

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040578.D
 Acq On : 09 Oct 2020 11:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Oct 10 02:50:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 17:56:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	154757	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	152309	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	80662	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	59783	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.92	69	46333	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.58	63	119632	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.66	46	209569	51.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.14%
24) Chloroform-d	5.08	84	108606	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.71	65	63085	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.74	84	202392	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	65380	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.90	98	182366	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.18	79	29041	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	156583	52.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	58392	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	70914	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	72794	5.191	ug/L 98
3) Chloromethane	1.53	50	66912	5.103	ug/L 97
5) Vinyl chloride	1.61	62	70602	5.113	ug/L 98
6) Bromomethane	1.87	94	37072	4.944	ug/L 95
8) Chloroethane	1.94	64	44248	5.032	ug/L 95
9) Trichlorofluoromethane	2.15	101	100753	5.081	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	65644	5.099	ug/L 98
12) 1,1-Dichloroethene	2.59	96	57911	5.245	ug/L 98
13) Acetone	2.66	43	166142	52.233	ug/L 100
14) Carbon disulfide	2.81	76	154213	4.989	ug/L 97
15) Methyl Acetate	2.97	43	34880	4.802	ug/L 100
16) Methylene chloride	3.06	84	68143	4.806	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	166667	5.338	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	58510	5.062	ug/L 98
19) 1,1-Dichloroethane	3.89	63	123320	5.159	ug/L 99
21) 2-Butanone	4.74	43	266781	53.797	ug/L 98
22) cis-1,2-Dichloroethene	4.68	96	66216	5.312	ug/L 98

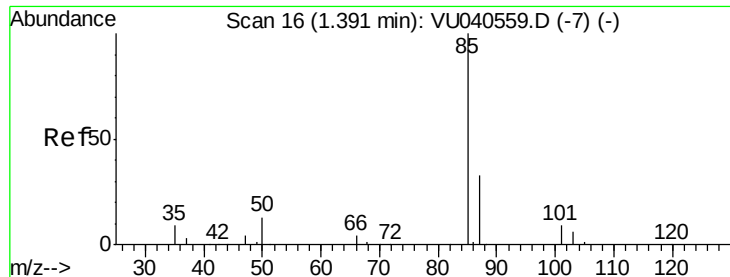
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	30790	4.972	ug/L	92
25) Chloroform	5.10	83	127075	5.207	ug/L	97
27) 1,2-Dichloroethane	5.81	62	91164	5.277	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	107437	5.249	ug/L	100
30) Cyclohexane	5.40	56	104221	5.526	ug/L	99
31) Carbon tetrachloride	5.54	117	93951	5.364	ug/L	100
33) Benzene	5.79	78	260703	5.328	ug/L	100
34) Trichloroethene	6.55	95	67584	5.328	ug/L	97
35) Methylcyclohexane	6.77	83	97467	5.419	ug/L	98
37) 1,2-Dichloropropane	6.80	63	71324	5.231	ug/L	99
38) Bromodichloromethane	7.11	83	92725	5.320	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	100948	5.419	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	591635	54.430	ug/L	100
42) Toluene	7.97	91	269404	5.403	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	92953	5.420	ug/L	92
45) 1,1,2-Trichloroethane	8.40	97	51383	5.032	ug/L	96
47) Tetrachloroethene	8.56	164	50764	5.610	ug/L	96
48) 2-Hexanone	8.69	43	453422	56.029	ug/L	100
49) Dibromochloromethane	8.81	129	64361	5.478	ug/L	94
50) 1,2-Dibromoethane	8.93	107	49172	5.077	ug/L	97
51) Chlorobenzene	9.45	112	168353	5.126	ug/L	99
52) Ethylbenzene	9.57	91	296870	5.501	ug/L	99
53) m,p-Xylene	9.69	106	113489	5.770	ug/L	97
54) o-Xylene	10.10	106	106985	5.656	ug/L	97
55) Styrene	10.11	104	190096	5.787	ug/L	98
56) Isopropylbenzene	10.48	105	290993	5.715	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	69454	5.181	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	53350	5.327	ug/L	97
61) Bromoform	10.29	173	36361	5.259	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	144498	5.473	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	147400	5.415	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	139823	5.417	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	11654	5.157	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	100429	5.361	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	84463	5.836	ug/L	96
69) Naphthalene	14.08	128	144850	6.118	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	78284	5.825	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.191 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

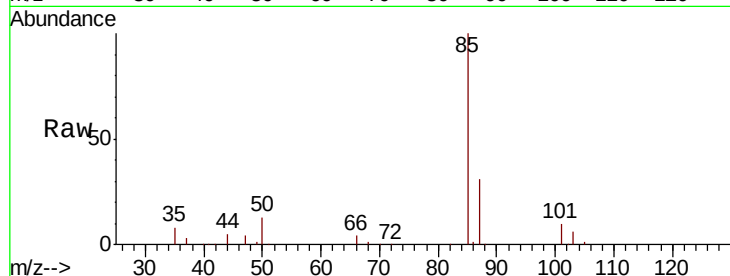
VSTD00523

Tot Ion: 85 Resp: 72794

Ion Ratio Lower Upper

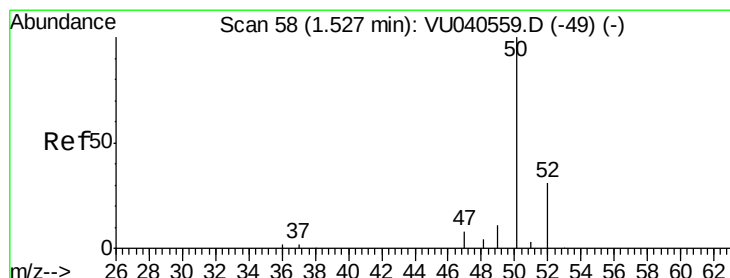
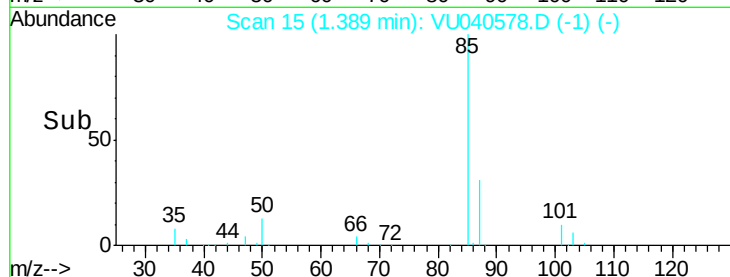
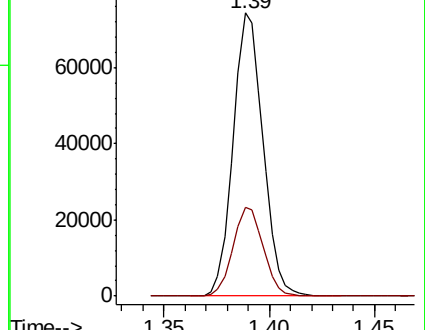
85 100

87 31.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040559.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040559.D (-7) (-)



#3

Chloromethane

Concen: 5.103 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040578.D

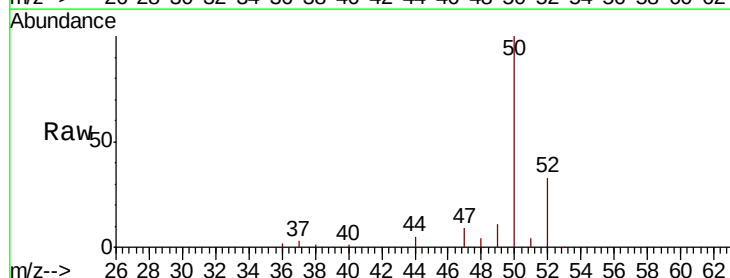
Acq: 09 Oct 2020 11:55

Tgt Ion: 50 Resp: 66912

Ion Ratio Lower Upper

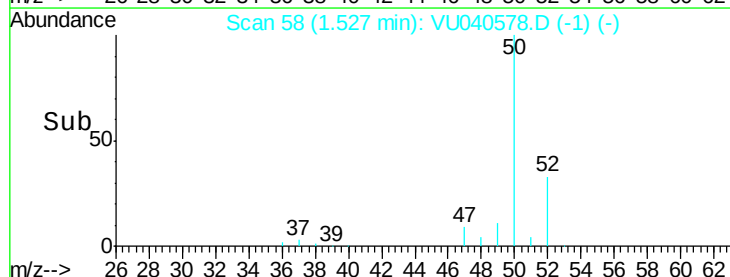
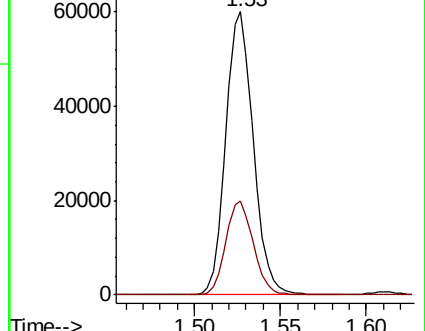
50 100

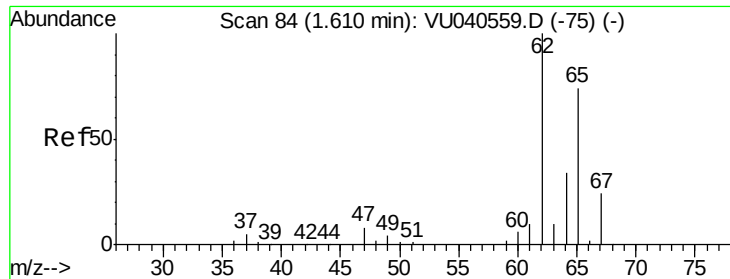
52 33.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040559.D (-49) (-)





#5

Vinyl chloride

Concen: 5.113 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

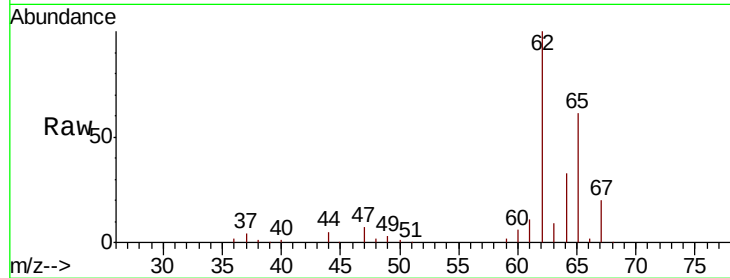
VSTD00523

Tot Ion: 62 Resp: 70602

Ion Ratio Lower Upper

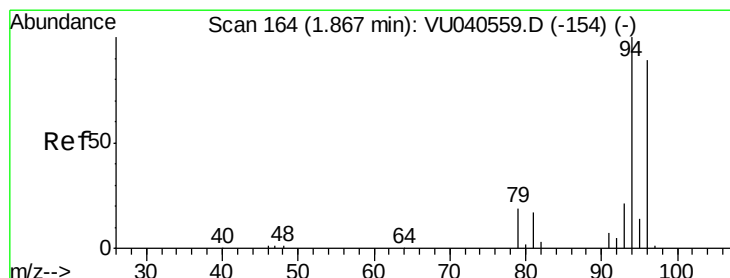
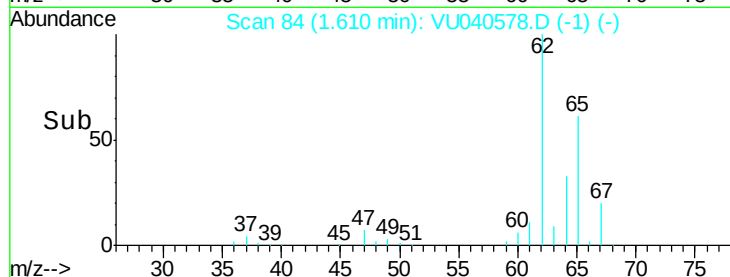
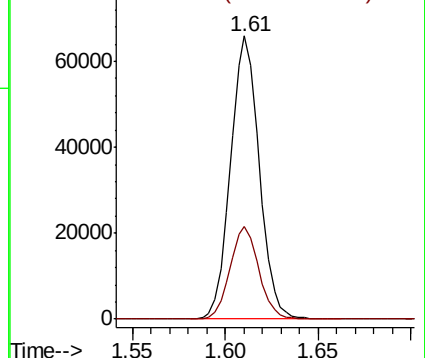
62 100

64 32.6 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: 4.944 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040578.D

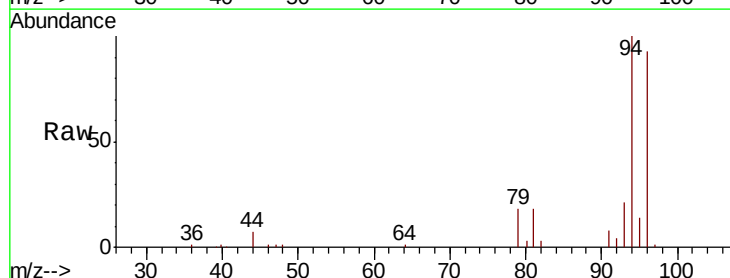
Acq: 09 Oct 2020 11:55

Tgt Ion: 94 Resp: 37072

Ion Ratio Lower Upper

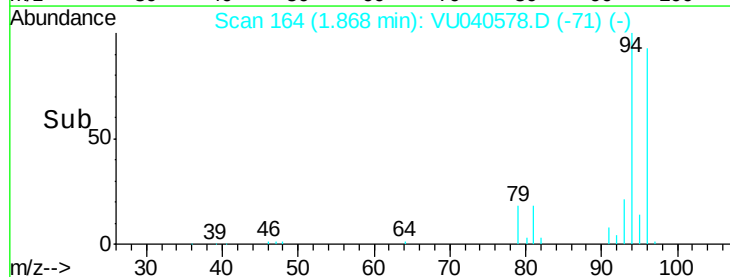
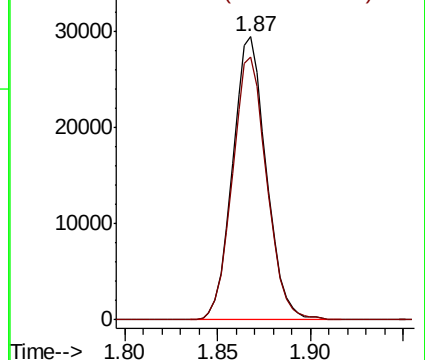
94 100

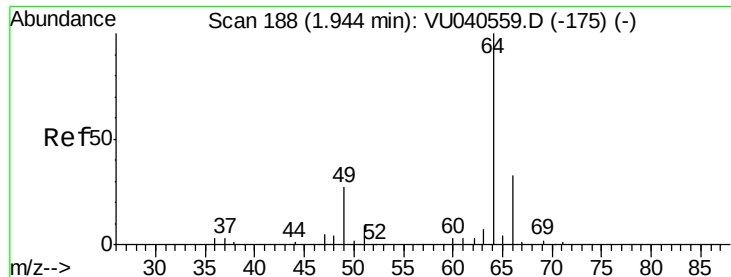
96 93.1 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.032 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

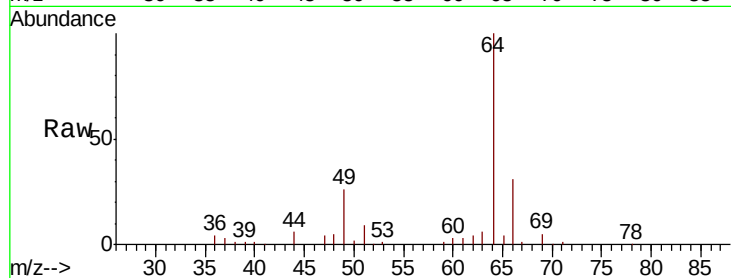
VSTD00523

Tot Ion: 64 Resp: 44248

Ion Ratio Lower Upper

64 100

66 30.6 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040559.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU040559.D (-175) (-)

1.94

30000

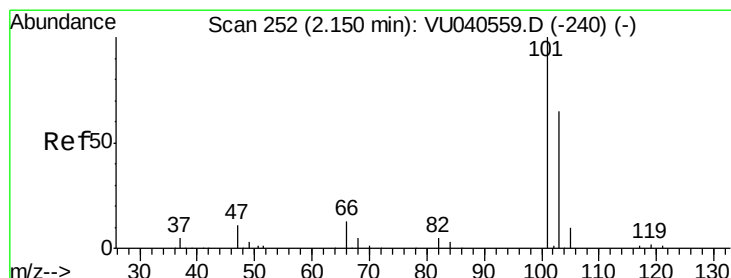
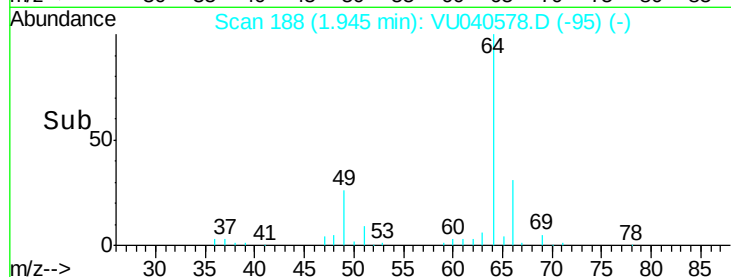
20000

10000

0

1.85 1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.081 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040578.D

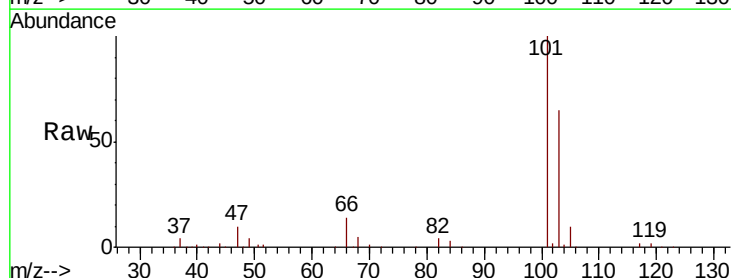
Acq: 09 Oct 2020 11:55

Tgt Ion: 101 Resp: 100753

Ion Ratio Lower Upper

101 100

103 65.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040559.D (-240) (-)

2.15

80000

60000

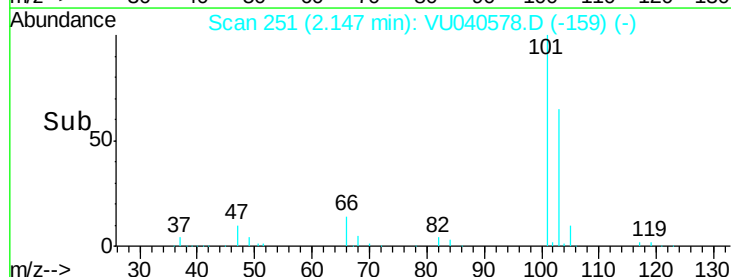
40000

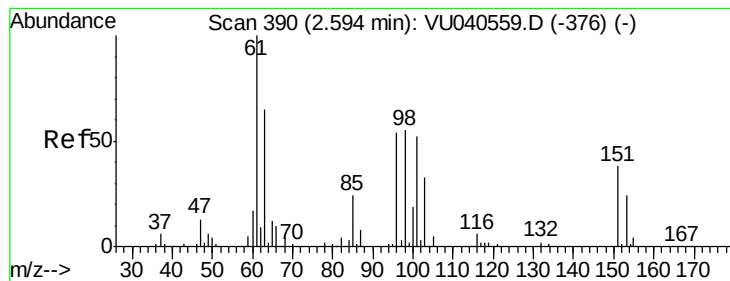
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.099 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

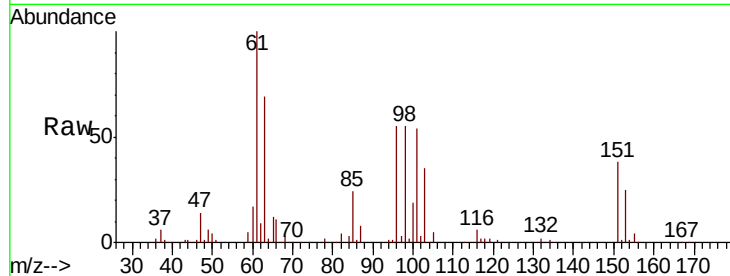
Tot Ion:101 Resp: 65644

Ion Ratio Lower Upper

101 100

85 44.9 36.7 55.1

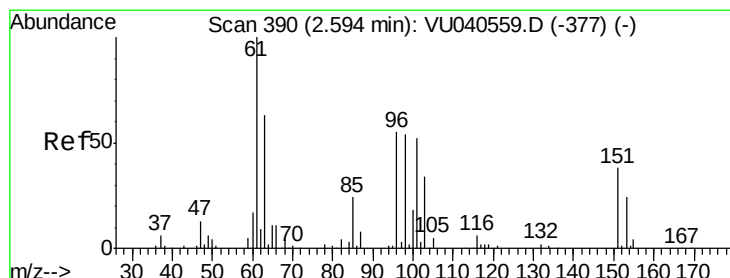
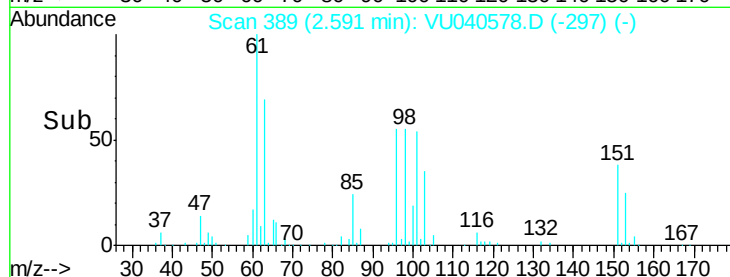
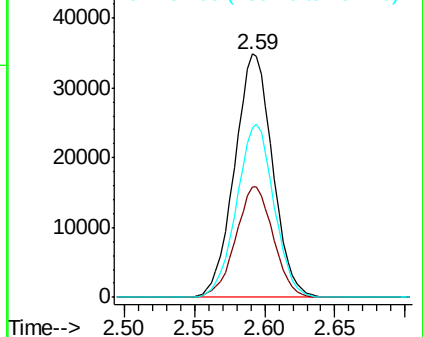
151 70.2 58.0 87.0



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: 5.245 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

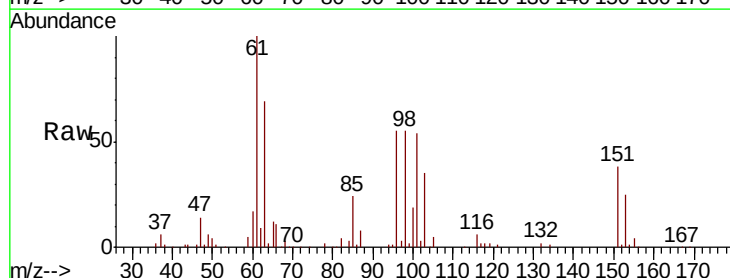
Tgt Ion: 96 Resp: 57911

Ion Ratio Lower Upper

96 100

61 181.8 128.8 239.2

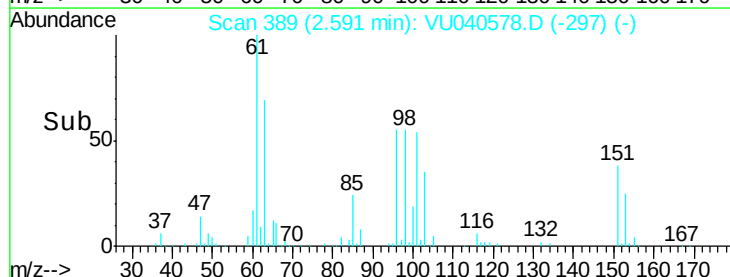
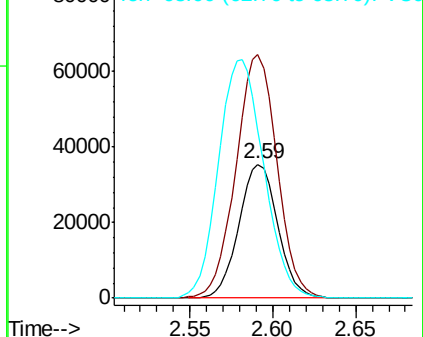
63 125.3 84.6 157.2

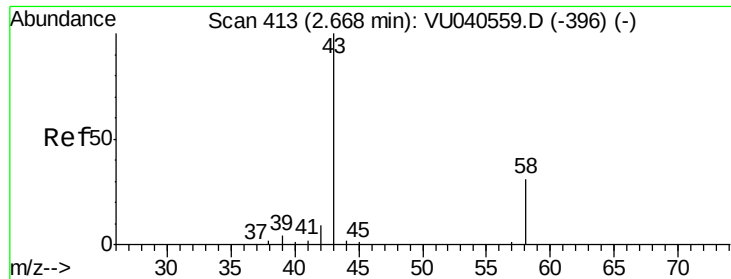


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.233 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

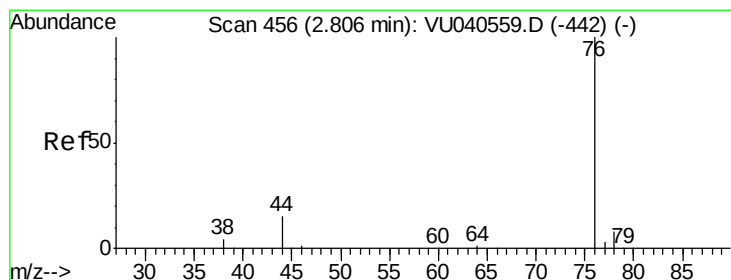
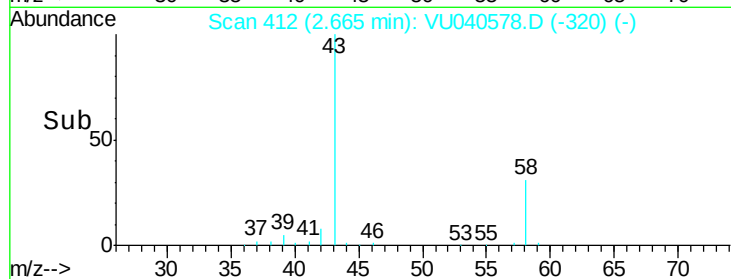
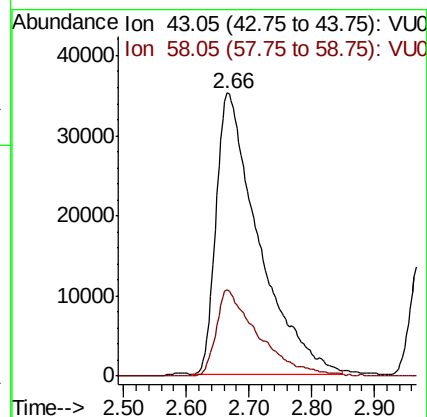
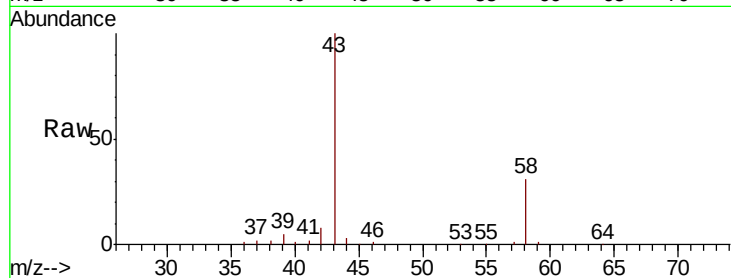
VSTD00523

Tot Ion: 43 Resp: 166142

Ion Ratio Lower Upper

43 100

58 30.1 0.0 60.6



#14

Carbon disulfide

Concen: 4.989 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040578.D

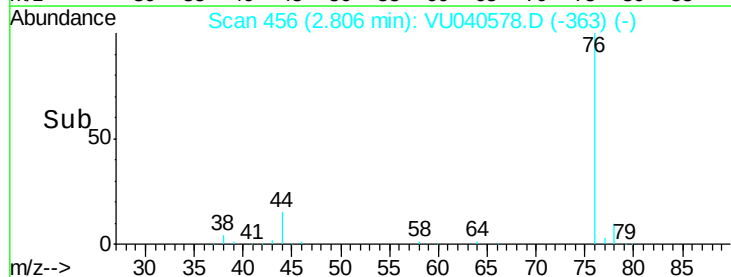
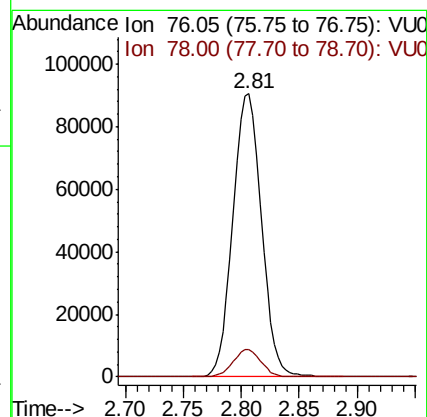
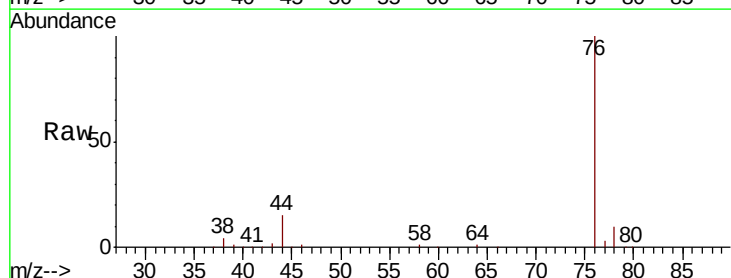
Acq: 09 Oct 2020 11:55

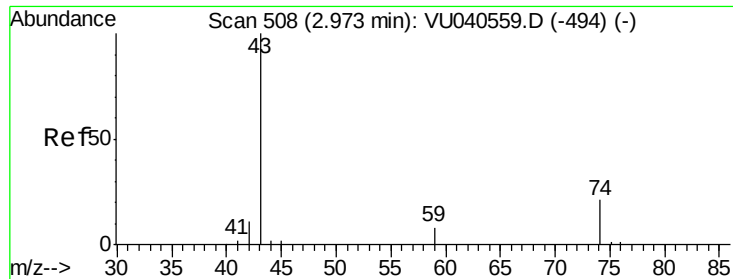
Tgt Ion: 76 Resp: 154213

Ion Ratio Lower Upper

76 100

78 9.7 6.8 10.2

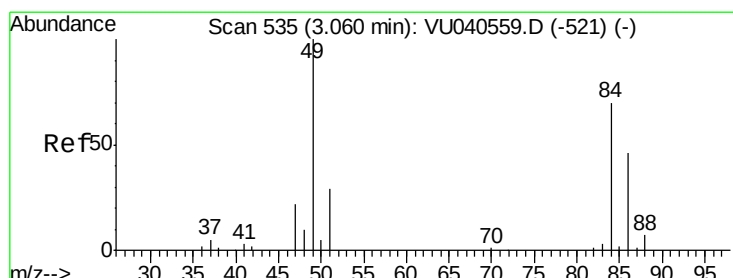
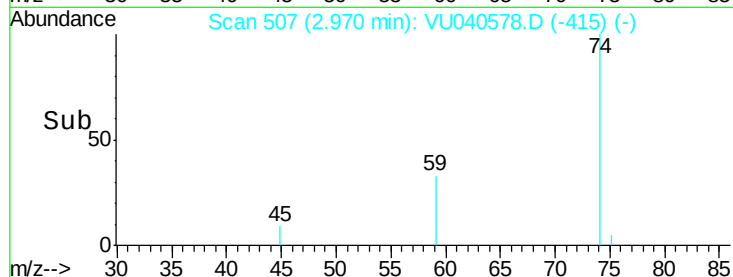
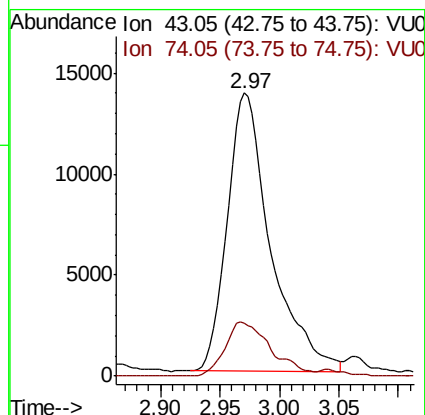
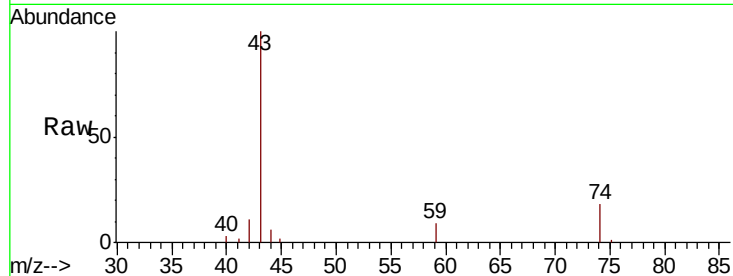




#15
Methvl Acetate
Concen: 4.802 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

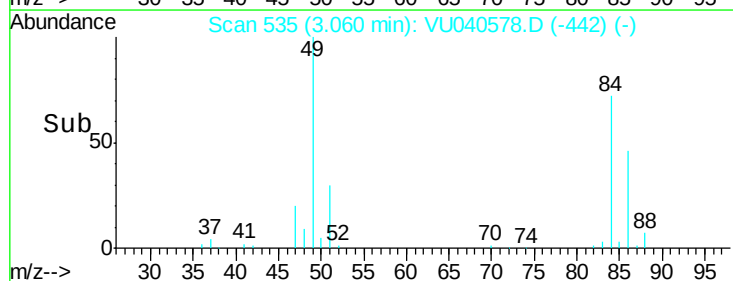
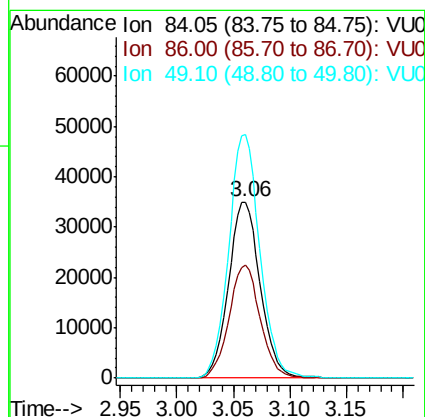
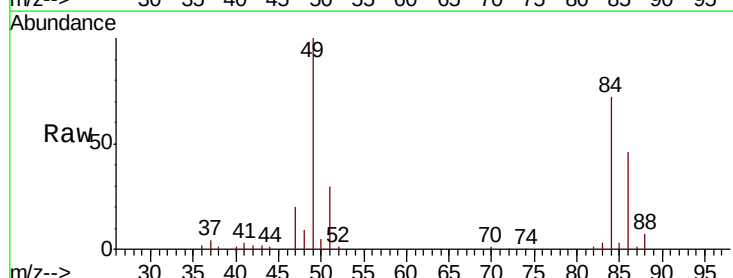
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

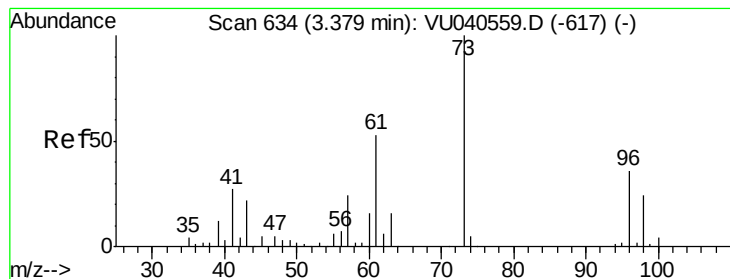
Tot Ion: 43 Resp: 34880
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7



#16
Methylene chloride
Concen: 4.806 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion: 84 Resp: 68143
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.4
49 138.4 99.8 185.3



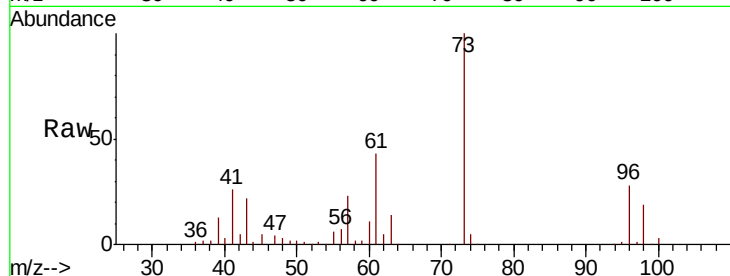


#17

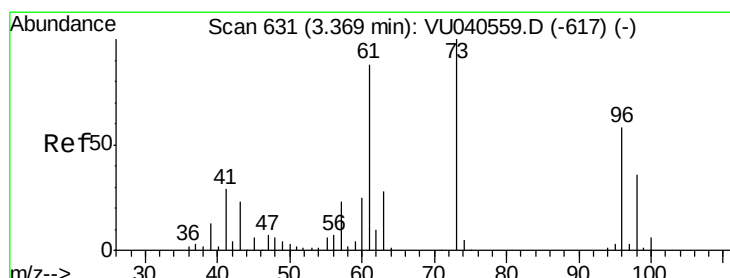
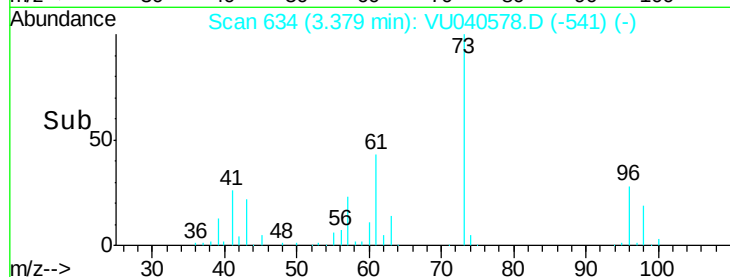
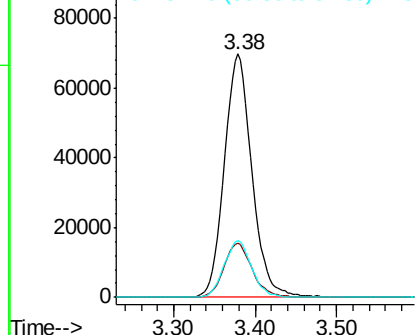
Methyl tert-butyl Ether
 Concen: 5.338 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.2	27.4
57	23.1	18.6	28.0



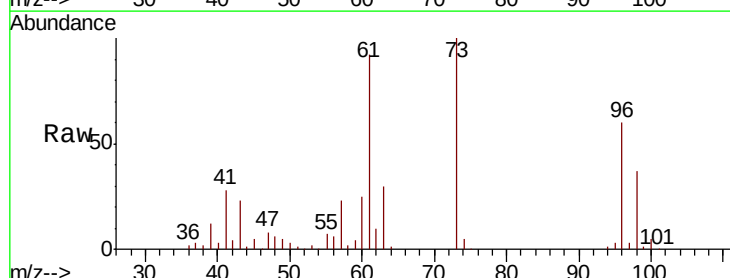
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



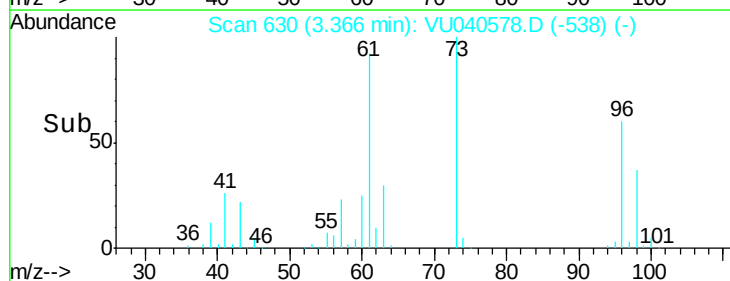
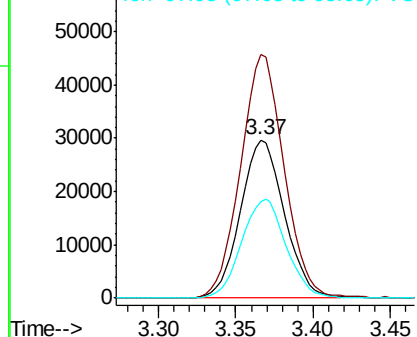
#18

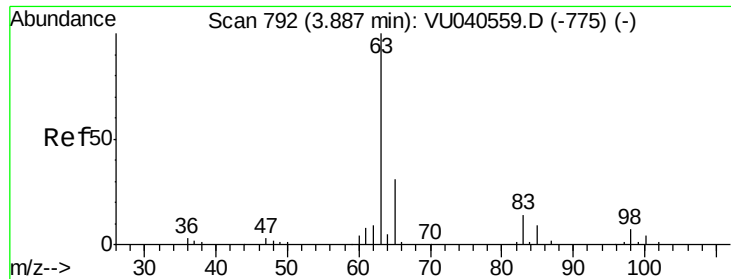
trans-1,2-Dichloroethene
 Concen: 5.062 ug/L
 RT: 3.37 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	105.9	196.7
98	61.0	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

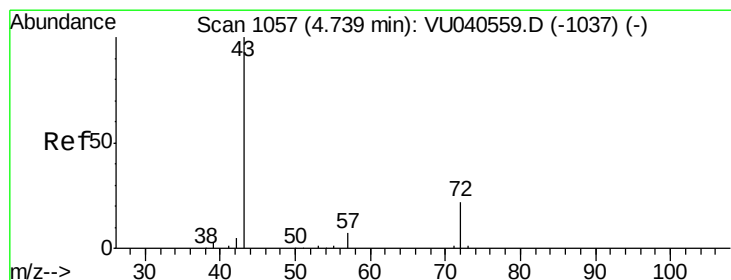
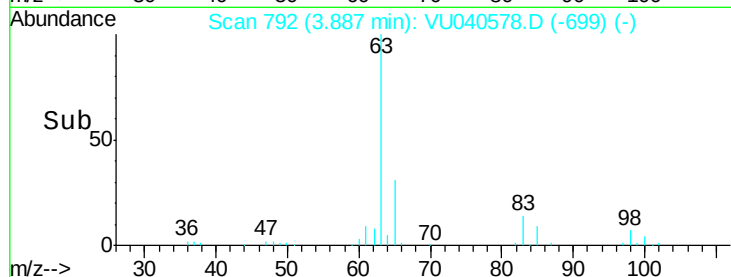
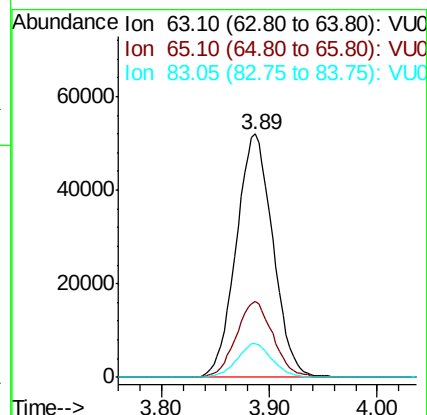
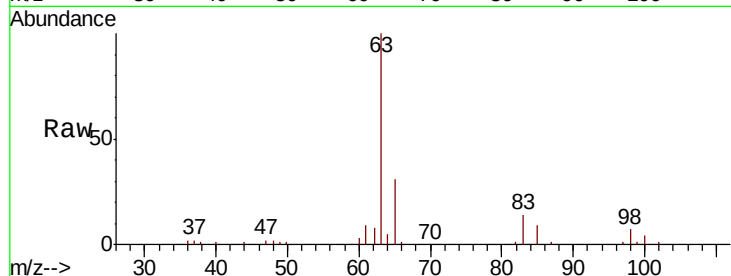




#19
 1,1-Dichloroethane
 Concen: 5.159 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

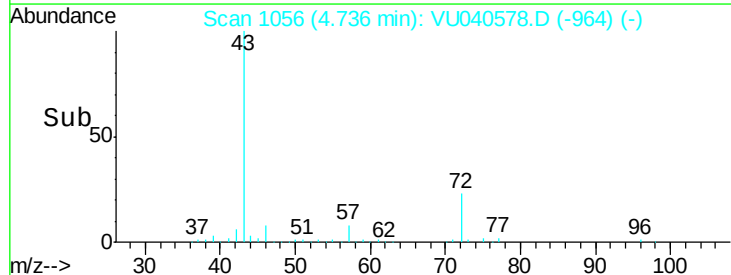
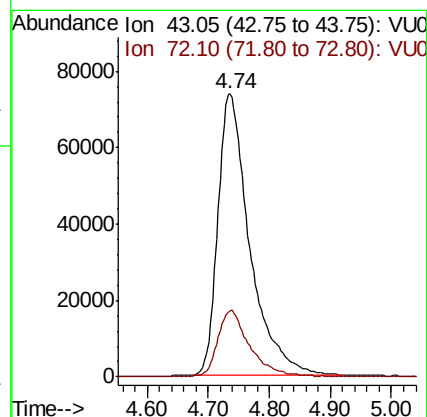
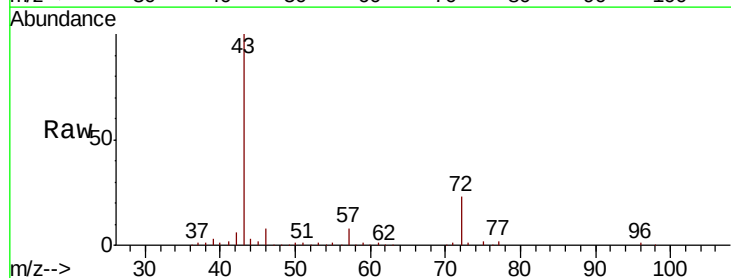
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

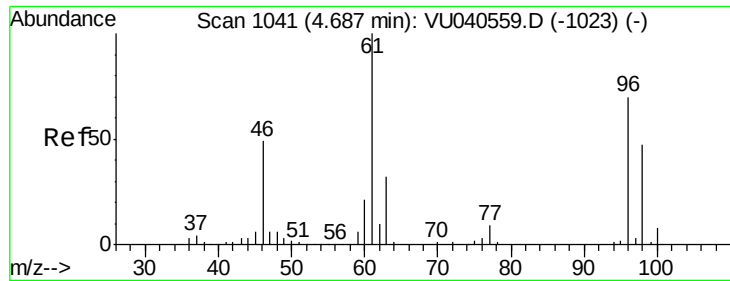
Tot Ion: 63 Resp: 123320
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.9 40.7
 83 13.9 9.6 17.8



#21
 2-Butanone
 Concen: 53.797 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 43 Resp: 266781
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.4 34.2

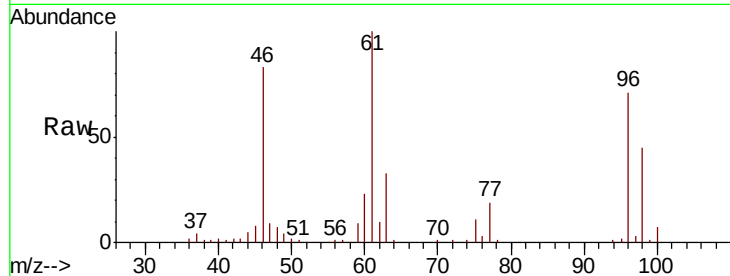




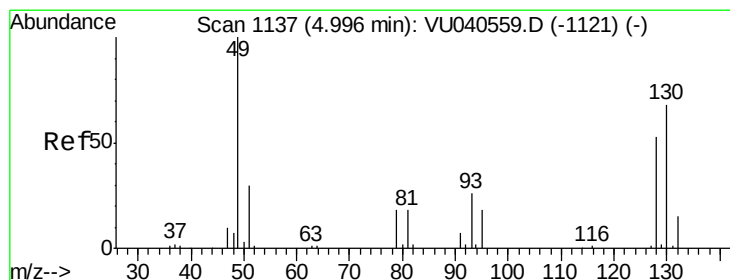
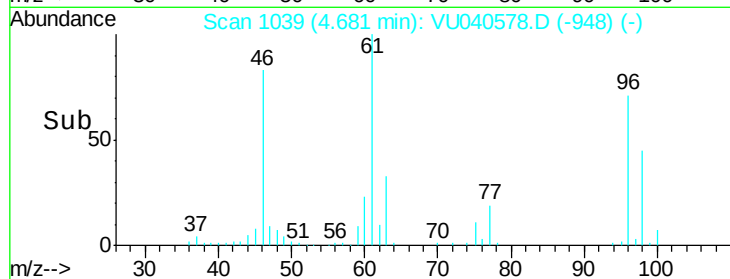
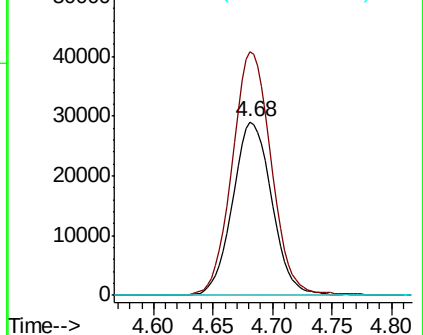
#22
 cis-1,2-Dichloroethene
 Concen: 5.312 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion: 96 Resp: 66216
 Ion Ratio Lower Upper
 96 100
 61 140.2 99.8 185.4
 68 0.0 0.0 0.0

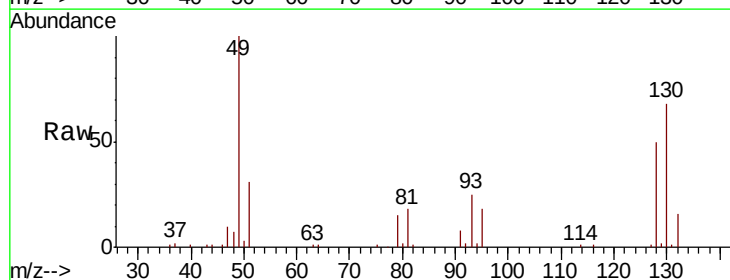


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

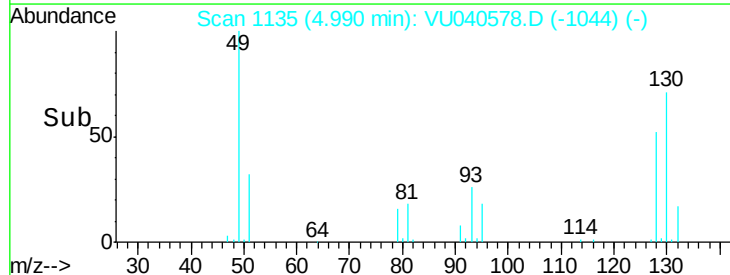
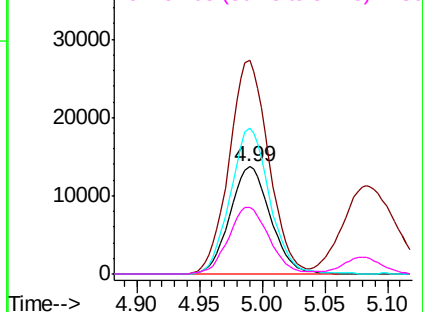


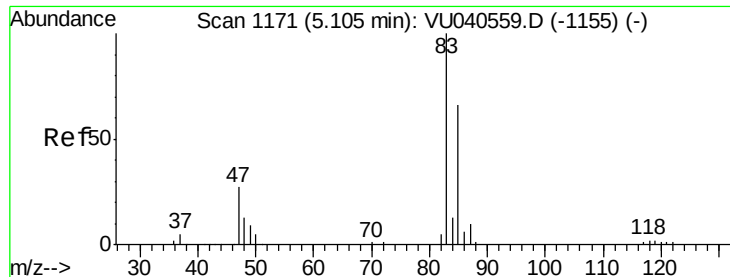
#23
 Bromochloromethane
 Concen: 4.972 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 128 Resp: 30790
 Ion Ratio Lower Upper
 128 100
 49 199.5 132.2 245.4
 130 136.5 89.2 165.8
 51 62.6 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

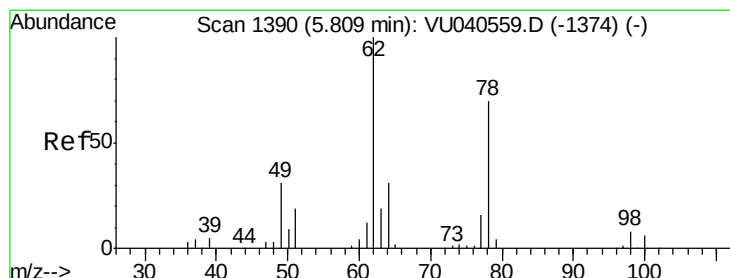
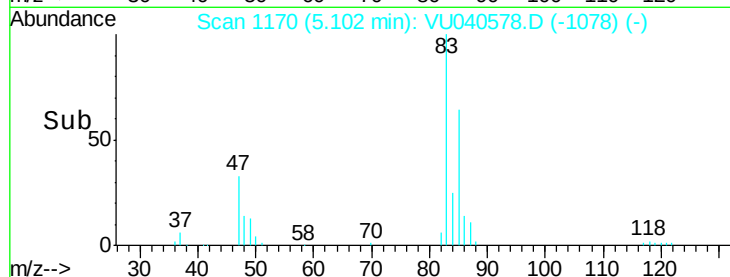
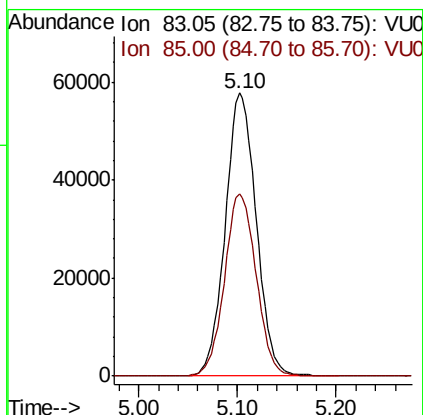
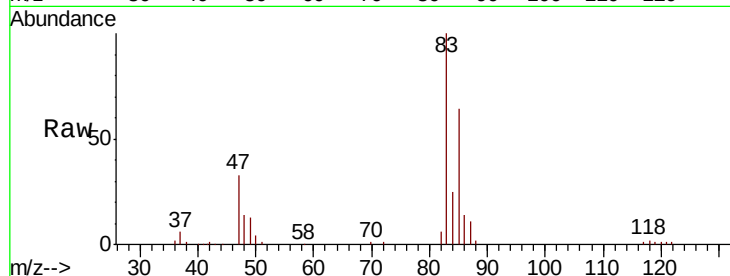




#25
Chloroform
Concen: 5.207 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

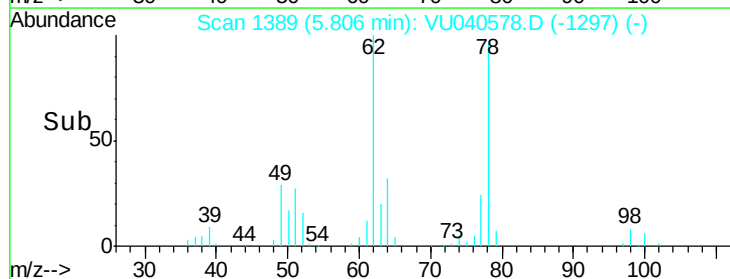
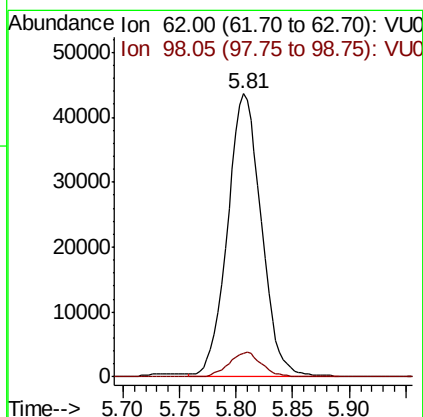
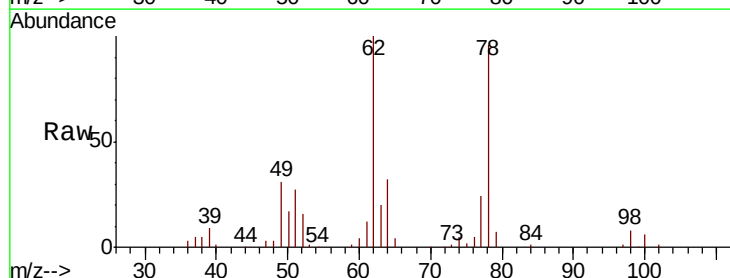
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

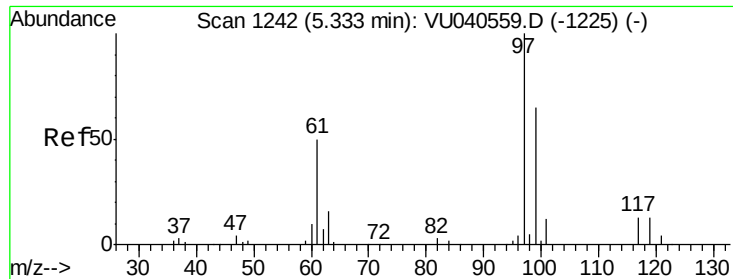
Tot Ion: 83 Resp: 127075
Ion Ratio Lower Upper
83 100
85 64.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.277 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion: 62 Resp: 91164
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

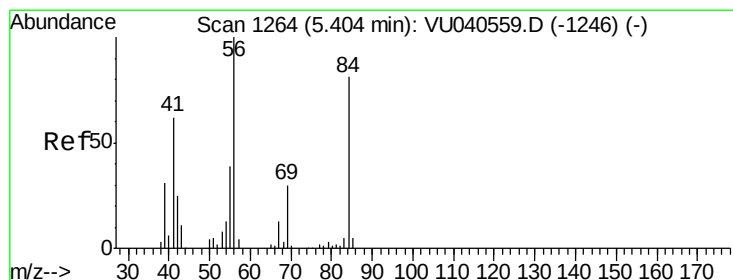
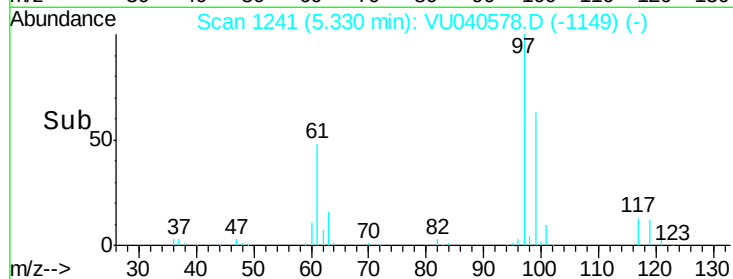
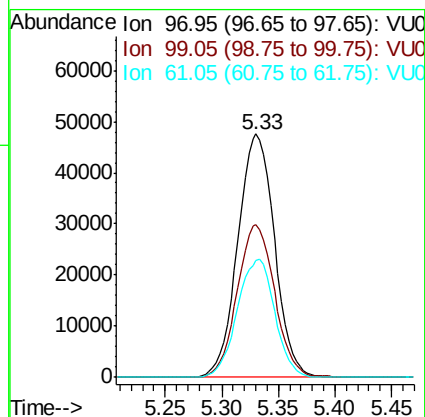
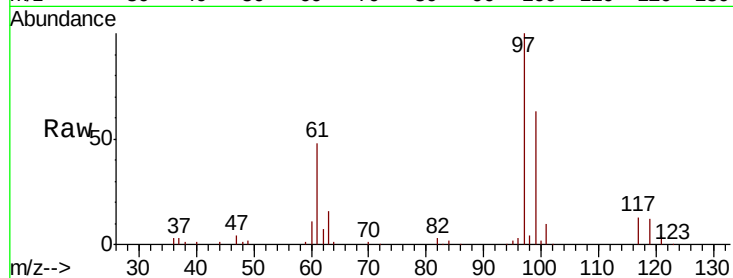




#29
 1,1,1-Trichloroethane
 Concen: 5.249 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

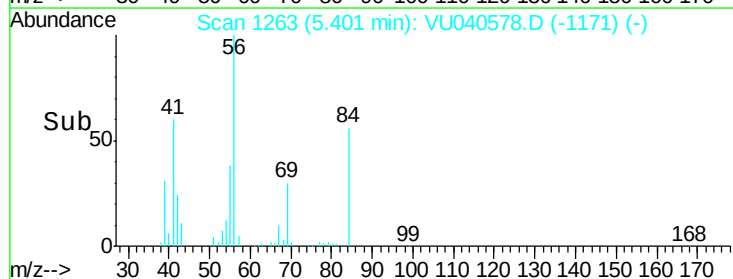
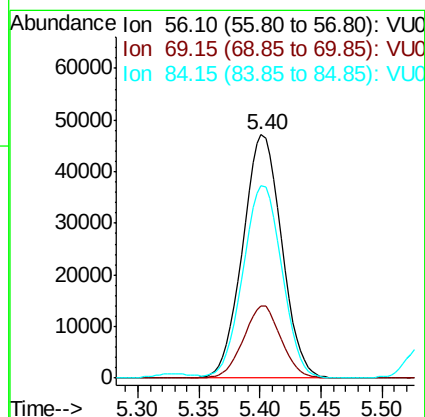
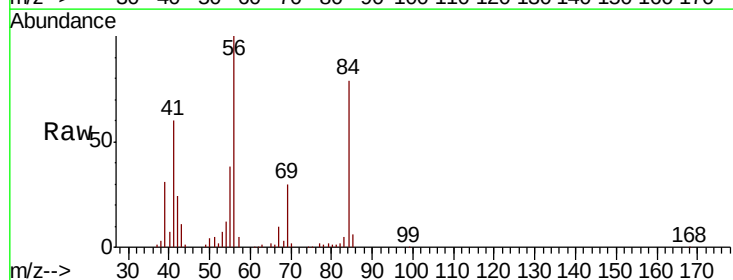
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

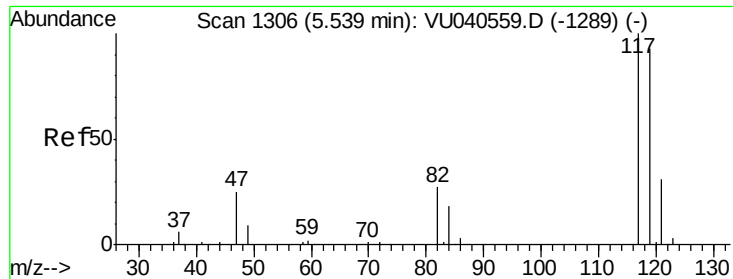
Tot Ion: 97 Resp: 107437
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.3 76.9
 61 49.6 39.4 59.2



#30
 Cyclohexane
 Concen: 5.526 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 56 Resp: 104221
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.8 35.8
 84 79.2 64.0 96.0





#31

Carbon tetrachloride

Concen: 5.364 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

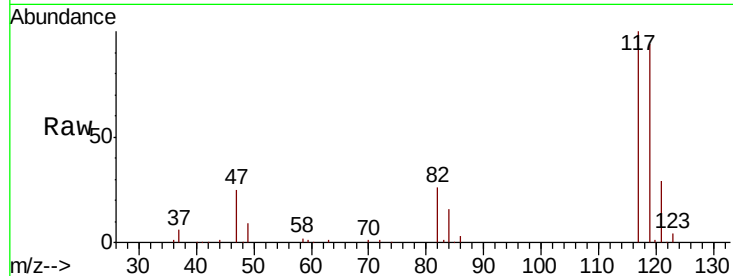
VSTD00523

Tot Ion:117 Resp: 93951

Ion Ratio Lower Upper

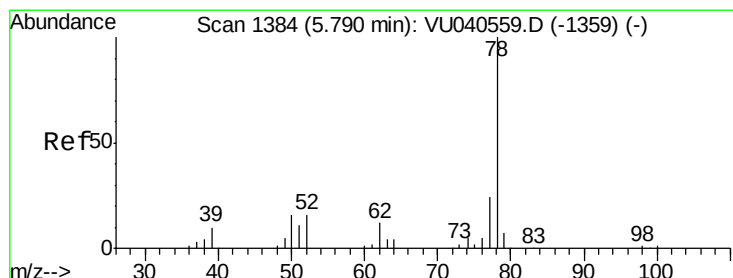
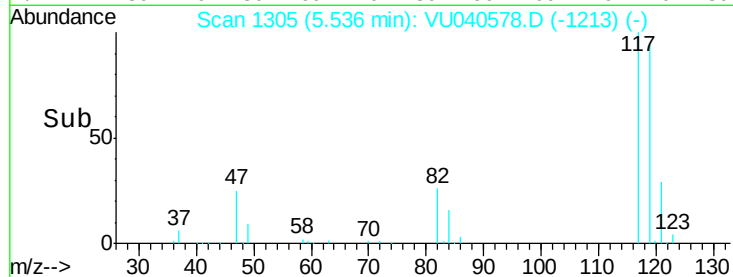
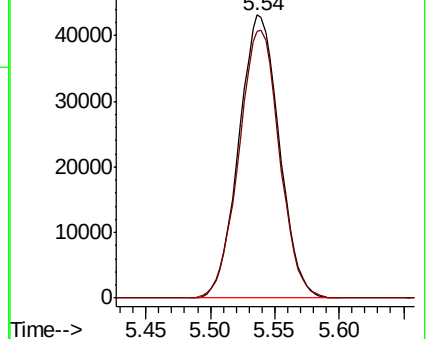
117 100

119 95.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.328 ug/L

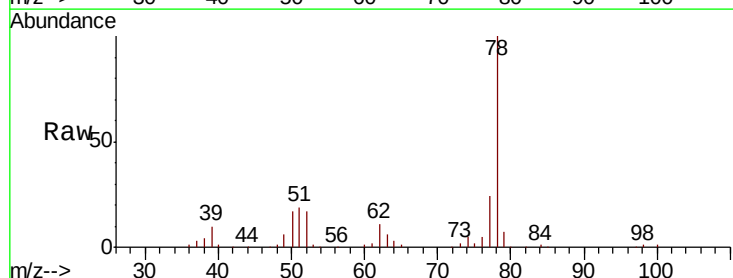
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

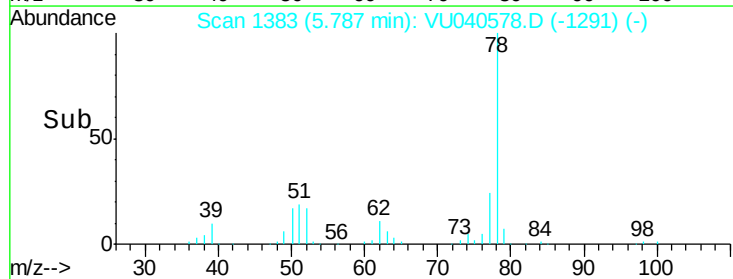
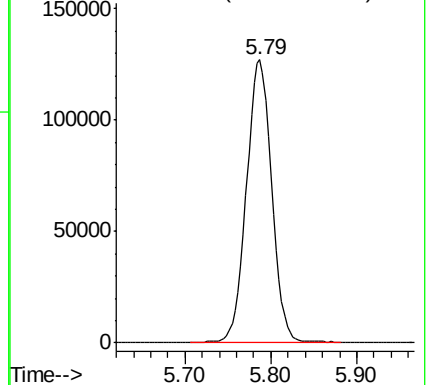
Lab File: VU040578.D

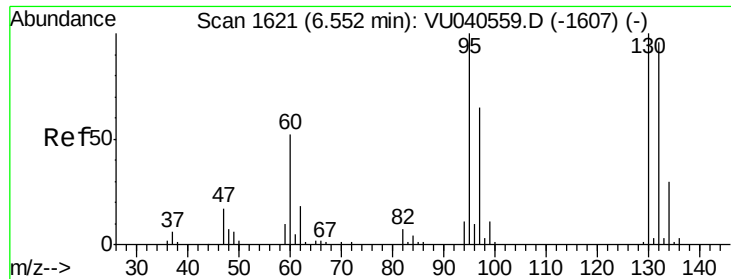
Acq: 09 Oct 2020 11:55

Tgt Ion: 78 Resp: 260703



Abundance Ion 78.10 (77.80 to 78.80): VU0

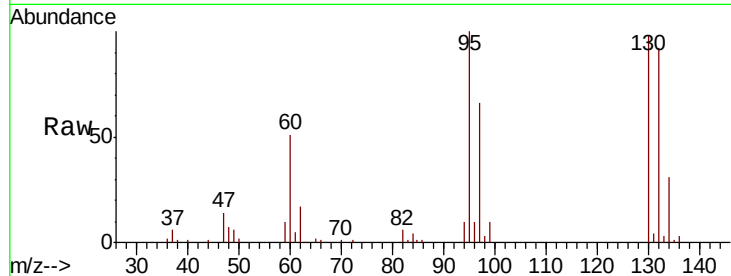




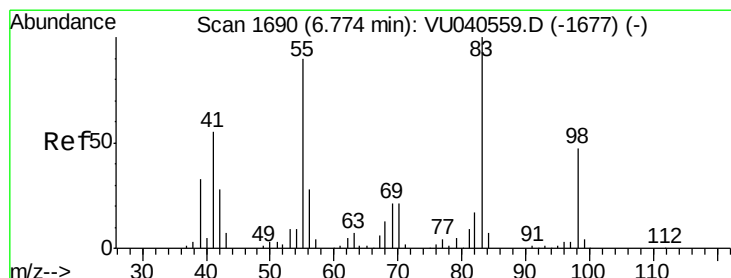
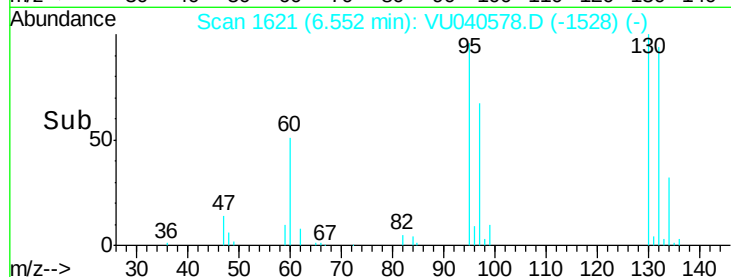
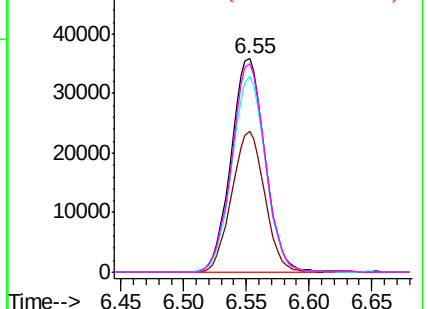
#34
 Trichloroethene
 Concen: 5.328 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion: 95 Resp: 67584
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.5 84.5
 132 91.7 67.5 125.4
 130 97.6 69.9 129.9

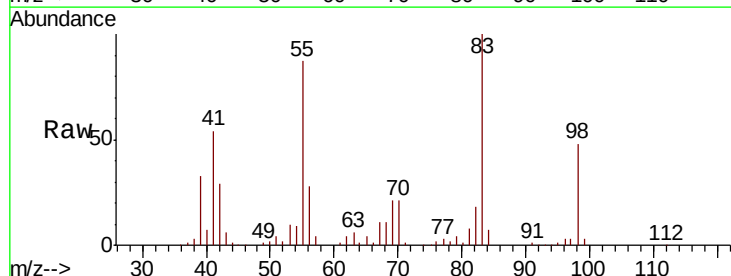


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

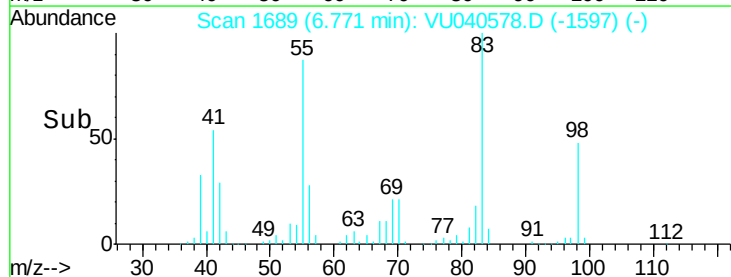
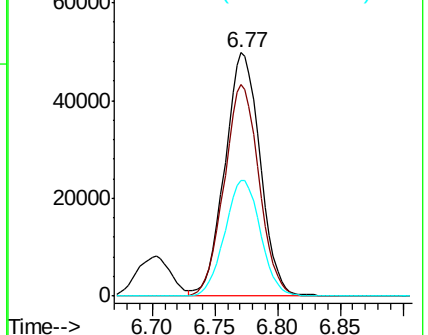


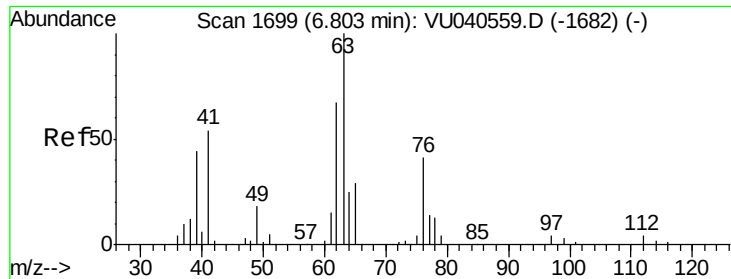
#35
 Methylcyclohexane
 Concen: 5.419 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 83 Resp: 97467
 Ion Ratio Lower Upper
 83 100
 55 85.8 70.7 106.1
 98 48.0 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

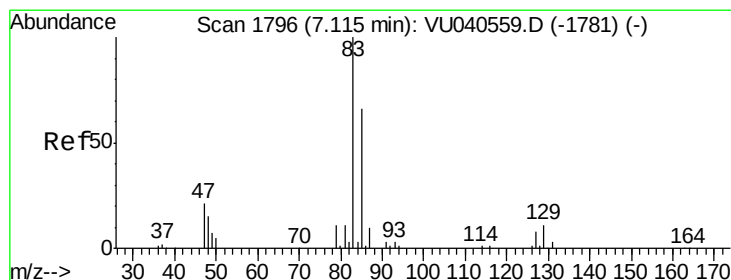
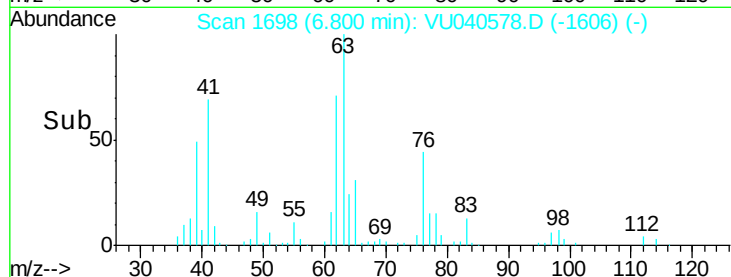
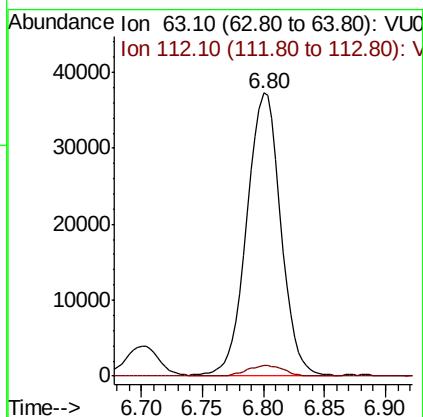
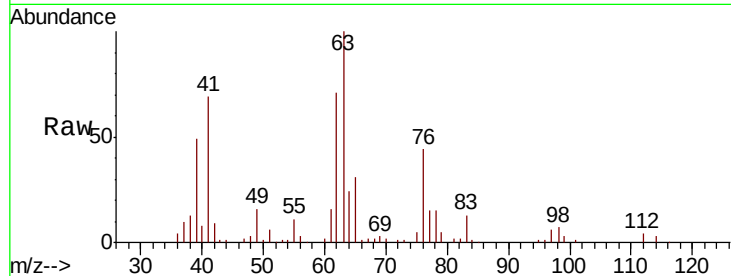




#37
 1,2-Dichloropropane
 Concen: 5.231 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

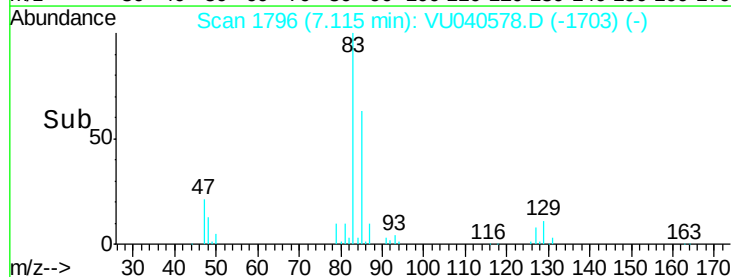
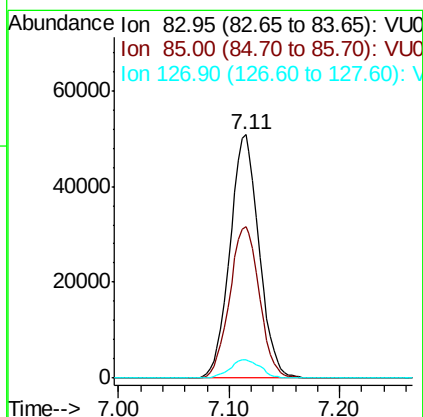
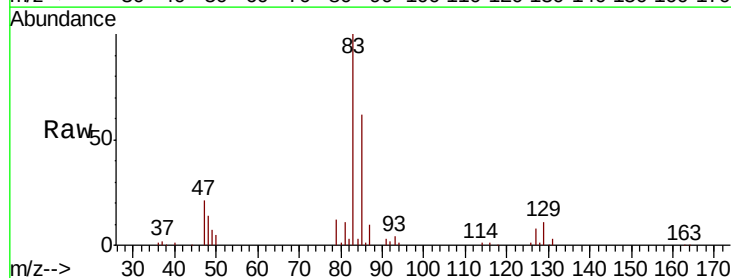
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

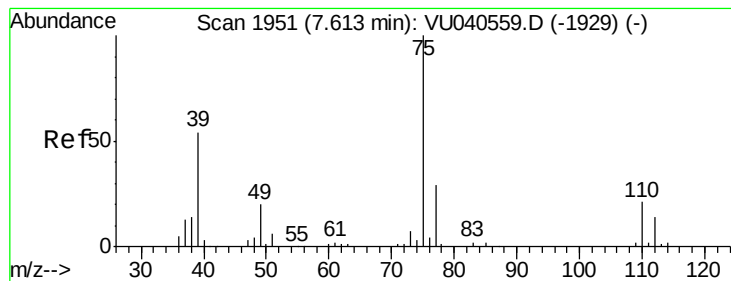
Tot Ion: 63 Resp: 71324
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.320 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 83 Resp: 92725
 Ion Ratio Lower Upper
 83 100
 85 62.2 46.0 85.4
 127 7.7 6.7 10.1



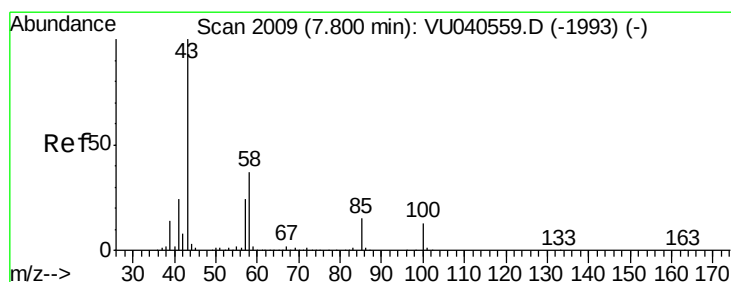
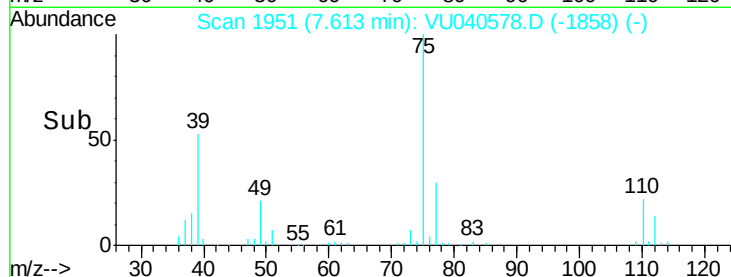
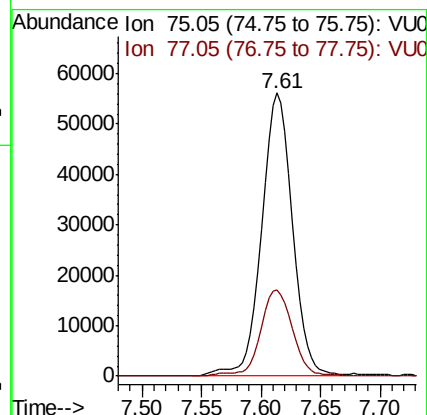
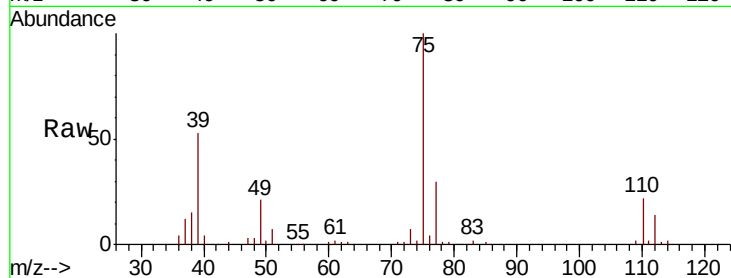


#39

cis-1,3-Dichloropropene
Concen: 5.419 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

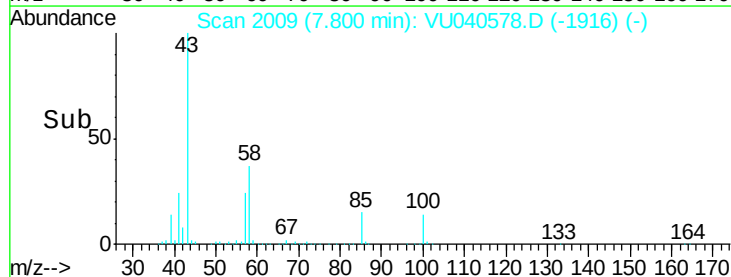
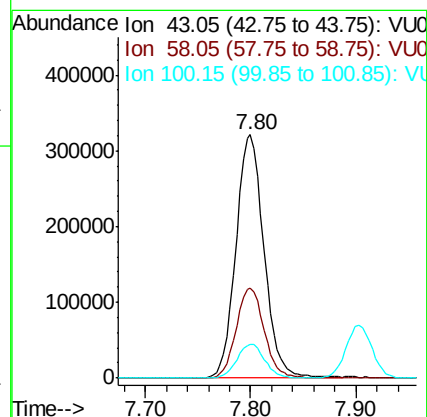
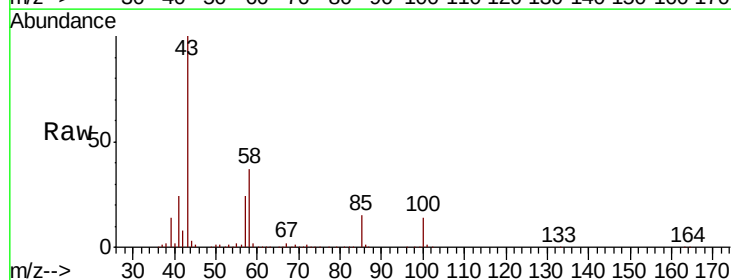
Tot Ion: 75 Resp: 100948
Ion Ratio Lower Upper
75 100
77 30.5 20.5 38.1

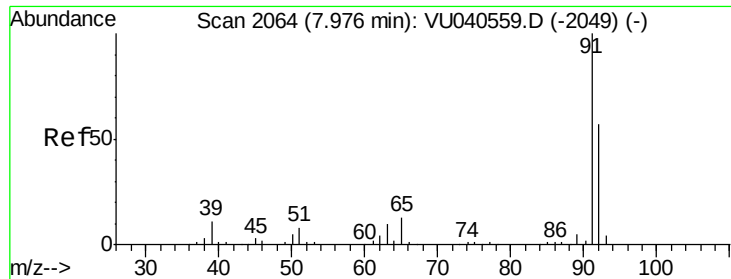


#40

4-Methyl-2-pentanone
Concen: 54.430 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion: 43 Resp: 591635
Ion Ratio Lower Upper
43 100
58 37.0 29.7 44.5
100 13.9 10.7 16.1





#42

Toluene

Concen: 5.403 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

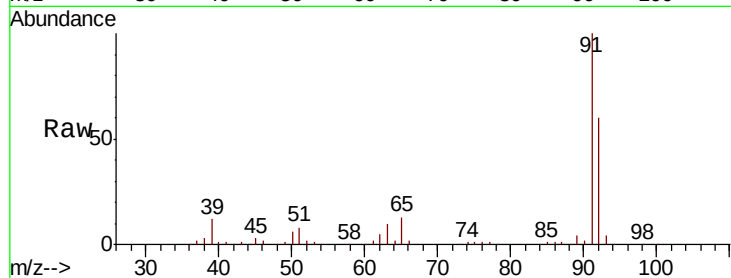
VSTD00523

Tot Ion: 91 Resp: 269404

Ion Ratio Lower Upper

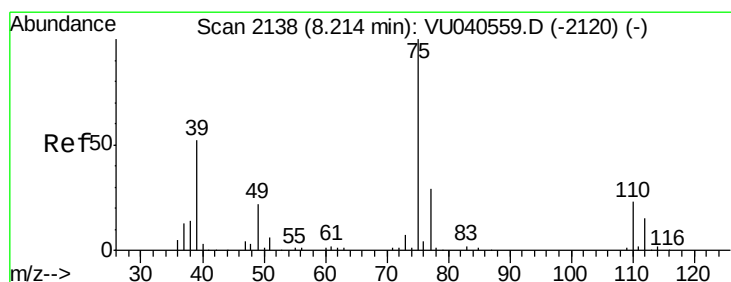
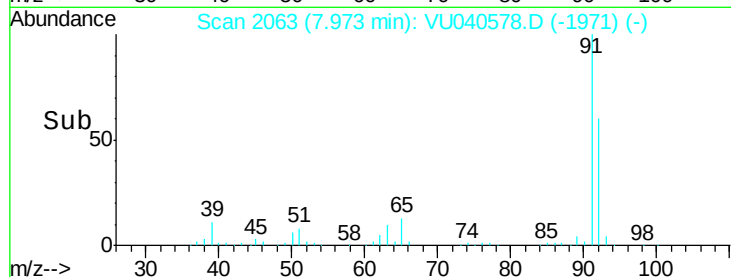
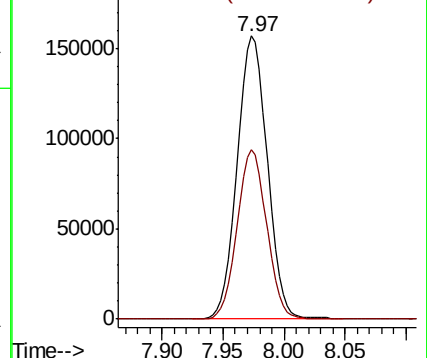
91 100

92 60.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.420 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040578.D

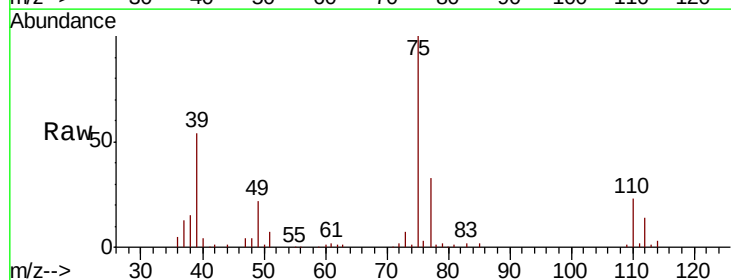
Acq: 09 Oct 2020 11:55

Tgt Ion: 75 Resp: 92953

Ion Ratio Lower Upper

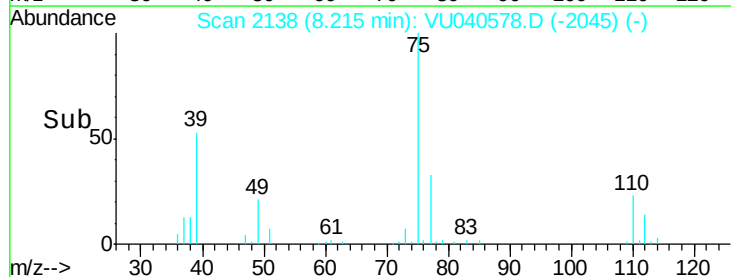
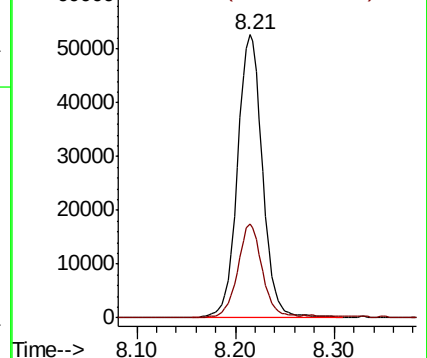
75 100

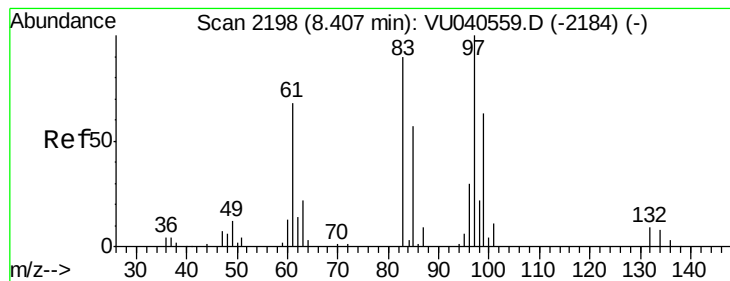
77 33.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.032 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 97 Resp: 51383

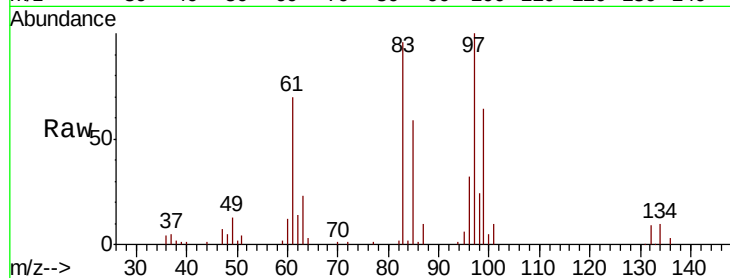
Ion Ratio Lower Upper

97 100

99 64.4 44.0 81.6

83 96.5 62.9 116.9

85 59.2 40.3 74.8

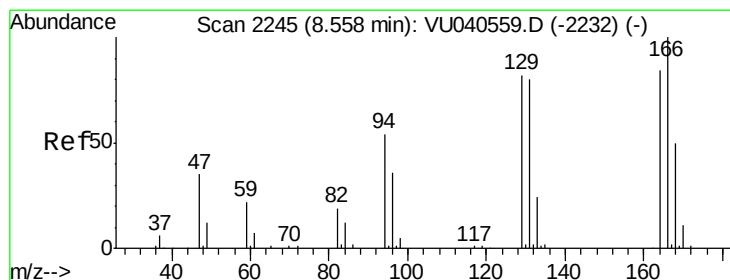
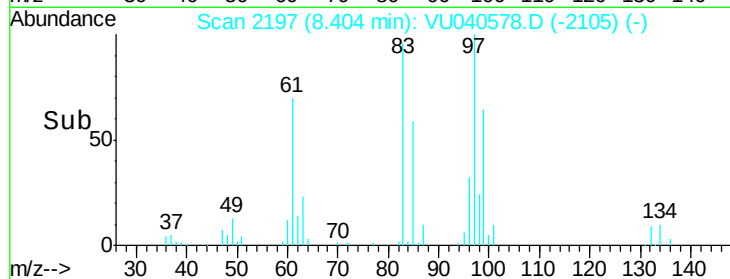
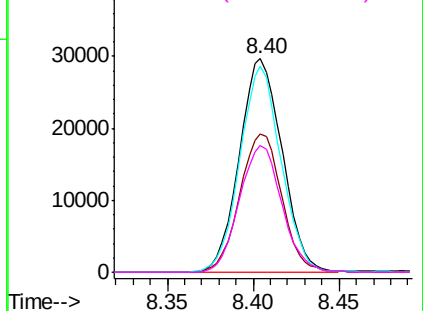


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.610 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Tgt Ion: 164 Resp: 50764

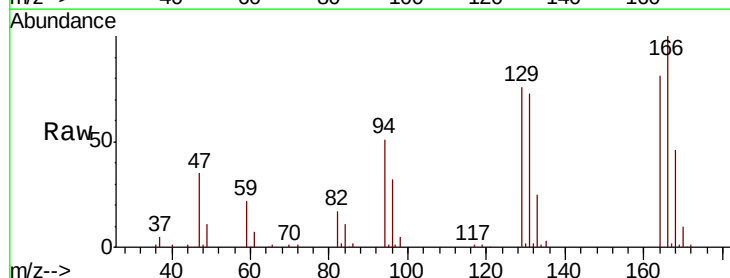
Ion Ratio Lower Upper

164 100

129 93.4 68.8 127.8

131 89.9 66.7 123.9

166 123.0 83.9 155.7

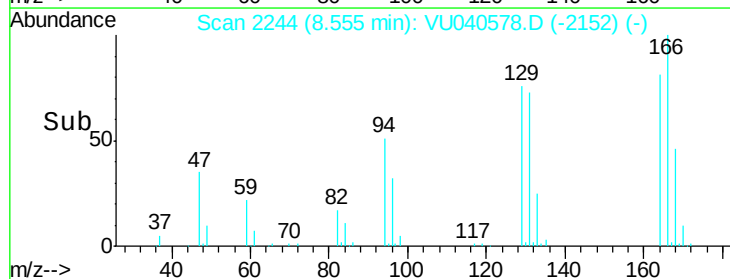
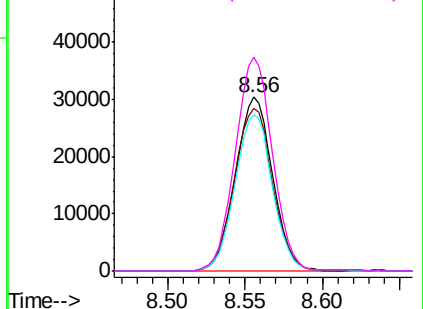


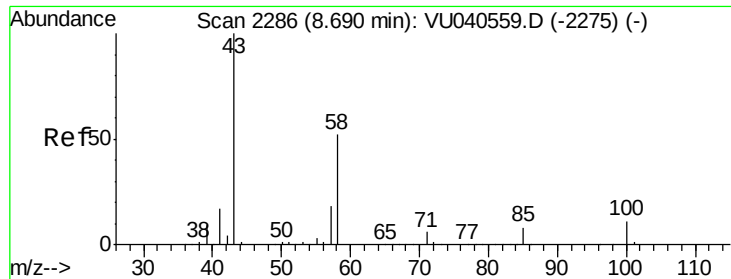
Abundance Ion 163.90 (163.60 to 164.60): V

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

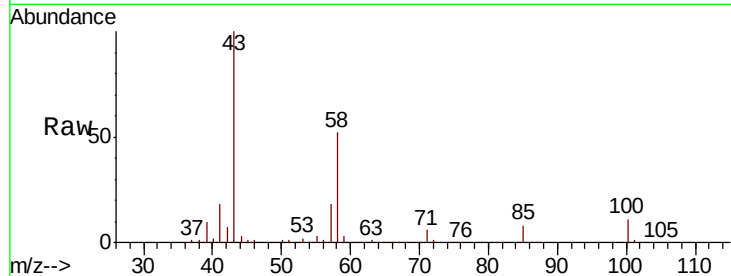




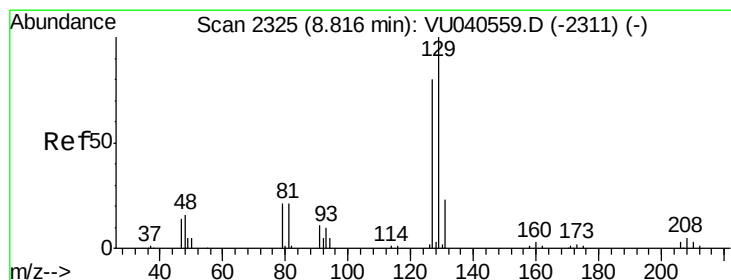
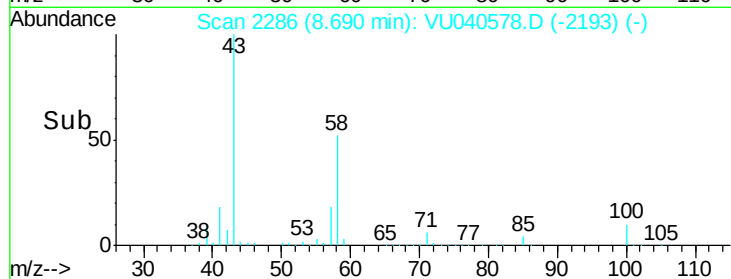
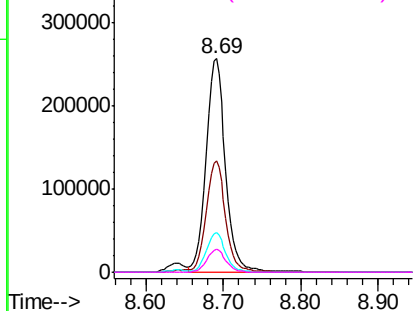
#48
2-Hexanone
Concen: 56.029 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 43 Resp: 453422
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 18.1 14.4 21.6
100 10.5 8.6 13.0

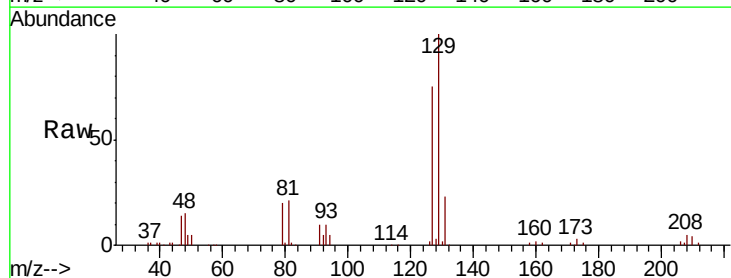


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

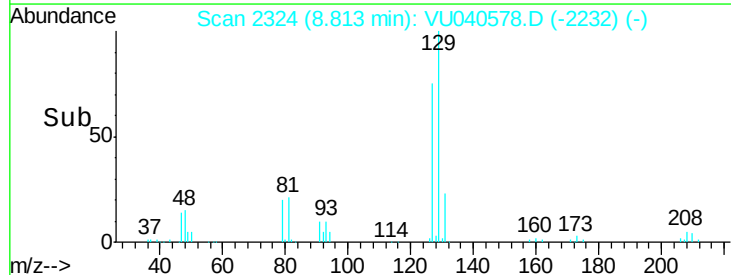
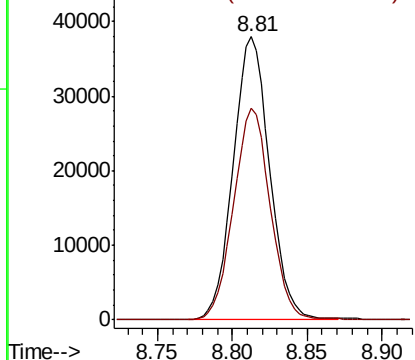


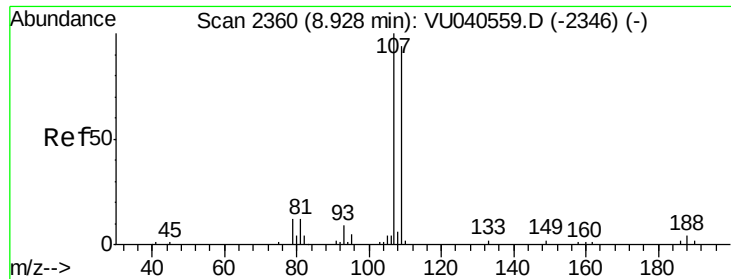
#49
Dibromochloromethane
Concen: 5.478 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion: 129 Resp: 64361
Ion Ratio Lower Upper
129 100
127 74.7 55.8 103.6



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

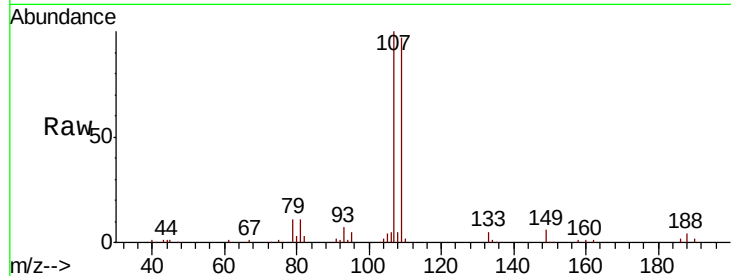




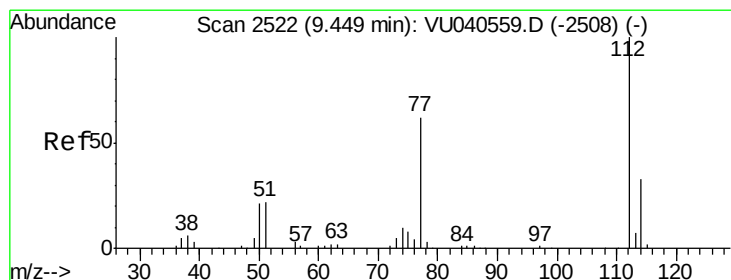
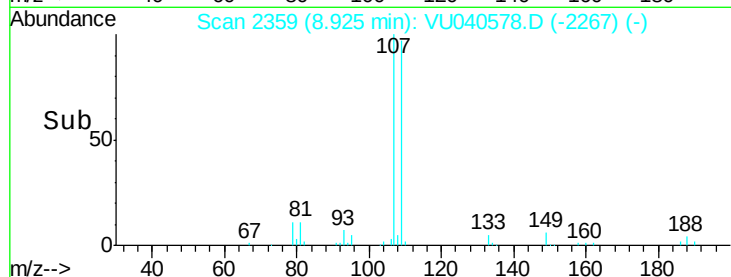
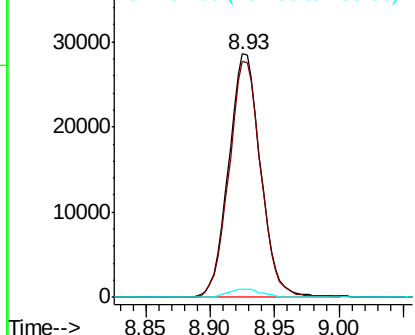
#50
1,2-Dibromoethane
Concen: 5.077 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:107 Resp: 49172
Ion Ratio Lower Upper
107 100
109 96.8 65.7 121.9
188 3.5 3.0 4.4

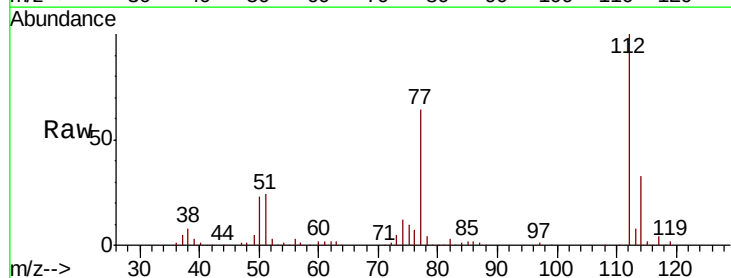


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

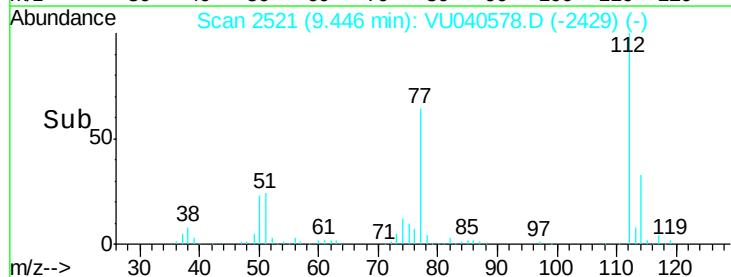
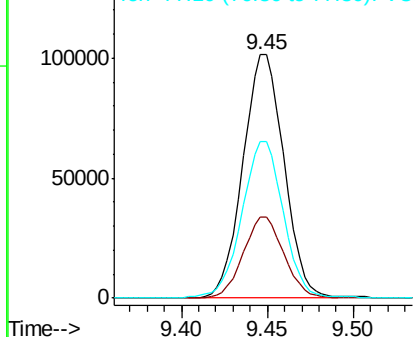


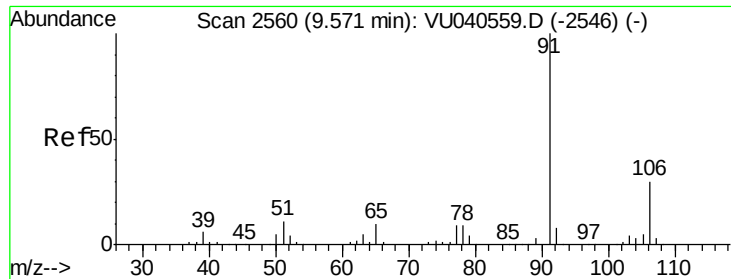
#51
Chlorobenzene
Concen: 5.126 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion:112 Resp: 168353
Ion Ratio Lower Upper
112 100
114 33.1 23.1 42.9
77 64.3 50.3 75.5



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





#52

Ethylbenzene

Concen: 5.501 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

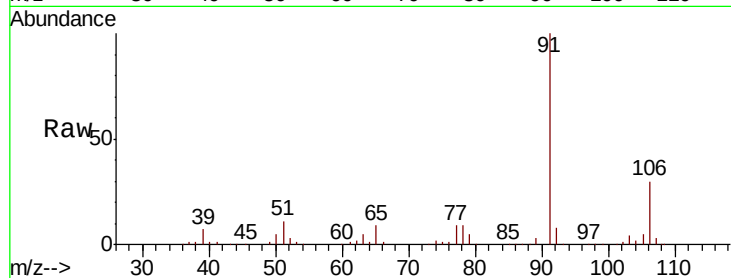
VSTD00523

Tot Ion: 91 Resp: 296870

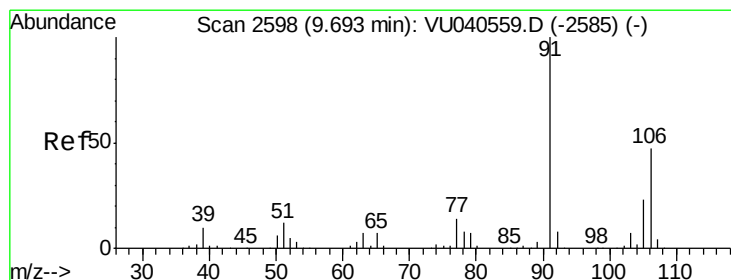
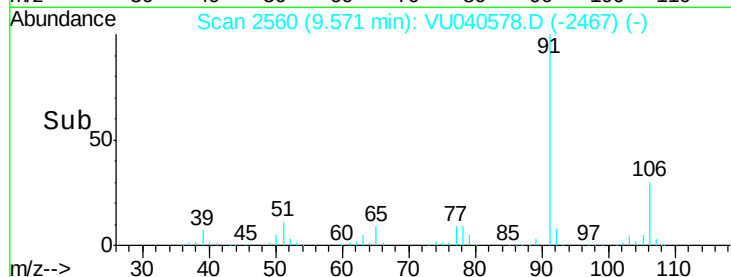
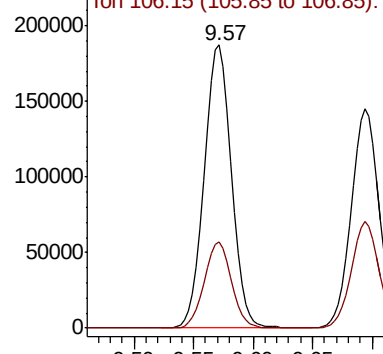
Ion Ratio Lower Upper

91 100

106 30.4 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.770 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040578.D

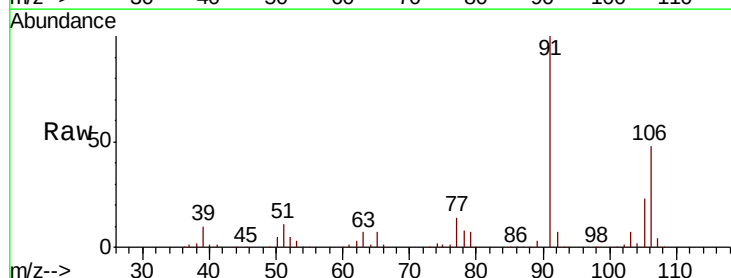
Acq: 09 Oct 2020 11:55

Tgt Ion: 106 Resp: 113489

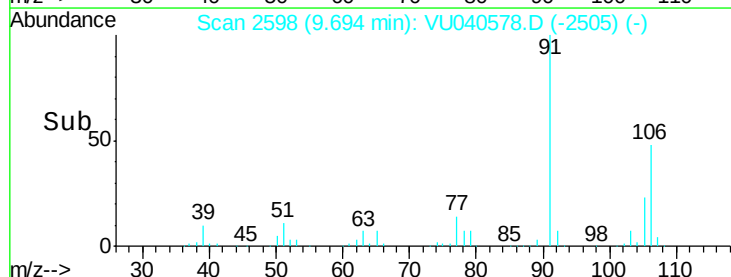
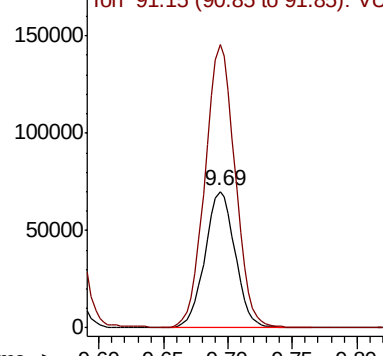
Ion Ratio Lower Upper

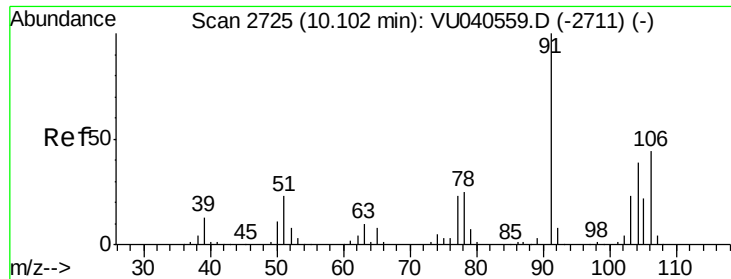
106 100

91 207.3 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040559.D (-2585) (-)

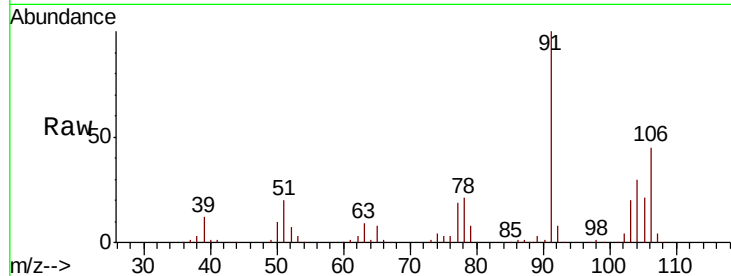




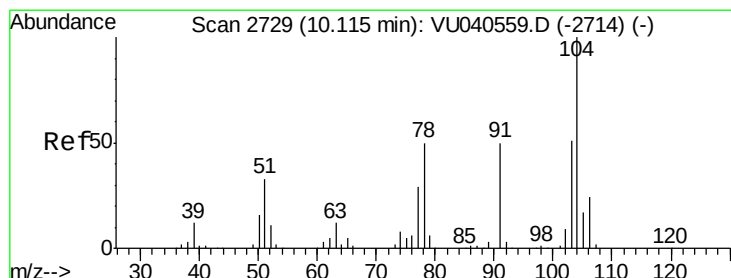
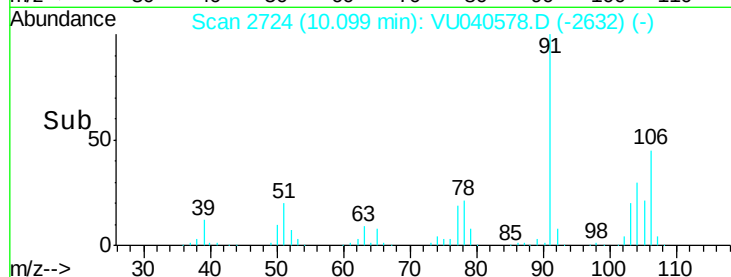
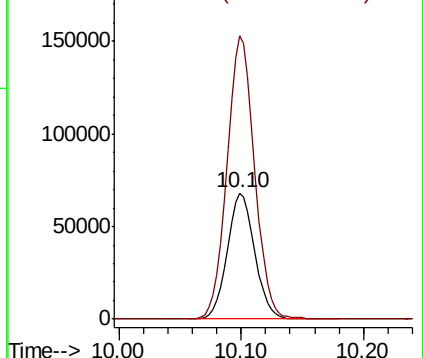
#54
o-Xylene
Concen: 5.656 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:106 Resp: 106985
Ion Ratio Lower Upper
106 100
91 224.3 160.2 297.4

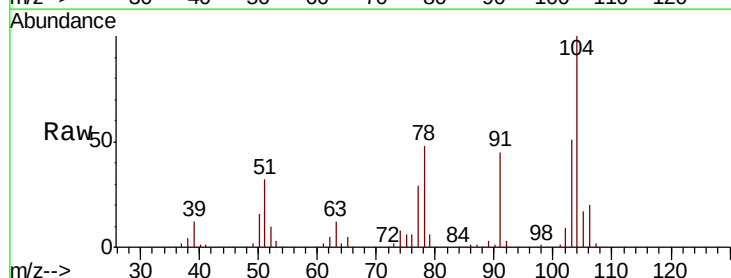


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

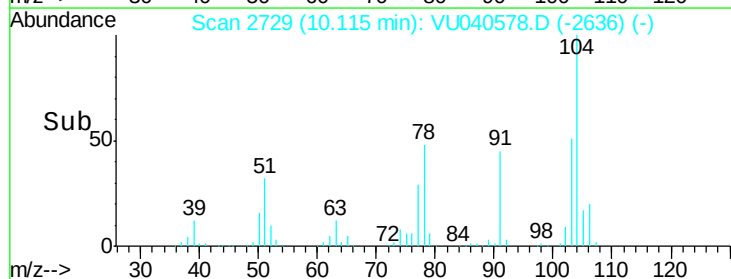
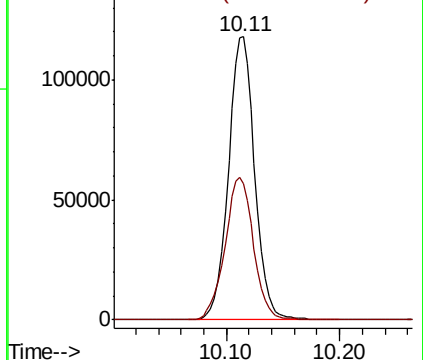


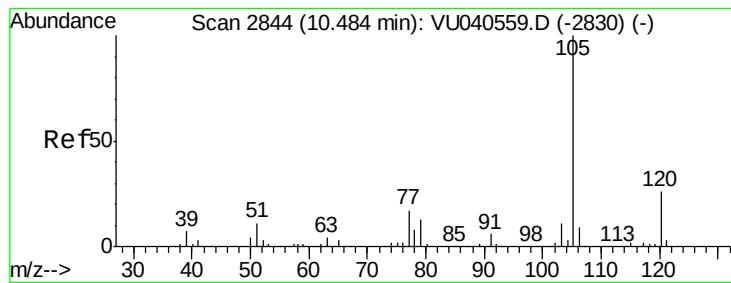
#55
Styrene
Concen: 5.787 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040578.D
Acq: 09 Oct 2020 11:55

Tgt Ion:104 Resp: 190096
Ion Ratio Lower Upper
104 100
78 48.1 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: 5.715 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

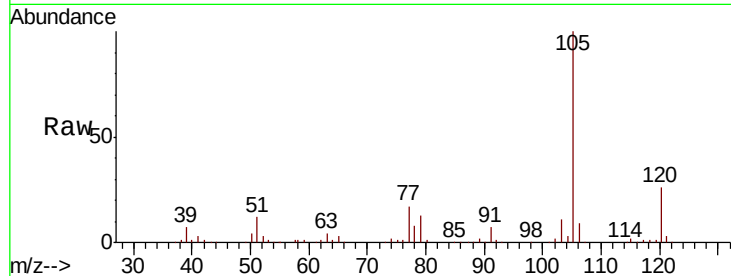
Tot Ion:105 Resp: 290993

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

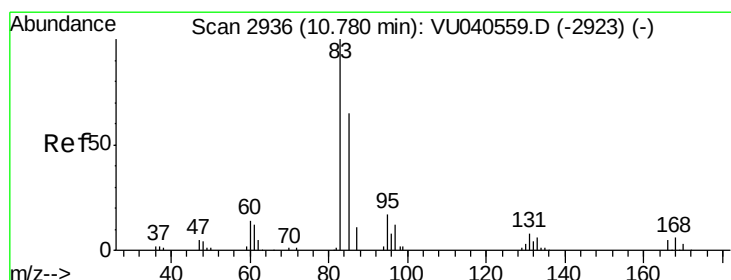
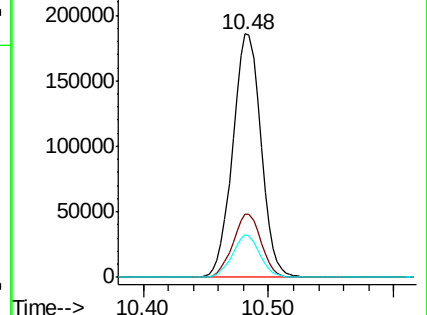
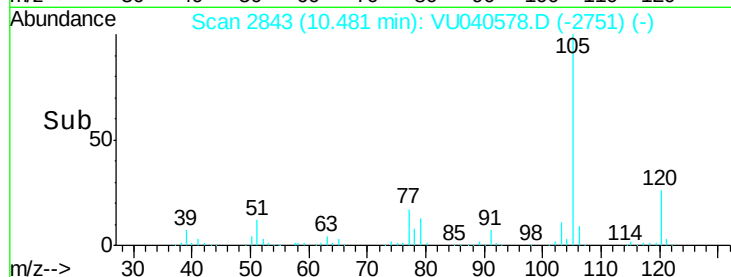
77 17.0 13.8 20.6



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: 5.181 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

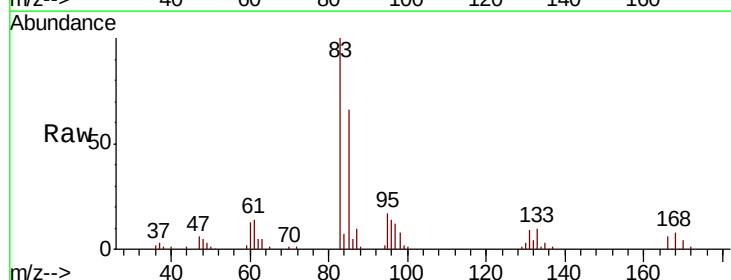
Tgt Ion: 83 Resp: 69454

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.6

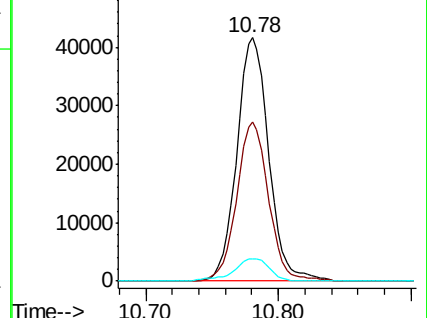
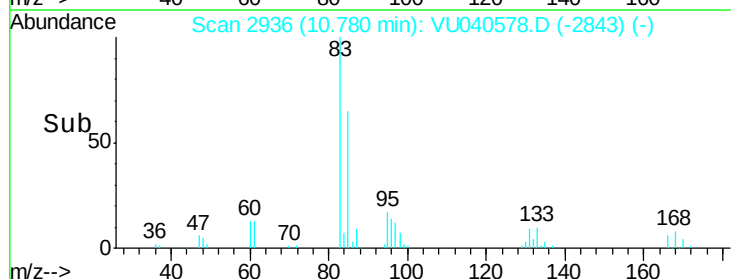
131 9.4 7.1 10.7

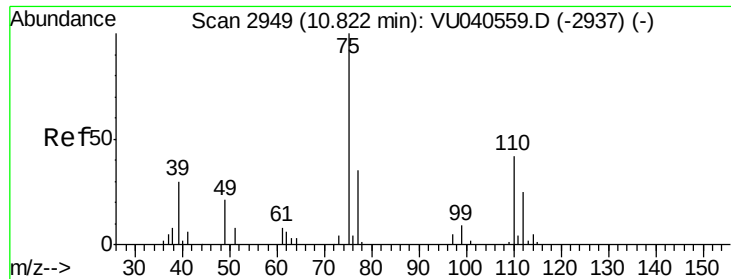


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.327 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

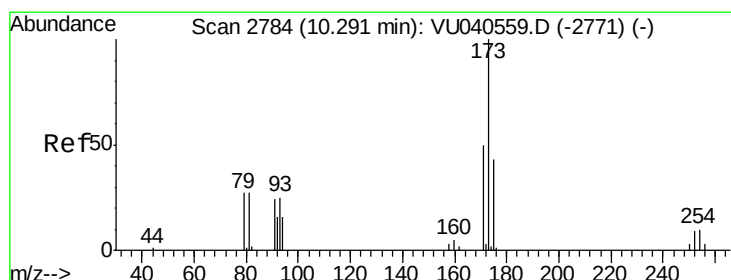
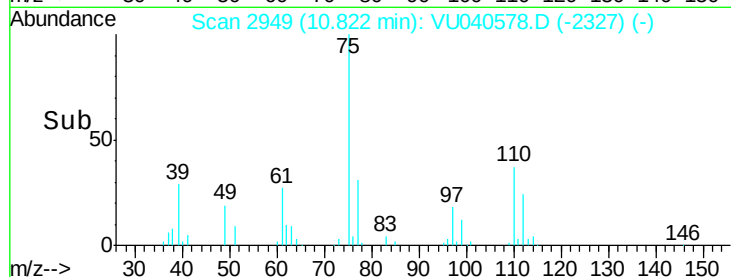
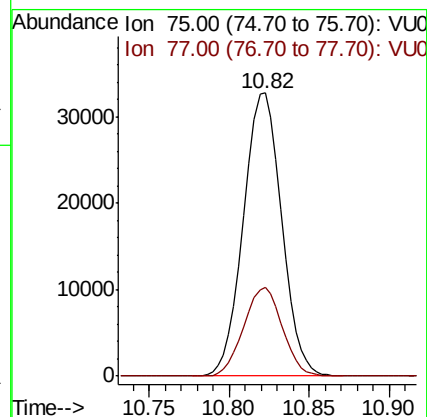
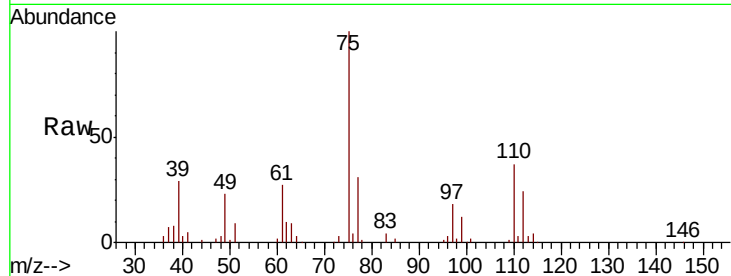
VSTD00523

Tot Ion: 75 Resp: 53350

Ion Ratio Lower Upper

75 100

77 31.5 26.4 39.6



#61

Bromoform

Concen: 5.259 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

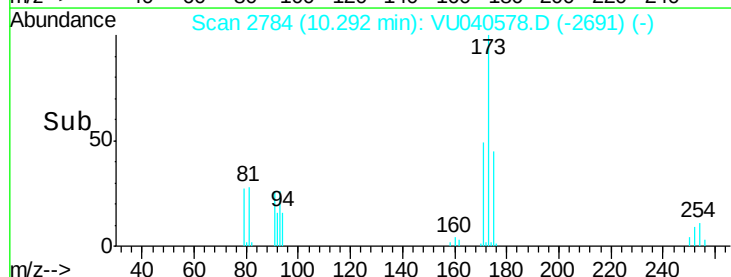
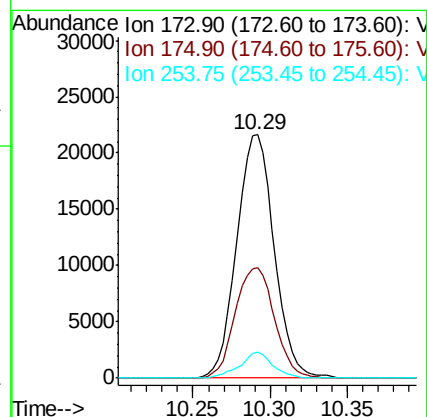
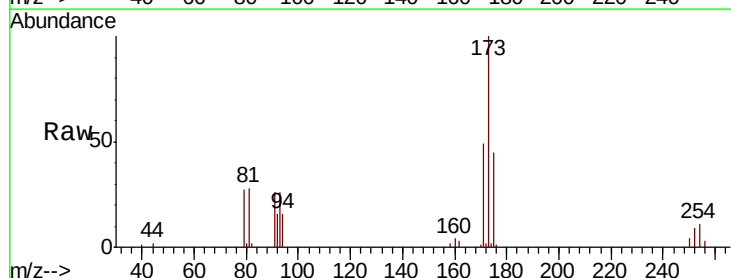
Tgt Ion: 173 Resp: 36361

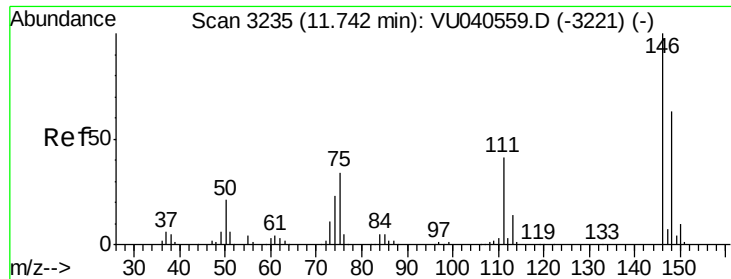
Ion Ratio Lower Upper

173 100

175 47.5 37.4 56.0

254 9.3 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.473 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

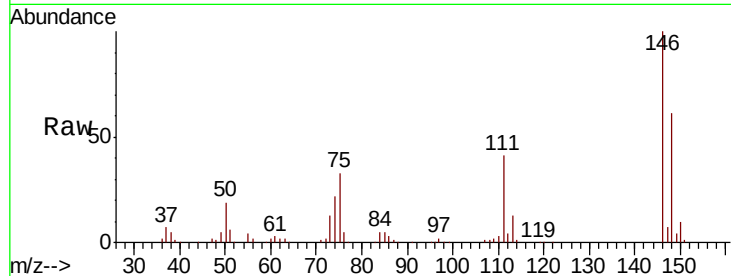
Tot Ion:146 Resp: 144498

Ion Ratio Lower Upper

146 100

111 41.3 28.8 53.6

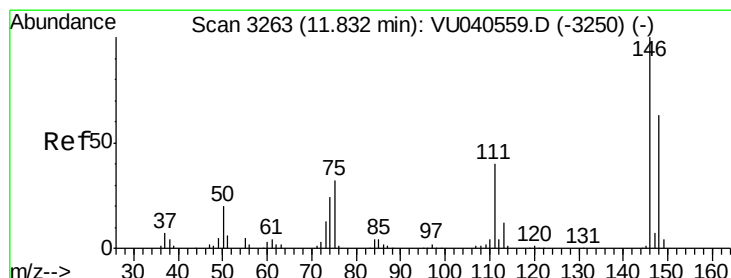
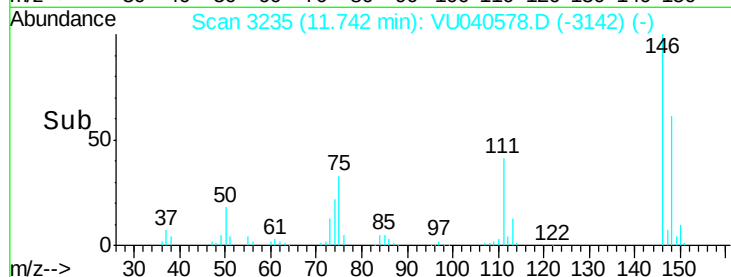
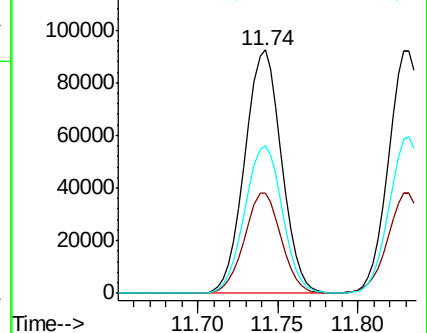
148 60.6 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 5.415 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

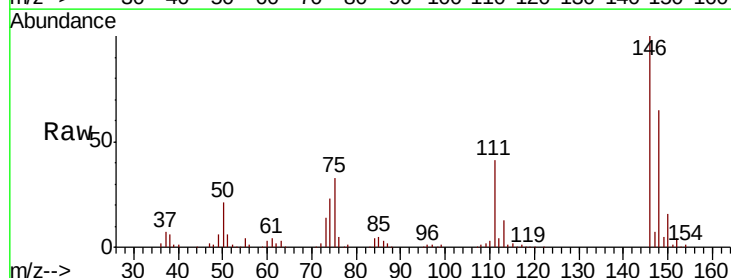
Tgt Ion:146 Resp: 147400

Ion Ratio Lower Upper

146 100

111 41.1 28.4 52.8

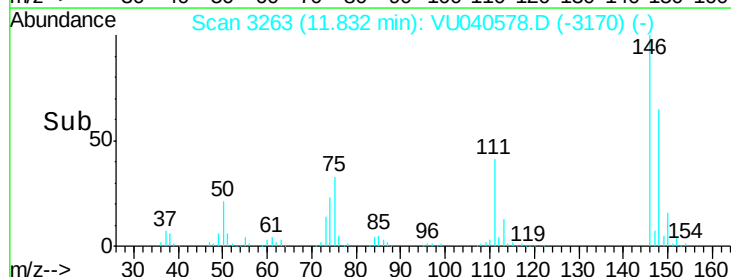
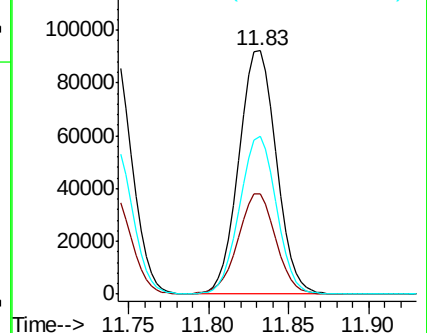
148 64.6 44.0 81.6

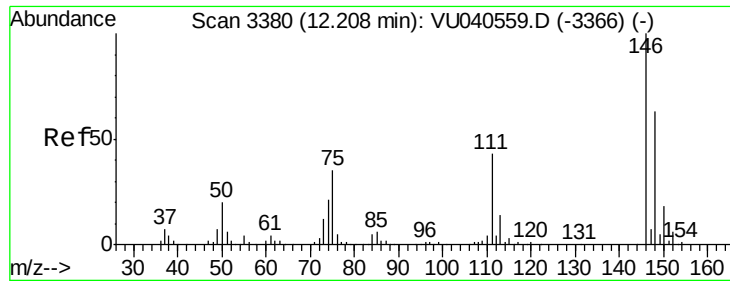


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

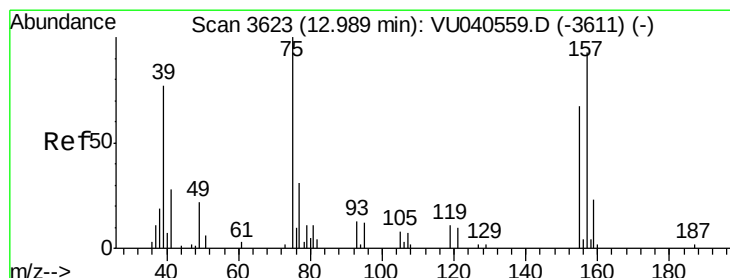
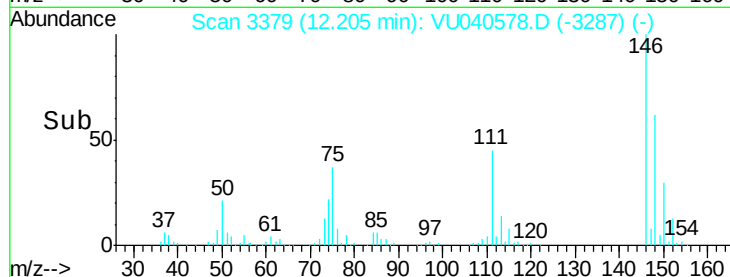
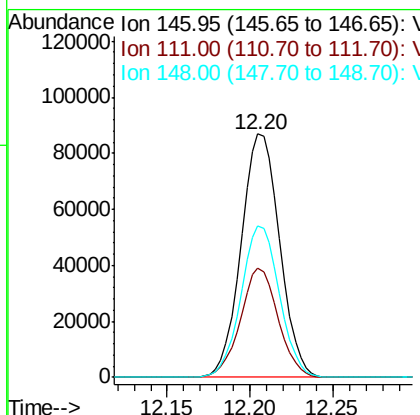
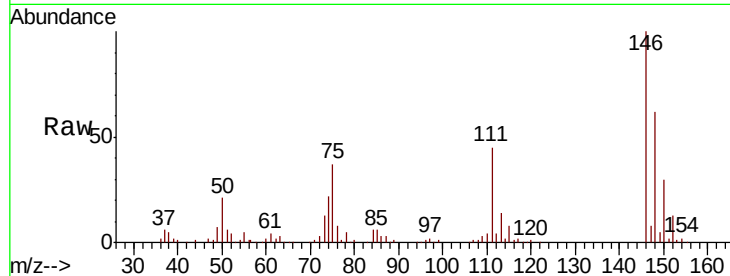




#65
 1,2-Dichlorobenzene
 Concen: 5.417 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

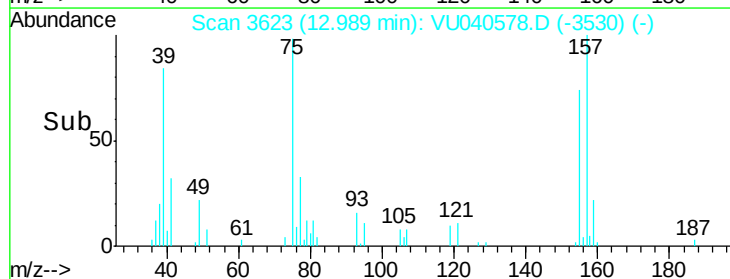
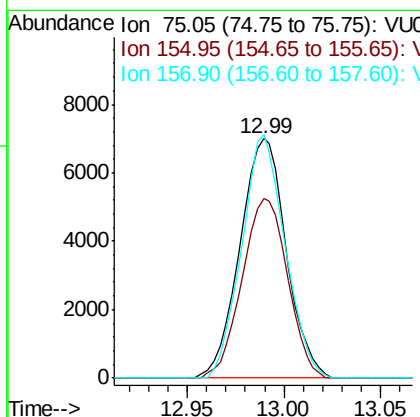
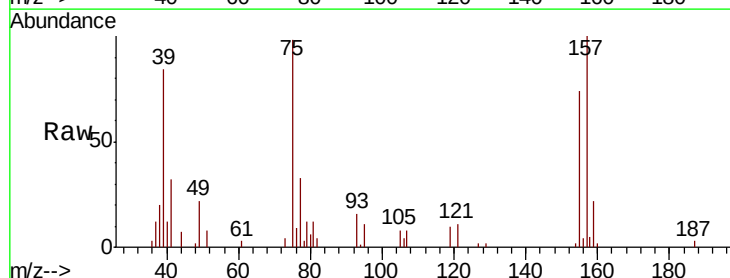
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

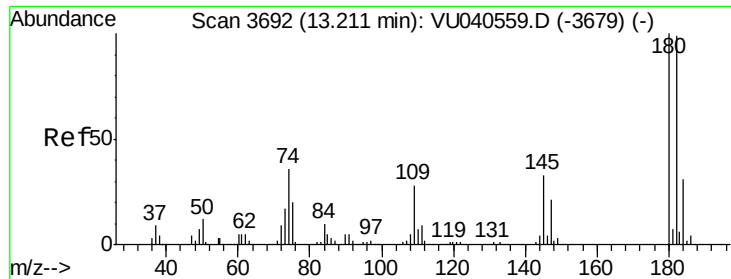
Tot Ion:146 Resp: 139823
 Ion Ratio Lower Upper
 146 100
 111 45.0 34.4 51.6
 148 62.0 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.157 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion: 75 Resp: 11654
 Ion Ratio Lower Upper
 75 100
 155 74.9 53.8 80.6
 157 101.8 74.6 112.0

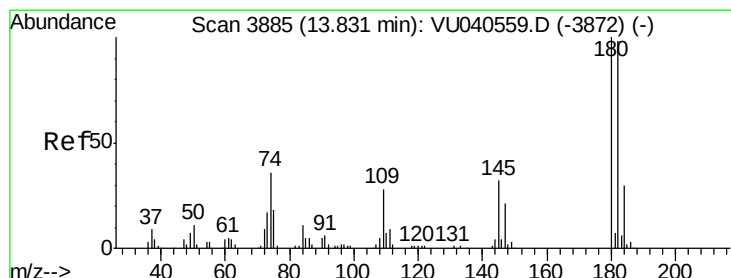
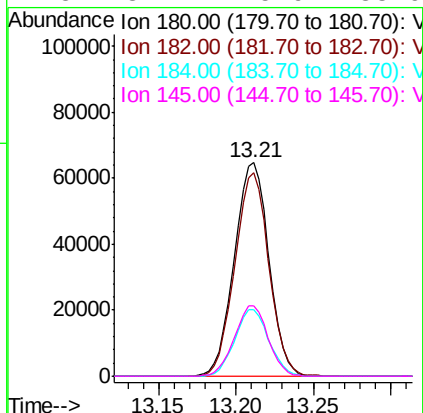
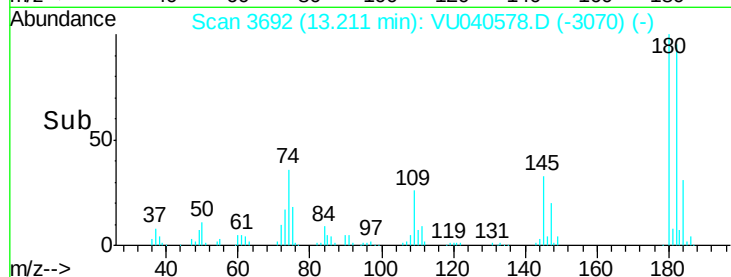
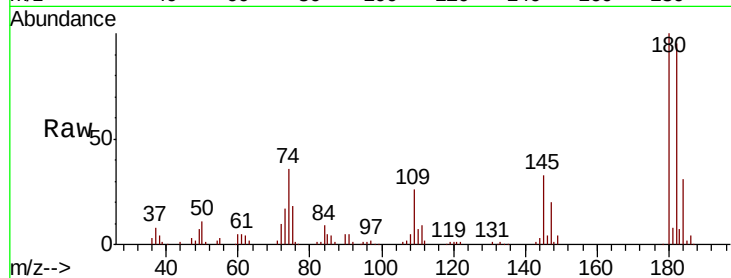




#67
 1,3,5-Trichlorobenzene
 Concen: 5.361 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

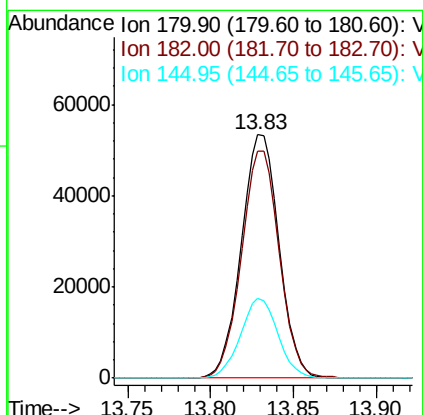
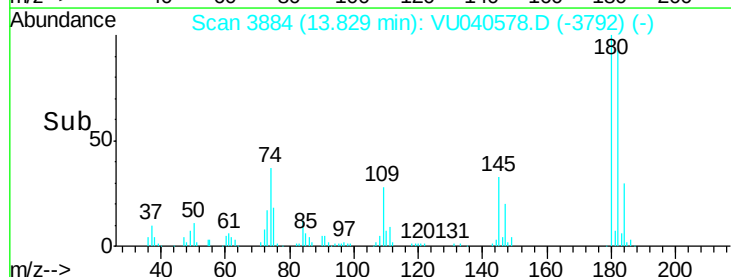
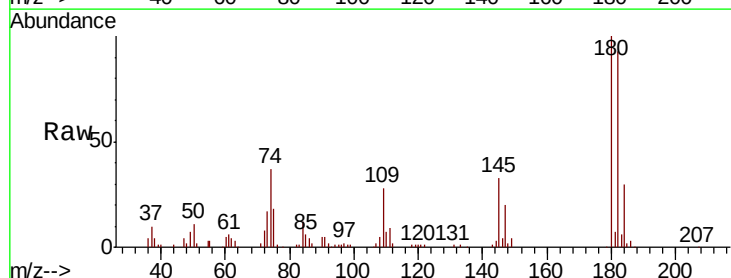
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

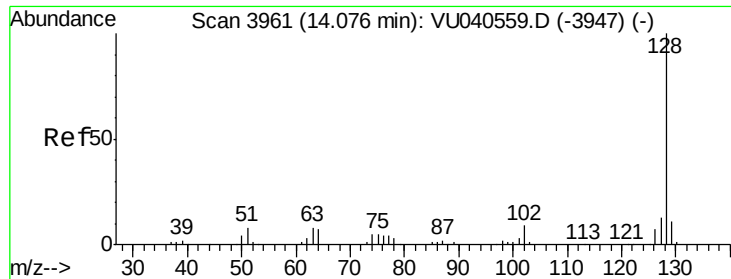
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.0	115.4
184	30.7	24.5	36.7
145	32.1	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.836 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040578.D
 Acq: 09 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	78.8	118.2
145	32.5	26.1	39.1





#69

Naphthalene

Concen: 6.118 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

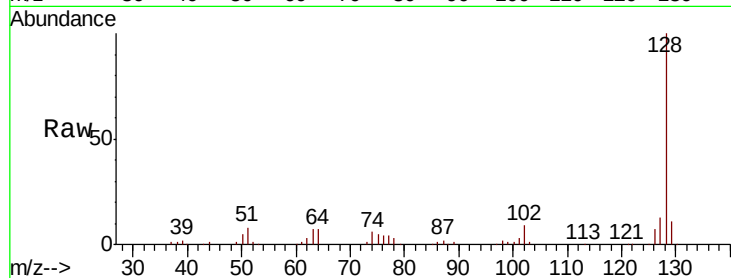
Tot Ion:128 Resp: 144850

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

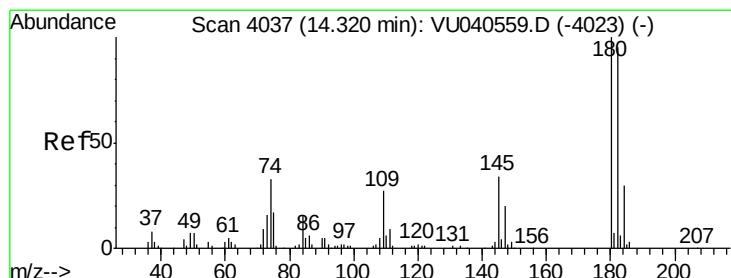
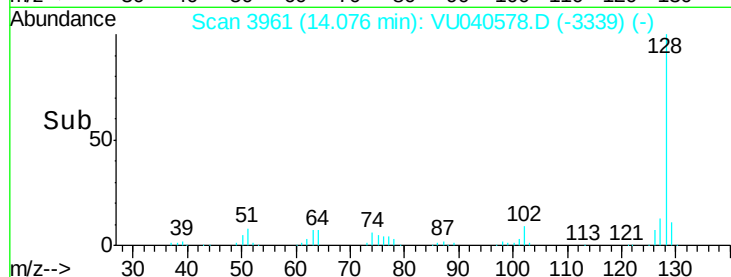
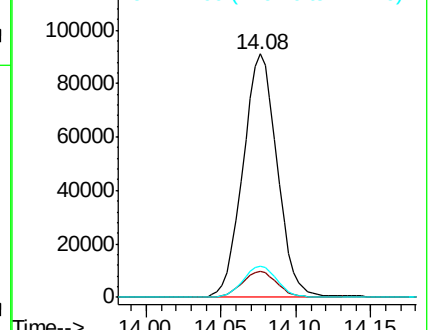
127 12.9 10.2 15.4



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: 5.825 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040578.D

Acq: 09 Oct 2020 11:55

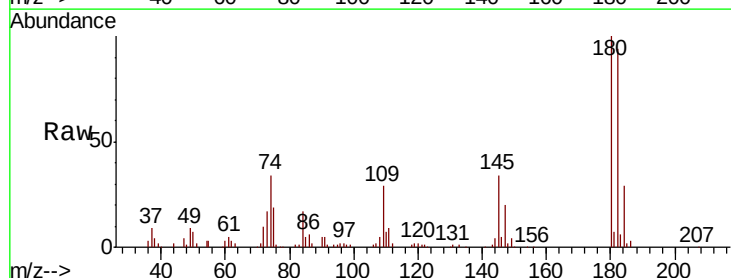
Tgt Ion:180 Resp: 78284

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.8

145 33.5 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

