

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040863.D
 Acq On : 20 Oct 2020 21:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Oct 21 00:01:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117137	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121681	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64459	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41290	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.92	69	36313	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	89009	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.65	46	167962	54.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.16%
24) Chloroform-d	5.08	84	90760	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.72	65	53526	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	165094	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	54088	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.91	98	150607	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	8.19	79	22660	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	126013	52.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.96%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51532	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57278	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	60094	5.662	ug/L 97
3) Chloromethane	1.53	50	52402	5.280	ug/L 99
5) Vinyl chloride	1.61	62	59277	5.671	ug/L 87
6) Bromomethane	1.86	94	18630	3.282	ug/L 97
8) Chloroethane	1.94	64	35375	5.315	ug/L 95
9) Trichlorofluoromethane	2.15	101	81092	5.403	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47907	4.917	ug/L 97
12) 1,1-Dichloroethene	2.59	96	42677	5.106	ug/L 93
13) Acetone	2.66	43	104751	43.509	ug/L 99
14) Carbon disulfide	2.81	76	153179	6.547	ug/L 99
15) Methyl Acetate	2.97	43	26380	4.798	ug/L 100
16) Methylene chloride	3.06	84	56506	5.266	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	105490	4.464	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	44027	5.032	ug/L 96
19) 1,1-Dichloroethane	3.89	63	90745	5.015	ug/L 97
21) 2-Butanone	4.73	43	171281	45.632	ug/L 96
22) cis-1,2-Dichloroethene	4.69	96	48524	5.143	ug/L 97

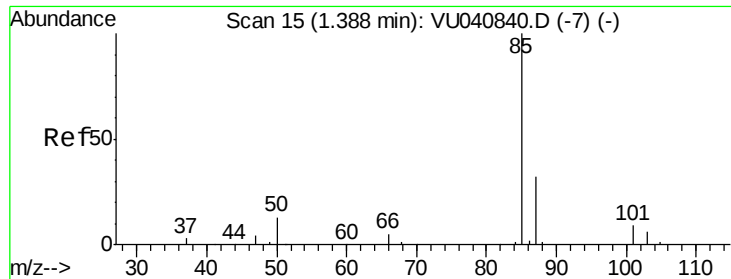
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
 Data File : VU040863.D
 Acq On : 20 Oct 2020 21:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: Oct 21 00:01:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	23592	5.033	ug/L	97
25) Chloroform	5.11	83	94055	5.091	ug/L	98
27) 1,2-Dichloroethane	5.81	62	66405	5.079	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	78398	4.795	ug/L	100
30) Cyclohexane	5.40	56	73844	4.901	ug/L	99
31) Carbon tetrachloride	5.54	117	68384	4.887	ug/L	100
33) Benzene	5.79	78	195611	5.004	ug/L	100
34) Trichloroethene	6.55	95	49031	4.839	ug/L	96
35) Methylcyclohexane	6.77	83	69183	4.814	ug/L	99
37) 1,2-Dichloropropane	6.80	63	52735	4.841	ug/L	99
38) Bromodichloromethane	7.11	83	67152	4.823	ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	67912	4.563	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	402563	46.358	ug/L	99
42) Toluene	7.98	91	201035	5.047	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	62810	4.585	ug/L	91
45) 1,1,2-Trichloroethane	8.40	97	38147	4.676	ug/L	97
47) Tetrachloroethene	8.56	164	37325	5.163	ug/L	96
48) 2-Hexanone	8.69	43	308093	47.653	ug/L	100
49) Dibromochloromethane	8.81	129	45132	4.808	ug/L	94
50) 1,2-Dibromoethane	8.93	107	36074	4.662	ug/L	97
51) Chlorobenzene	9.45	112	124401	4.741	ug/L	98
52) Ethylbenzene	9.57	91	202288	4.692	ug/L	99
53) m,p-Xylene	9.70	106	78411	4.990	ug/L	99
54) o-Xylene	10.10	106	71519	4.733	ug/L	96
55) Styrene	10.11	104	130948	4.990	ug/L	98
56) Isopropylbenzene	10.48	105	193195	4.749	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	51299	4.790	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	37433	4.679	ug/L	99
61) Bromoform	10.29	173	25221	4.564	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	101504	4.811	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	103101	4.739	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	96901	4.698	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	8278	4.584	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	66452	4.439	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	51369	4.441	ug/L	99
69) Naphthalene	14.08	128	83880	4.433	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	49851	4.642	ug/L	99

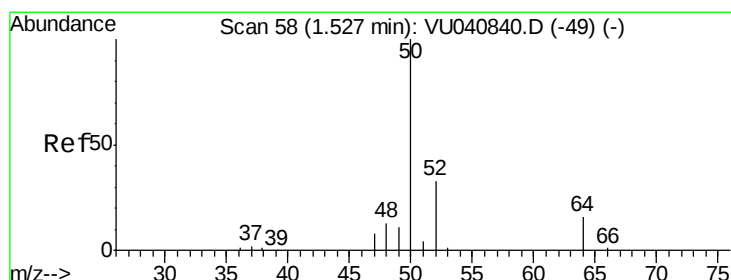
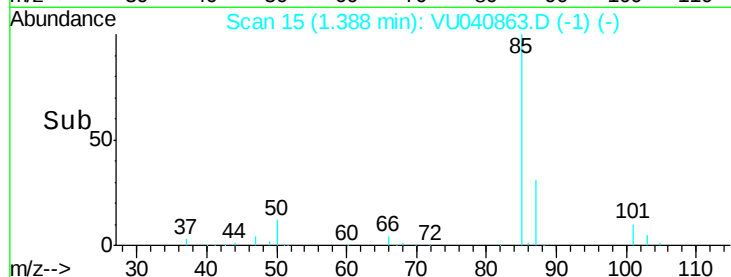
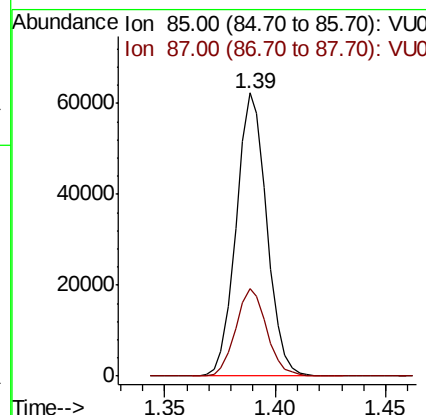
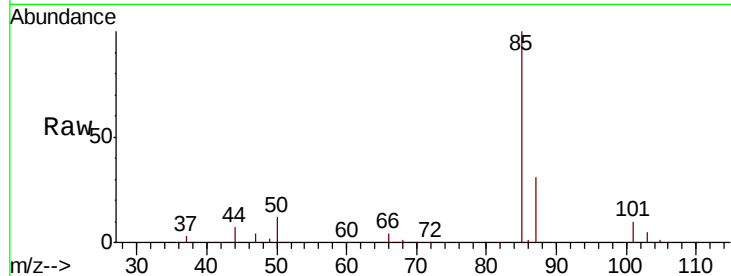
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.662 ug/L
 RT: 1.39 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

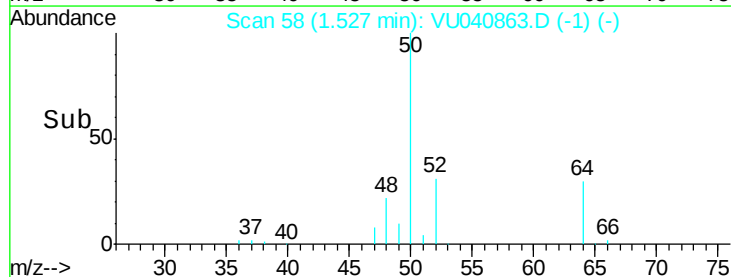
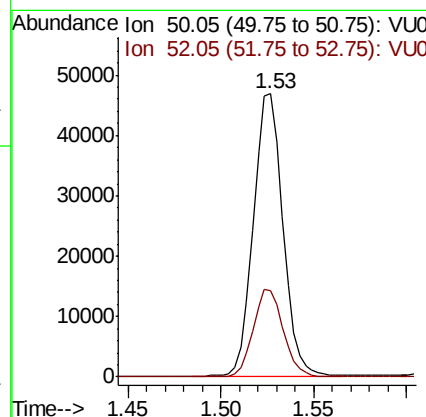
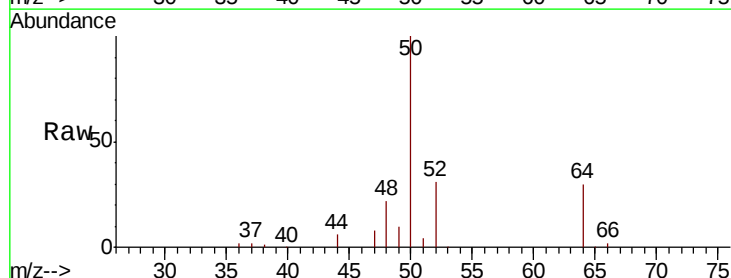
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

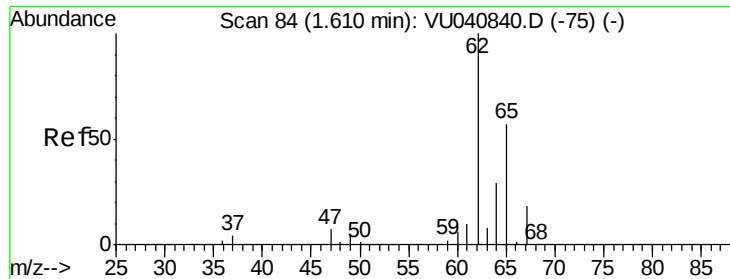
Tot Ion: 85 Resp: 60094
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.2 39.4



#3
 Chloromethane
 Concen: 5.280 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 50 Resp: 52402
 Ion Ratio Lower Upper
 50 100
 52 30.6 21.9 40.7





#5

Vinyl chloride

Concen: 5.671 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

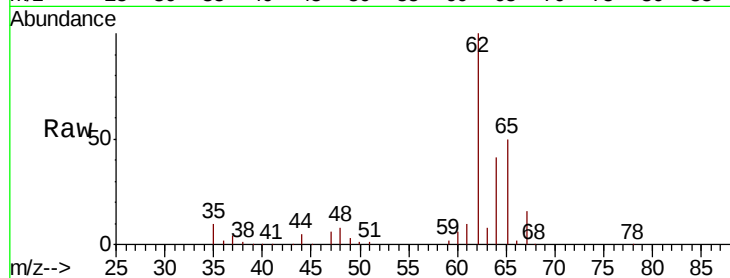
VSTD00521

Tot Ion: 62 Resp: 59277

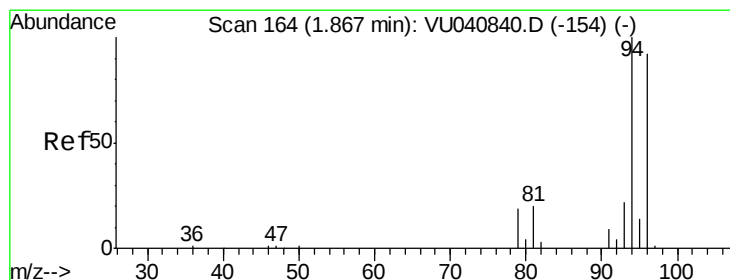
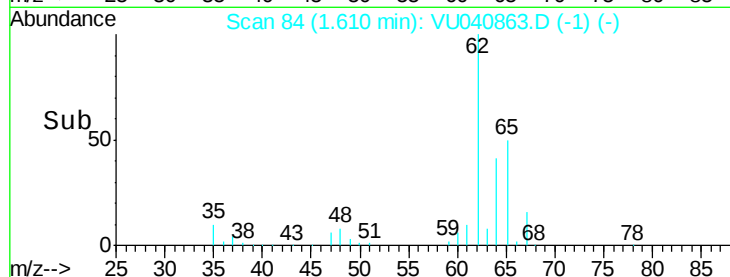
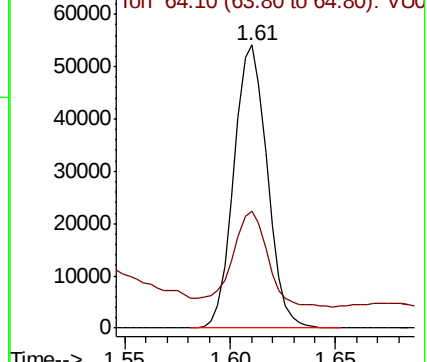
Ion Ratio Lower Upper

62 100

64 41.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040863.D (-1) (-)



#6

Bromomethane

Concen: 3.282 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040863.D

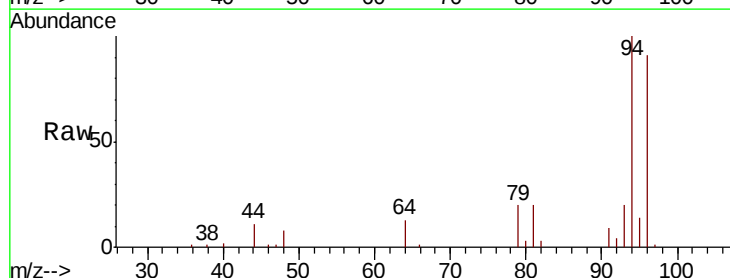
Acq: 20 Oct 2020 21:49

Tgt Ion: 94 Resp: 18630

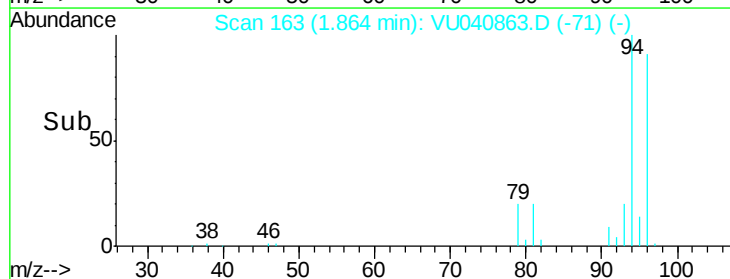
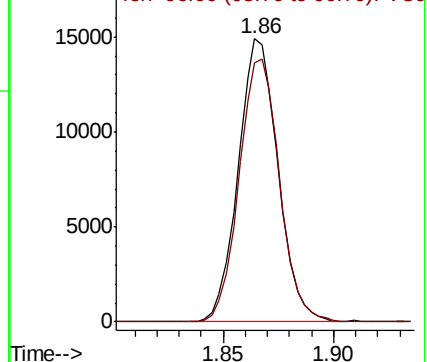
Ion Ratio Lower Upper

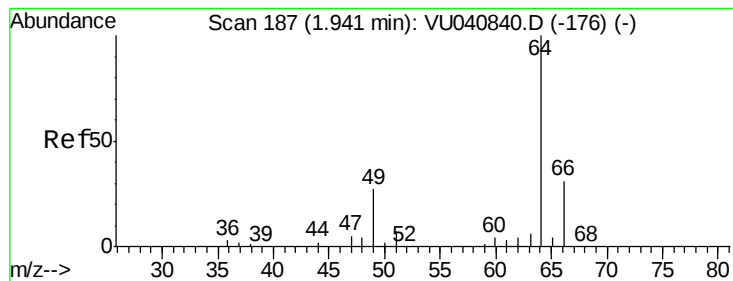
94 100

96 91.4 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU040863.D (-71) (-)





#8

Chloroethane

Concen: 5.315 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

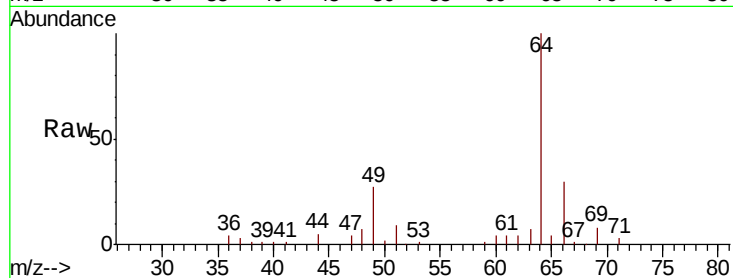
VSTD00521

Tot Ion: 64 Resp: 35375

Ion Ratio Lower Upper

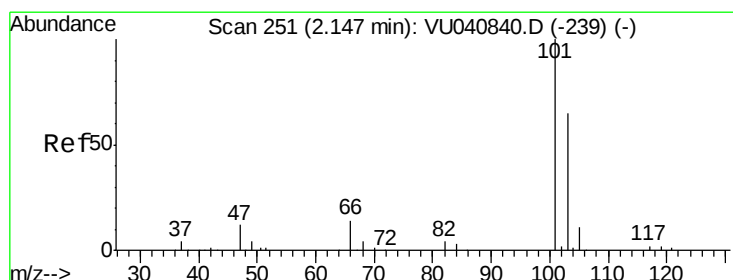
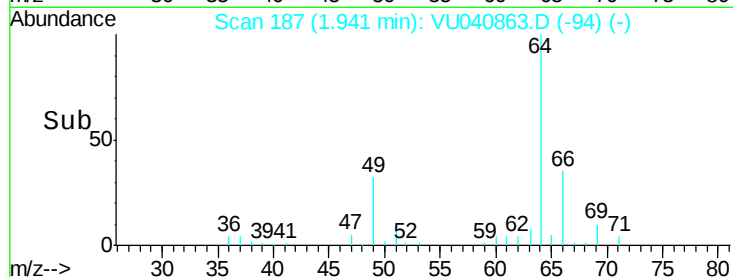
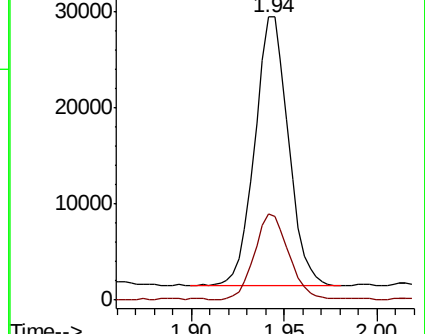
64 100

66 30.4 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040840.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040840.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.403 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040863.D

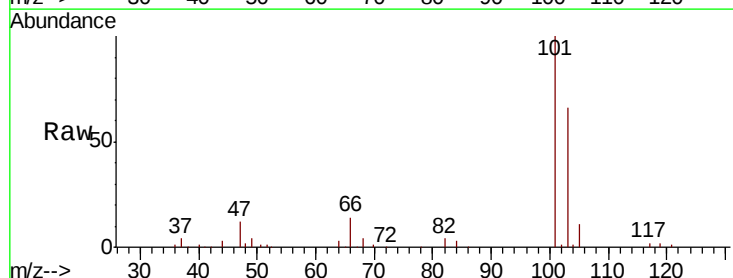
Acq: 20 Oct 2020 21:49

Tgt Ion: 101 Resp: 81092

Ion Ratio Lower Upper

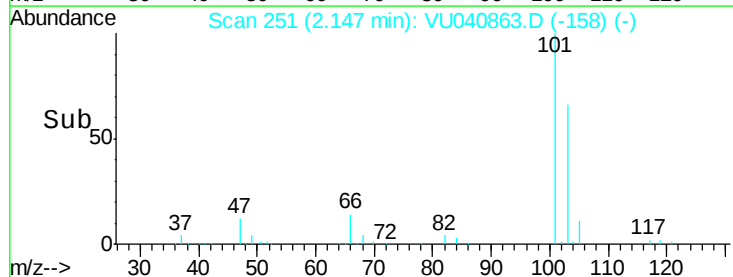
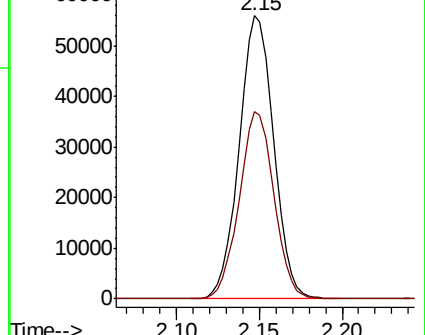
101 100

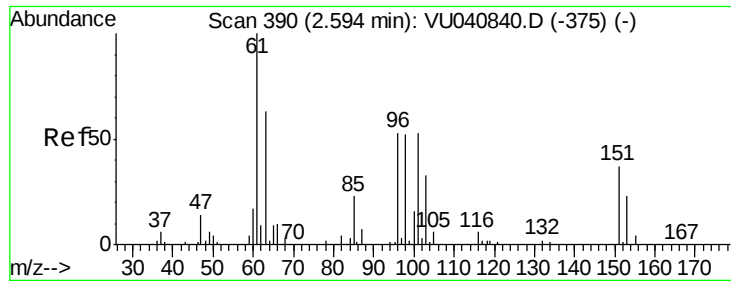
103 66.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040840.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040840.D (-239) (-)





#10

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

Concen: 4.917 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

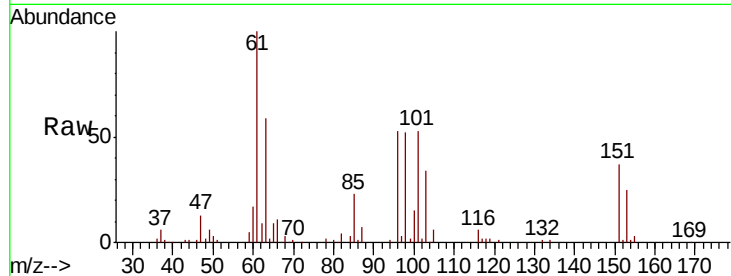
Tot Ion:101 Resp: 47907

Ion Ratio Lower Upper

101 100

85 44.3 36.7 55.1

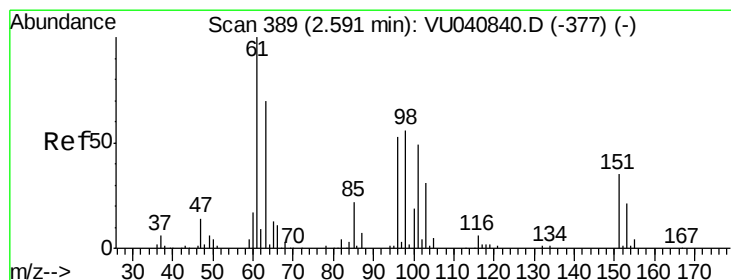
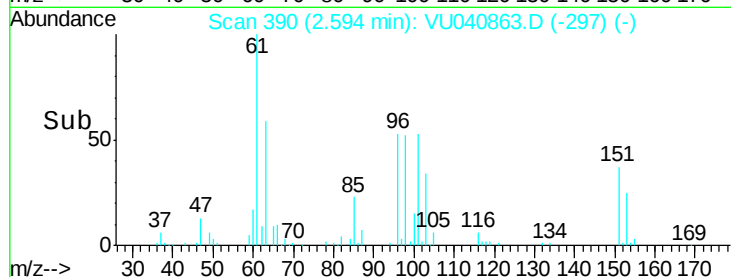
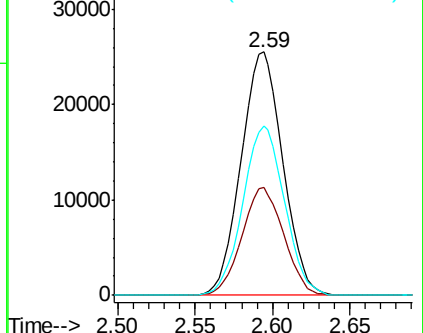
151 69.3 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.106 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

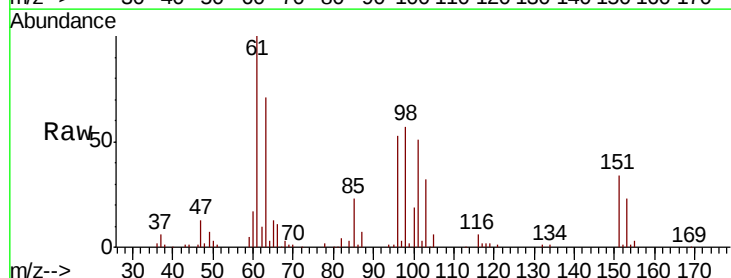
Tgt Ion: 96 Resp: 42677

Ion Ratio Lower Upper

96 100

61 189.5 128.8 239.2

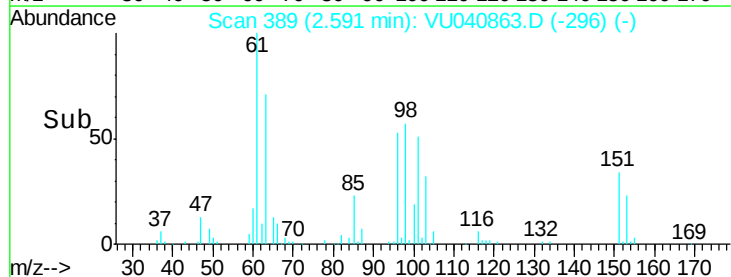
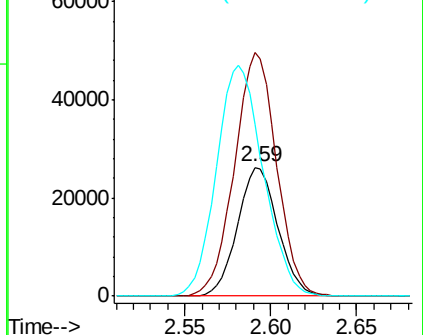
63 134.0 84.6 157.2

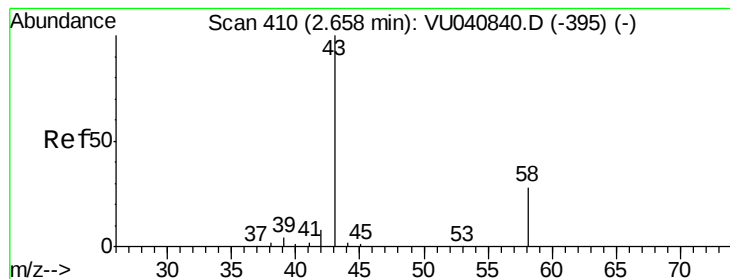


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.509 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

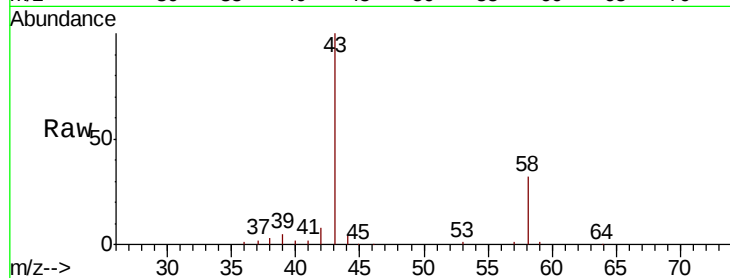
VSTD00521

Tot Ion: 43 Resp: 104751

Ion Ratio Lower Upper

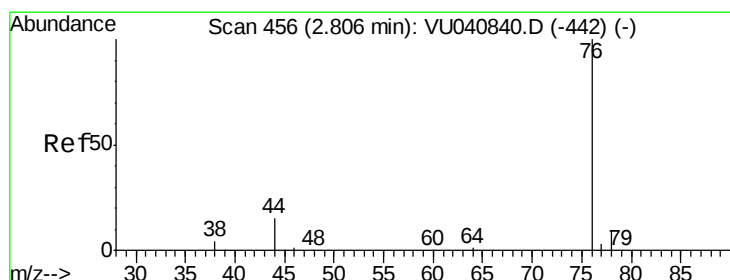
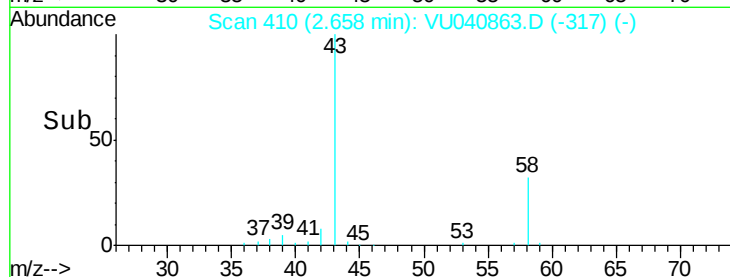
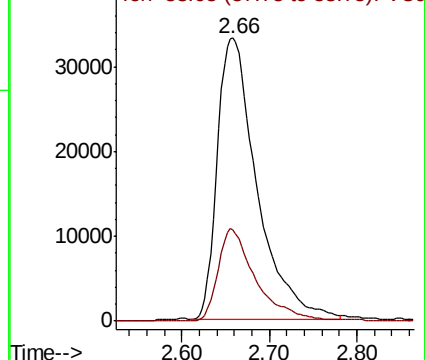
43 100

58 31.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040863.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU040863.D (-317) (-)



#14

Carbon disulfide

Concen: 6.547 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040863.D

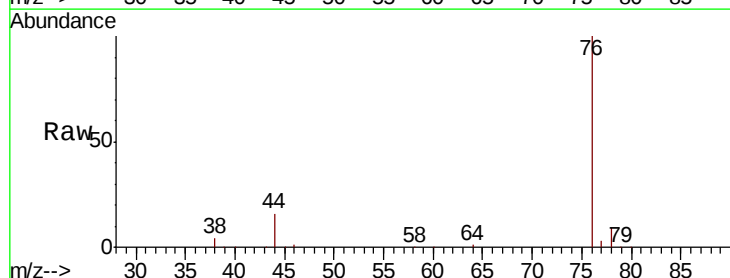
Acq: 20 Oct 2020 21:49

Tgt Ion: 76 Resp: 153179

Ion Ratio Lower Upper

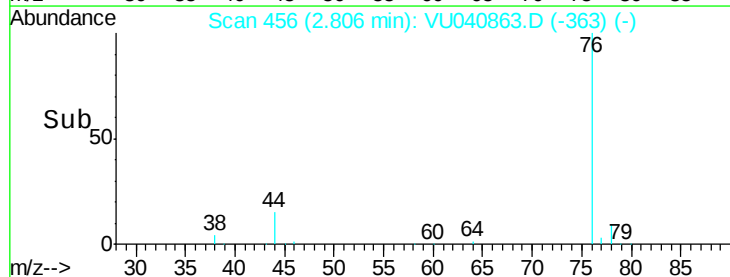
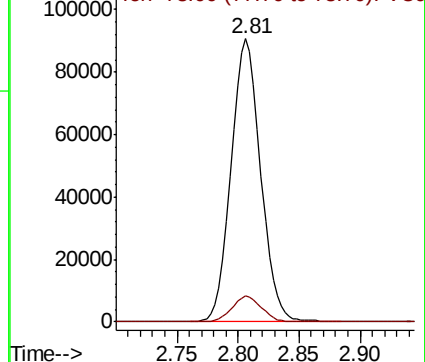
76 100

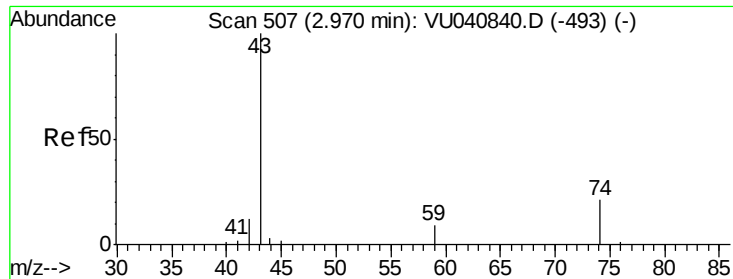
78 9.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040863.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040863.D (-363) (-)





#15

Methyl Acetate

Concen: 4.798 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

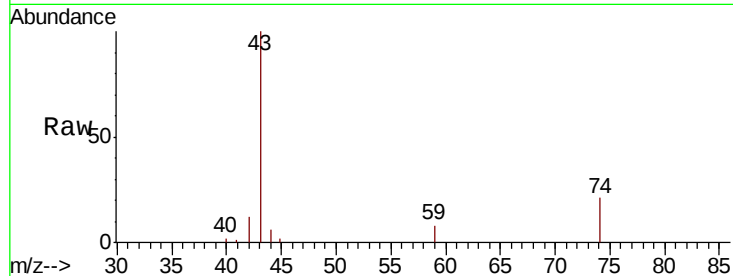
VSTD00521

Tot Ion: 43 Resp: 26380

Ion Ratio Lower Upper

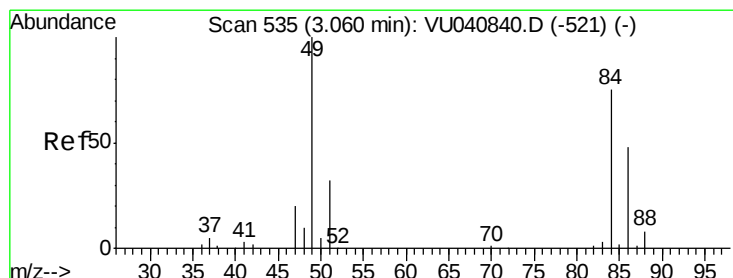
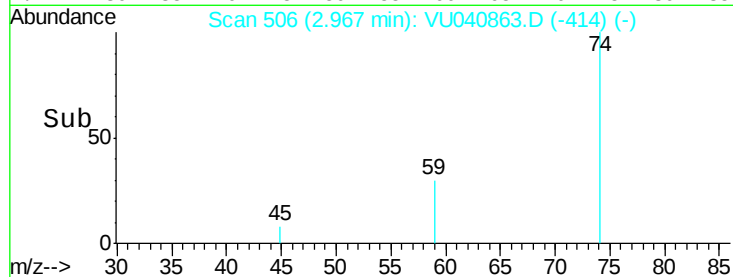
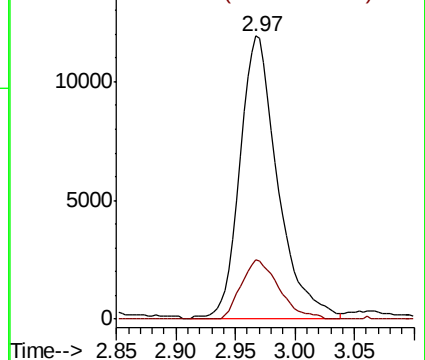
43 100

74 20.8 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.266 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

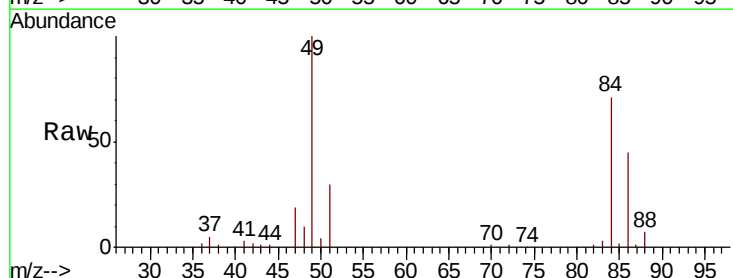
Tgt Ion: 84 Resp: 56506

Ion Ratio Lower Upper

84 100

86 63.6 45.4 84.4

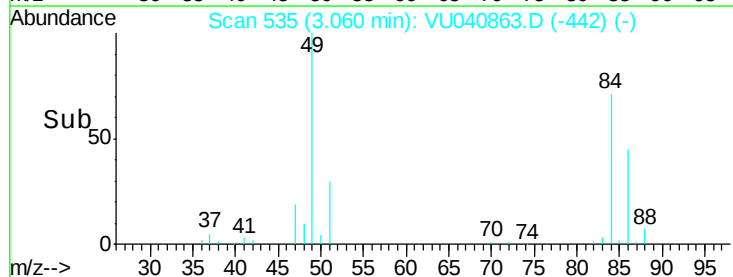
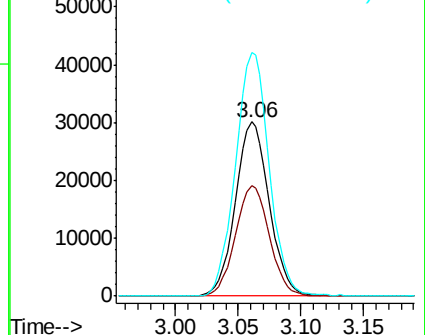
49 139.9 99.8 185.3

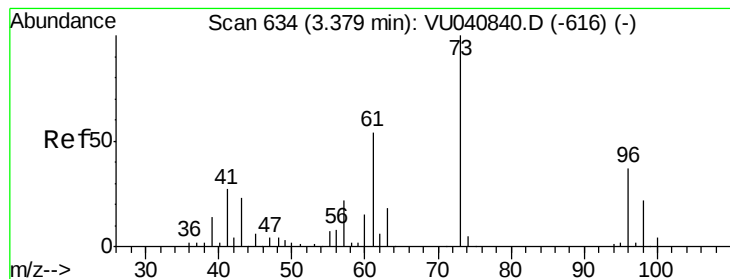


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



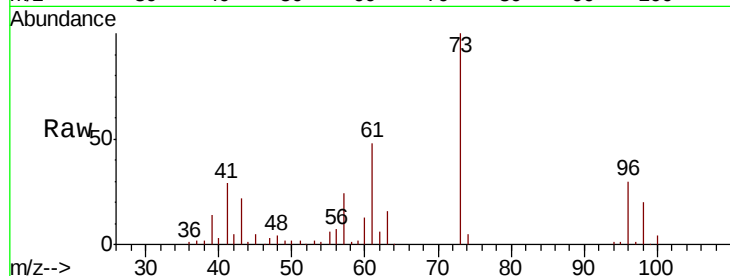


#17

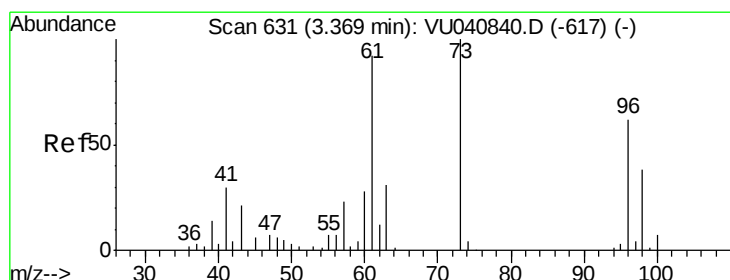
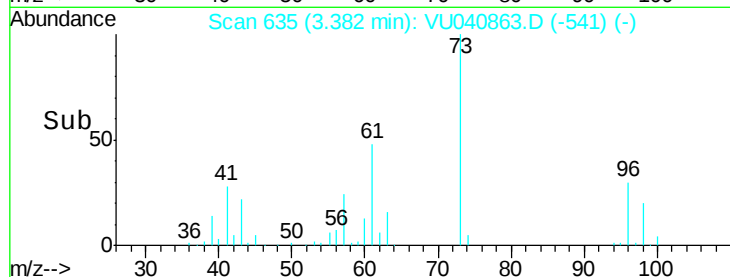
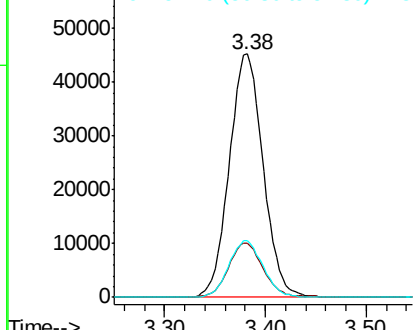
Methvl tert-butvl Ether
 Concen: 4.464 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 73 Resp: 105490
 Ion Ratio Lower Upper
 73 100
 43 22.8 18.2 27.4
 57 23.5 18.6 28.0



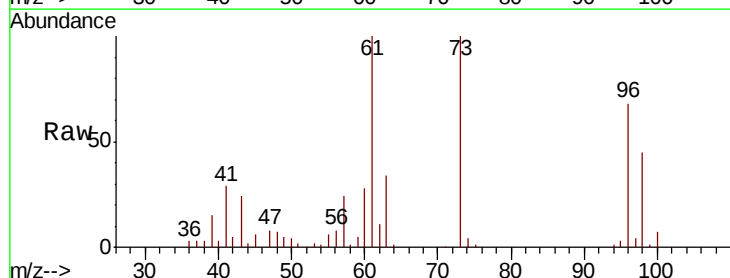
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



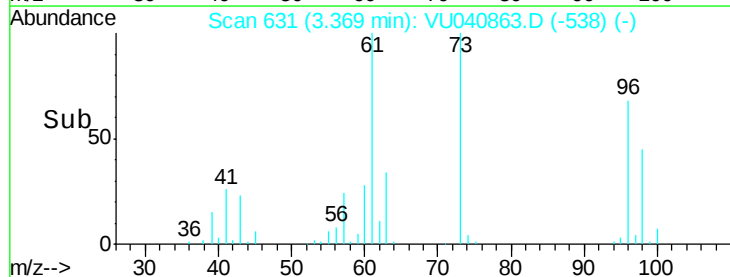
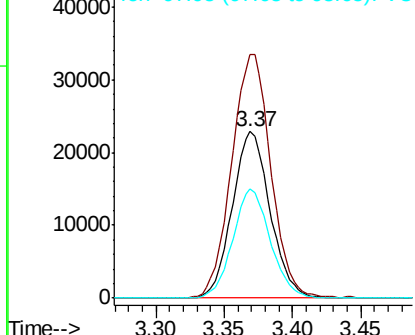
#18

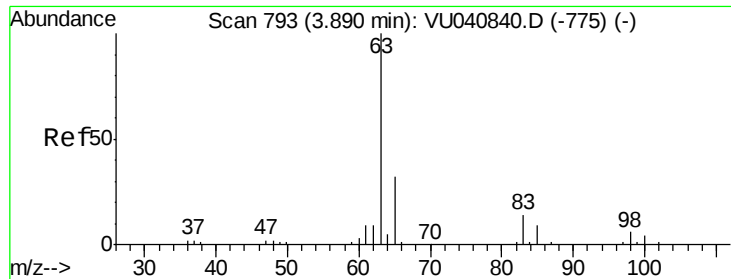
trans-1,2-Dichloroethene
 Concen: 5.032 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 96 Resp: 44027
 Ion Ratio Lower Upper
 96 100
 61 146.4 105.9 196.7
 98 65.7 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

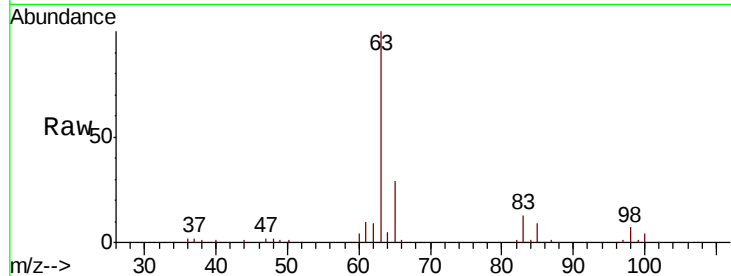




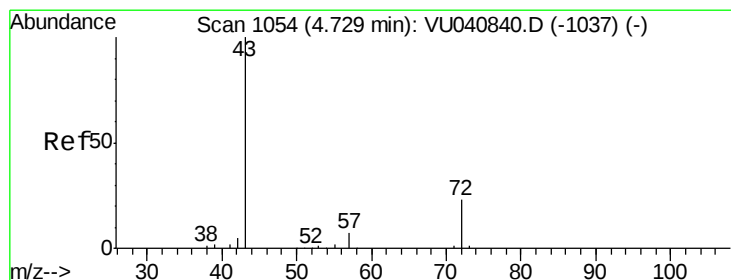
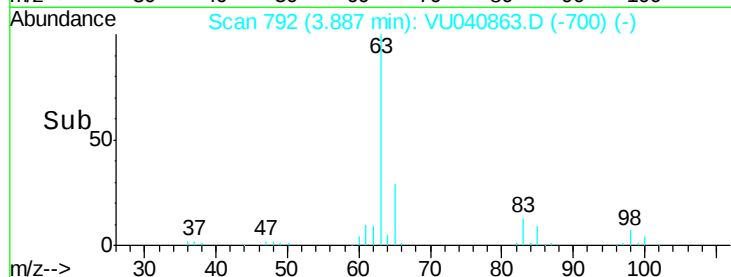
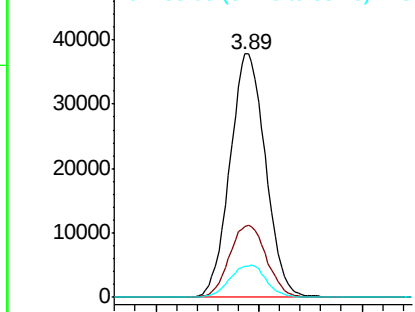
#19
 1,1-Dichloroethane
 Concen: 5.015 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 63 Resp: 90745
 Ion Ratio Lower Upper
 63 100
 65 29.2 21.9 40.7
 83 12.6 9.6 17.8

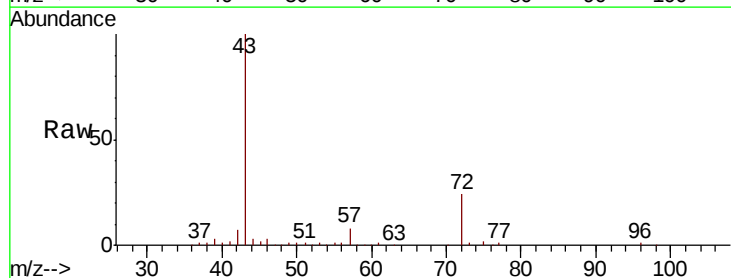


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

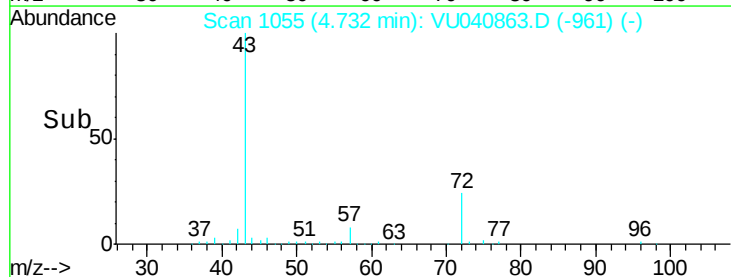
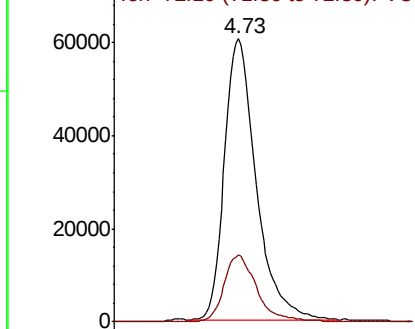


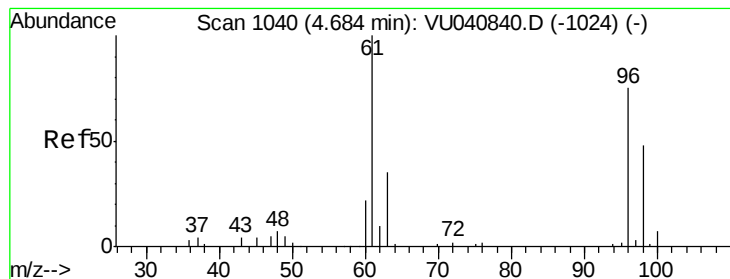
#21
 2-Butanone
 Concen: 45.632 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 43 Resp: 171281
 Ion Ratio Lower Upper
 43 100
 72 24.6 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: 5.143 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

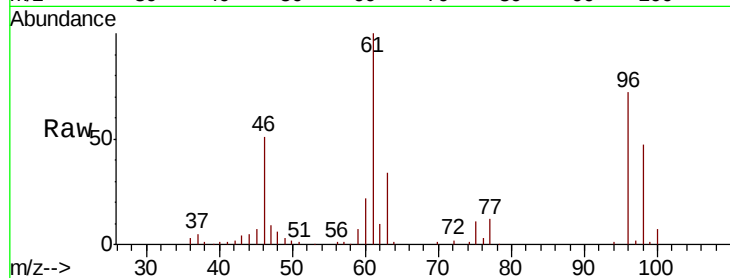
Tot Ion: 96 Resp: 48524

Ion Ratio Lower Upper

96 100

61 138.9 99.8 185.4

68 0.0 0.0 0.0

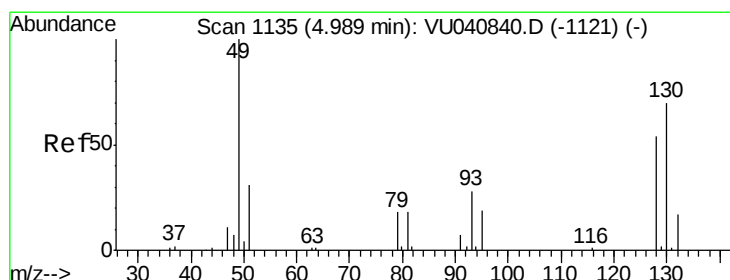
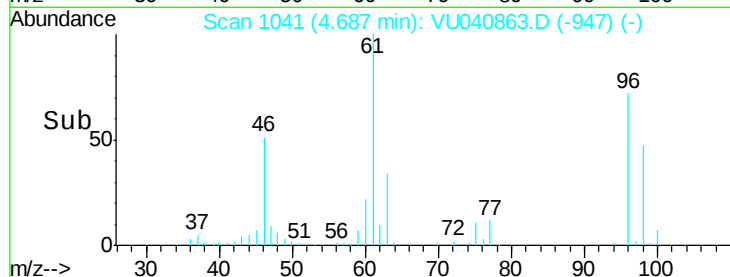
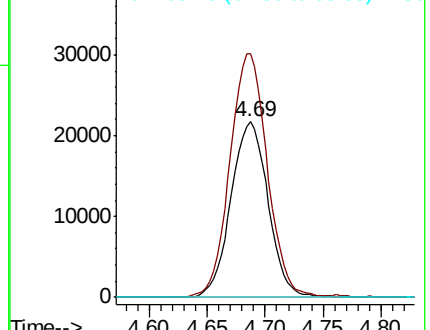


Abundance

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: 5.033 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Tgt Ion: 128 Resp: 23592

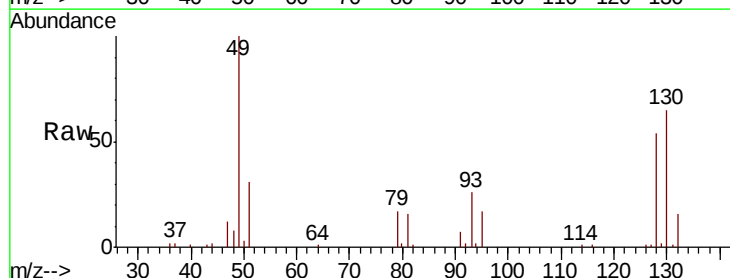
Ion Ratio Lower Upper

128 100

49 185.6 132.2 245.4

130 121.0 89.2 165.8

51 58.3 45.3 67.9



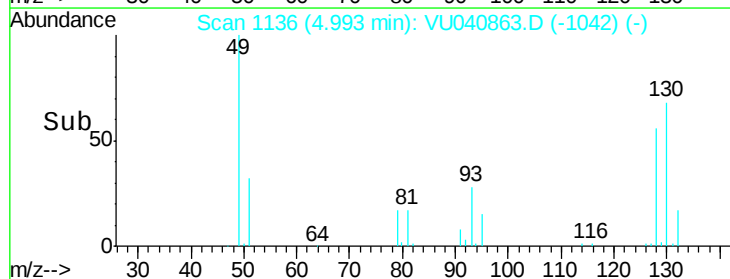
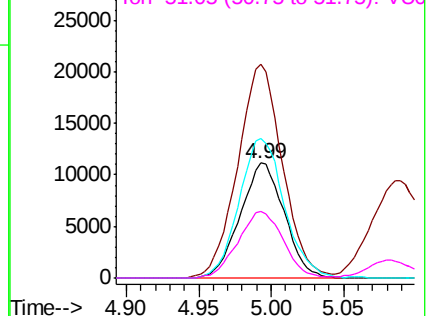
Abundance

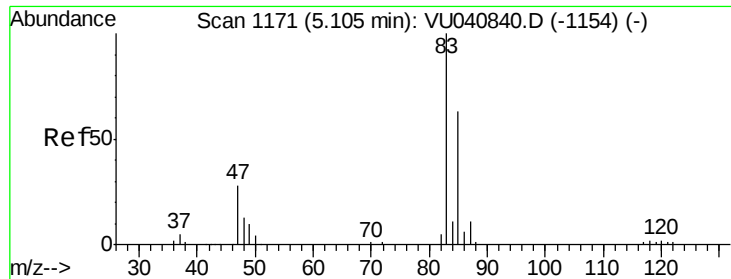
Ion 127.90 (127.60 to 128.60): V

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

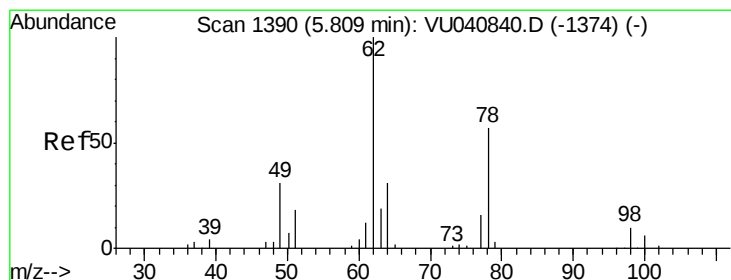
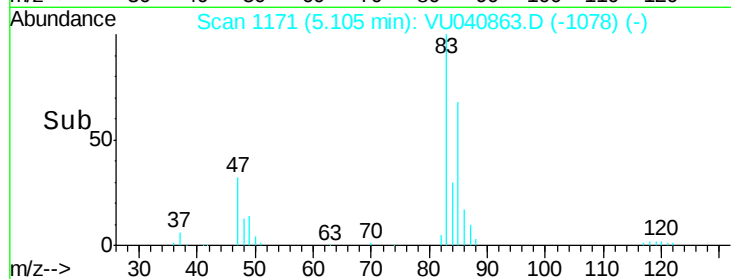
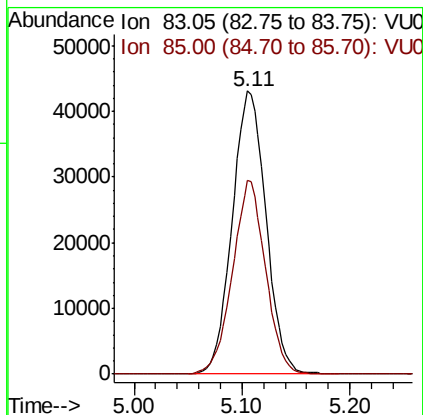
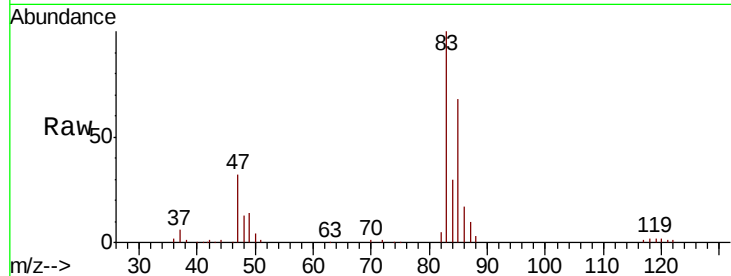




#25
Chloroform
Concen: 5.091 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

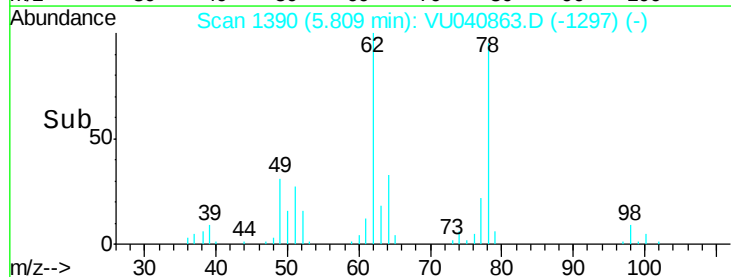
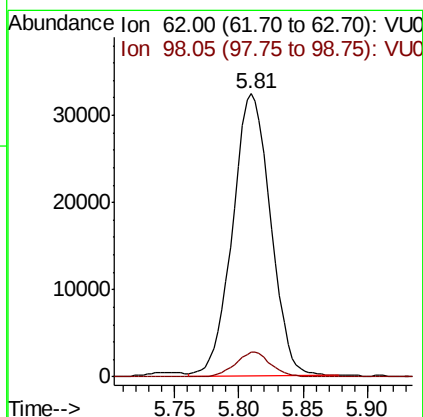
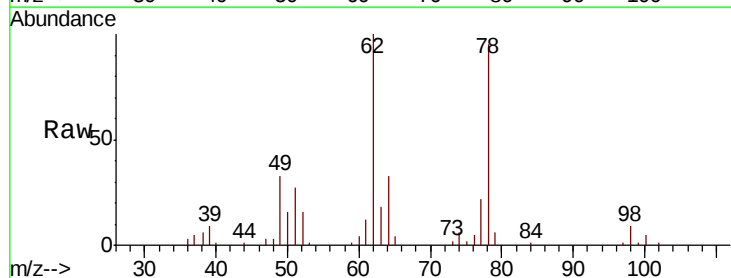
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

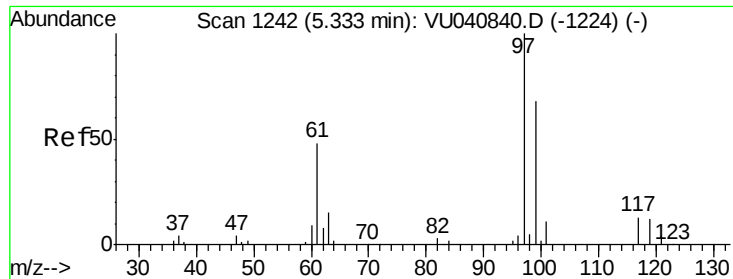
Tot Ion: 83 Resp: 94055
Ion Ratio Lower Upper
83 100
85 68.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.079 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

Tgt Ion: 62 Resp: 66405
Ion Ratio Lower Upper
62 100
98 8.8 6.6 10.0

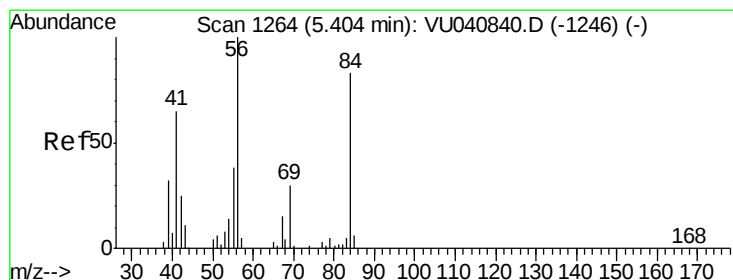
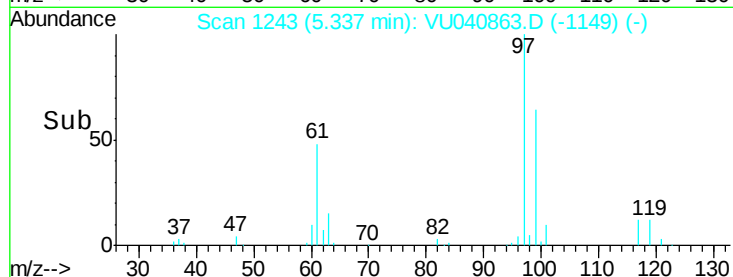
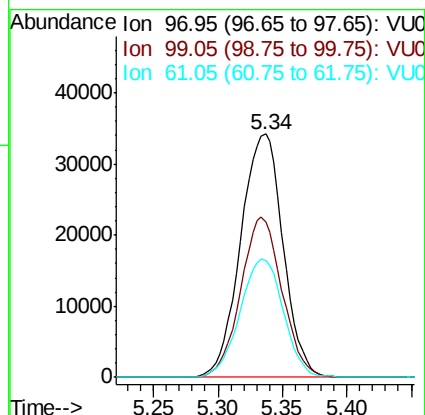
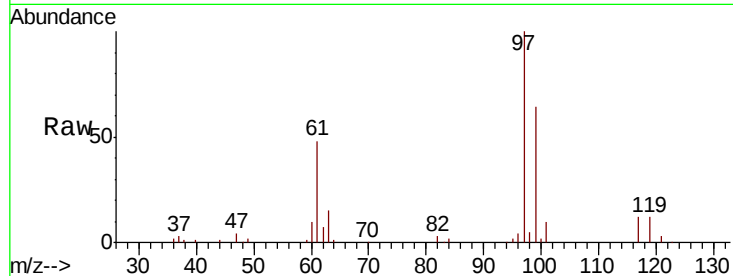




#29
 1,1,1-Trichloroethane
 Concen: 4.795 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

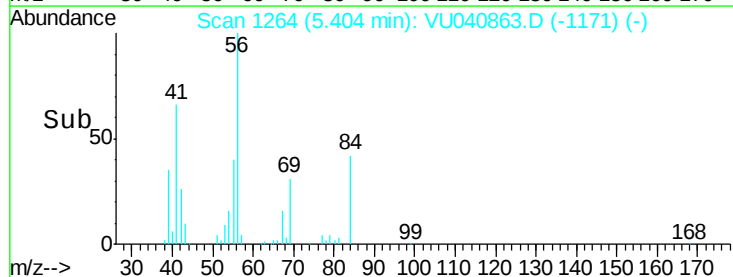
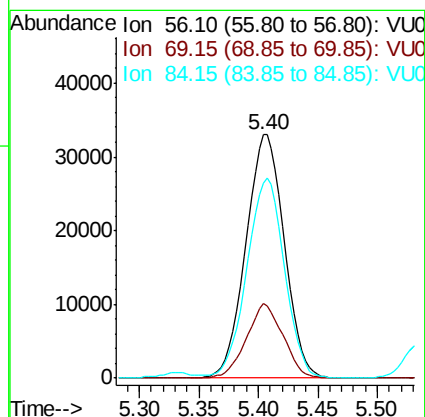
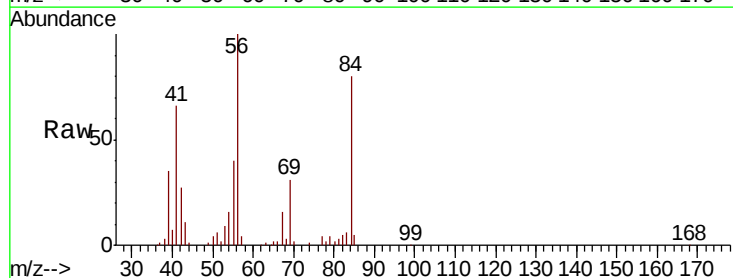
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

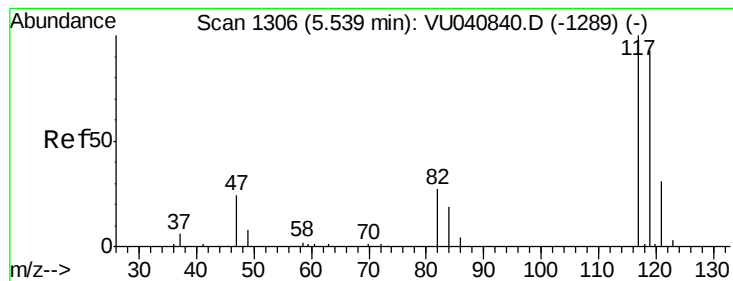
Tot Ion: 97 Resp: 78398
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.3 76.9
 61 49.7 39.4 59.2



#30
 Cyclohexane
 Concen: 4.901 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 56 Resp: 73844
 Ion Ratio Lower Upper
 56 100
 69 28.9 23.8 35.8
 84 80.6 64.0 96.0





#31

Carbon tetrachloride

Concen: 4.887 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

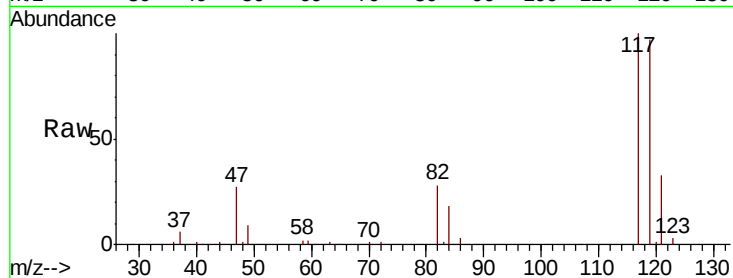
VSTD00521

Tot Ion:117 Resp: 68384

Ion Ratio Lower Upper

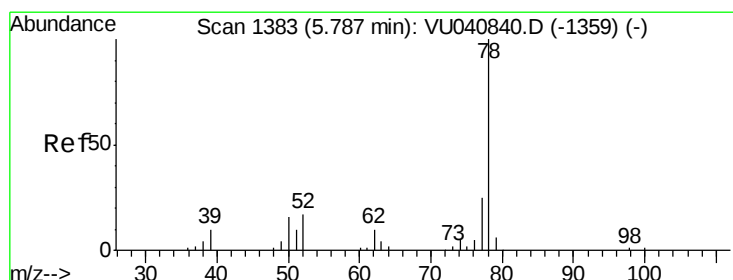
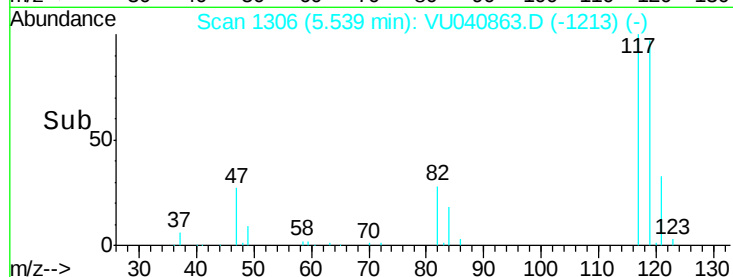
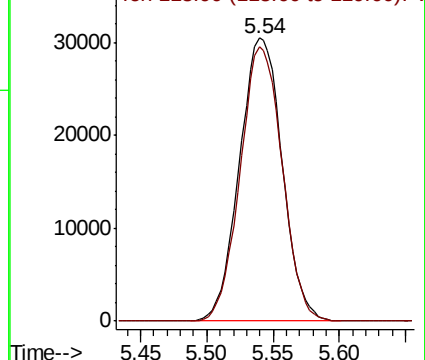
117 100

119 95.0 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: 5.004 ug/L

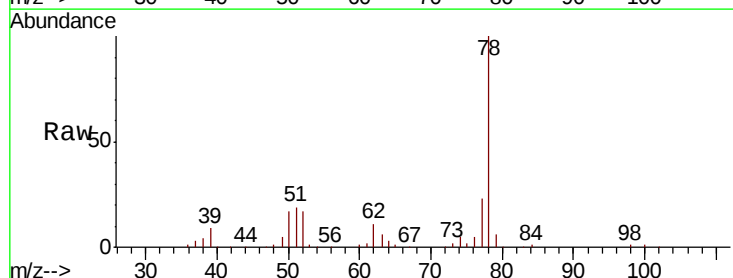
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

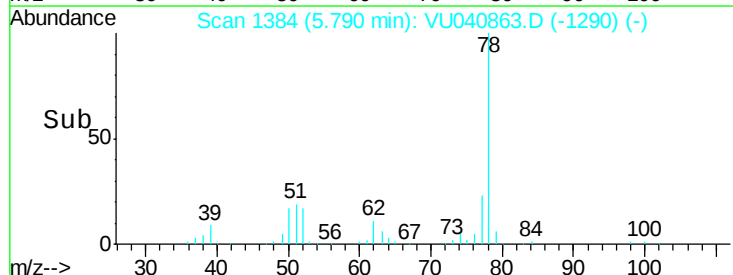
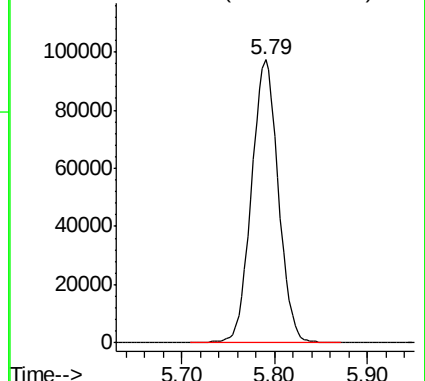
Lab File: VU040863.D

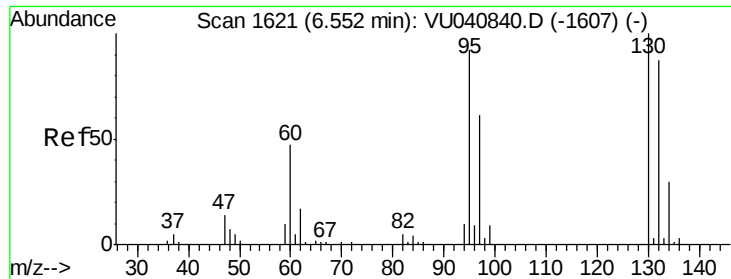
Acq: 20 Oct 2020 21:49

Tgt Ion: 78 Resp: 195611



Abundance Ion 78.10 (77.80 to 78.80): VU0

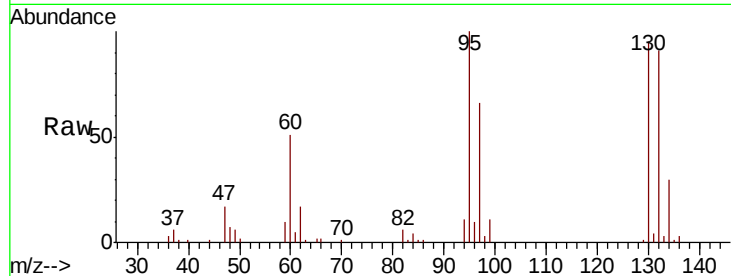




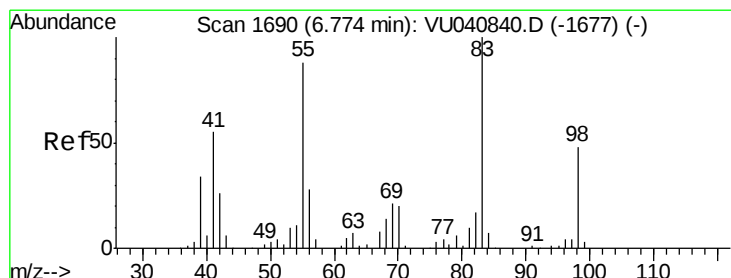
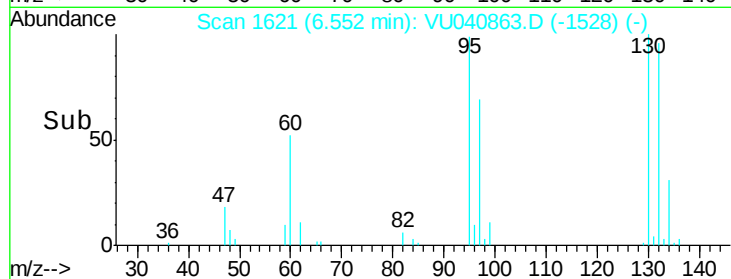
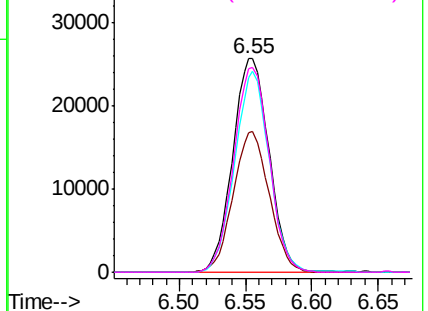
#34
 Trichloroethene
 Concen: 4.839 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion: 95 Resp: 49031
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.5 84.5
 132 91.1 67.5 125.4
 130 95.1 69.9 129.9

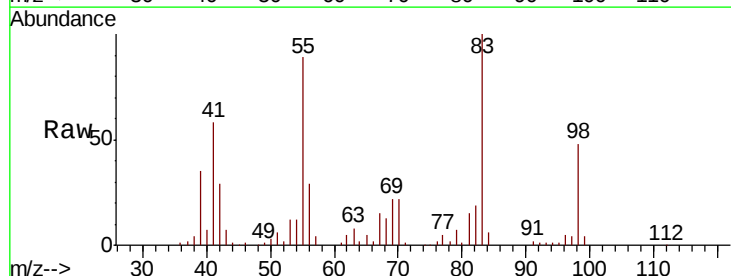


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

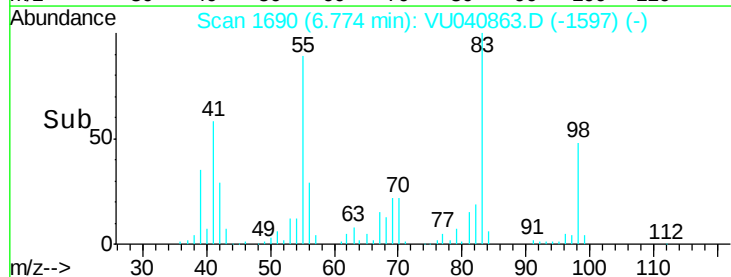
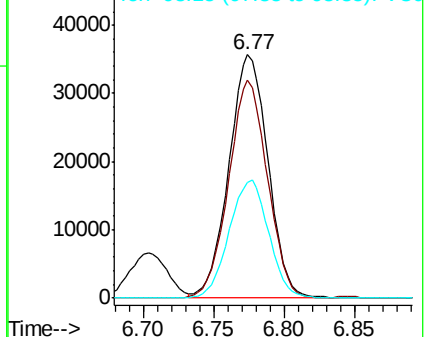


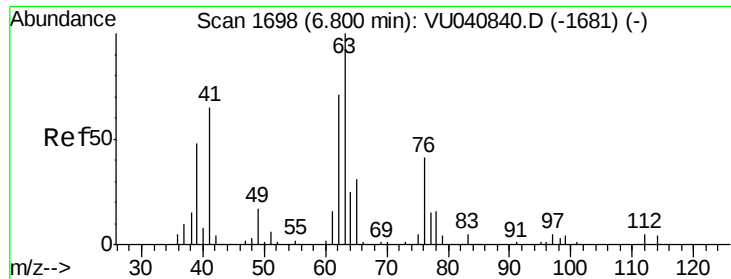
#35
 Methylcyclohexane
 Concen: 4.814 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 83 Resp: 69183
 Ion Ratio Lower Upper
 83 100
 55 88.9 70.7 106.1
 98 49.1 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: 4.841 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

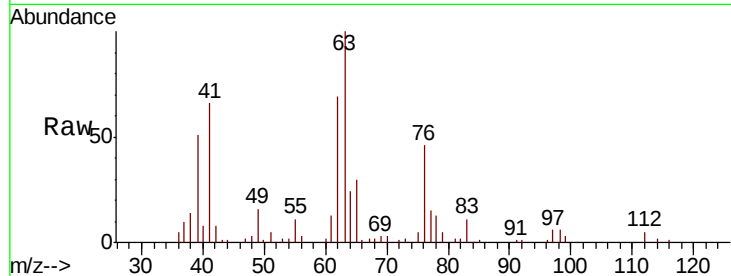
VSTD00521

Tot Ion: 63 Resp: 52735

Ion Ratio Lower Upper

63 100

112 4.0 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040840.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040840.D (-1681) (-)

6.80

30000

25000

20000

15000

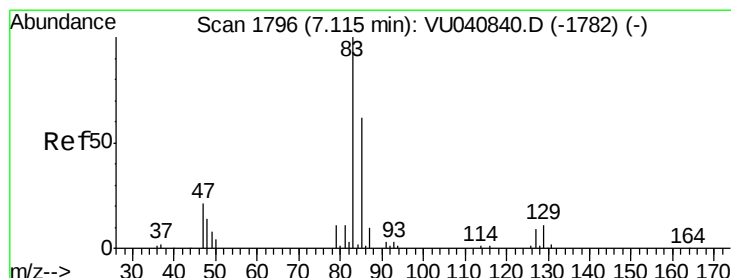
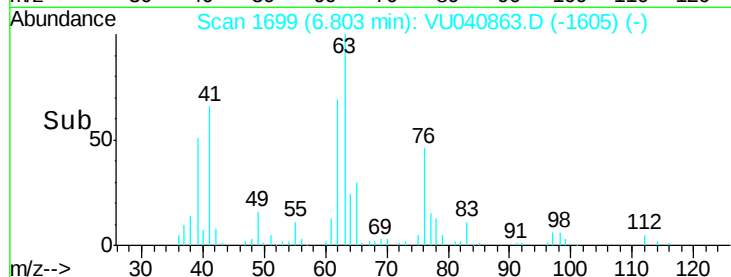
10000

5000

0

Time-->

6.70 6.75 6.80 6.85 6.90



#38

Bromodichloromethane

Concen: 4.823 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

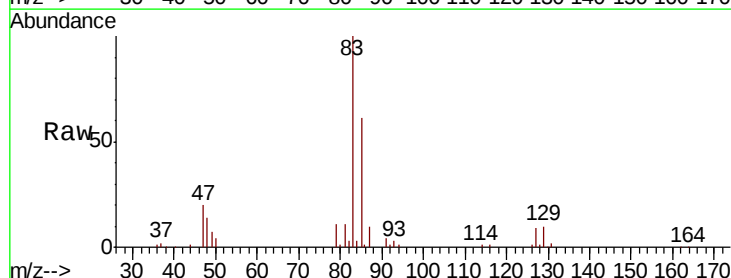
Tgt Ion: 83 Resp: 67152

Ion Ratio Lower Upper

83 100

85 61.2 46.0 85.4

127 8.7 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040840.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU040840.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU040840.D (-1782) (-)

7.11

50000

40000

30000

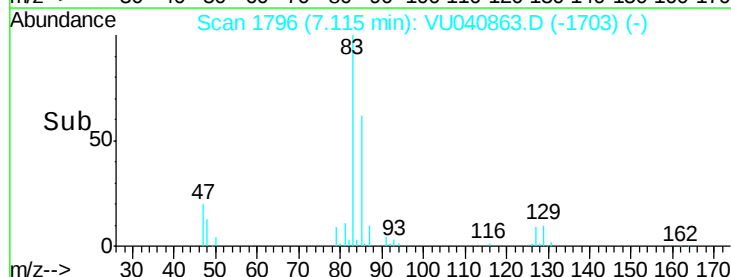
20000

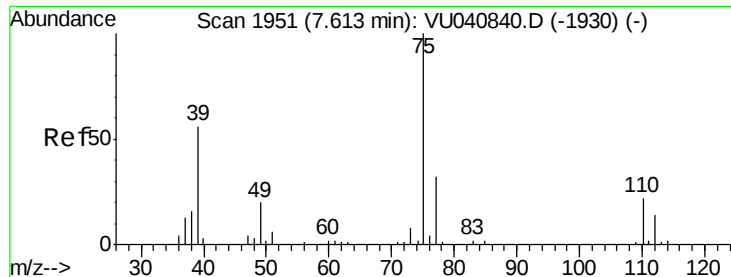
10000

0

Time-->

7.05 7.10 7.15 7.20

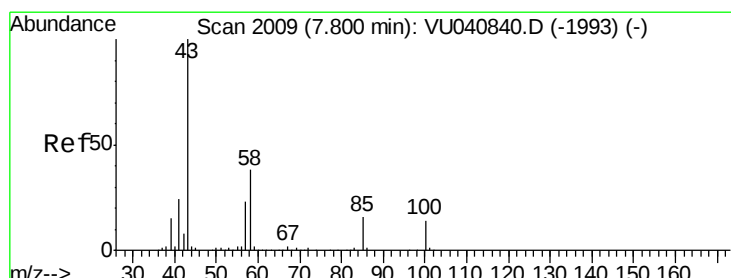
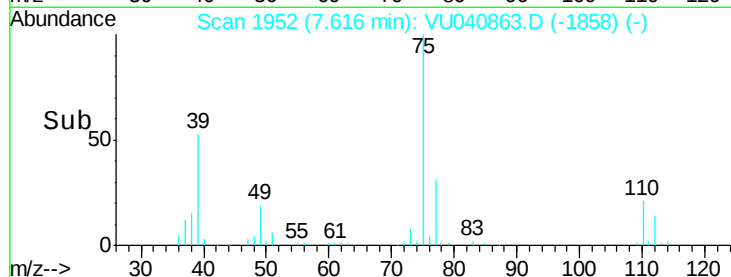
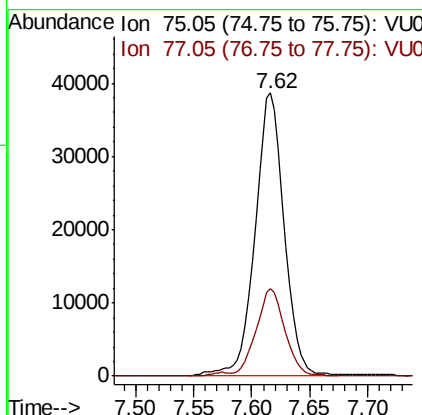
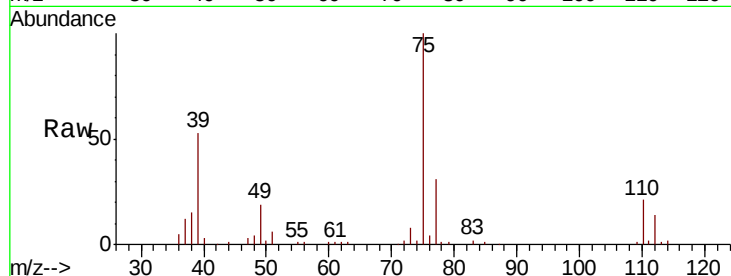




#39
 cis-1,3-Dichloropropene
 Concen: 4.563 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

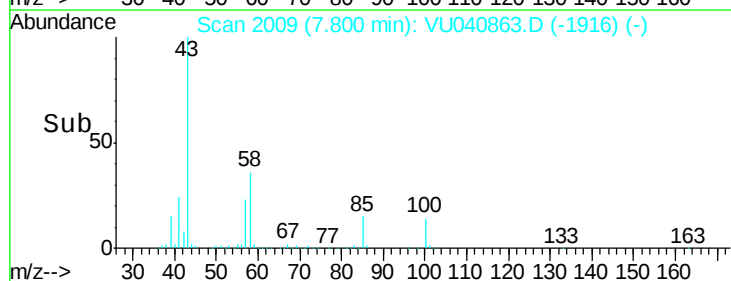
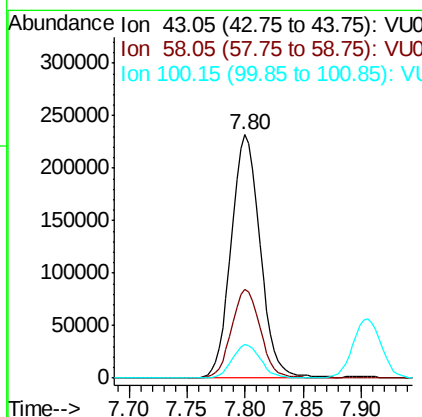
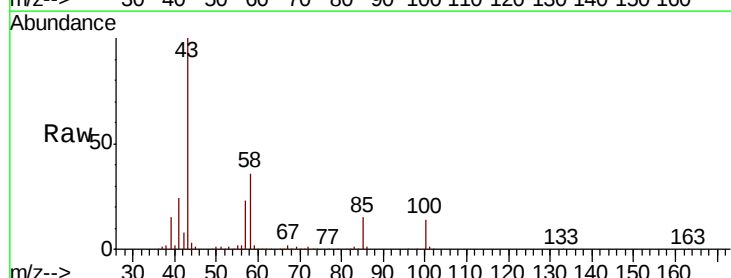
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

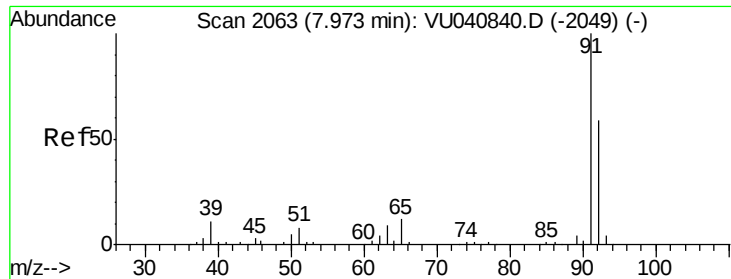
Tot Ion: 75 Resp: 67912
 Ion Ratio Lower Upper
 75 100
 77 30.9 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 46.358 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion: 43 Resp: 402563
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.7 44.5
 100 13.6 10.7 16.1





#42

Toluene

Concen: 5.047 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

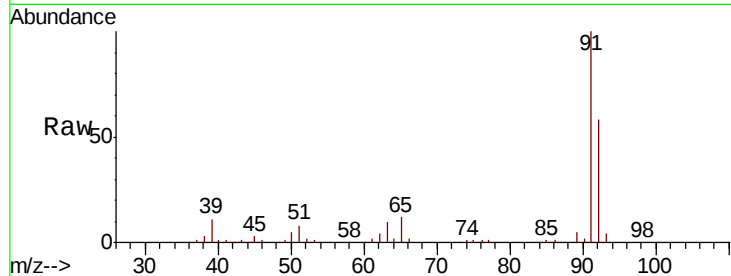
VSTD00521

Tot Ion: 91 Resp: 201035

Ion Ratio Lower Upper

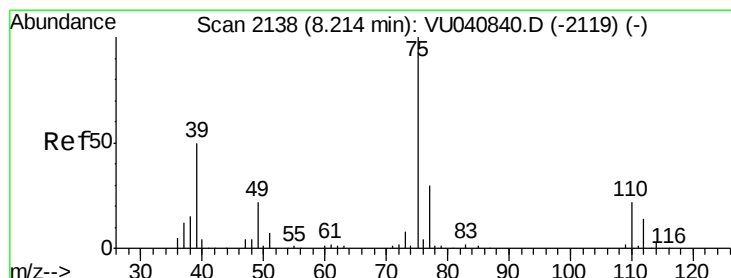
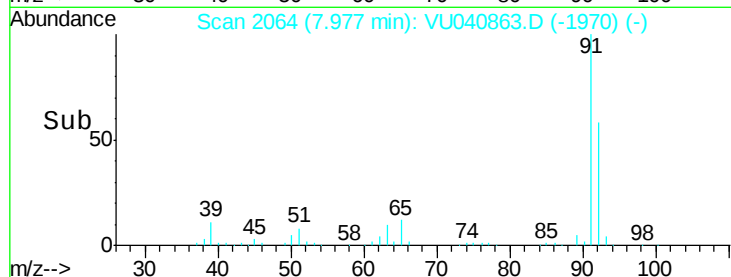
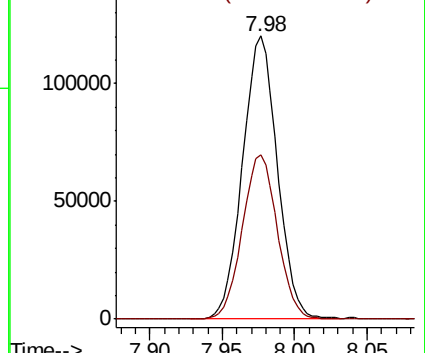
91 100

92 58.1 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: 4.585 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040863.D

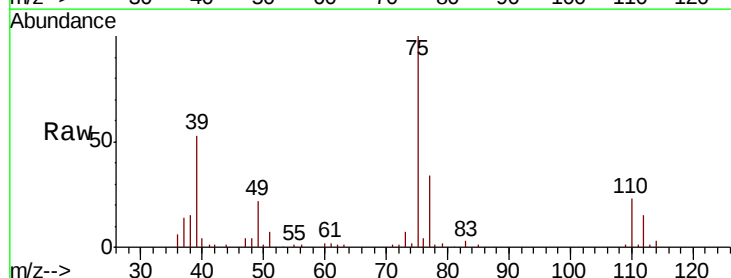
Acq: 20 Oct 2020 21:49

Tgt Ion: 75 Resp: 62810

Ion Ratio Lower Upper

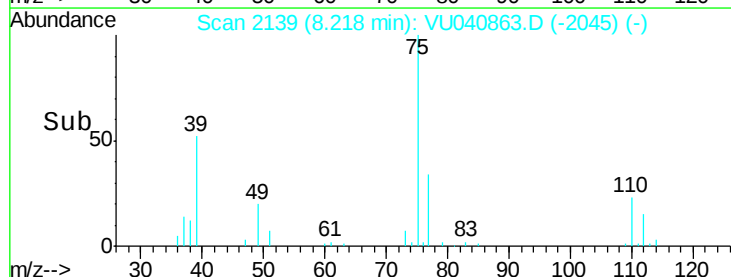
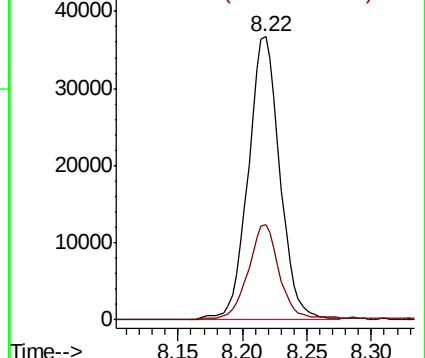
75 100

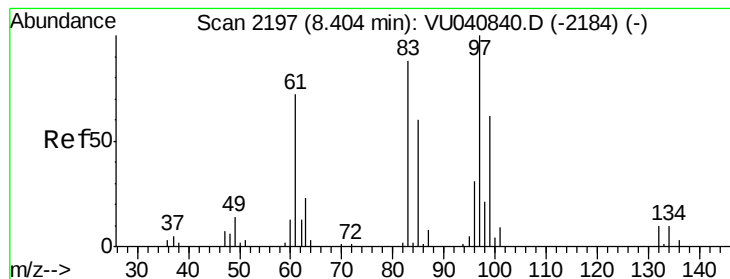
77 33.8 20.4 38.0



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: 4.676 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tot Ion: 97 Resp: 38147

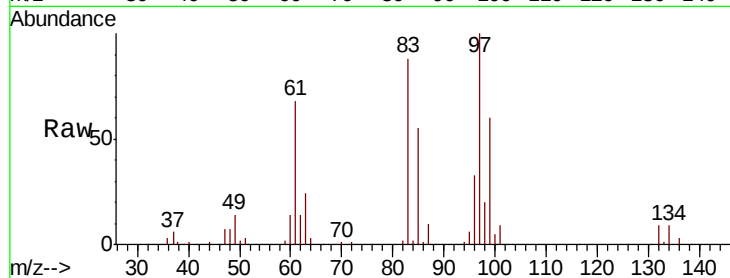
Ion Ratio Lower Upper

97 100

99 60.2 44.0 81.6

83 88.2 62.9 116.9

85 55.0 40.3 74.8

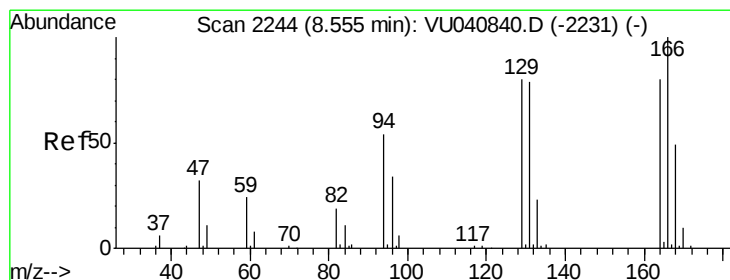
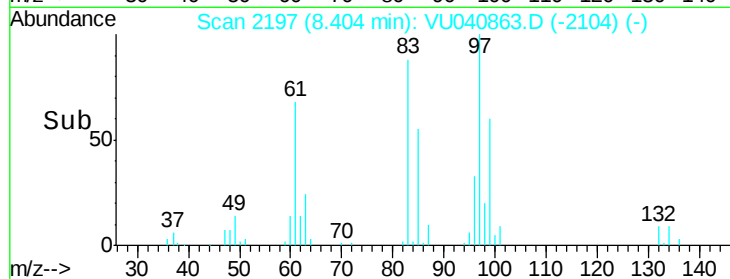
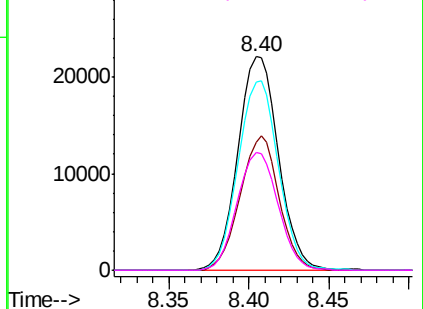


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.163 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Tgt Ion: 164 Resp: 37325

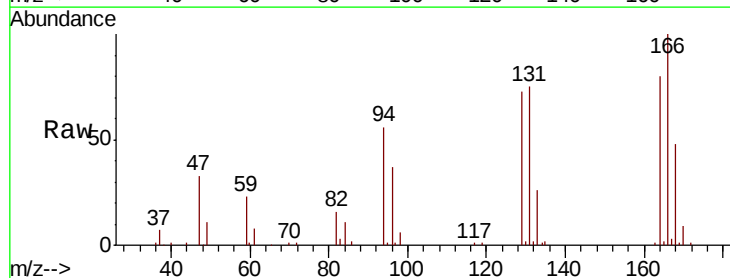
Ion Ratio Lower Upper

164 100

129 92.4 68.8 127.8

131 94.3 66.7 123.9

166 125.7 83.9 155.7

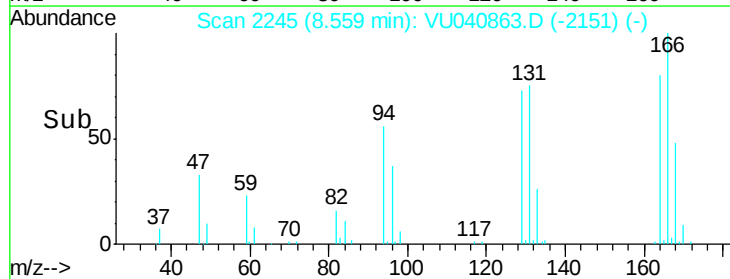
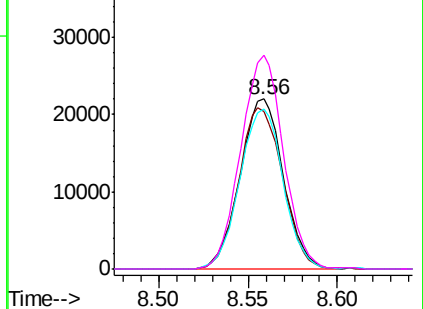


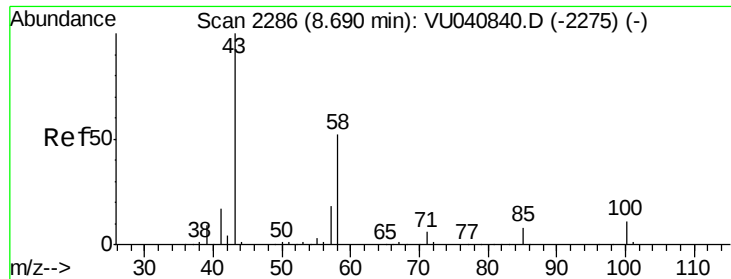
Abundance Ion 163.90 (163.60 to 164.60): V

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

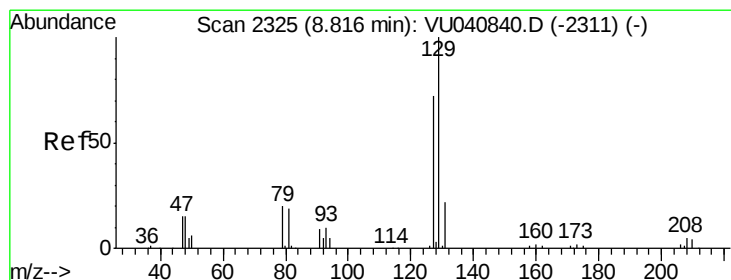
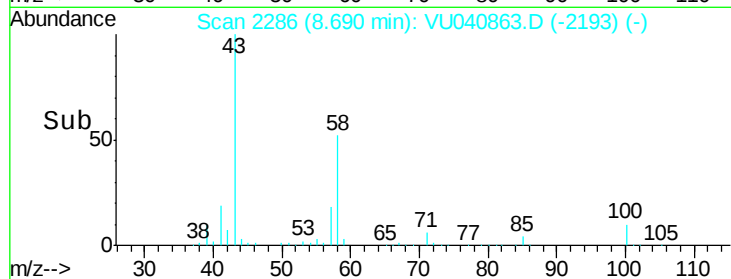
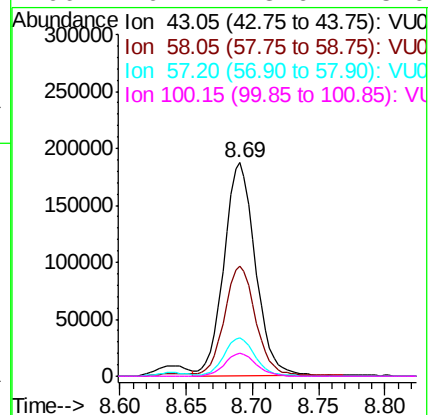
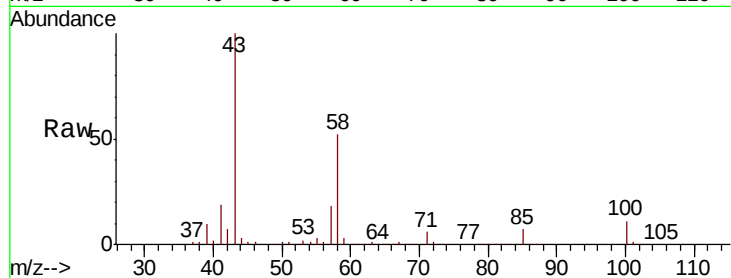




#48
2-Hexanone
Concen: 47.653 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

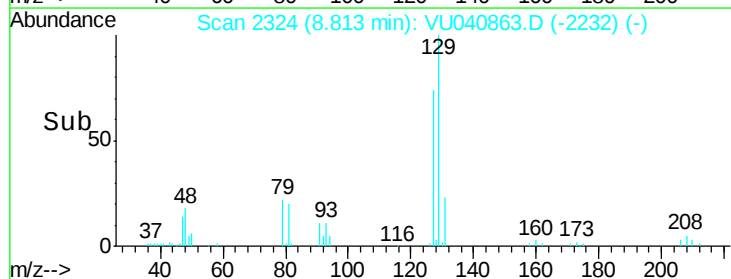
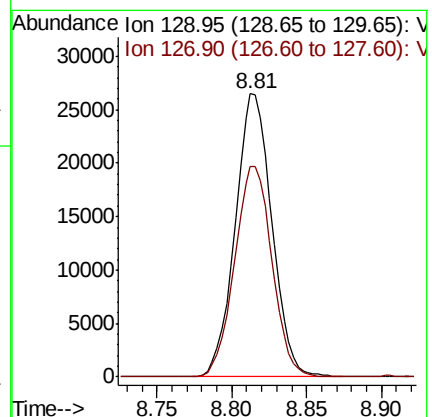
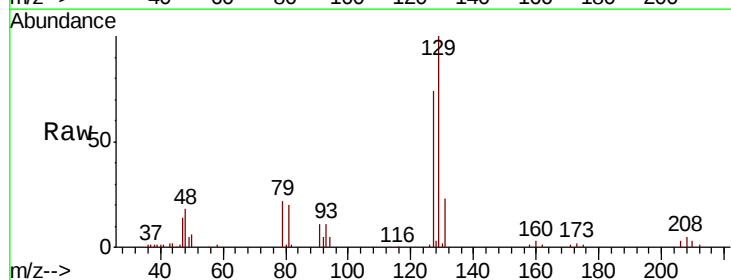
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

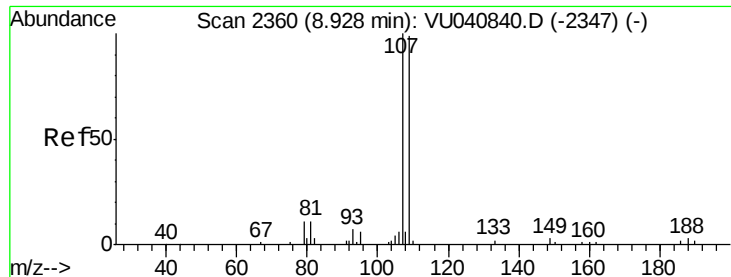
Tot Ion: 43 Resp: 308093
Ion Ratio Lower Upper
43 100
58 51.2 41.0 61.6
57 17.8 14.4 21.6
100 10.7 8.6 13.0



#49
Dibromochloromethane
Concen: 4.808 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

Tgt Ion: 129 Resp: 45132
Ion Ratio Lower Upper
129 100
127 74.4 55.8 103.6

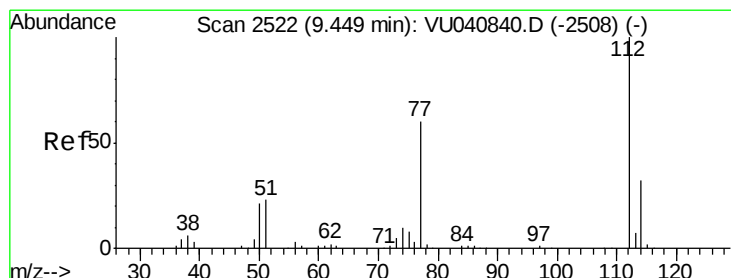
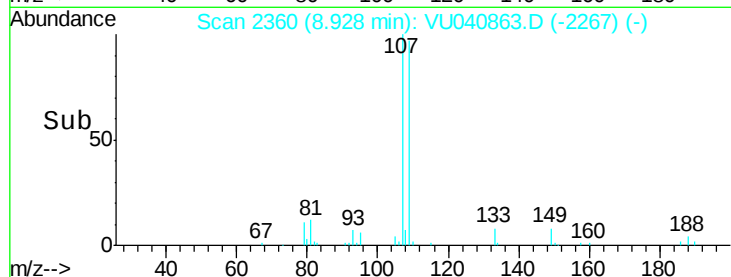
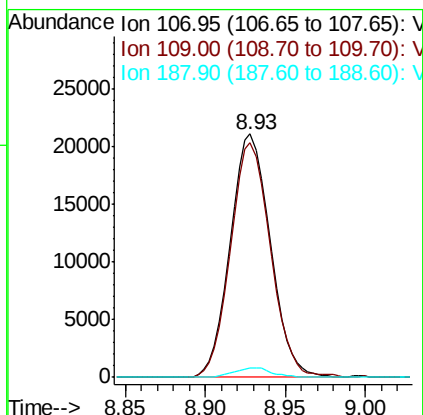
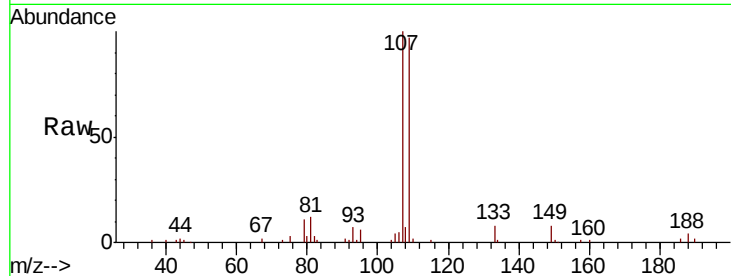




#50
 1,2-Dibromoethane
 Concen: 4.662 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

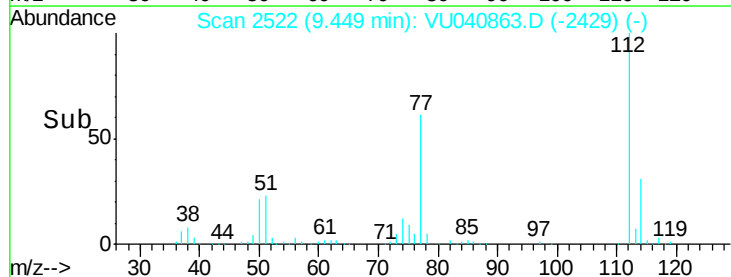
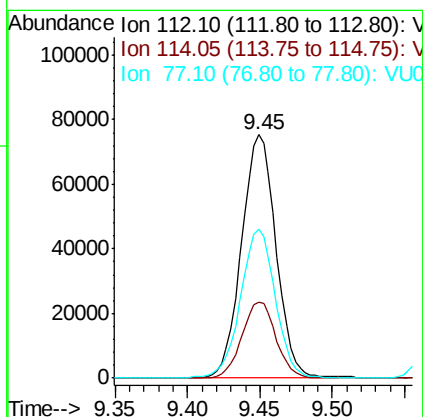
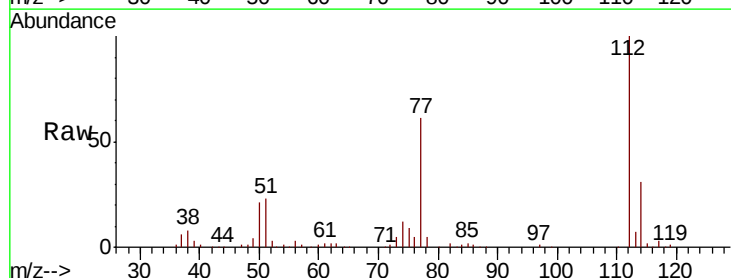
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00521

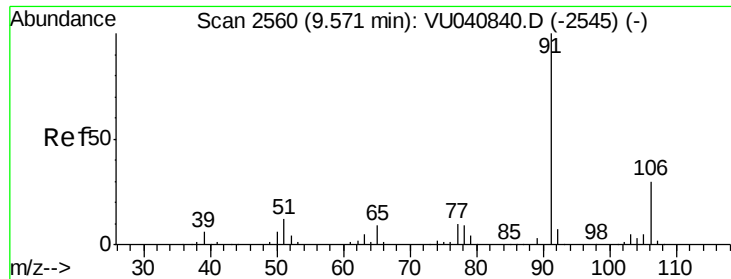
Tot Ion:107 Resp: 36074
 Ion Ratio Lower Upper
 107 100
 109 96.6 65.7 121.9
 188 4.0 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.741 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion:112 Resp: 124401
 Ion Ratio Lower Upper
 112 100
 114 31.4 23.1 42.9
 77 61.1 50.3 75.5





#52

Ethylbenzene

Concen: 4.692 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampled :

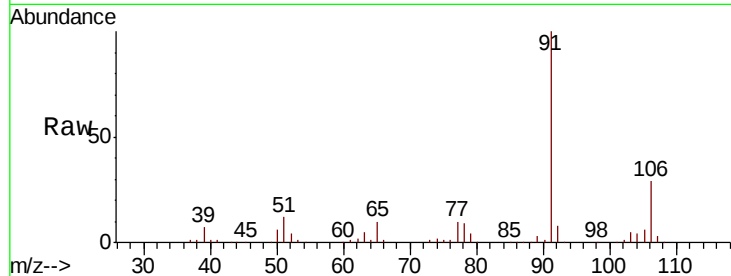
VSTD00521

Tot Ion: 91 Resp: 202288

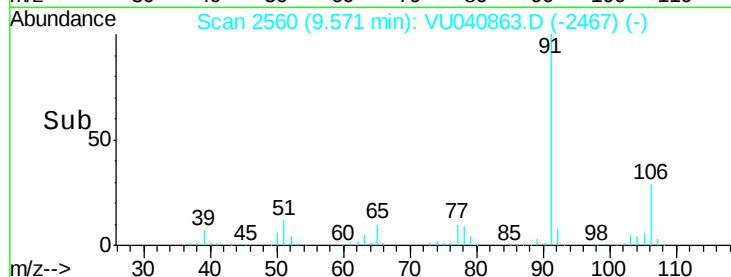
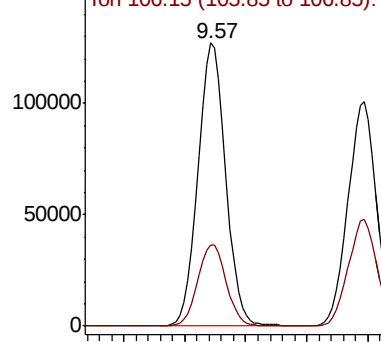
Ion Ratio Lower Upper

91 100

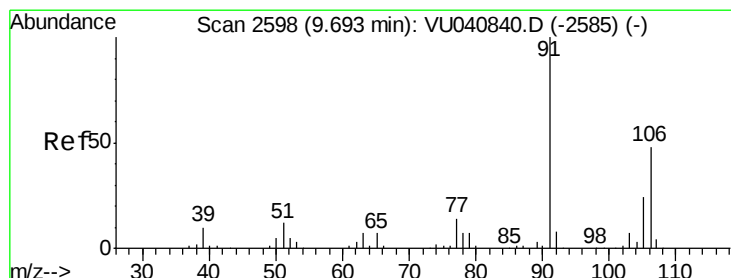
106 28.8 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040863.D (-2467) (-)



Time-->



#53

m,p-Xylene

Concen: 4.990 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040863.D

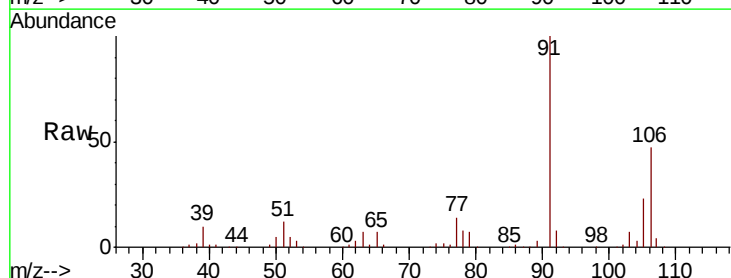
Acq: 20 Oct 2020 21:49

Tgt Ion: 106 Resp: 78411

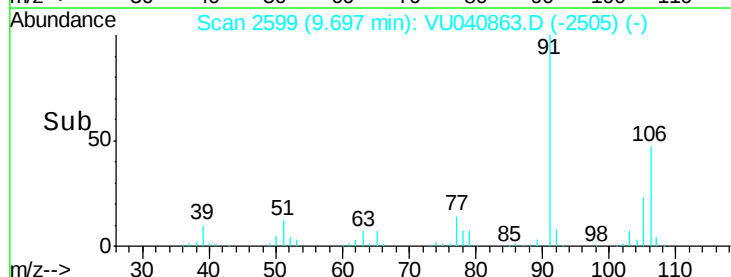
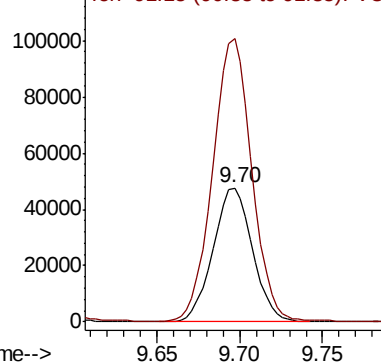
Ion Ratio Lower Upper

106 100

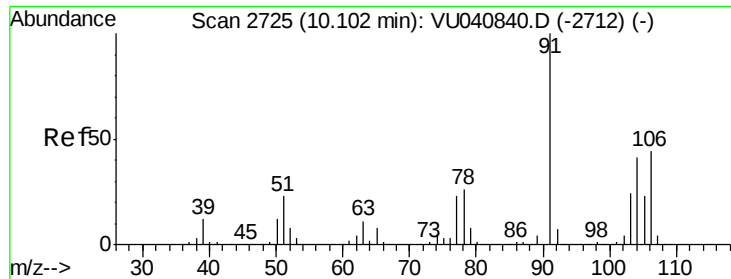
91 211.2 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040863.D (-2505) (-)



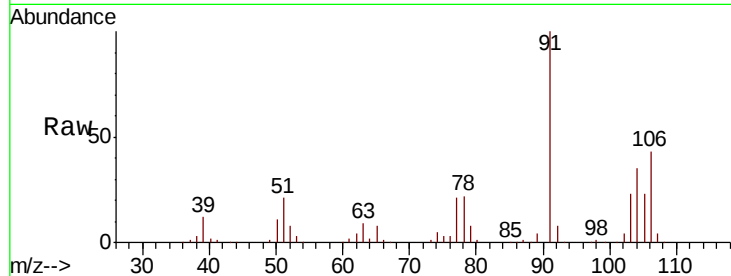
Time-->



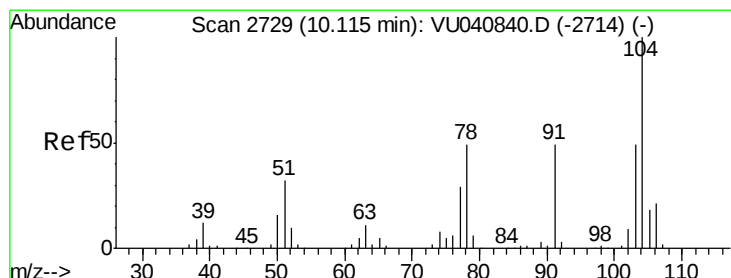
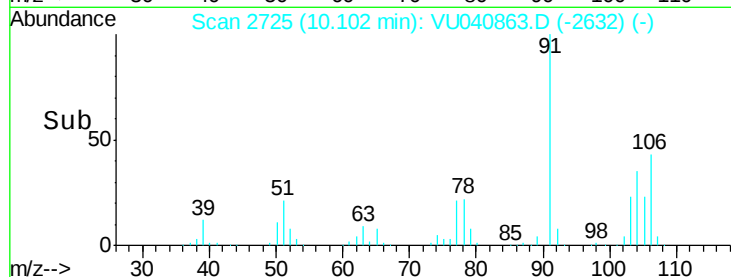
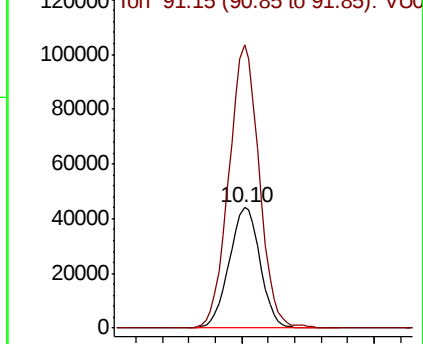
#54
o-Xylene
Concen: 4.733 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tot Ion:106 Resp: 71519
Ion Ratio Lower Upper
106 100
91 235.0 160.2 297.4

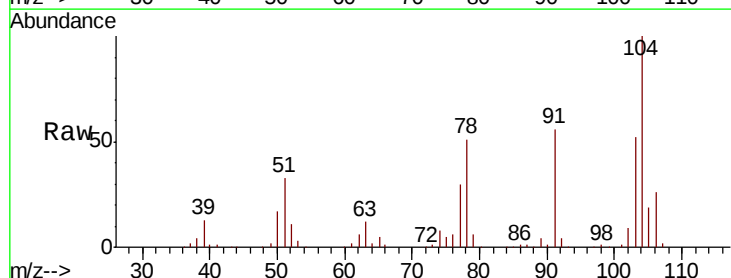


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

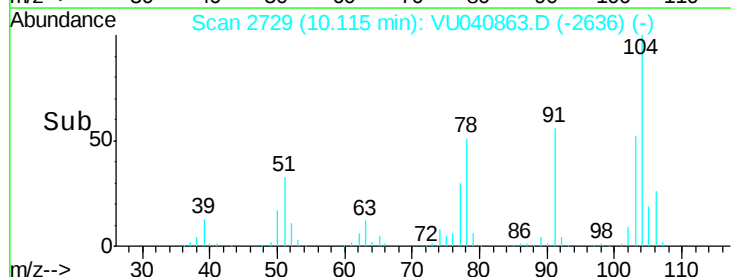
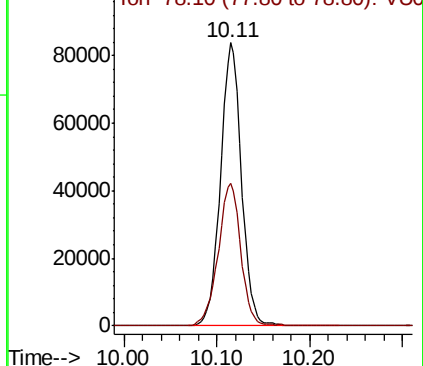


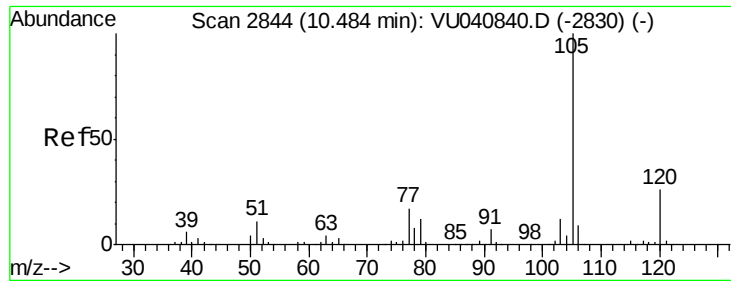
#55
Styrene
Concen: 4.990 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040863.D
Acq: 20 Oct 2020 21:49

Tgt Ion:104 Resp: 130948
Ion Ratio Lower Upper
104 100
78 50.6 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: 4.749 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

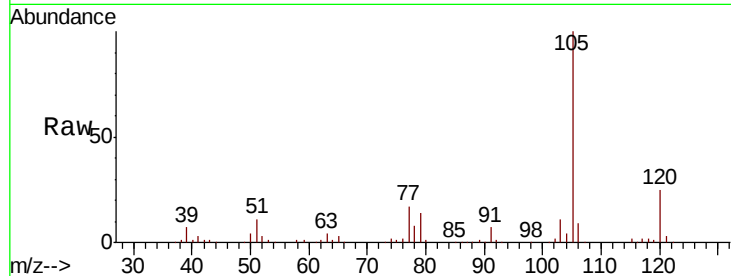
Tot Ion:105 Resp: 193195

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

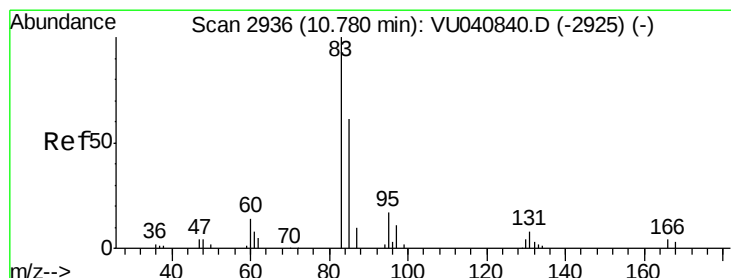
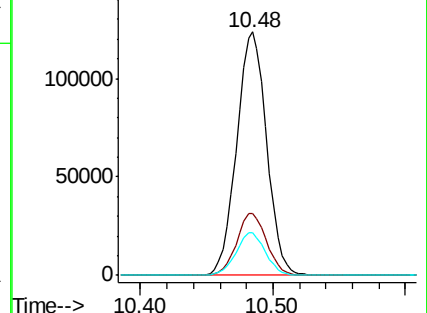
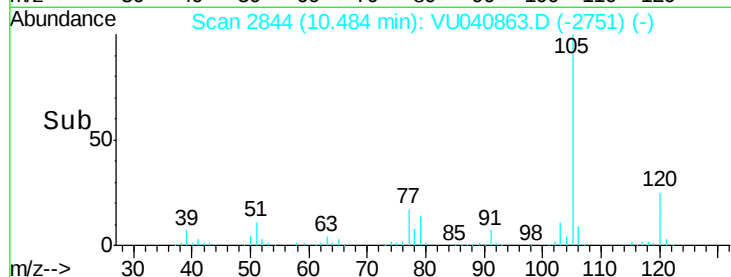
77 17.4 13.8 20.6



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: 4.790 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

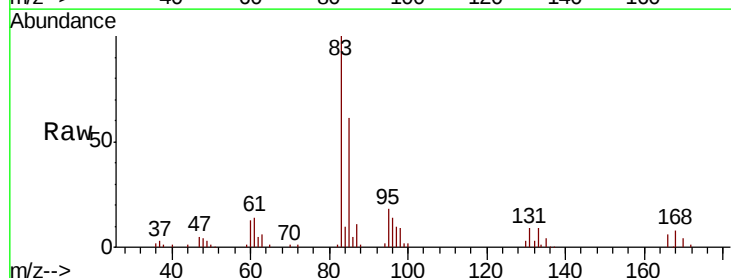
Tgt Ion: 83 Resp: 51299

Ion Ratio Lower Upper

83 100

85 60.6 45.6 84.6

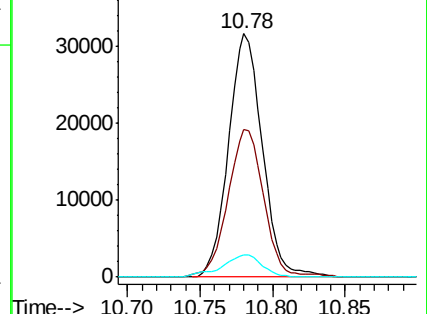
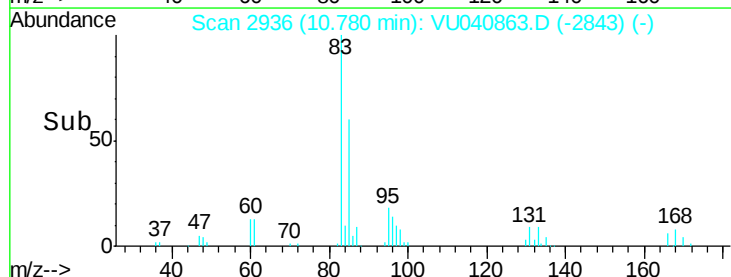
131 9.2 7.1 10.7

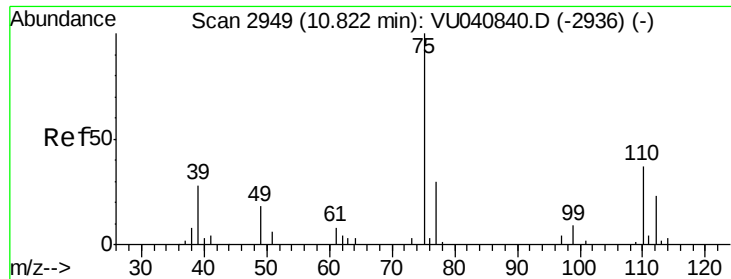


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.679 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

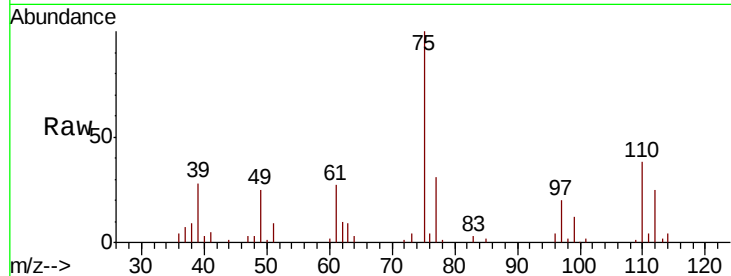
VSTD00521

Tot Ion: 75 Resp: 37433

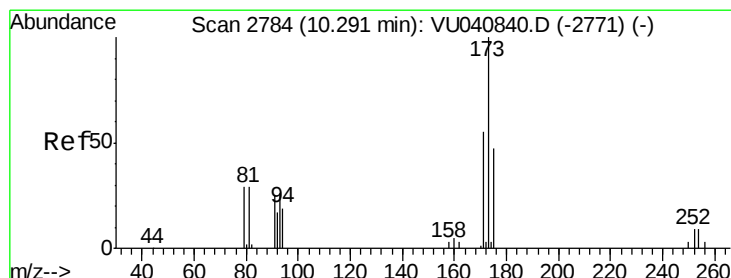
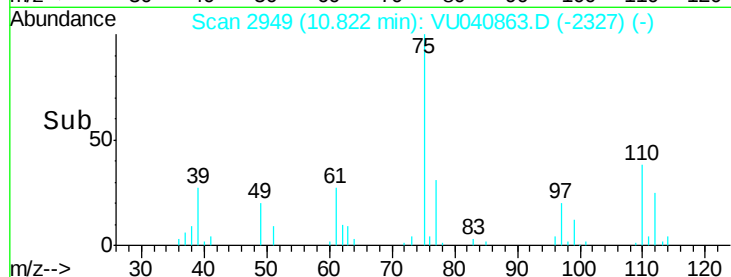
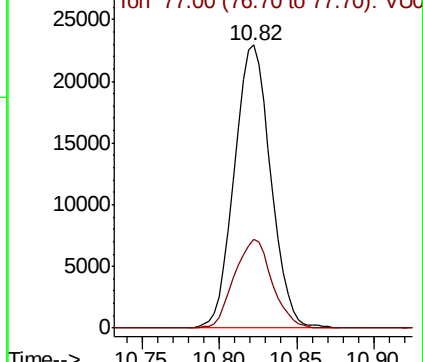
Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040840.D (-2936) (-)



#61

Bromoform

Concen: 4.564 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

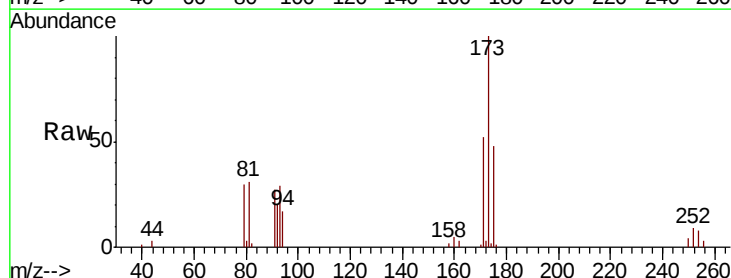
Tgt Ion: 173 Resp: 25221

Ion Ratio Lower Upper

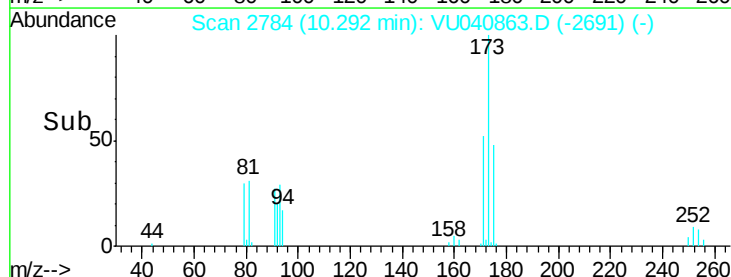
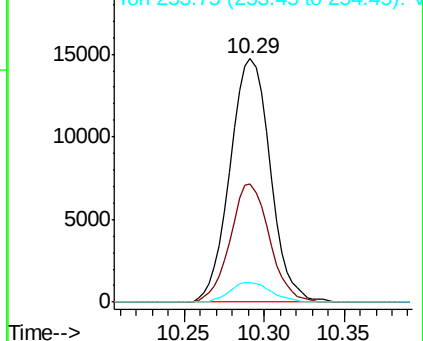
173 100

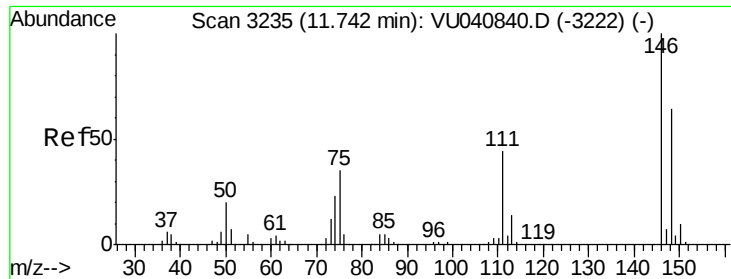
175 47.3 37.4 56.0

254 8.2 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040840.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 4.811 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

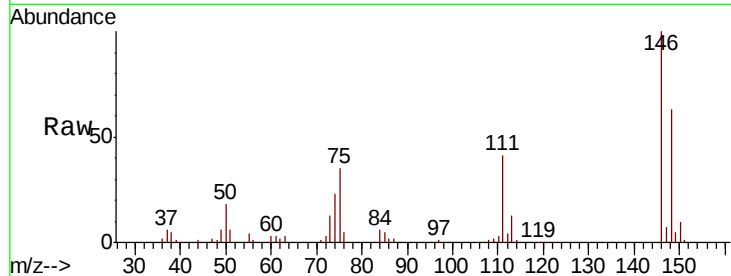
Tot Ion:146 Resp: 101504

Ion Ratio Lower Upper

146 100

111 40.5 28.8 53.6

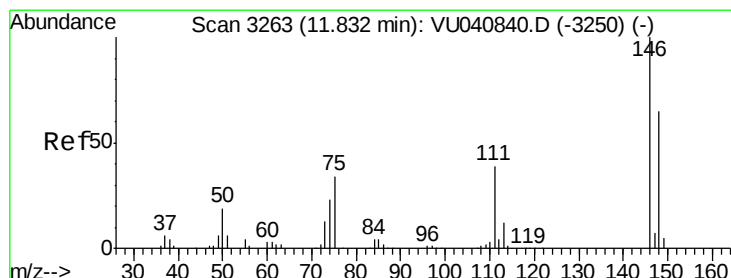
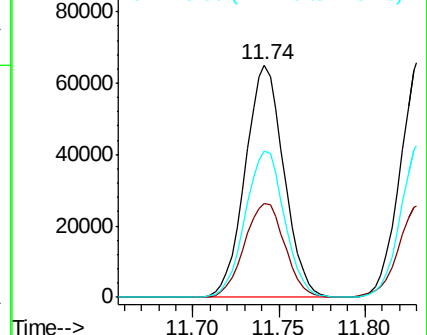
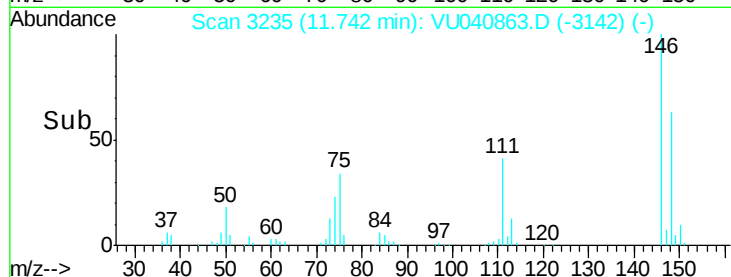
148 63.2 44.4 82.4



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: 4.739 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

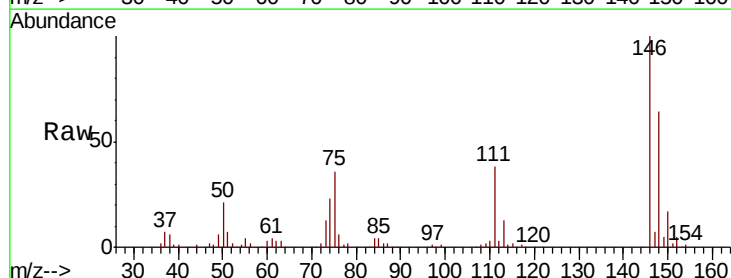
Tgt Ion:146 Resp: 103101

Ion Ratio Lower Upper

146 100

111 38.3 28.4 52.8

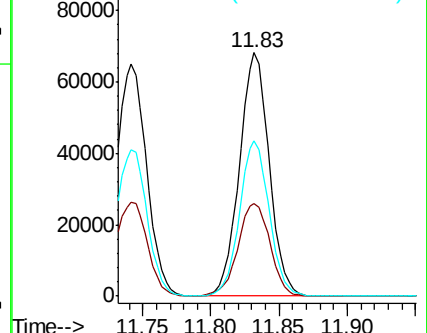
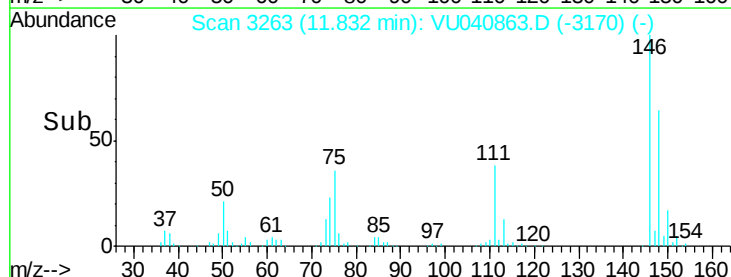
148 64.0 44.0 81.6

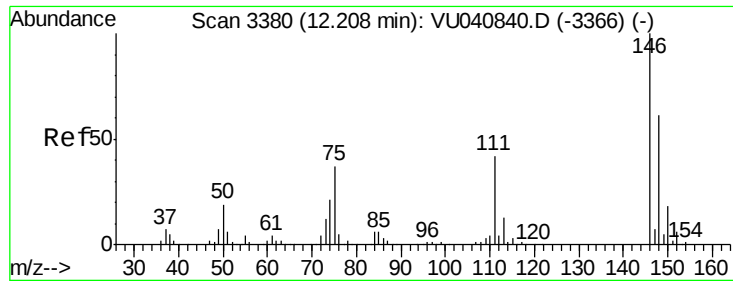


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.698 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

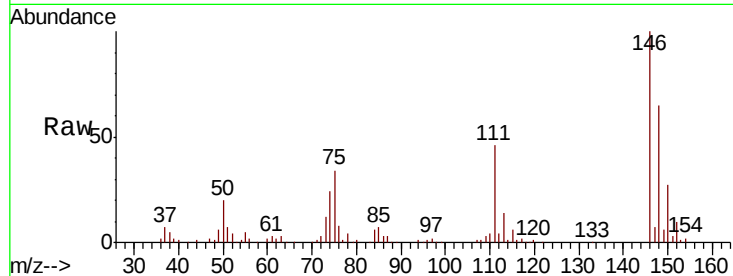
Tot Ion:146 Resp: 96901

Ion Ratio Lower Upper

146 100

111 46.0 34.4 51.6

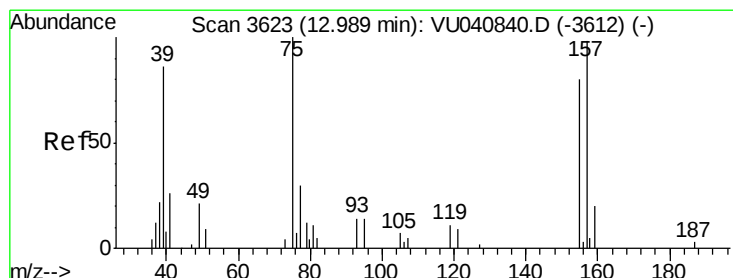
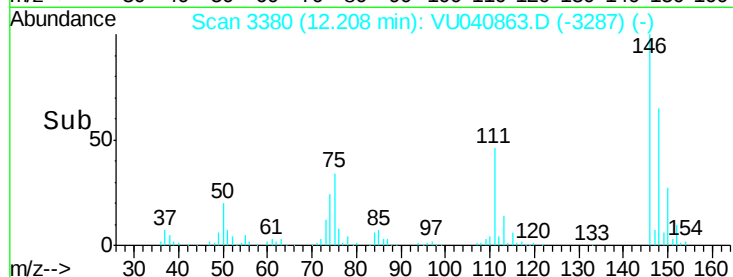
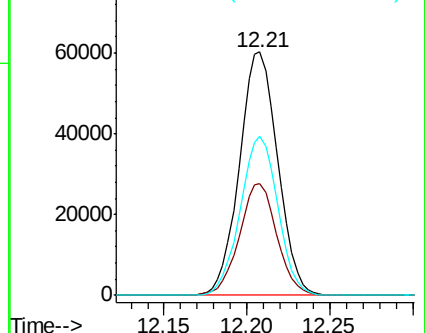
148 65.1 50.0 75.0



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: 4.584 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

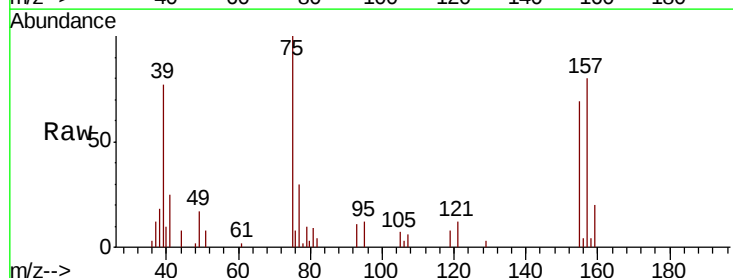
Tgt Ion: 75 Resp: 8278

Ion Ratio Lower Upper

75 100

155 68.8 53.8 80.6

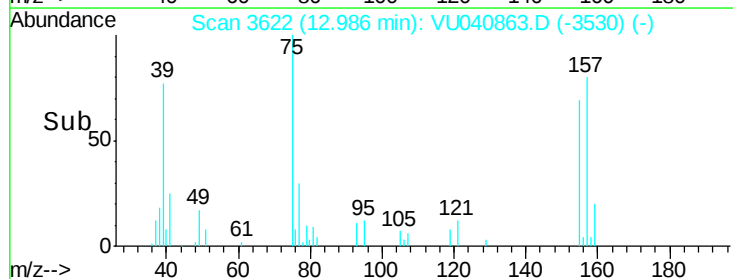
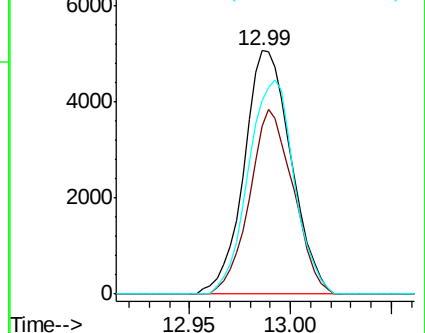
157 79.8 74.6 112.0

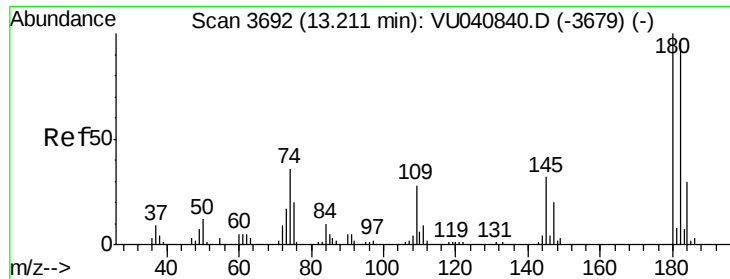


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

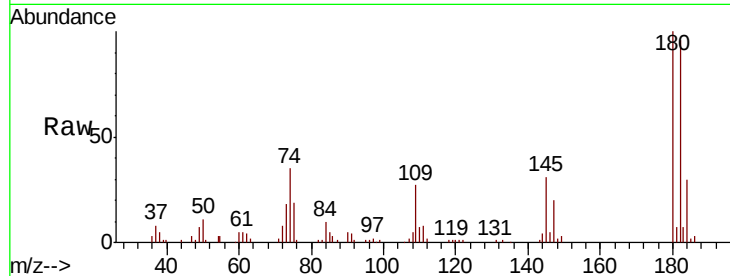




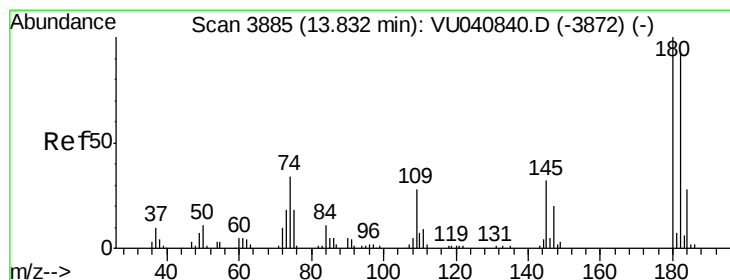
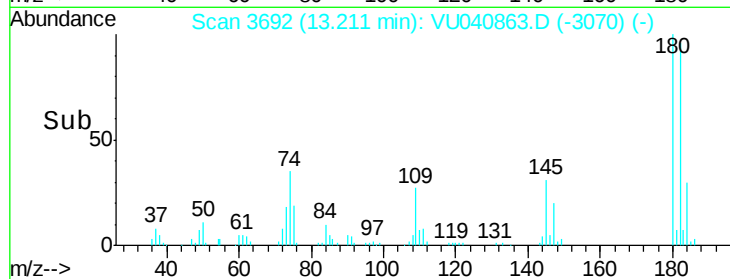
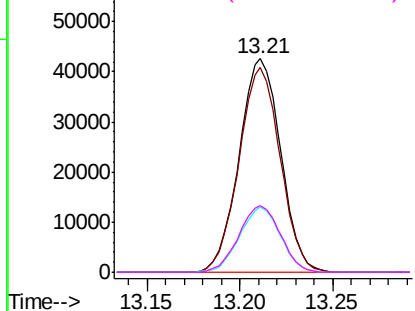
#67
 1,3,5-Trichlorobenzene
 Concen: 4.439 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tot Ion:180 Resp: 66452
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 184 29.9 24.5 36.7
 145 31.3 25.9 38.9

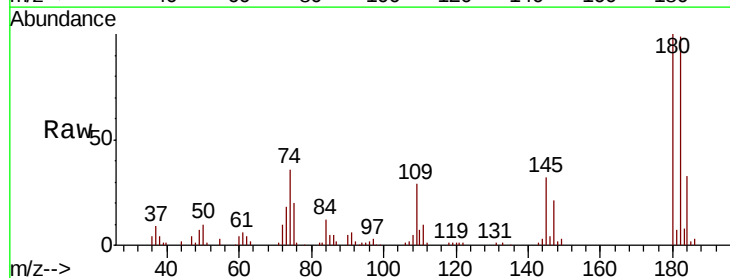


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

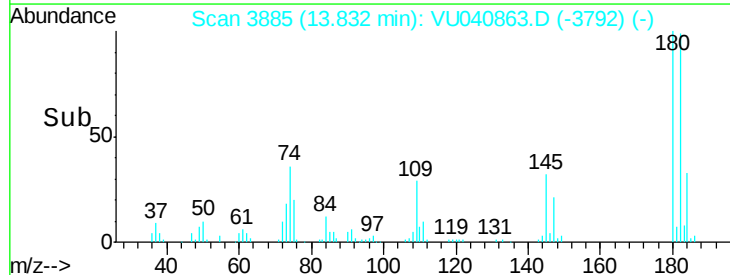
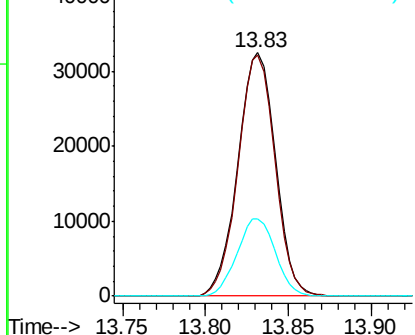


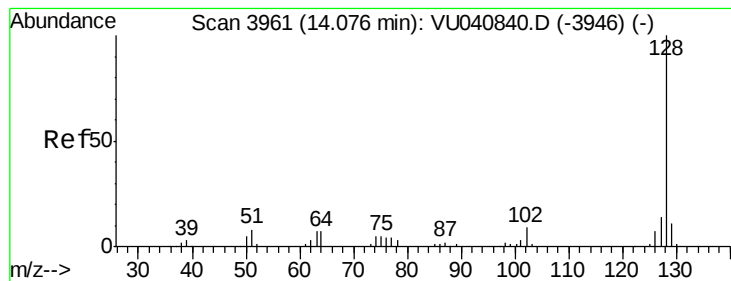
#68
 1,2,4-trichlorobenzene
 Concen: 4.441 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040863.D
 Acq: 20 Oct 2020 21:49

Tgt Ion:180 Resp: 51369
 Ion Ratio Lower Upper
 180 100
 182 96.9 78.8 118.2
 145 32.3 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: 4.433 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

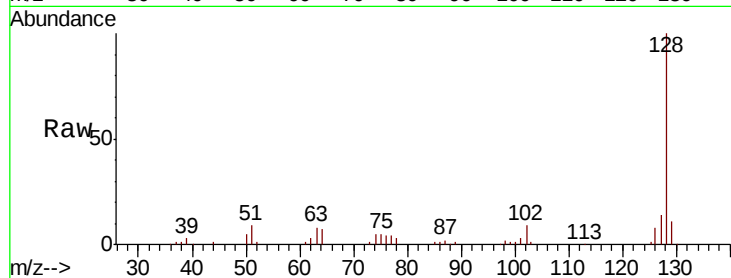
Tot Ion:128 Resp: 83880

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

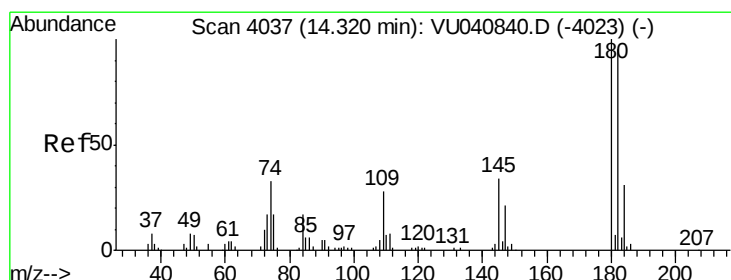
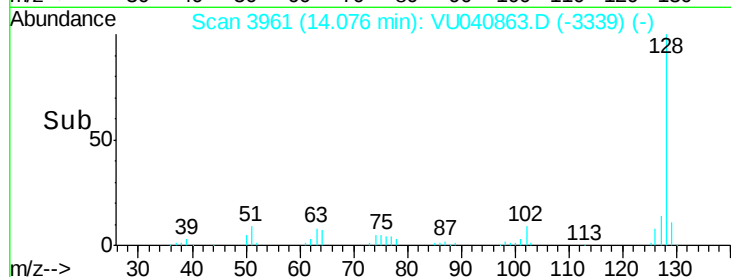
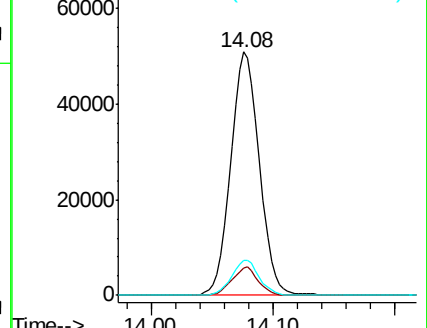
127 13.7 10.2 15.4



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: 4.642 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040863.D

Acq: 20 Oct 2020 21:49

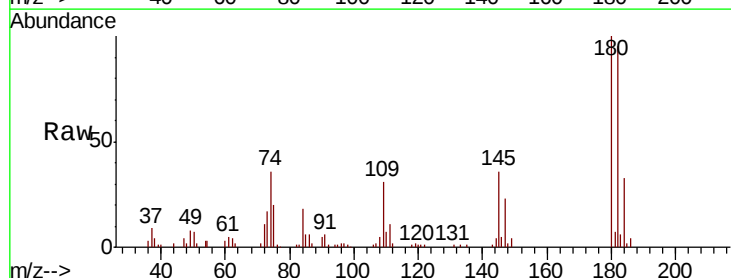
Tgt Ion:180 Resp: 49851

Ion Ratio Lower Upper

180 100

182 94.1 75.8 113.8

145 35.7 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

