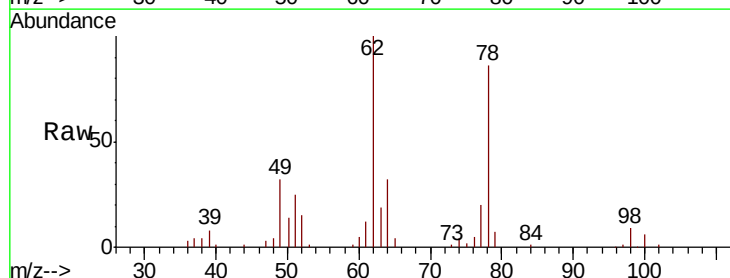
Acq: 16 Oct 2020 10:22

Tgt Ion: 62 Resp: 70454

Ion Ratio Lower Upper

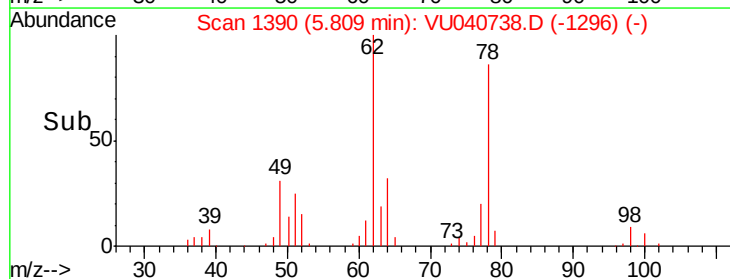
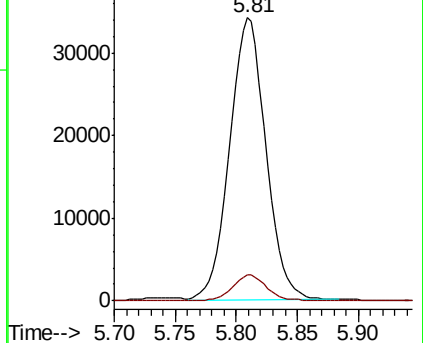
62 100

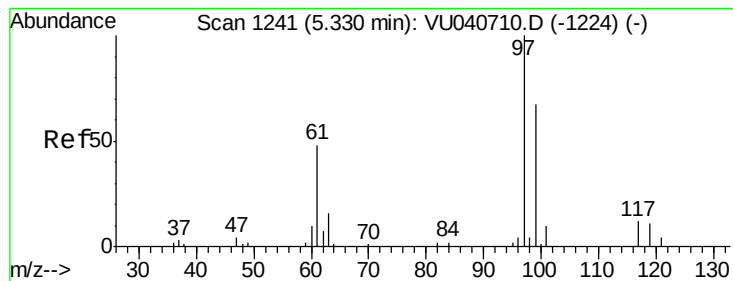
98 9.0 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#29

1,1,1-Trichloroethane

Concen: 5.349 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

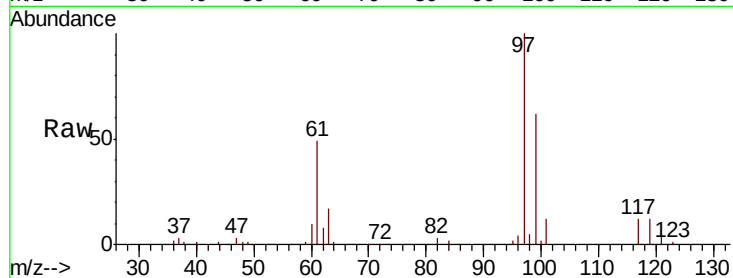
Tot Ion: 97 Resp: 87282

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 48.4 39.4 59.2

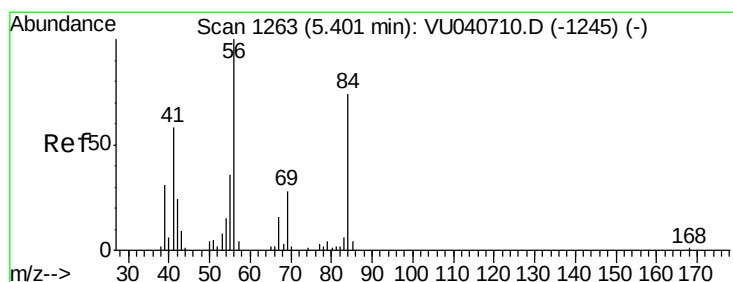
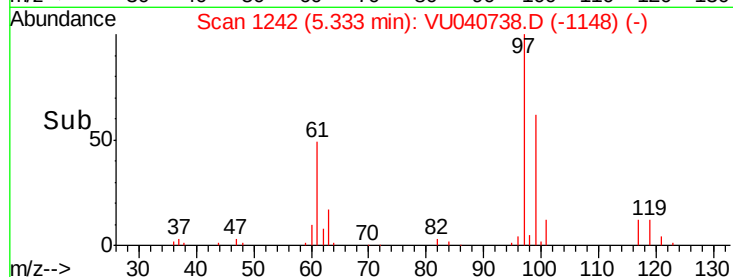
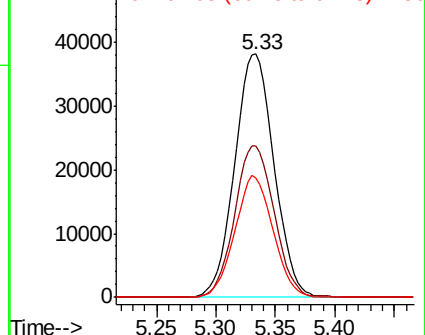


Abundance

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: 4.612 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

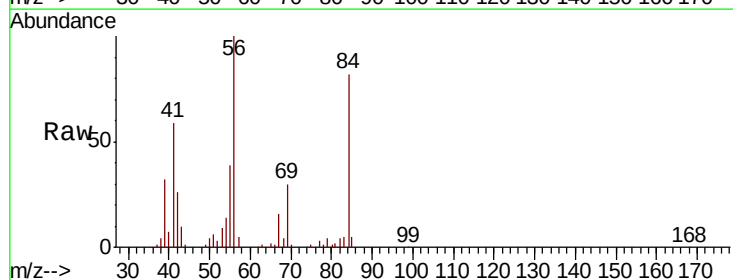
Tgt Ion: 56 Resp: 69359

Ion Ratio Lower Upper

56 100

69 28.9 23.8 35.8

84 79.5 64.0 96.0

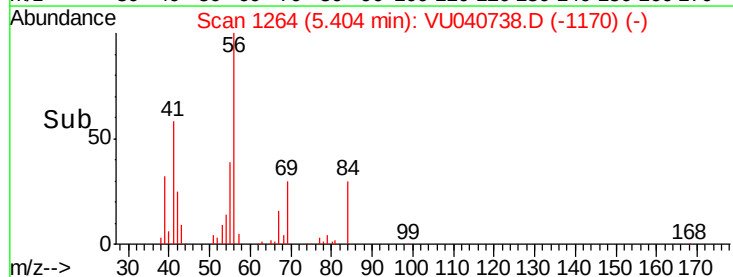
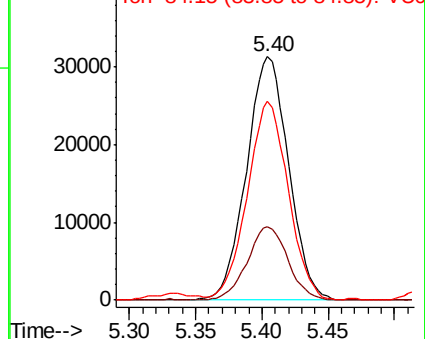


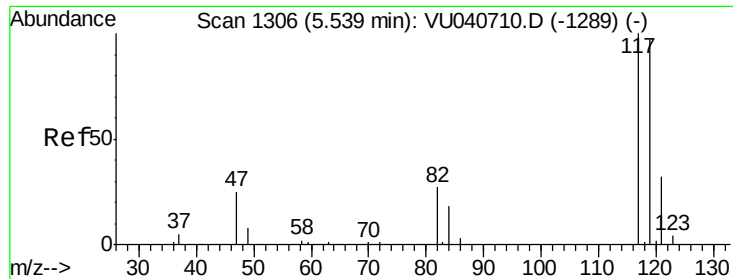
Abundance

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

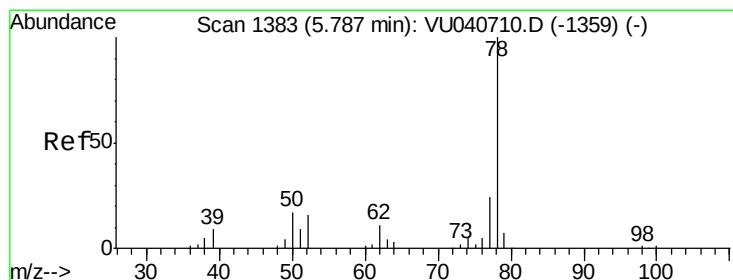
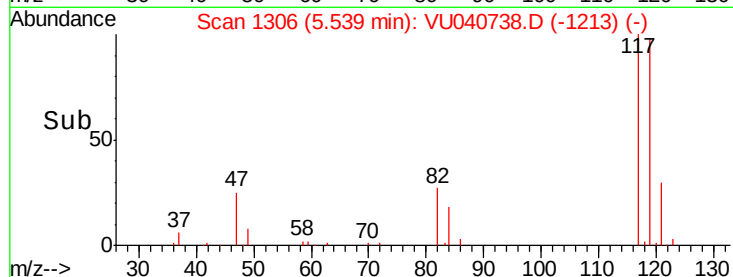
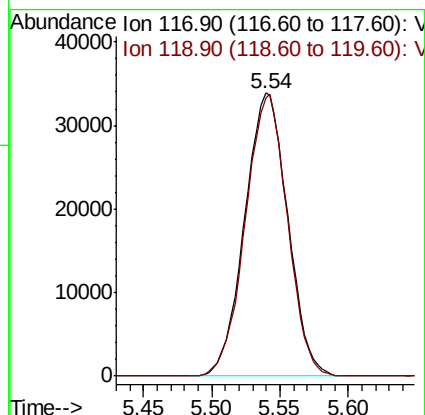
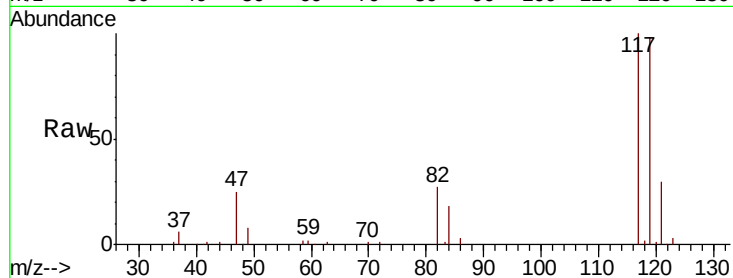




#31
Carbon tetrachloride
Concen: 5.300 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

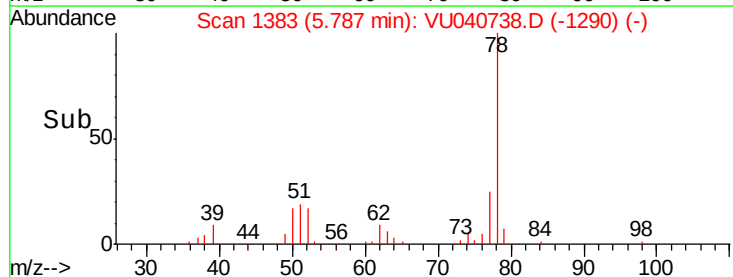
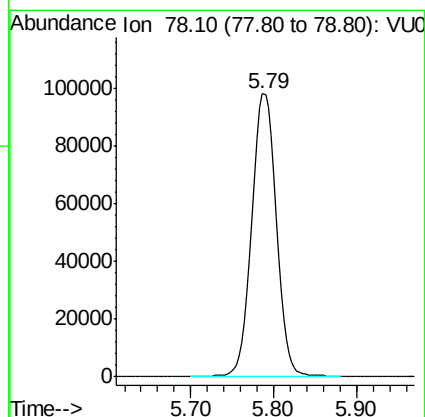
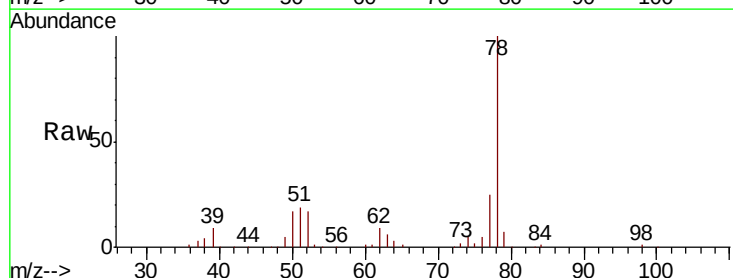
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

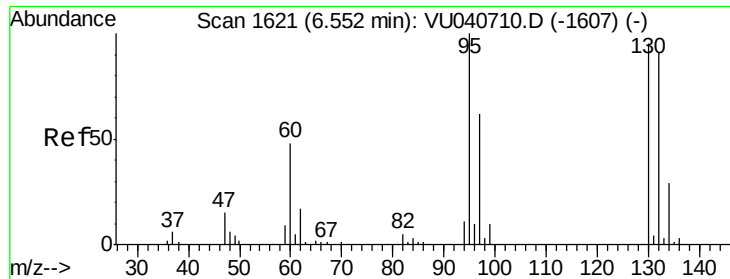
Tot Ion:117 Resp: 74010
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2



#33
Benzene
Concen: 5.198 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

Tgt Ion: 78 Resp: 202812





#34

Trichloroethene

Concen: 5.142 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tot Ion: 95 Resp: 52001

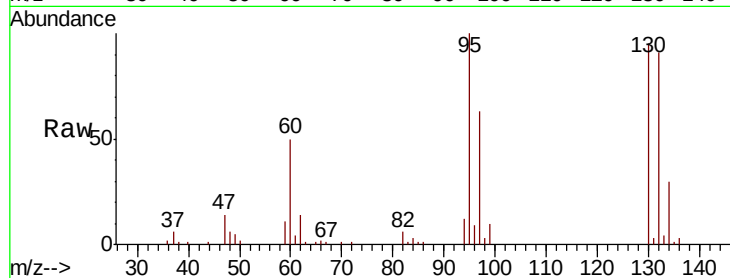
Ion Ratio Lower Upper

95 100

97 62.5 45.5 84.5

132 91.1 67.5 125.4

130 94.6 69.9 129.9

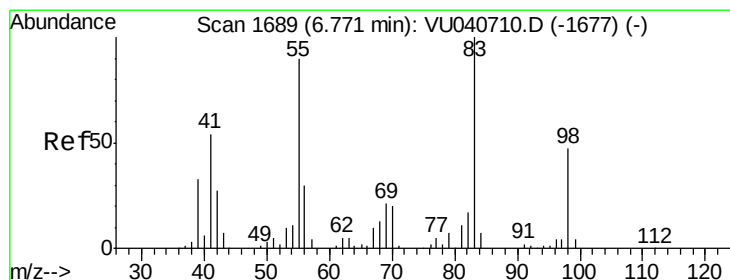
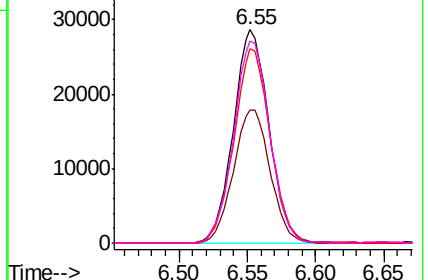
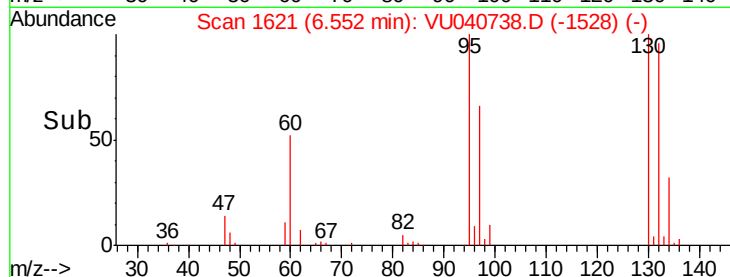


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.460 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

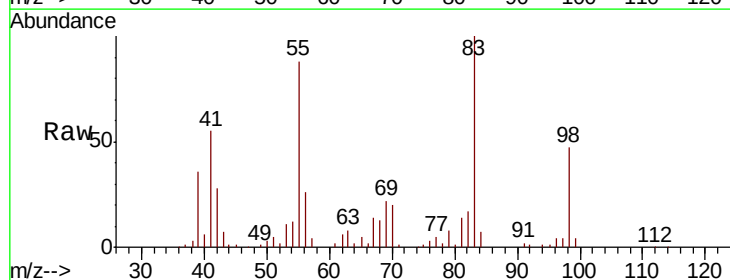
Tgt Ion: 83 Resp: 63966

Ion Ratio Lower Upper

83 100

55 88.0 70.7 106.1

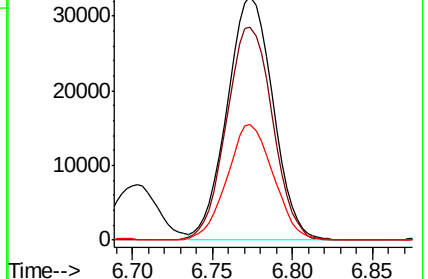
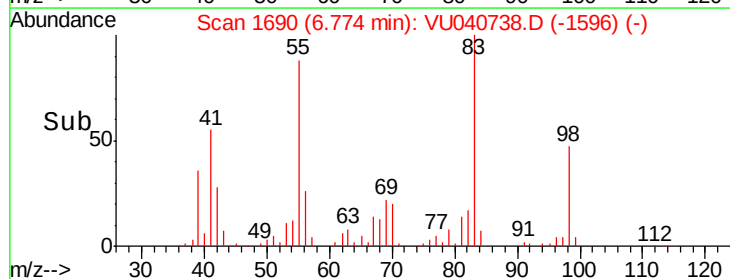
98 47.8 38.4 57.6

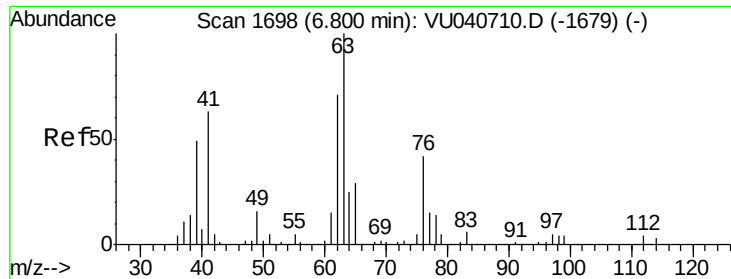


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

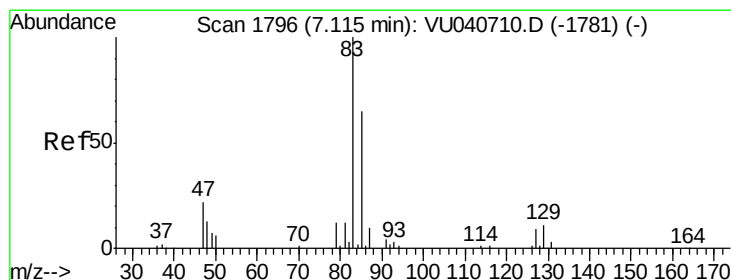
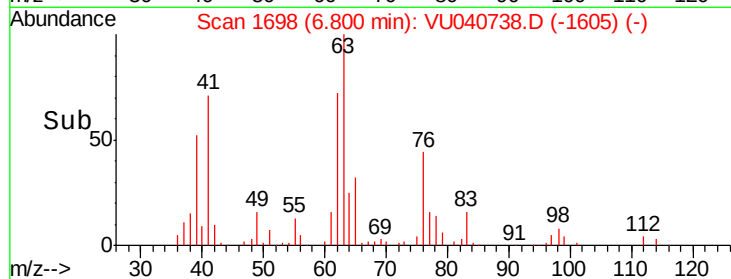
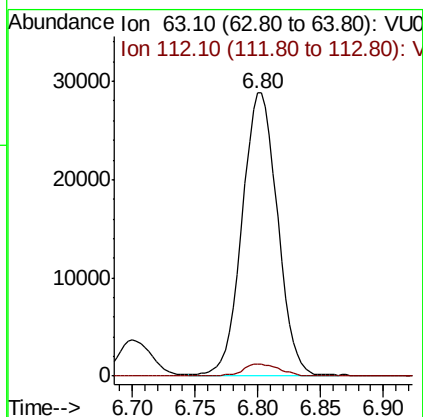
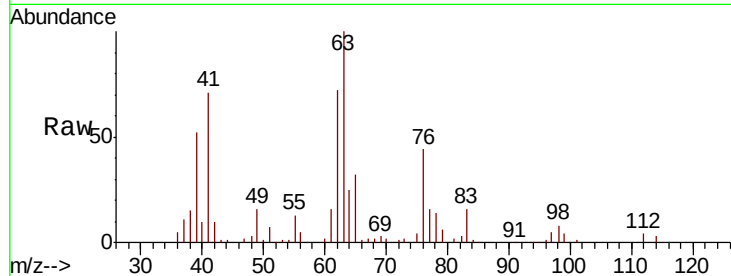




#37
 1,2-Dichloropropane
 Concen: 5.182 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

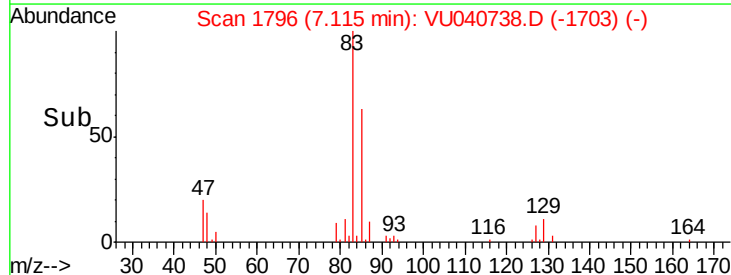
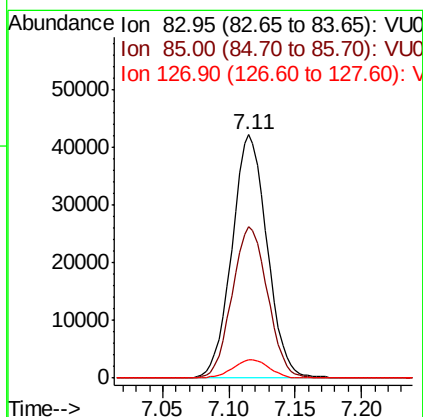
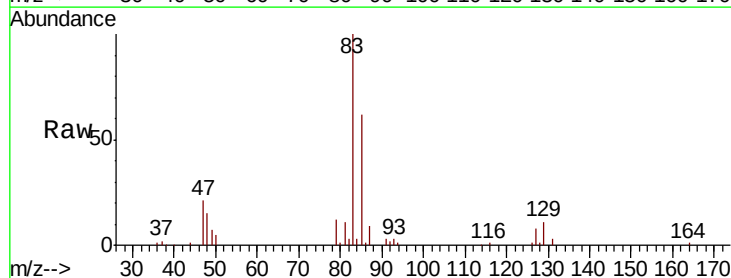
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

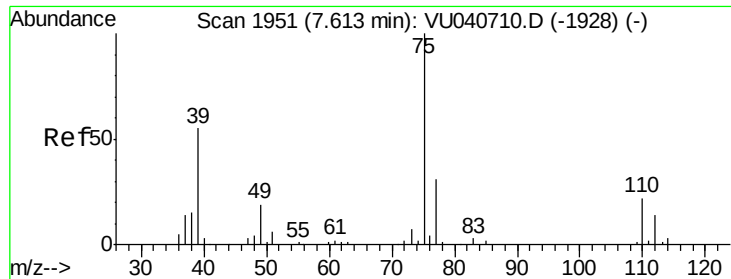
Tot Ion: 63 Resp: 56327
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.587 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion: 83 Resp: 77634
 Ion Ratio Lower Upper
 83 100
 85 61.9 46.0 85.4
 127 7.7 6.7 10.1

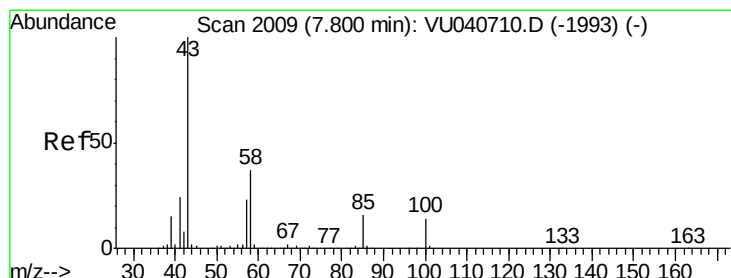
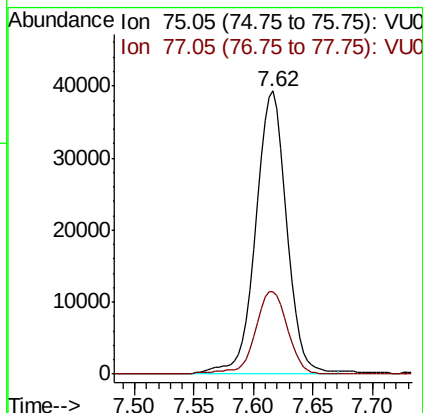
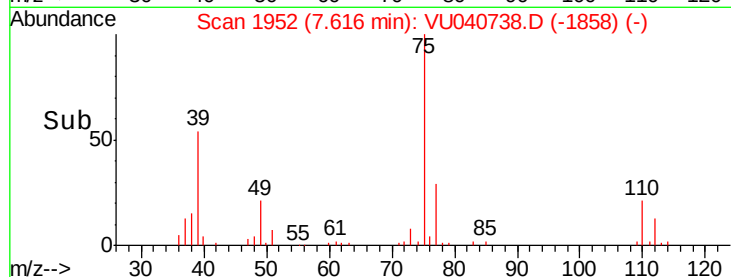
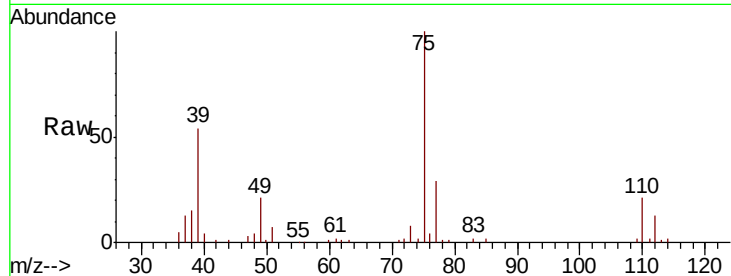




#39
 cis-1,3-Dichloropropene
 Concen: 4.776 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

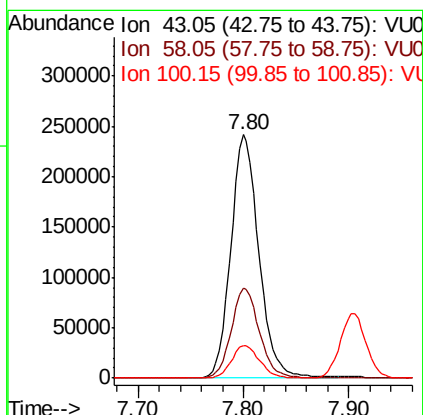
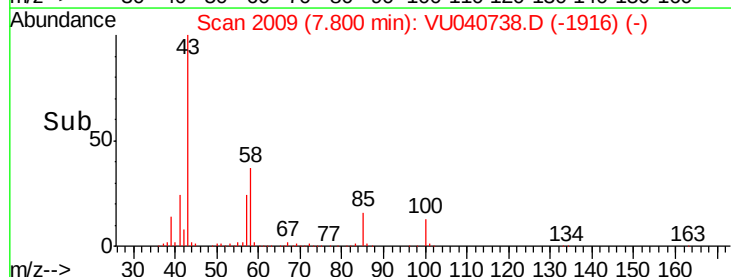
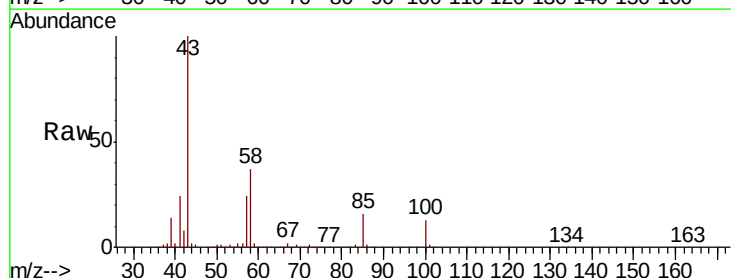
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

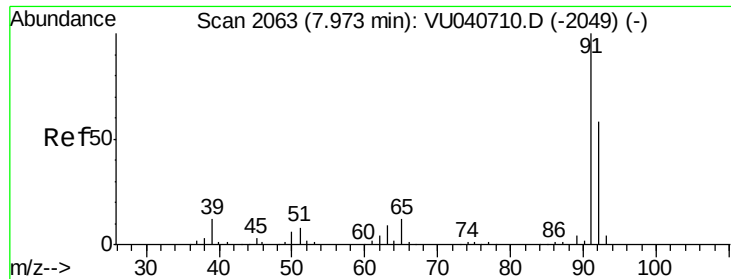
Tot Ion: 75 Resp: 70934
 Ion Ratio Lower Upper
 75 100
 77 29.2 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 51.258 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion: 43 Resp: 444221
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.7 44.5
 100 13.5 10.7 16.1





#42

Toluene

Concen: 5.342 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

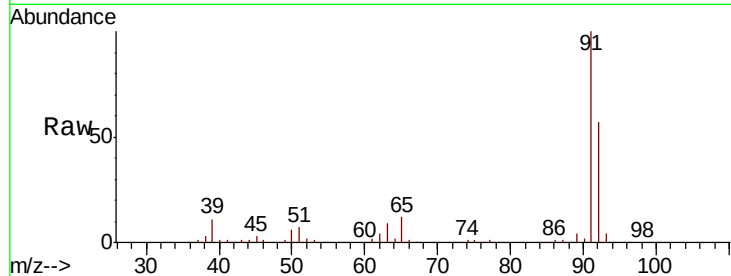
VSTD00513

Tot Ion: 91 Resp: 212357

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

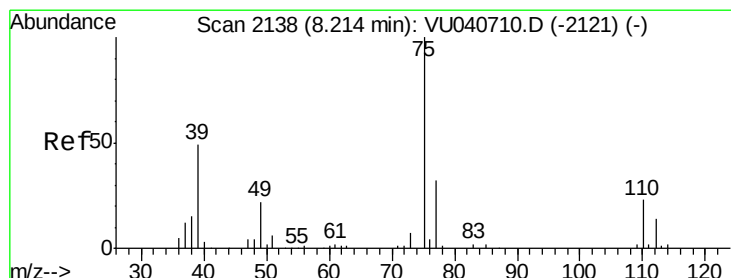
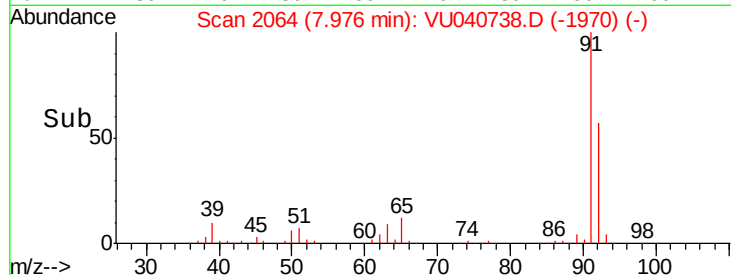
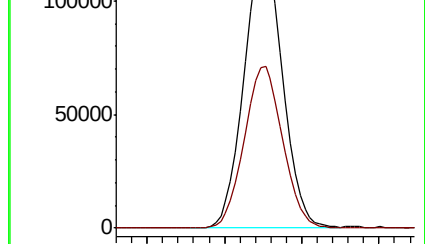
Ion 92.15 (91.85 to 92.85): VU0

7.98

100000

50000

0



#44

trans-1,3-Dichloropropene

Concen: 4.980 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040738.D

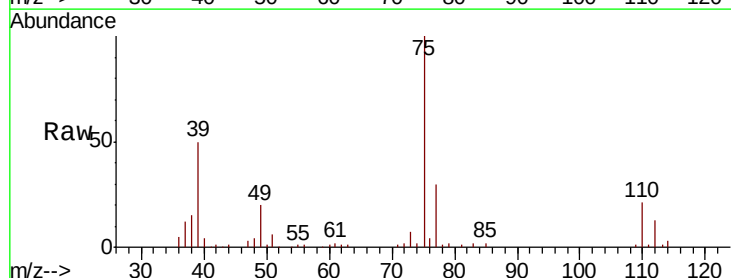
Acq: 16 Oct 2020 10:22

Tgt Ion: 75 Resp: 68094

Ion Ratio Lower Upper

75 100

77 30.0 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

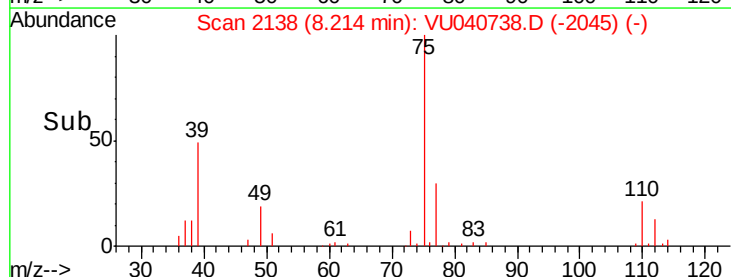
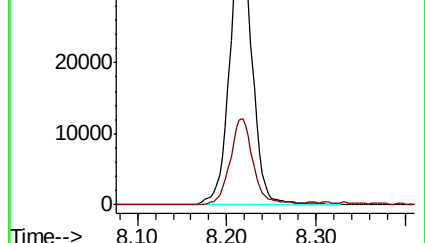
40000

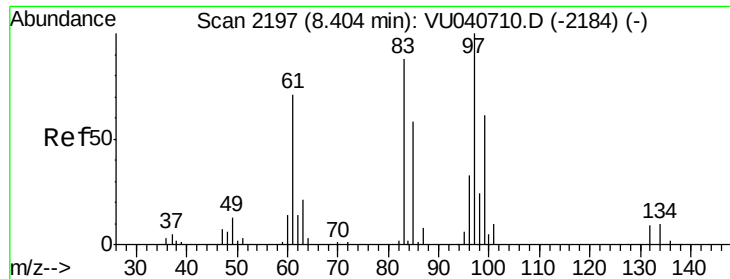
30000

20000

10000

0

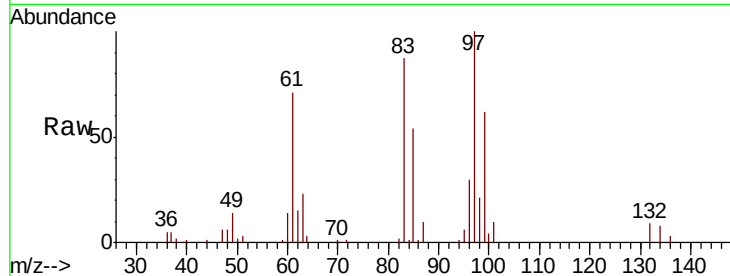




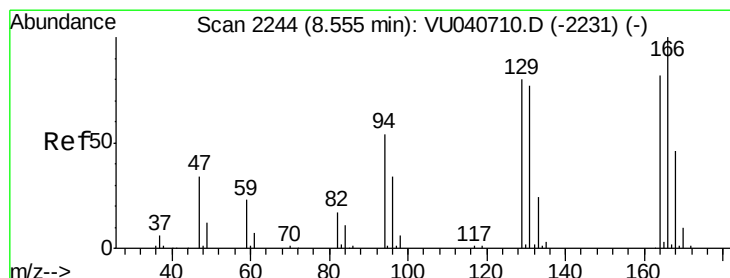
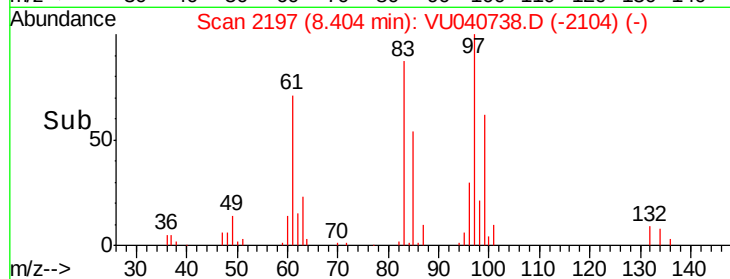
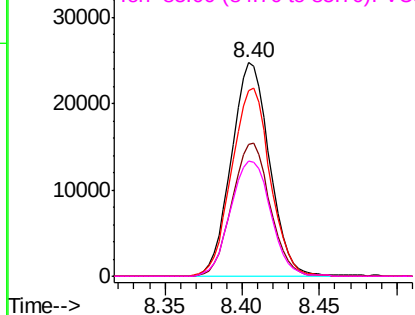
#45
 1,1,2-Trichloroethane
 Concen: 5.220 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	42499
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.0	81.6
83	87.1	62.9	116.9
85	53.7	40.3	74.8

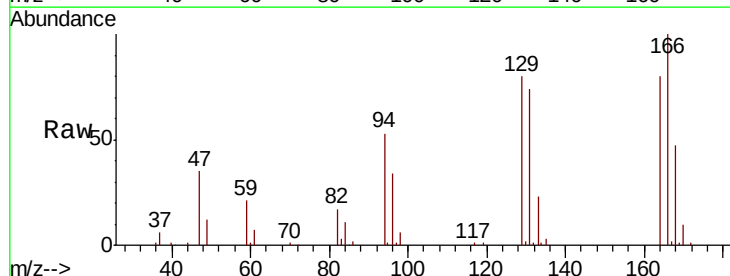


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

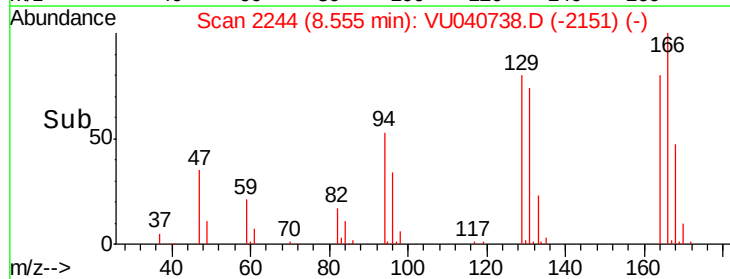
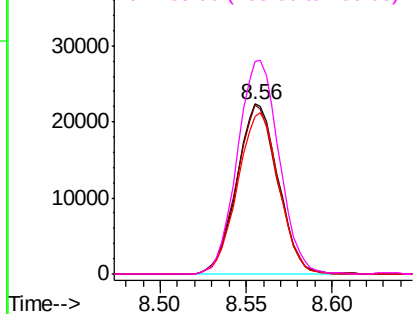


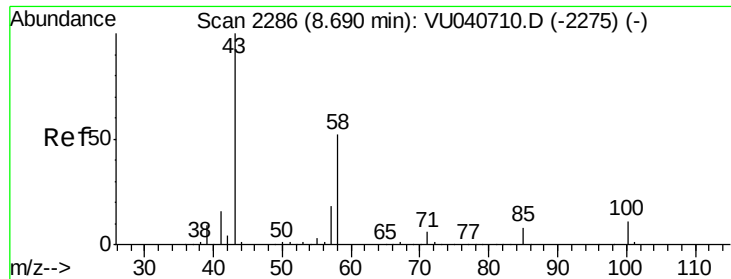
#47
 Tetrachloroethene
 Concen: 5.155 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion:	164	Resp:	37193
Ion	Ratio	Lower	Upper
164	100		
129	99.4	68.8	127.8
131	92.9	66.7	123.9
166	124.8	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

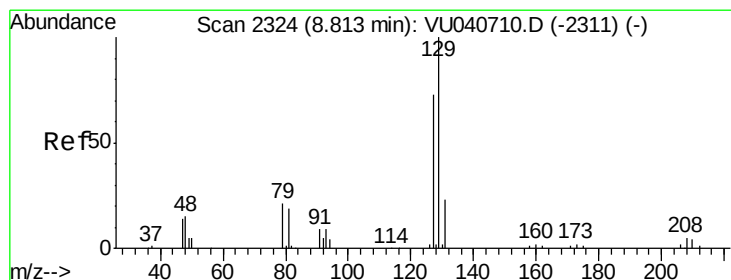
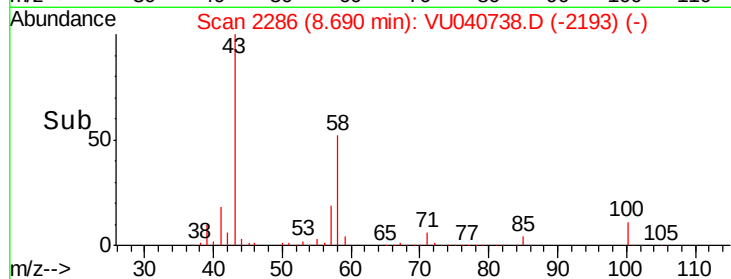
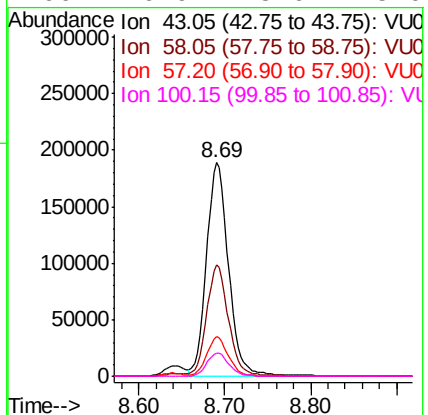
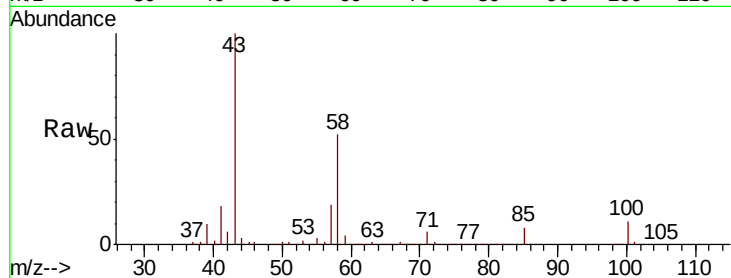




#48
2-Hexanone
Concen: 52.464 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

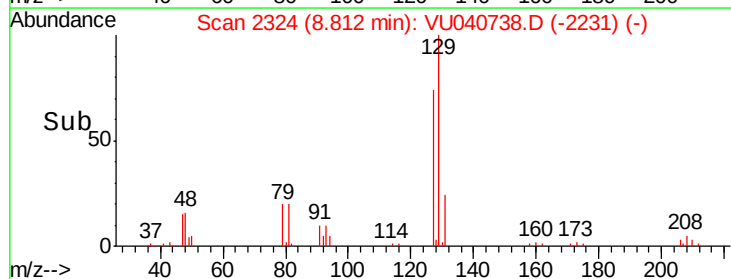
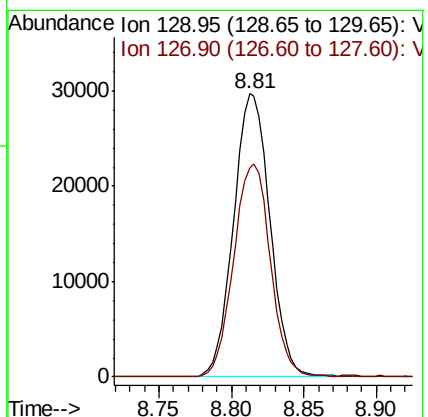
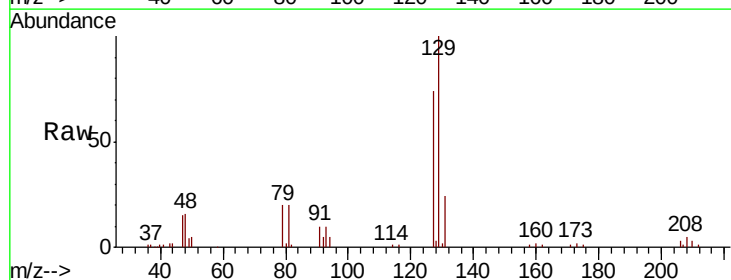
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

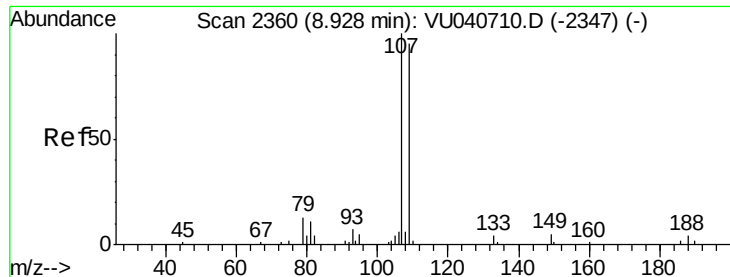
Tot Ion: 43 Resp: 338510
Ion Ratio Lower Upper
43 100
58 50.4 41.0 61.6
57 18.1 14.4 21.6
100 10.9 8.6 13.0



#49
Dibromochloromethane
Concen: 5.537 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040738.D
Acq: 16 Oct 2020 10:22

Tgt Ion: 129 Resp: 51865
Ion Ratio Lower Upper
129 100
127 74.0 55.8 103.6

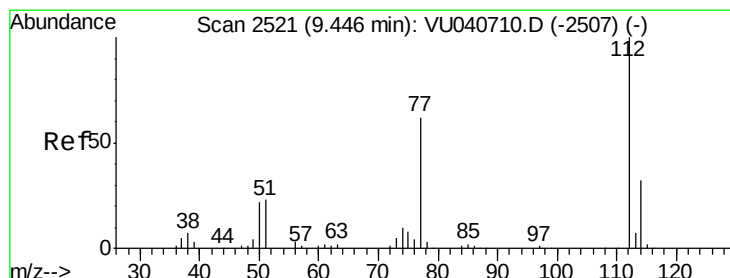
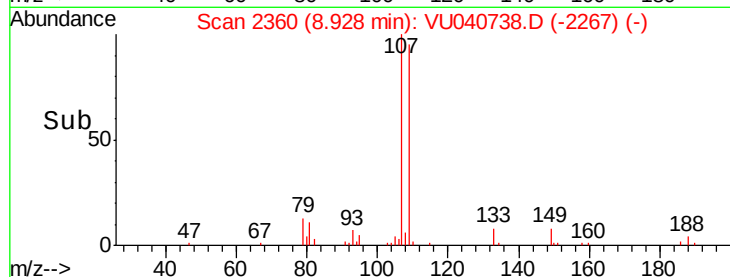
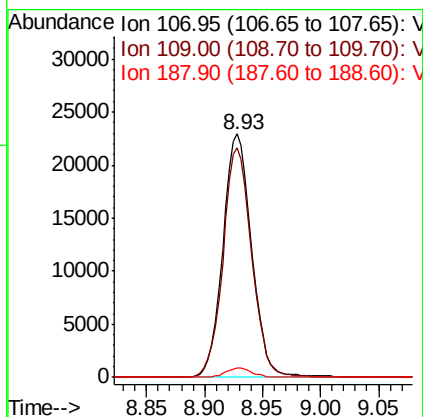
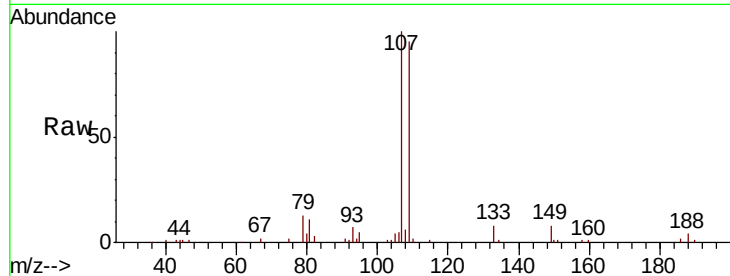




#50
 1,2-Dibromoethane
 Concen: 5.110 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

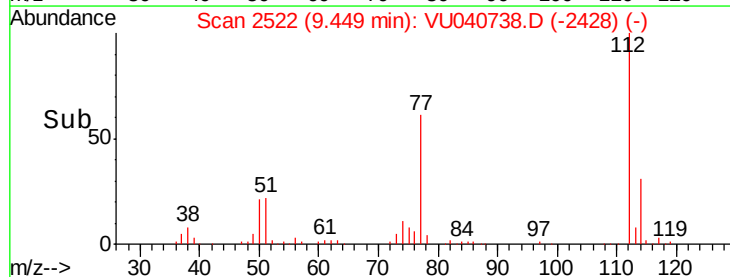
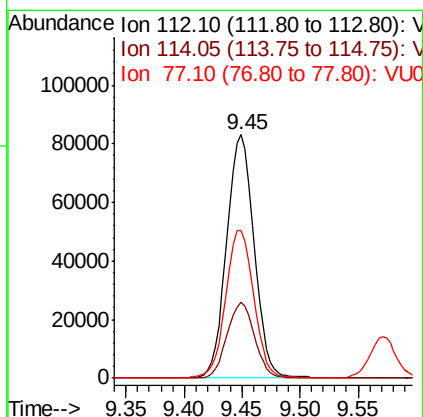
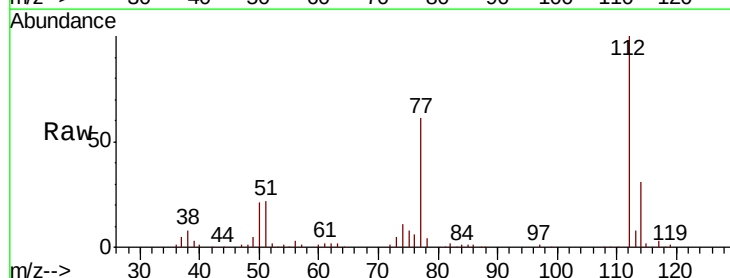
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

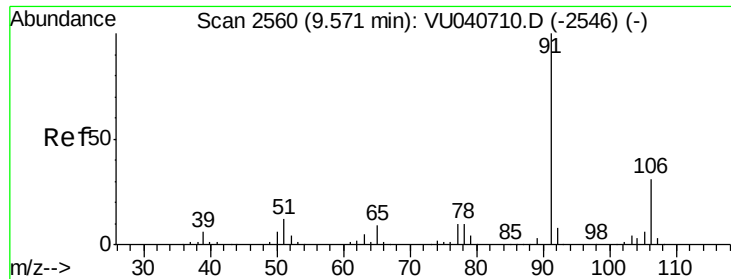
Tot Ion:107 Resp: 39463
 Ion Ratio Lower Upper
 107 100
 109 94.5 65.7 121.9
 188 4.0 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.194 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion:112 Resp: 136013
 Ion Ratio Lower Upper
 112 100
 114 31.0 23.1 42.9
 77 60.8 50.3 75.5





#52

Ethylbenzene

Concen: 5.118 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

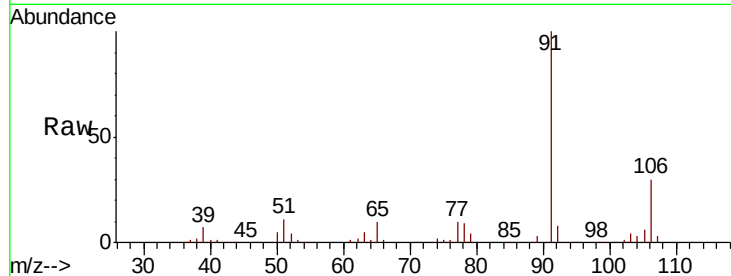
VSTD00513

Tot Ion: 91 Resp: 220197

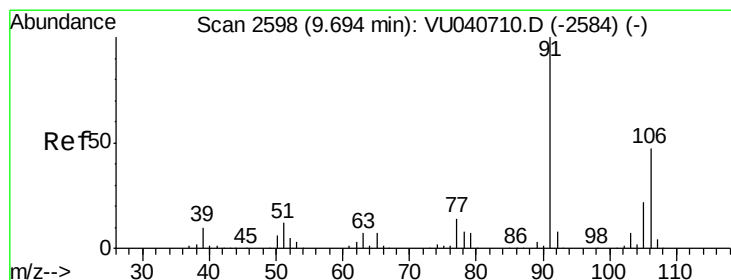
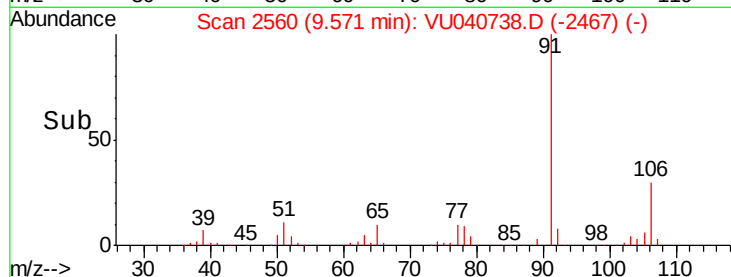
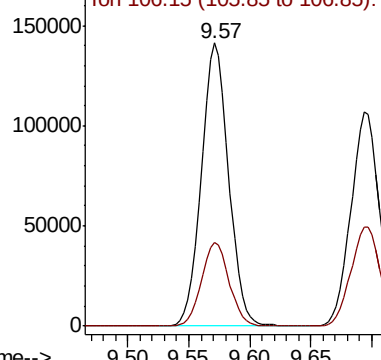
Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040738.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.281 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040738.D

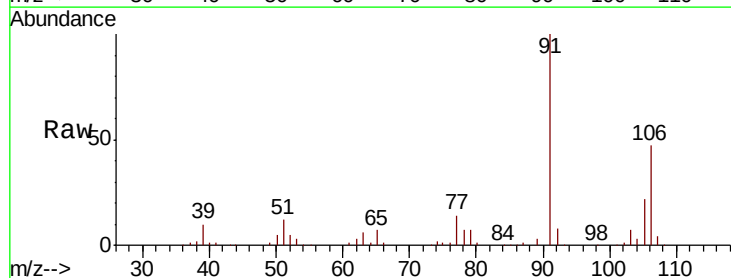
Acq: 16 Oct 2020 10:22

Tgt Ion: 106 Resp: 82826

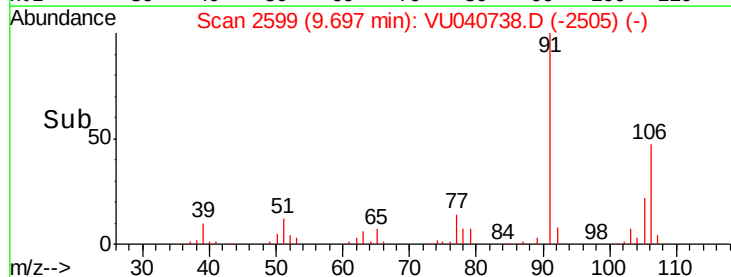
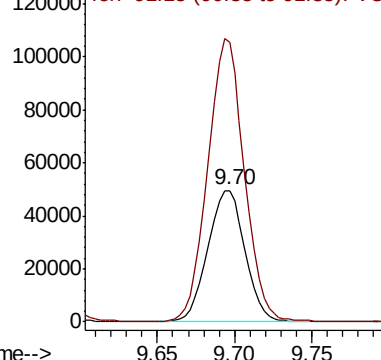
Ion Ratio Lower Upper

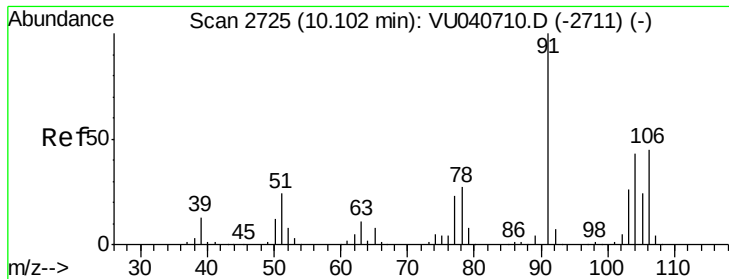
106 100

91 213.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040738.D (-2598) (-)





#54

o-Xylene

Concen: 5.221 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

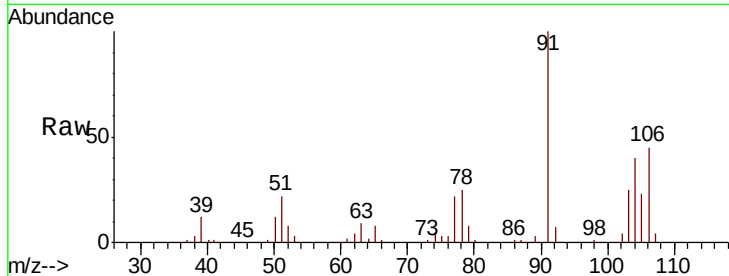
VSTD00513

Tot Ion:106 Resp: 78739

Ion Ratio Lower Upper

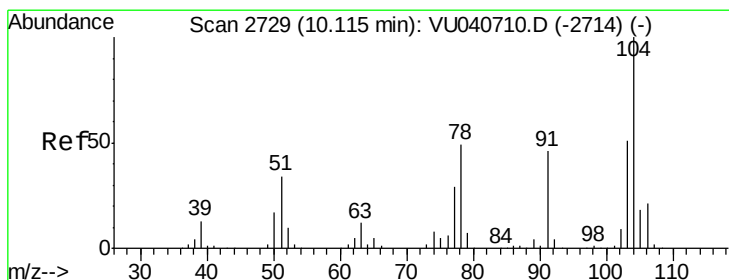
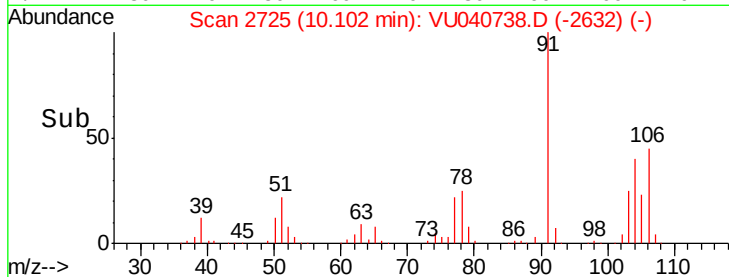
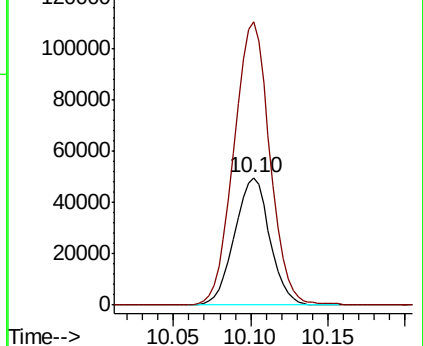
106 100

91 222.4 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.589 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040738.D

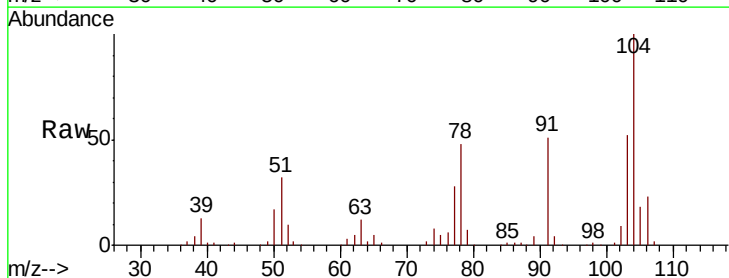
Acq: 16 Oct 2020 10:22

Tgt Ion:104 Resp: 146384

Ion Ratio Lower Upper

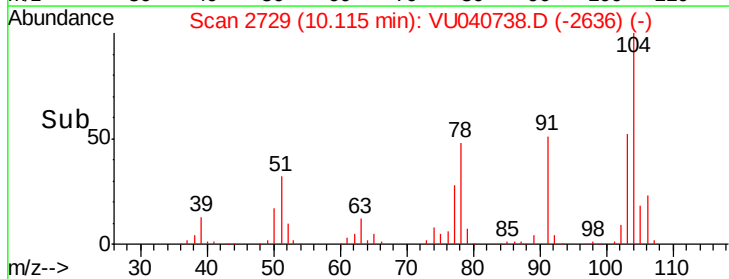
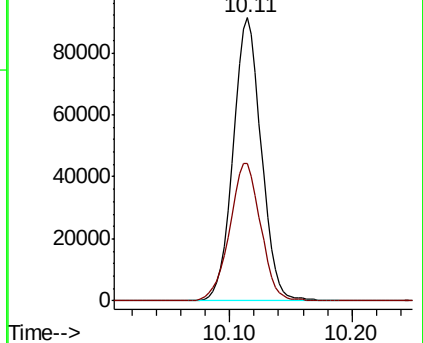
104 100

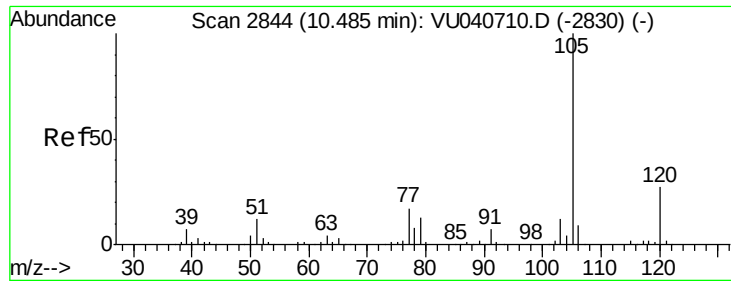
78 48.4 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.243 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

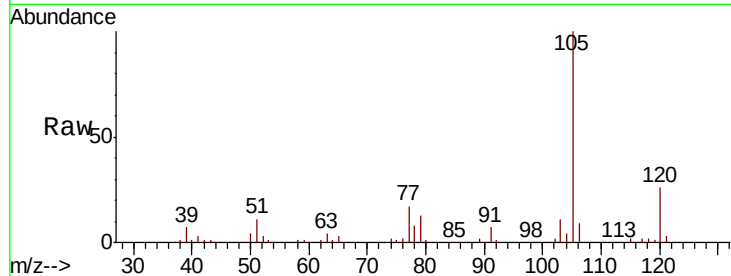
Tot Ion:105 Resp: 212865

Ion Ratio Lower Upper

105 100

120 26.2 20.6 30.8

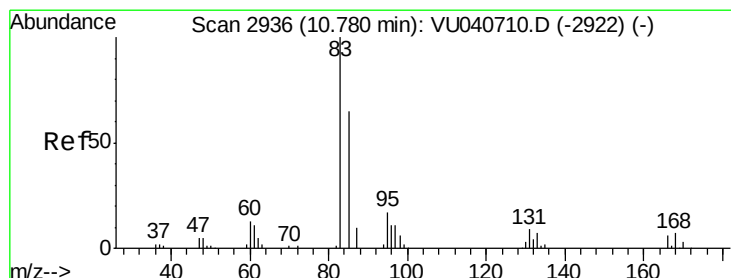
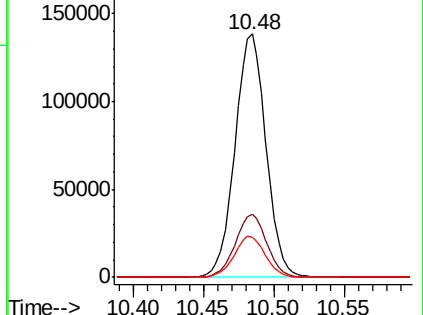
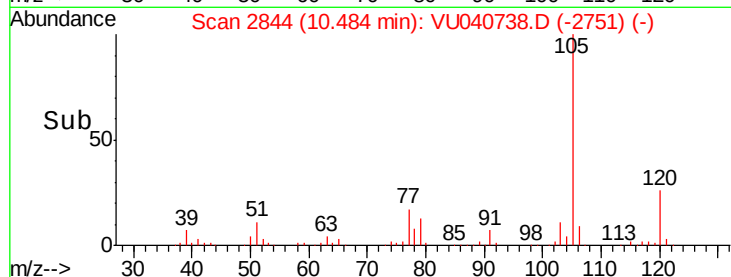
77 17.1 13.8 20.6



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: 5.171 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

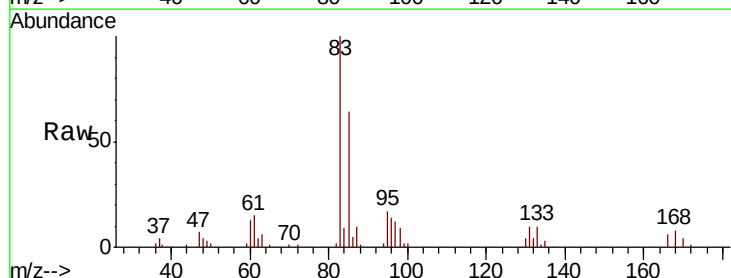
Tgt Ion: 83 Resp: 55276

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

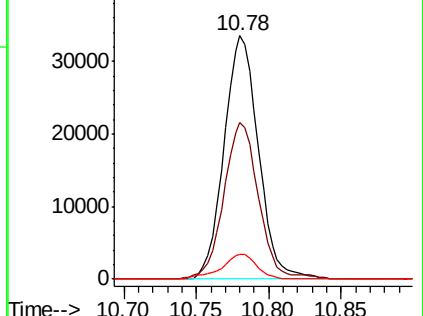
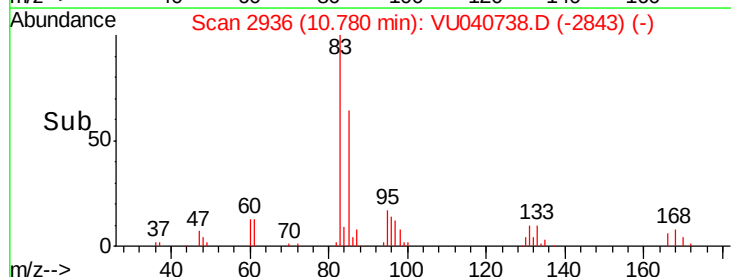
131 10.2 7.1 10.7

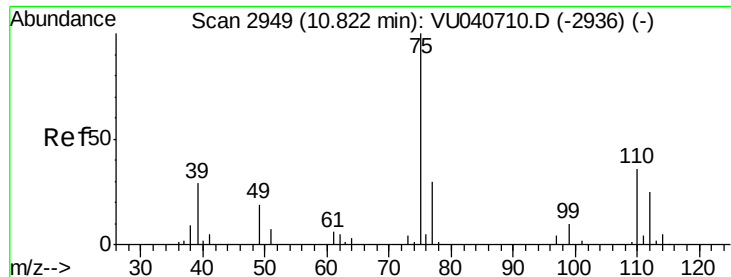


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.126 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

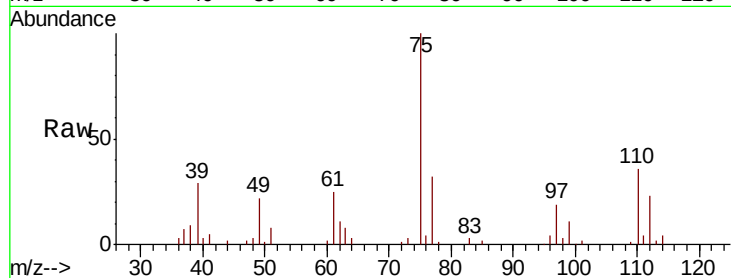
VSTD00513

Tot Ion: 75 Resp: 40927

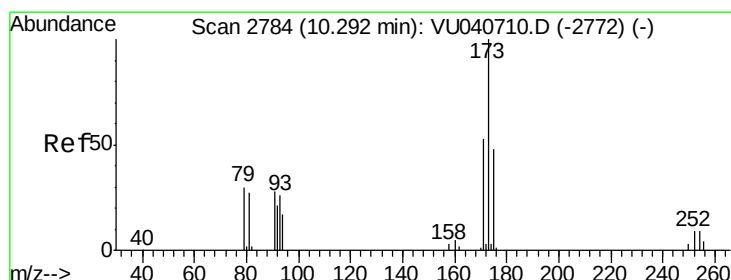
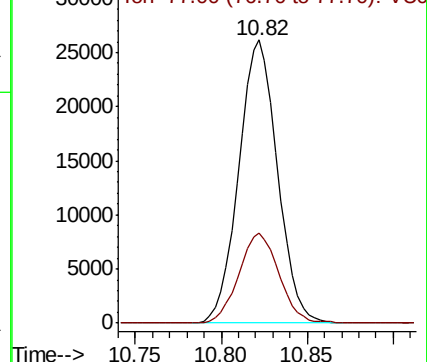
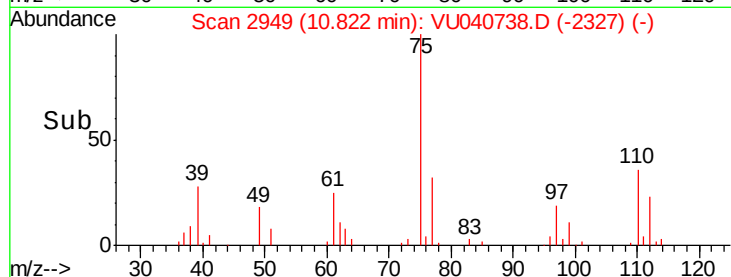
Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040738.D (-2327) (-)



#61

Bromoform

Concen: 5.483 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

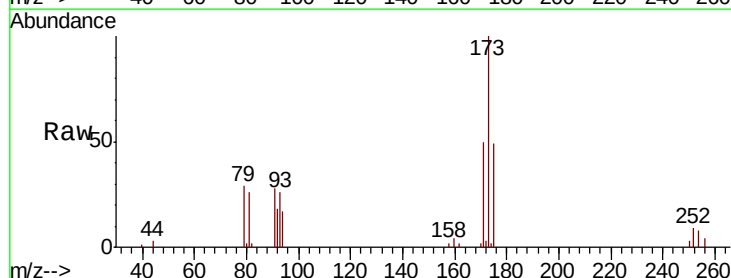
Tgt Ion: 173 Resp: 29105

Ion Ratio Lower Upper

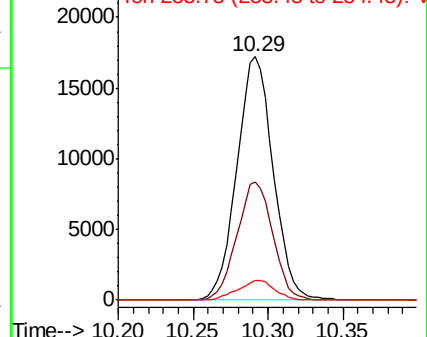
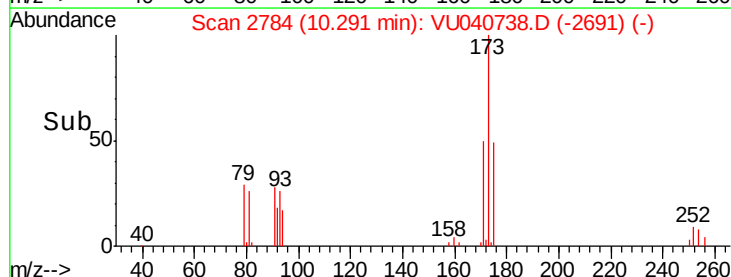
173 100

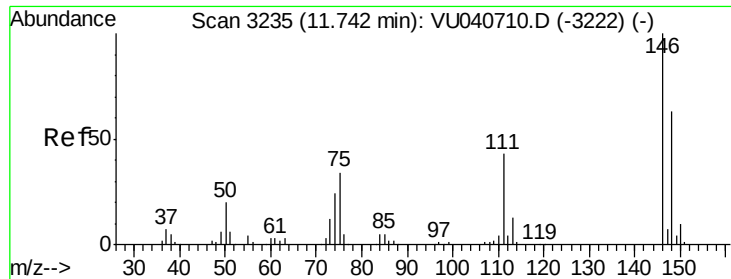
175 47.8 37.4 56.0

254 8.1 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040738.D (-2691) (-)

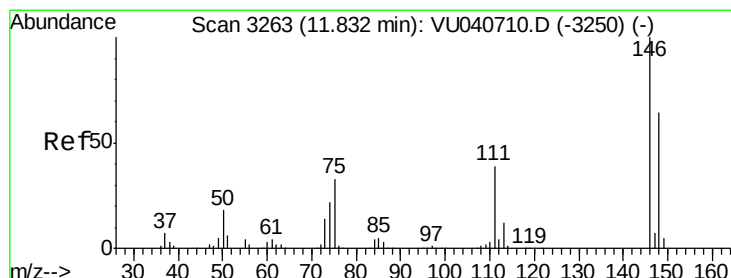
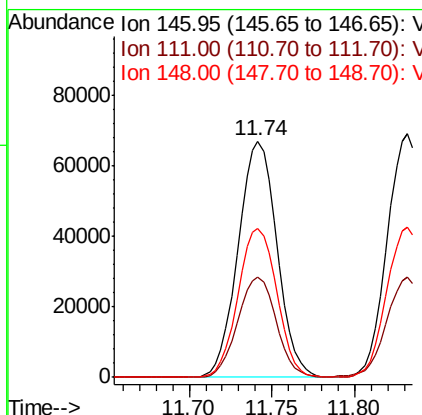
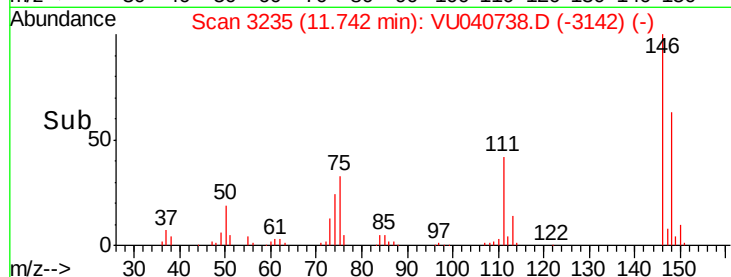
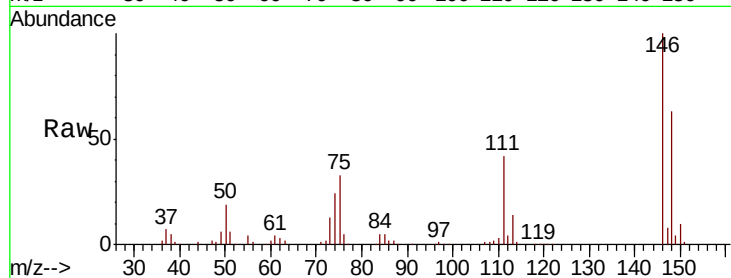




#62
 1,3-Dichlorobenzene
 Concen: 5.393 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

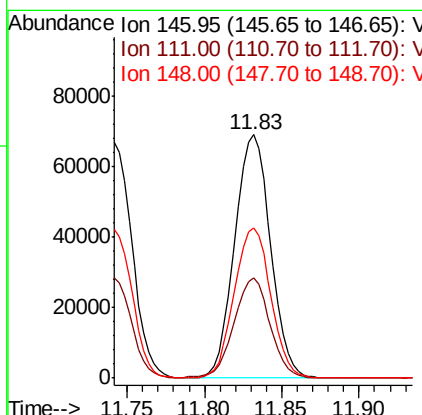
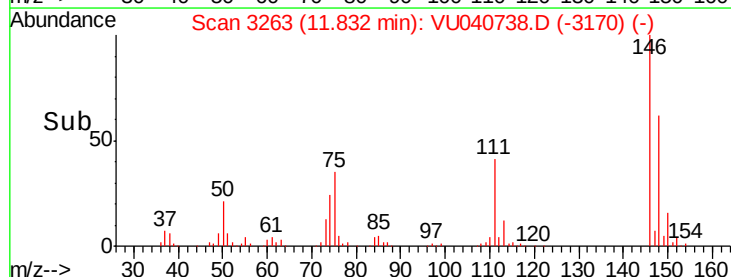
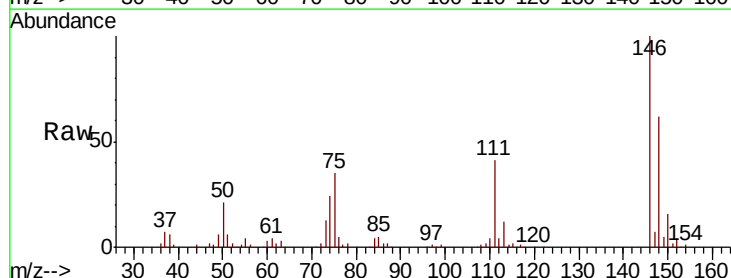
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

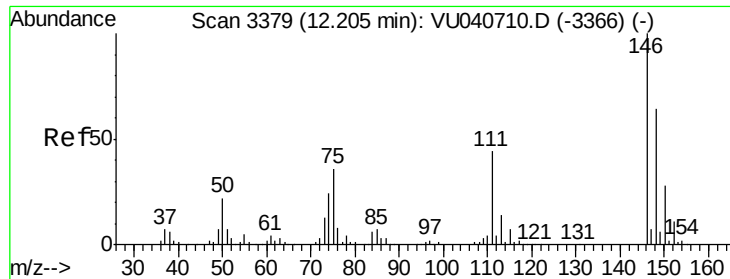
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	28.8	53.6
148	62.9	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.320 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	28.4	52.8
148	61.8	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 5.308 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

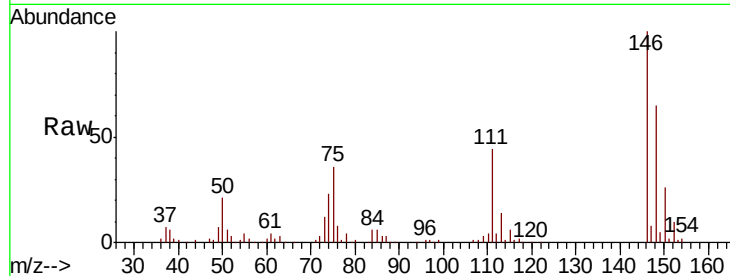
Tot Ion:146 Resp: 105169

Ion Ratio Lower Upper

146 100

111 44.3 34.4 51.6

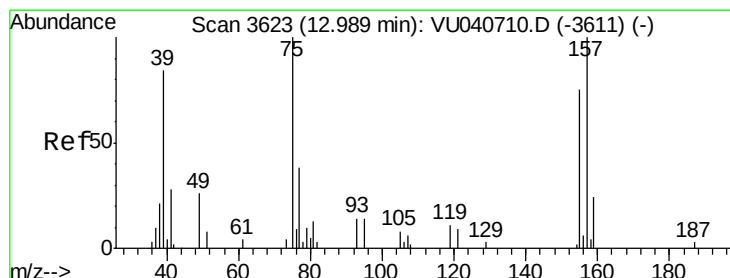
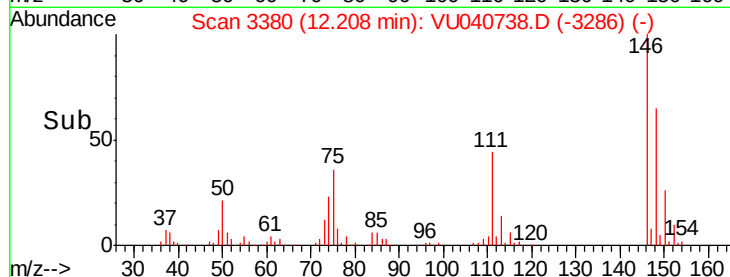
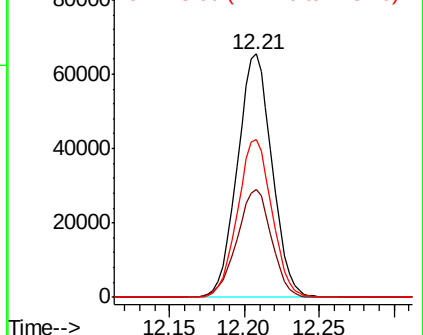
148 65.1 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.352 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

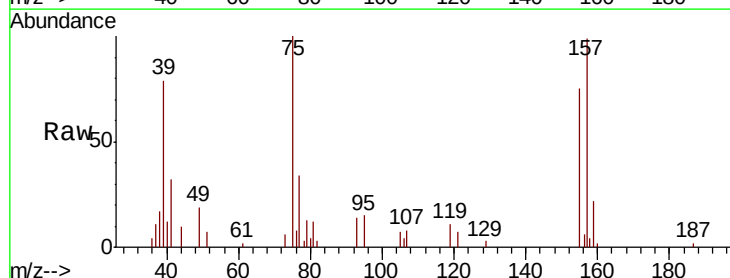
Tgt Ion: 75 Resp: 9285

Ion Ratio Lower Upper

75 100

155 75.2 53.8 80.6

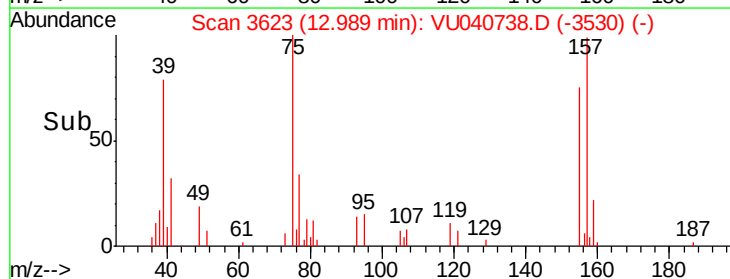
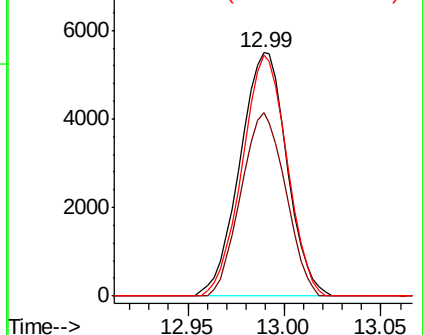
157 98.9 74.6 112.0

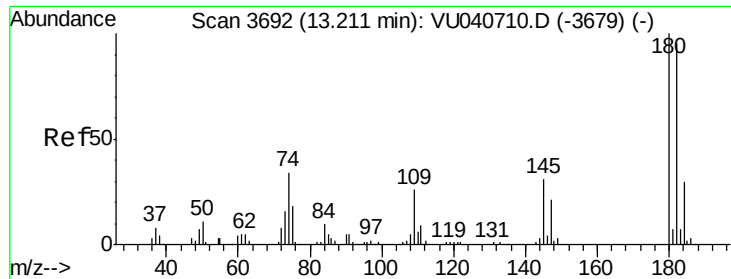


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

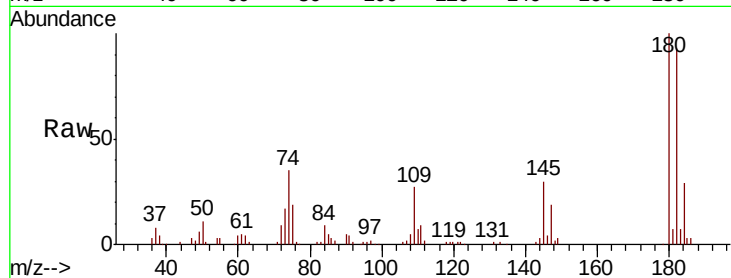




#67
 1,3,5-Trichlorobenzene
 Concen: 5.053 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.0	115.4
184	29.3	24.5	36.7
145	31.6	25.9	38.9



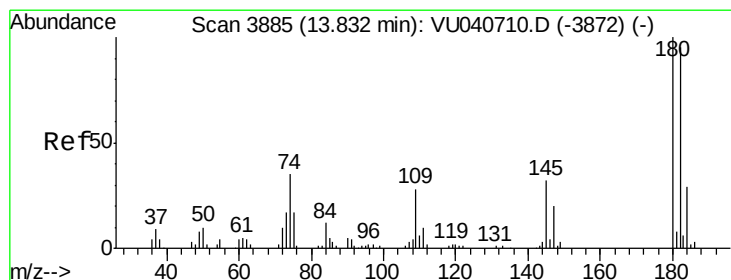
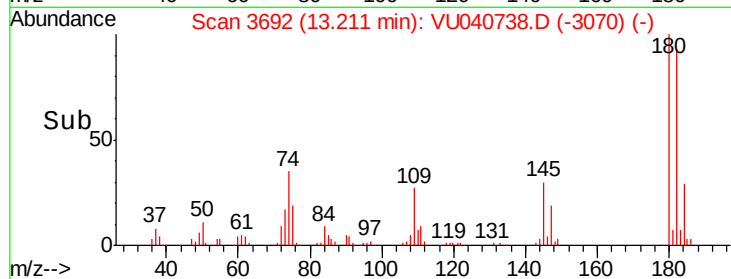
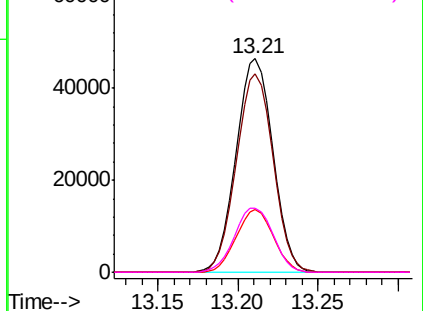
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

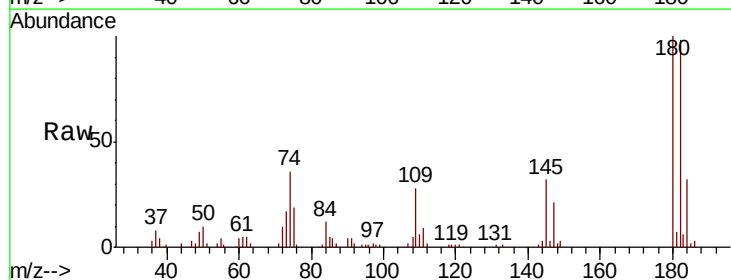
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.071 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040738.D
 Acq: 16 Oct 2020 10:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	78.8	118.2
145	32.5	26.1	39.1

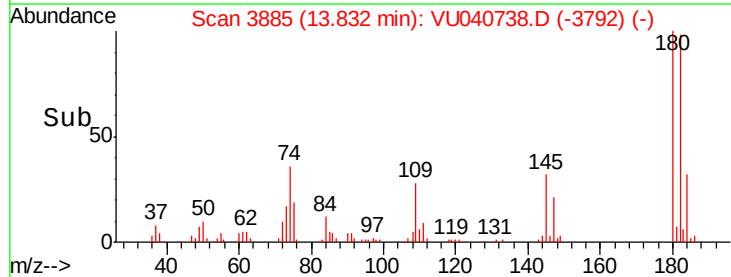
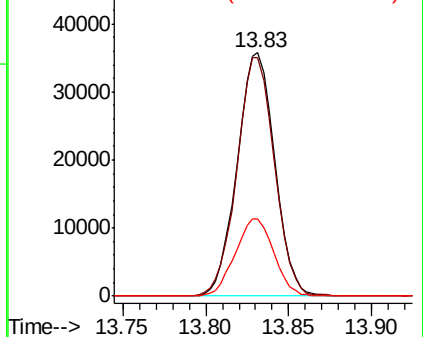


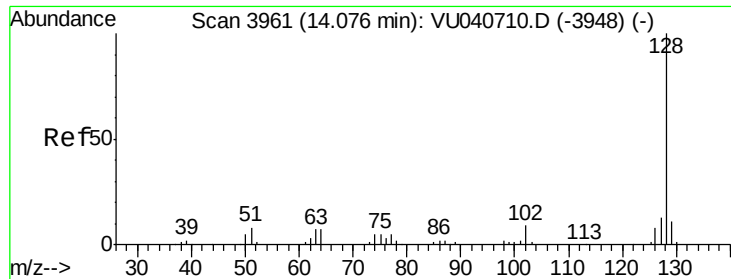
Abundance

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: 4.844 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

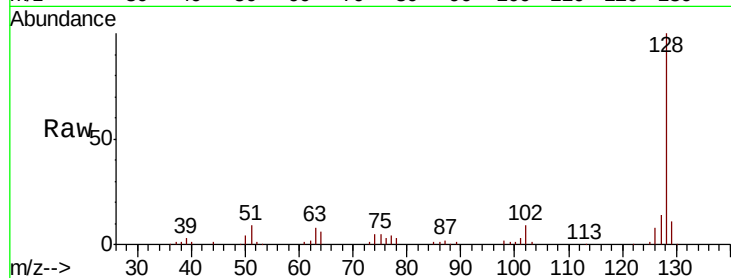
Tot Ion:128 Resp: 88048

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

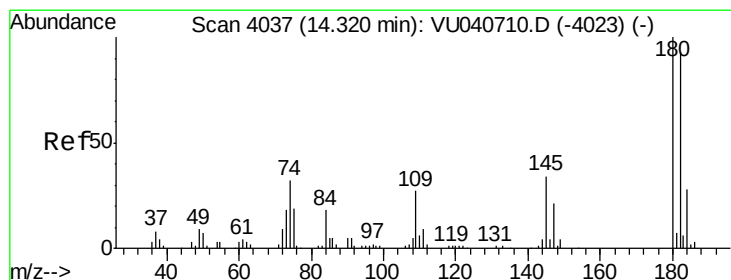
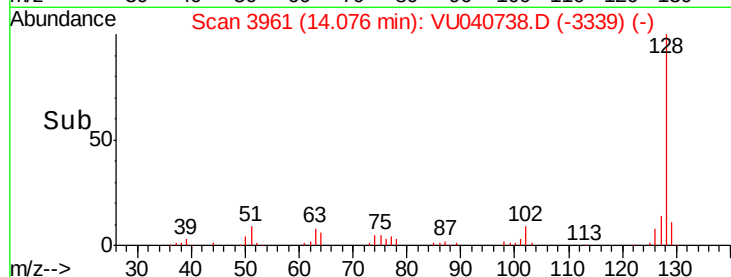
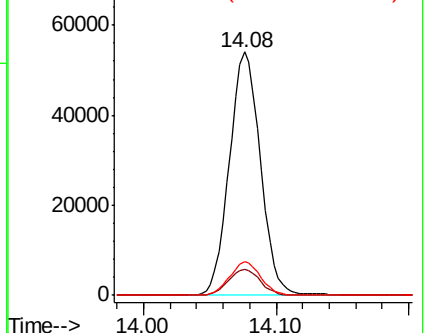
127 13.7 10.2 15.4



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: 5.324 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040738.D

Acq: 16 Oct 2020 10:22

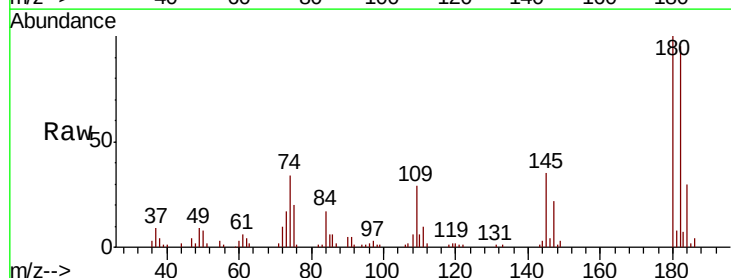
Tgt Ion:180 Resp: 54928

Ion Ratio Lower Upper

180 100

182 91.0 75.8 113.8

145 33.0 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

