

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040866.D
 Acq On : 21 Oct 2020 11:50
 Operator : SY/MD
 Sample : VSTD00101
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Quant Time: Oct 22 00:08:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	236986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	244326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	117801	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16921	0.90	ug/L	0.00
7) Chloroethane-d5	1.92	69	14375	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	35108	0.94	ug/L	0.00
20) 2-Butanone-d5	4.65	46	56763	9.31	ug/L	0.00
24) Chloroform-d	5.08	84	37089	1.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	20500	0.99	ug/L	0.00
32) Benzene-d6	5.75	84	61080	0.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	21252	0.98	ug/L	0.00
41) Toluene-d8	7.91	98	52262	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	8040	0.89	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	36162	7.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	18276	0.94	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	20384	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	24644	1.136	ug/L 96
3) Chloromethane	1.52	50	27424	1.297	ug/L 98
5) Vinyl chloride	1.61	62	23417	1.085	ug/L 90
6) Bromomethane	1.86	94	12995	1.131	ug/L 91
8) Chloroethane	1.94	64	16197	1.181	ug/L 93
9) Trichlorofluoromethane	2.15	101	32107	1.054	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	18908	0.972	ug/L 97
12) 1,1-Dichloroethene	2.59	96	17757	1.061	ug/L 92
13) Acetone	2.65	43	43003	9.389	ug/L 100
14) Carbon disulfide	2.81	76	59850	1.208	ug/L 99
15) Methyl Acetate	2.96	43	10570	0.997	ug/L 98
16) Methylene chloride	3.06	84	22157	1.037	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	38877	0.843	ug/L 95
18) trans-1,2-Dichloroethene	3.37	96	17496	0.996	ug/L 90
19) 1,1-Dichloroethane	3.89	63	35890	0.993	ug/L 98
21) 2-Butanone	4.73	43	57731	8.110	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	18760	0.991	ug/L 93
23) Bromochloromethane	4.99	128	9166	0.988	ug/L 97
25) Chloroform	5.11	83	37576	1.022	ug/L 98
27) 1,2-Dichloroethane	5.81	62	24769	0.953	ug/L 98
29) 1,1,1-Trichloroethane	5.33	97	30382	0.939	ug/L 100
30) Cyclohexane	5.41	56	28319	0.939	ug/L 94
31) Carbon tetrachloride	5.54	117	26100	0.944	ug/L 96
33) Benzene	5.79	78	73268	0.945	ug/L 100
34) Trichloroethene	6.56	95	19492	0.978	ug/L 96
35) Methylcyclohexane	6.77	83	26604	0.927	ug/L 98
37) 1,2-Dichloropropane	6.80	63	20925	0.978	ug/L # 97
38) Bromodichloromethane	7.11	83	26477	0.971	ug/L 97
39) cis-1,3-Dichloropropene	7.62	75	24895	0.853	ug/L 98
40) 4-Methyl-2-pentanone	7.80	43	123913	7.518	ug/L 96

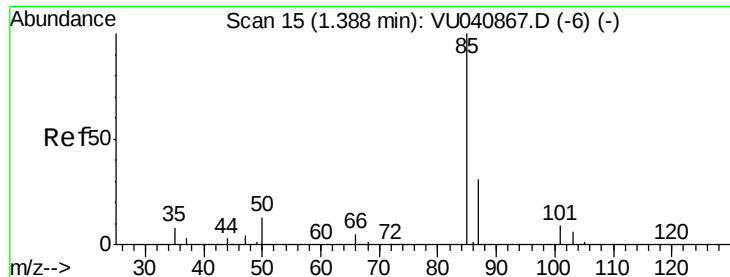
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102120\
 Data File : VU040866.D
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 Operator : SY/MD
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 QLast Update : Thu Oct 22 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	71035	0.902	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	22161	0.831	ug/L	91
45) 1,1,2-Trichloroethane	8.41	97	14192	0.898	ug/L	96
47) Tetrachloroethene	8.56	164	14621	1.027	ug/L	93
48) 2-Hexanone	8.69	43	89707	7.331	ug/L	96
49) Dibromochloromethane	8.82	129	16661	0.915	ug/L	95
50) 1,2-Dibromoethane	8.93	107	12408	0.825	ug/L #	100
51) Chlorobenzene	9.45	112	49035	0.950	ug/L	98
52) Ethylbenzene	9.57	91	73244	0.866	ug/L	99
53) m,p-Xylene	9.69	106	26122	0.849	ug/L	93
54) o-Xylene	10.10	106	25087	0.851	ug/L	99
55) Styrene	10.11	104	39598	0.770	ug/L	97
56) Isopropylbenzene	10.48	105	64125	0.805	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	16793	0.811	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	13421	0.869	ug/L	93
61) Bromoform	10.29	173	8556	0.887	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	35568	0.939	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	35935	0.921	ug/L	92
65) 1,2-Dichlorobenzene	12.21	146	33964	0.925	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	3287	1.025	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	27358	1.018	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	21671	1.033	ug/L	98
69) Naphthalene	14.08	128	35282	1.005	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	20963	1.075	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 1.136 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

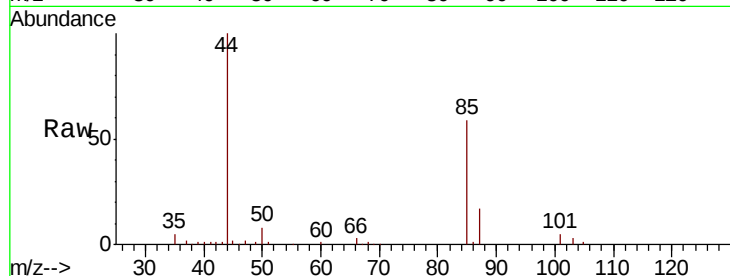
VSTD00101

Tot Ion: 85 Resp: 24644

Ion Ratio Lower Upper

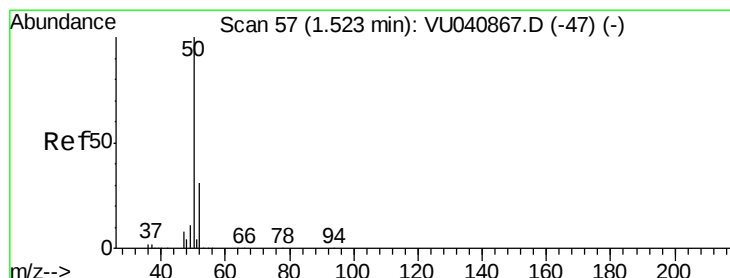
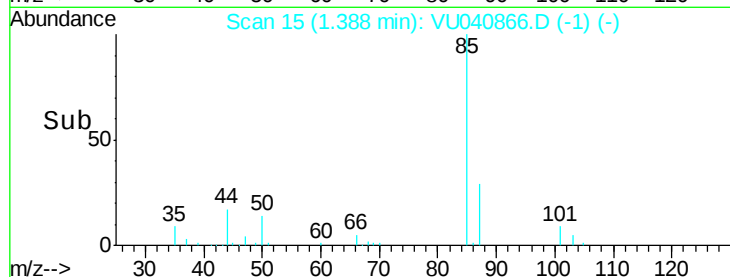
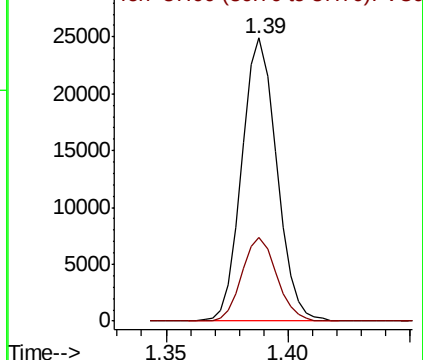
85 100

87 29.3 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 1.297 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040866.D

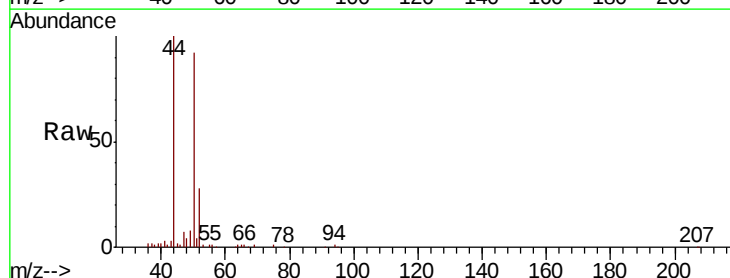
Acq: 21 Oct 2020 11:50

Tgt Ion: 50 Resp: 27424

Ion Ratio Lower Upper

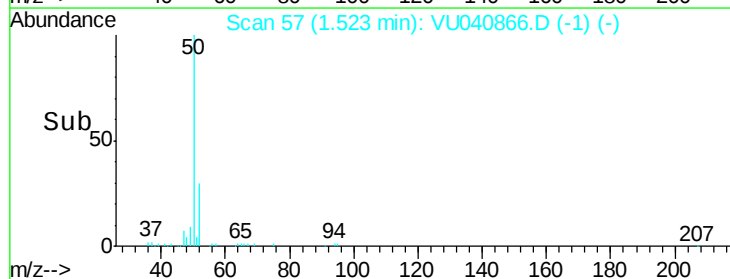
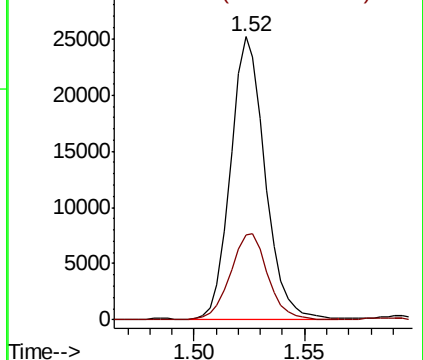
50 100

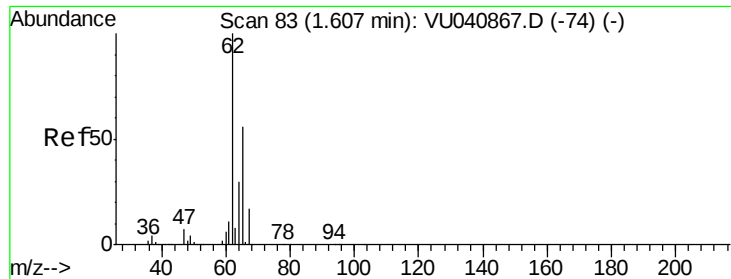
52 30.2 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 1.085 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleID :

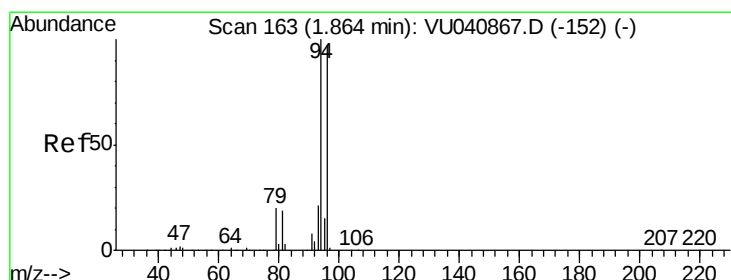
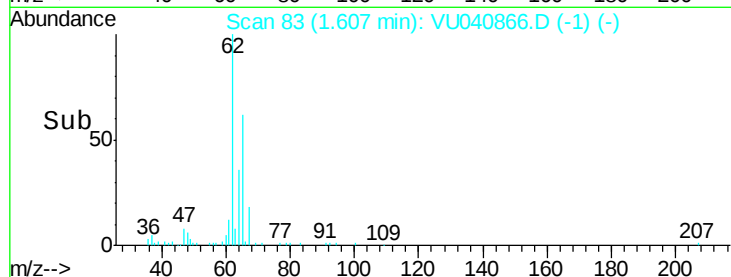
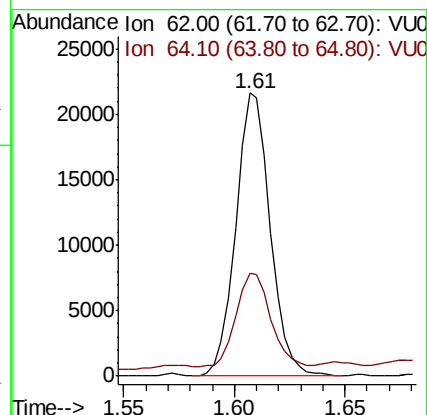
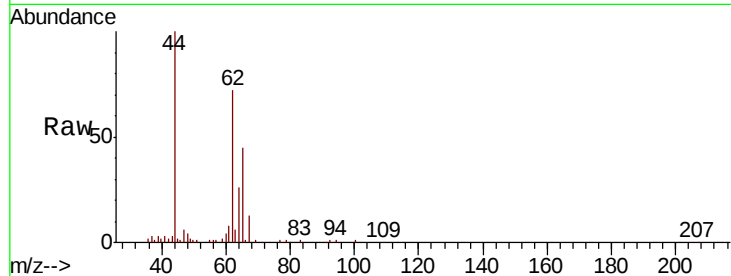
VSTD00101

Tot Ion: 62 Resp: 23417

Ion Ratio Lower Upper

62 100

64 36.5 21.8 40.6



#6

Bromomethane

Concen: 1.131 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040866.D

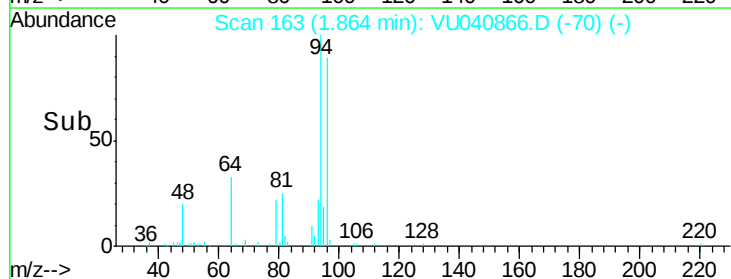
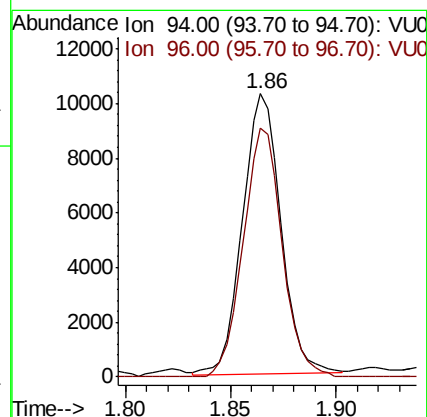
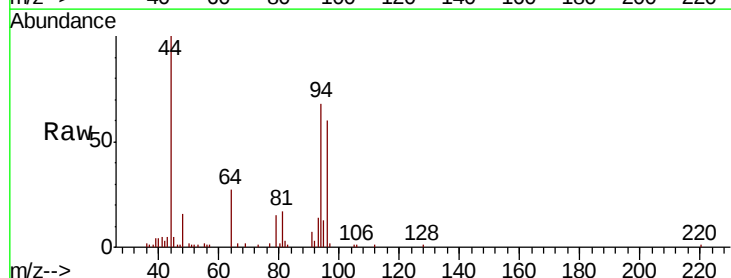
Acq: 21 Oct 2020 11:50

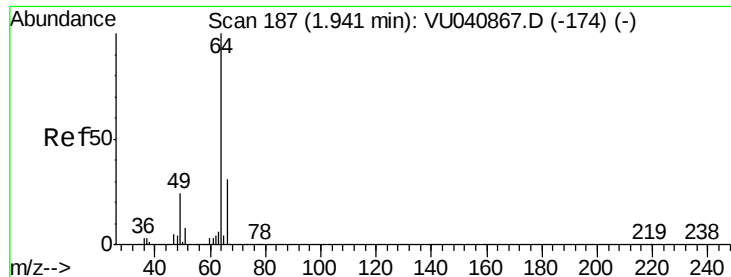
Tgt Ion: 94 Resp: 12995

Ion Ratio Lower Upper

94 100

96 87.8 67.8 125.8

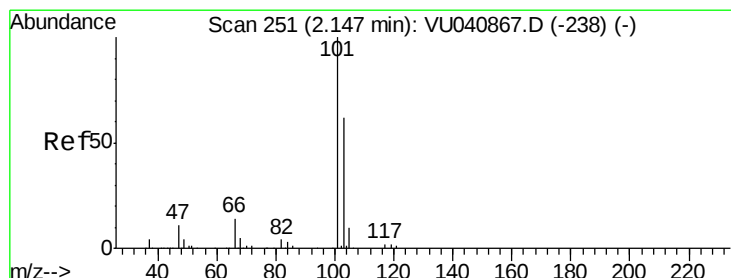
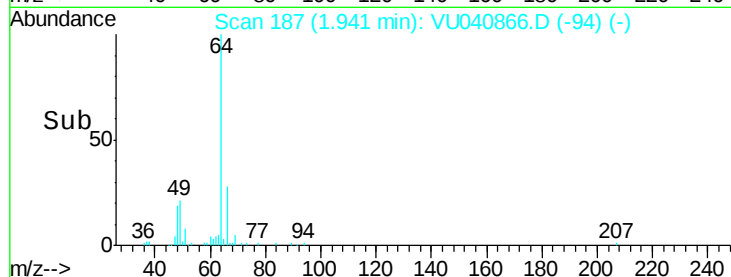
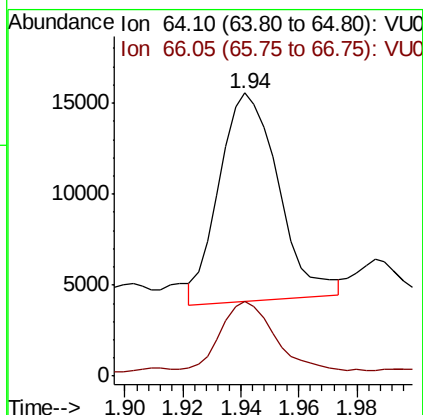
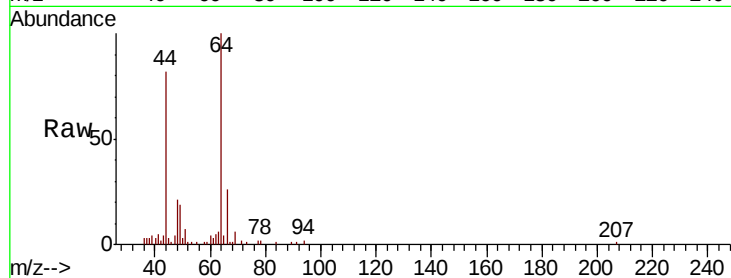




#8
Chloroethane
Concen: 1.181 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

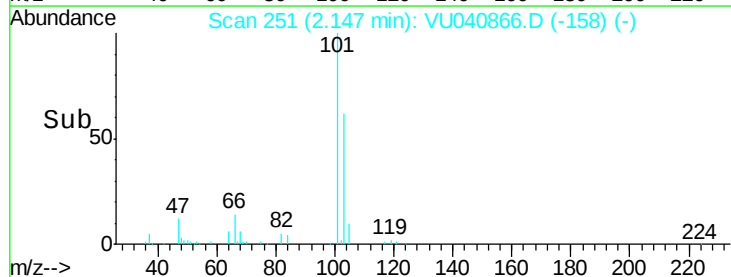
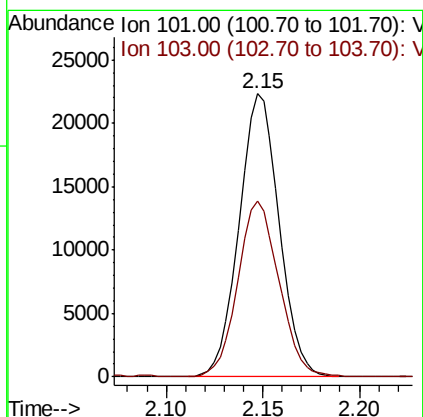
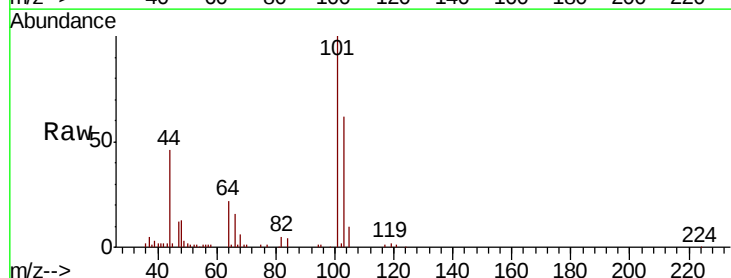
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

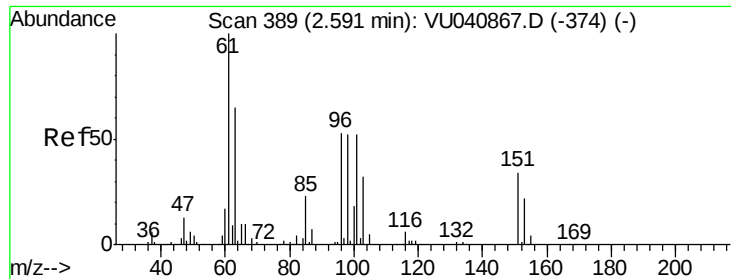
Tot Ion: 64 Resp: 16197
Ion Ratio Lower Upper
64 100
66 26.2 21.2 39.4



#9
Trichlorofluoromethane
Concen: 1.054 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion: 101 Resp: 32107
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2





#10

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

Concen: 0.972 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

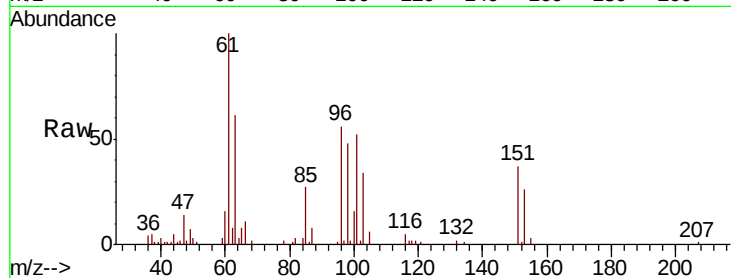
Tot Ion:101 Resp: 18908

Ion Ratio Lower Upper

101 100

85 48.3 36.4 54.6

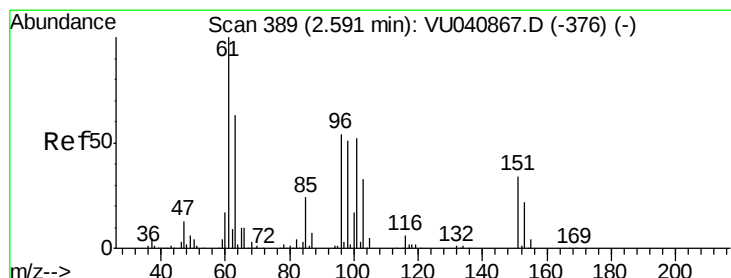
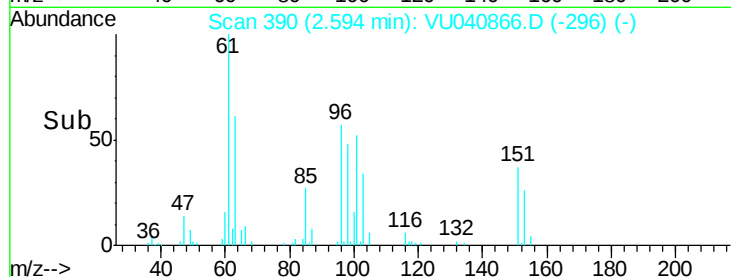
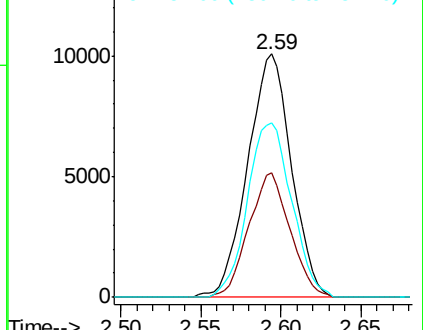
151 72.4 56.3 84.5



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: 1.061 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

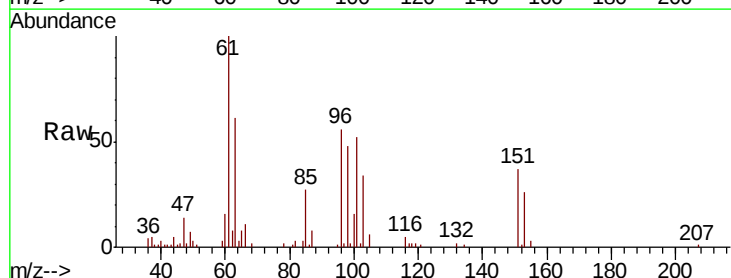
Tgt Ion: 96 Resp: 17757

Ion Ratio Lower Upper

96 100

61 178.4 130.9 243.1

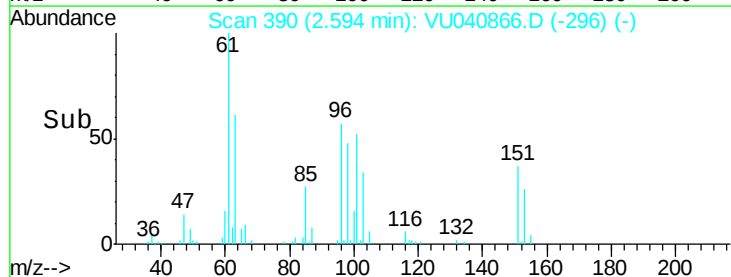
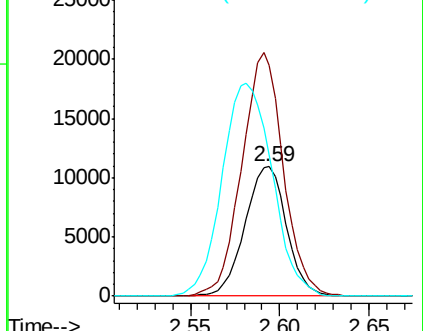
63 109.4 85.4 158.6

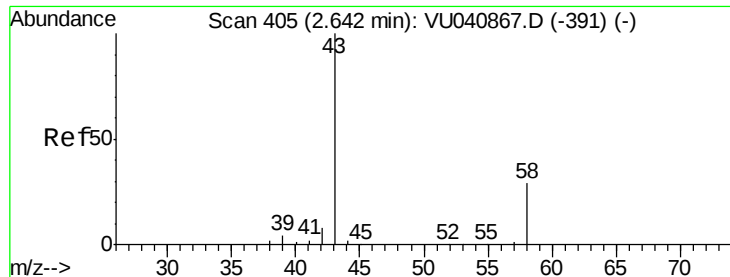


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.389 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.01 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

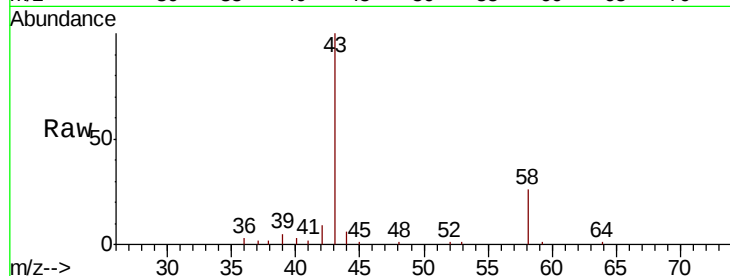
VSTD00101

Tot Ion: 43 Resp: 43003

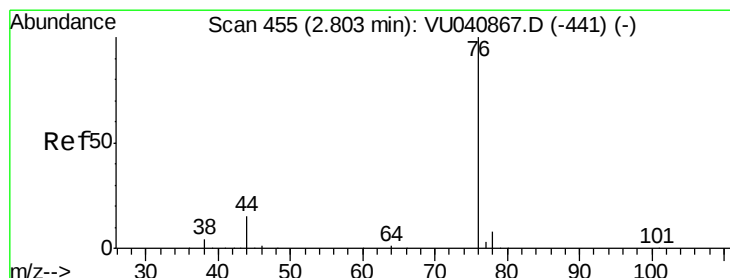
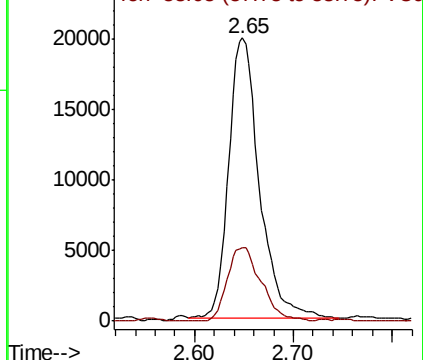
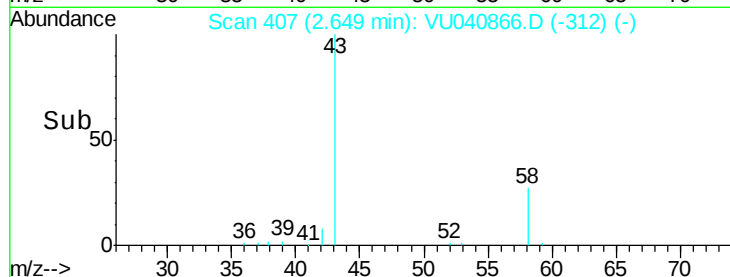
Ion Ratio Lower Upper

43 100

58 29.2 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU040866.D (-312) (-)



#14

Carbon disulfide

Concen: 1.208 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040866.D

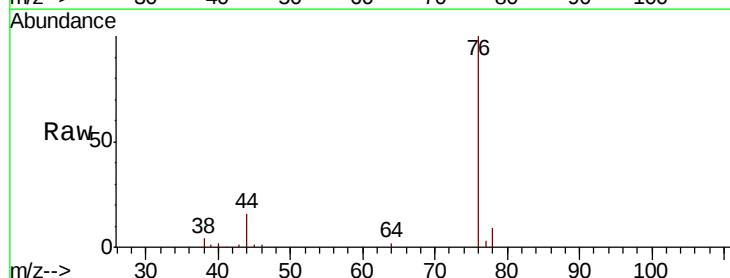
Acq: 21 Oct 2020 11:50

Tgt Ion: 76 Resp: 59850

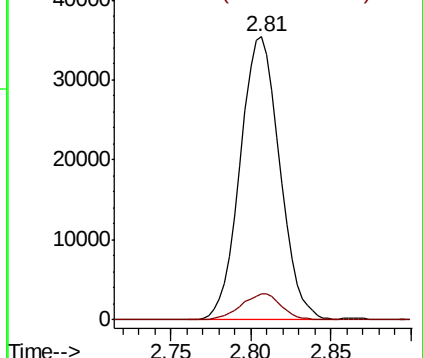
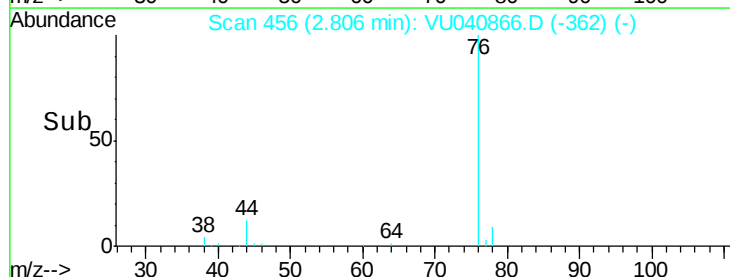
Ion Ratio Lower Upper

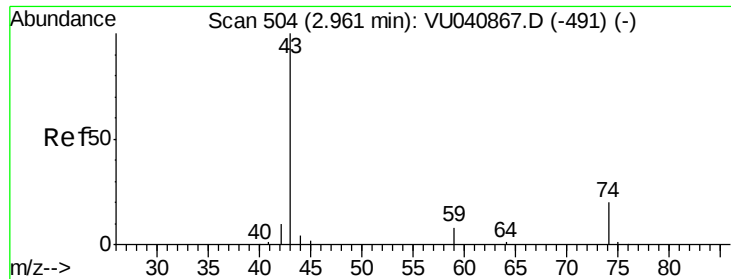
76 100

78 9.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040866.D (-362) (-)

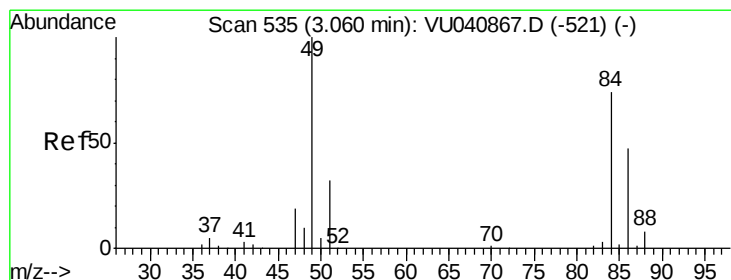
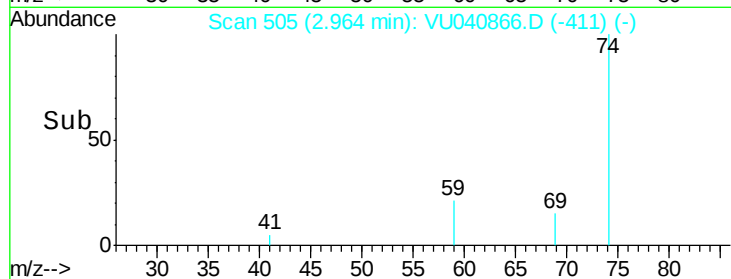
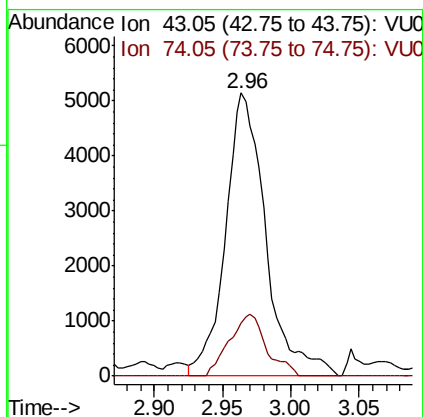
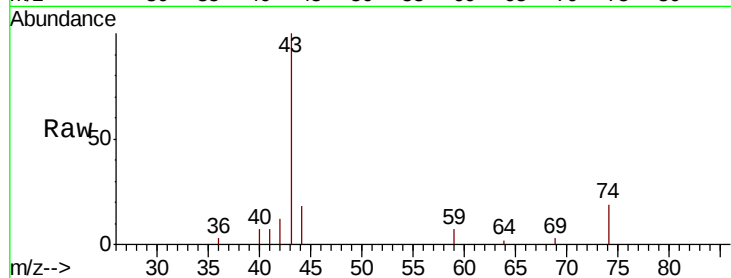




#15
Methyl Acetate
Concen: 0.997 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

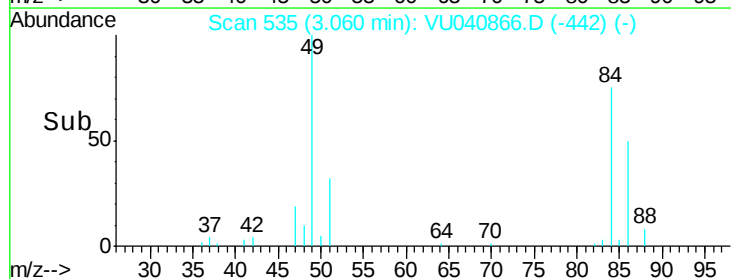
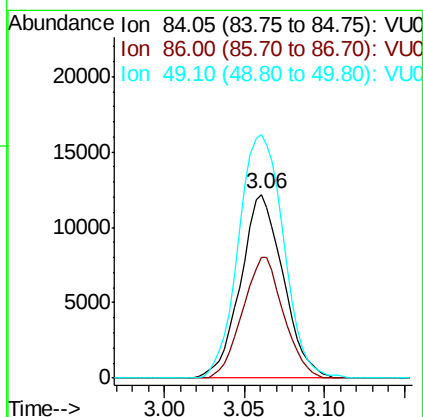
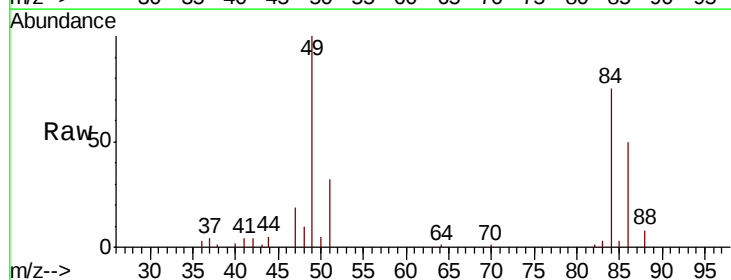
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

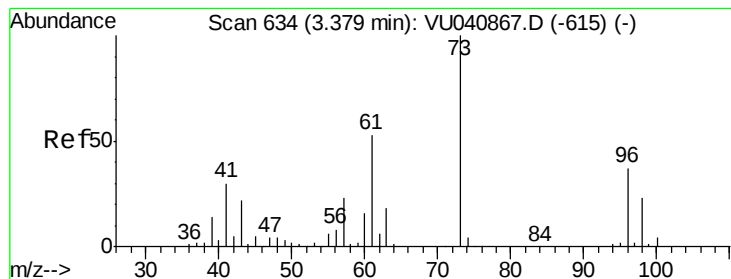
Tot Ion: 43 Resp: 10570
Ion Ratio Lower Upper
43 100
74 20.0 16.6 25.0



#16
Methylene chloride
Concen: 1.037 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion: 84 Resp: 22157
Ion Ratio Lower Upper
84 100
86 65.9 44.9 83.5
49 132.7 94.7 175.9

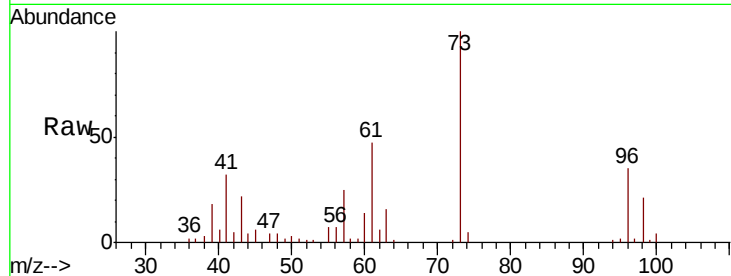




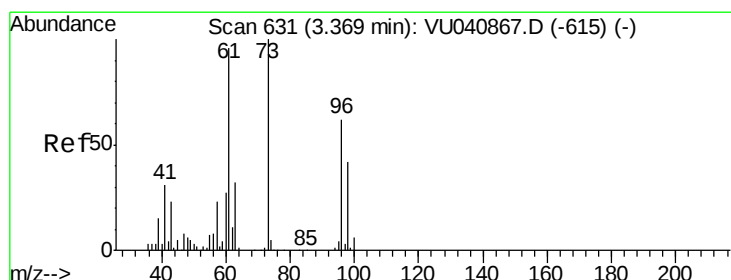
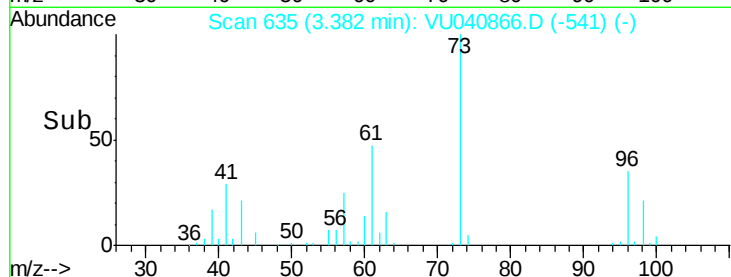
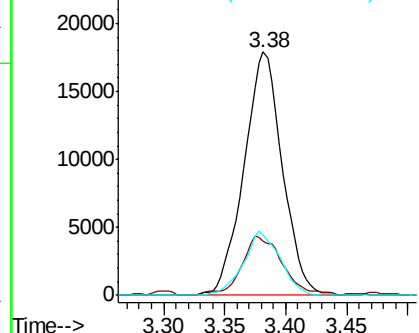
#17
Methvl tert-butvl Ether
Concen: 0.843 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion: 73 Resp: 38877
Ion Ratio Lower Upper
73 100
43 25.9 18.6 27.8
57 25.3 18.5 27.7

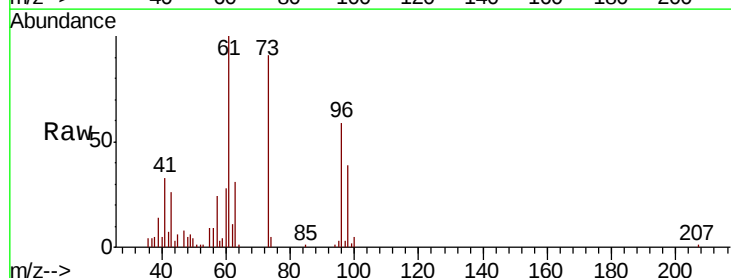


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

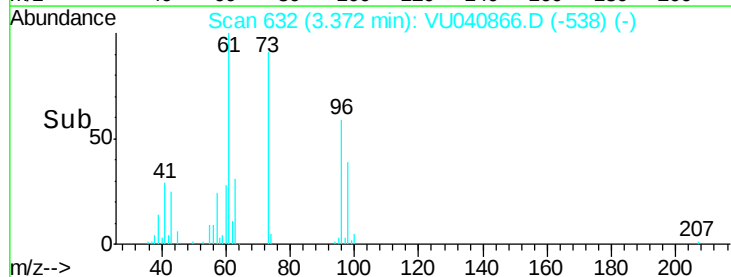
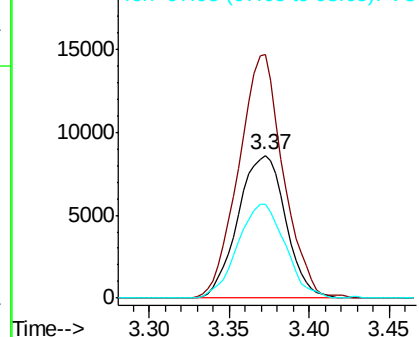


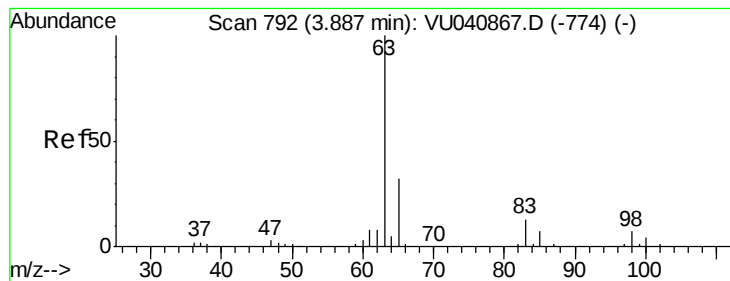
#18
trans-1,2-Dichloroethene
Concen: 0.996 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion: 96 Resp: 17496
Ion Ratio Lower Upper
96 100
61 170.7 107.9 200.3
98 65.9 47.5 88.1



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

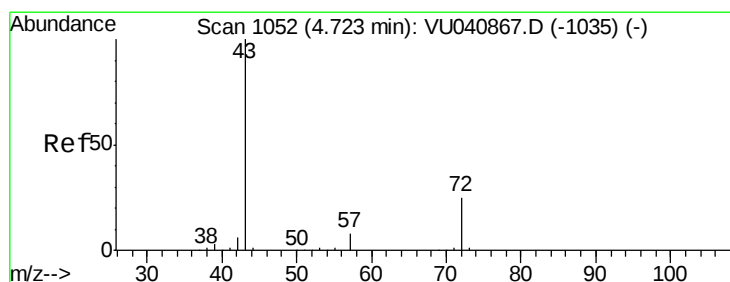
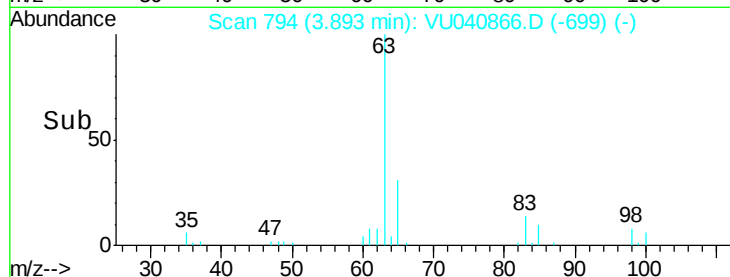
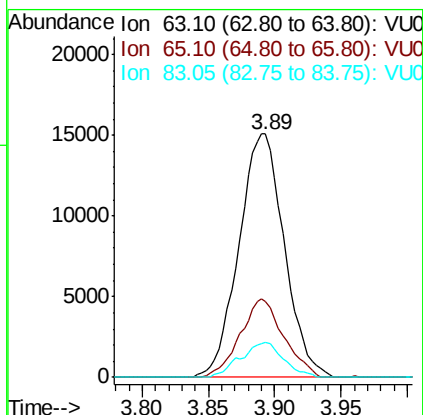
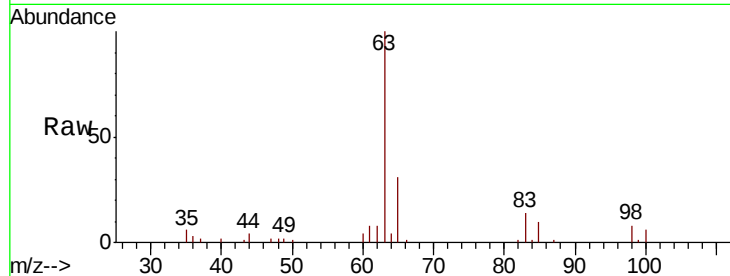




#19
 1,1-Dichloroethane
 Concen: 0.993 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

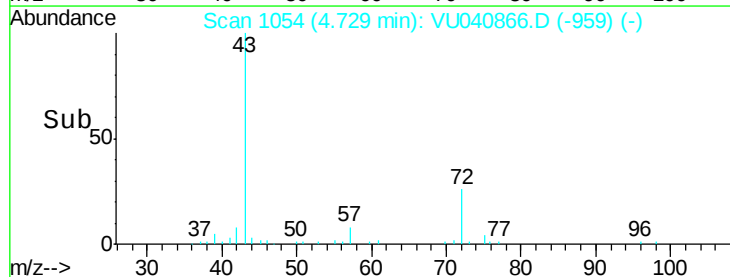
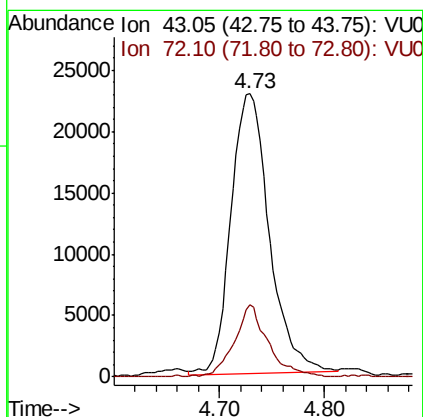
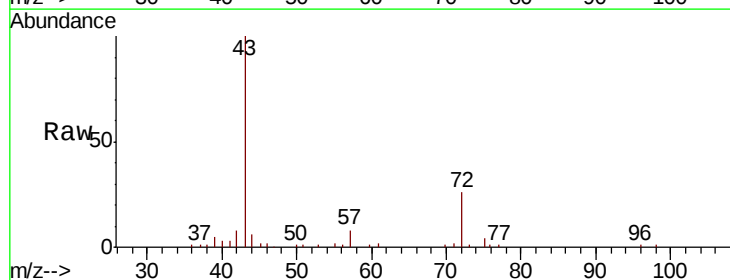
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

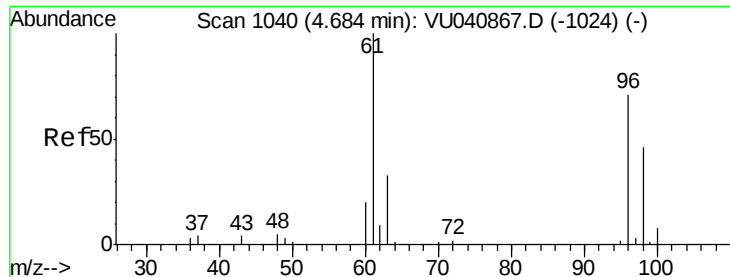
Tot Ion: 63 Resp: 35890
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.6 42.0
 83 14.3 9.4 17.6



#21
 2-Butanone
 Concen: 8.110 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 43 Resp: 57731
 Ion Ratio Lower Upper
 43 100
 72 22.6 12.2 36.4





#22

cis-1,2-Dichloroethene

Concen: 0.991 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

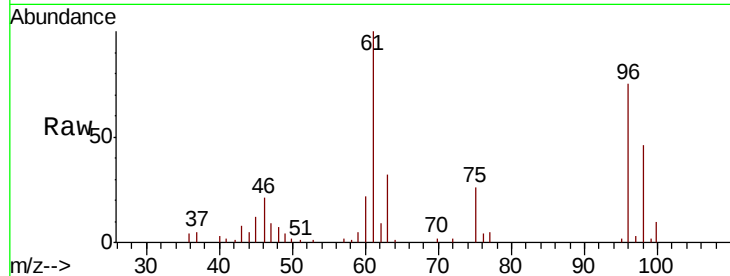
Tot Ion: 96 Resp: 18760

Ion Ratio Lower Upper

96 100

61 133.6 100.0 185.6

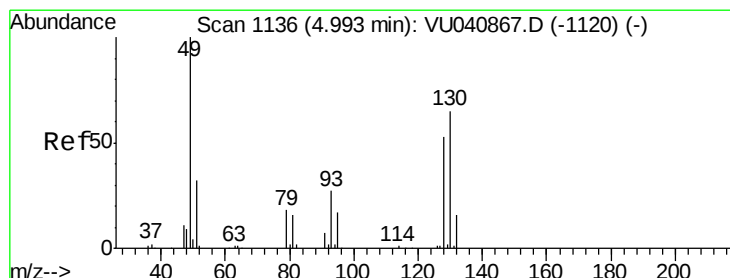
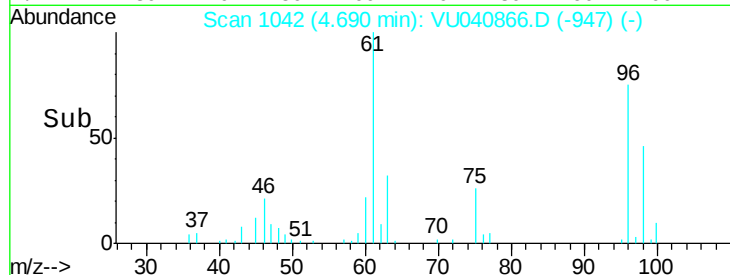
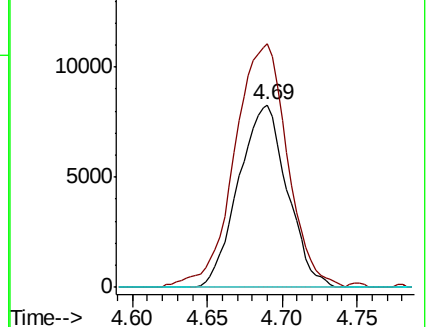
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040866.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040866.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040866.D (-947) (-)



#23

Bromochloromethane

Concen: 0.988 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Tgt Ion: 128 Resp: 9166

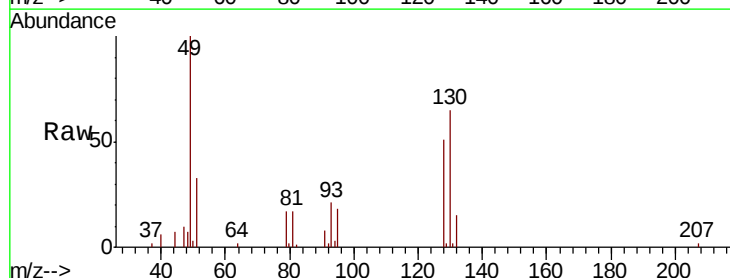
Ion Ratio Lower Upper

128 100

49 195.0 133.2 247.4

130 126.3 86.6 160.8

51 63.4 48.8 73.2

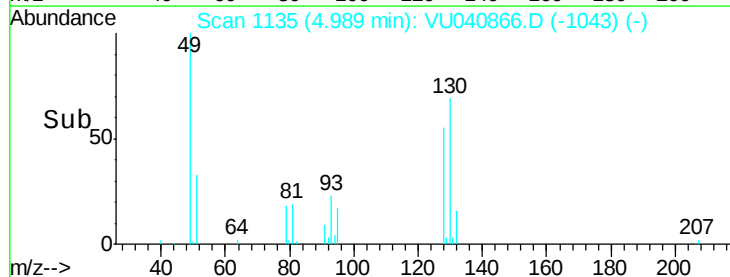
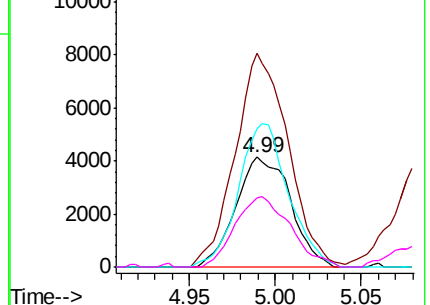


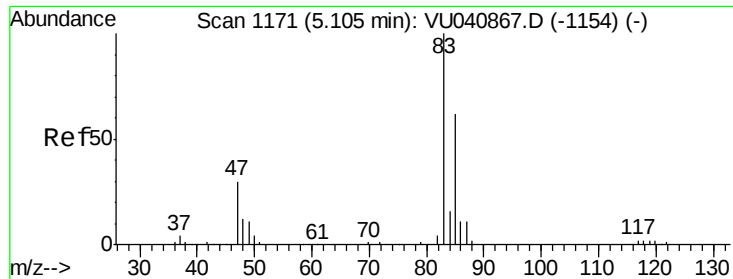
Abundance Ion 127.90 (127.60 to 128.60): VU040866.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040866.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040866.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040866.D (-1043) (-)

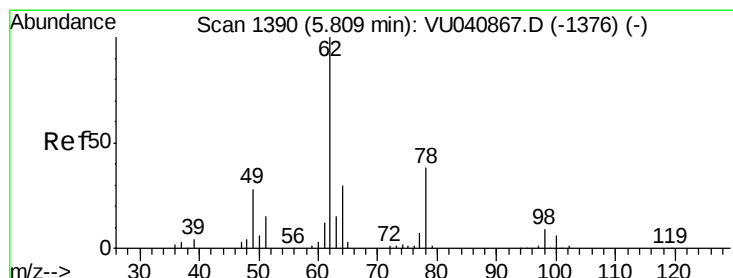
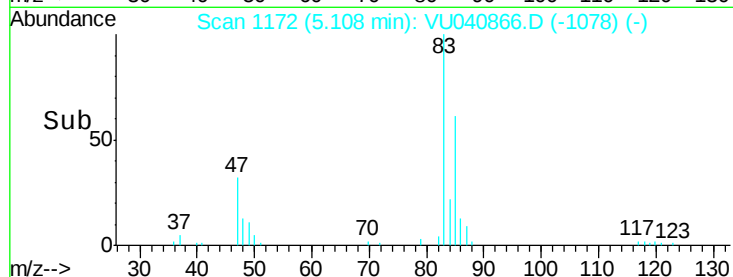
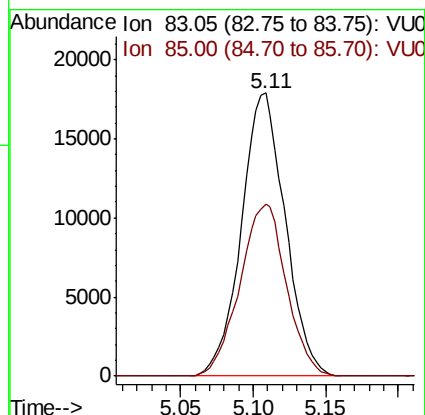
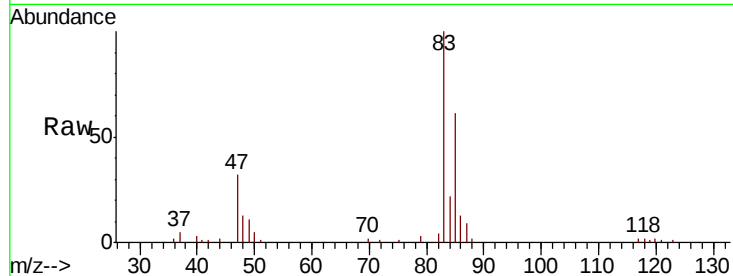




#25
Chloroform
Concen: 1.022 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

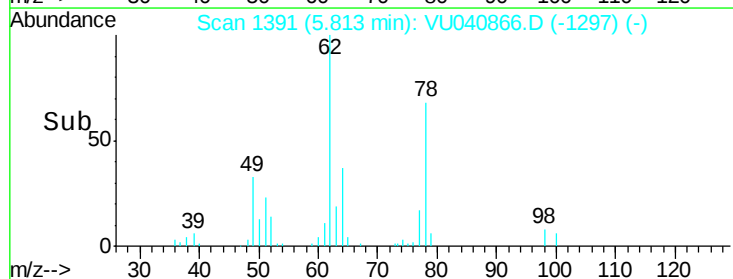
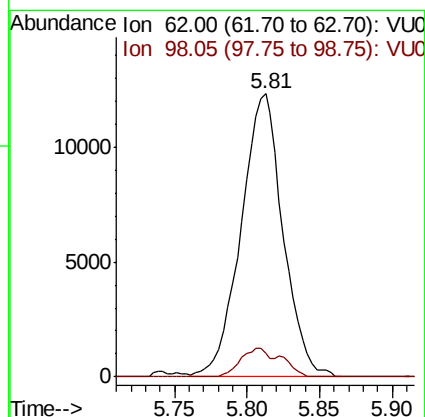
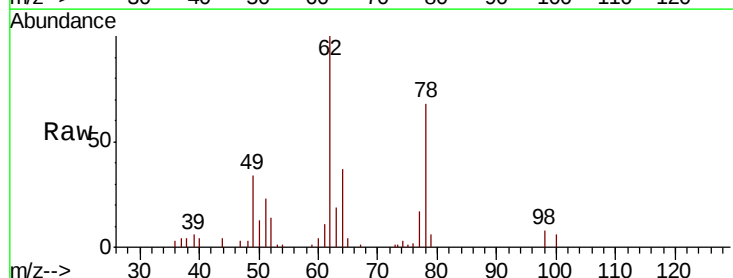
Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

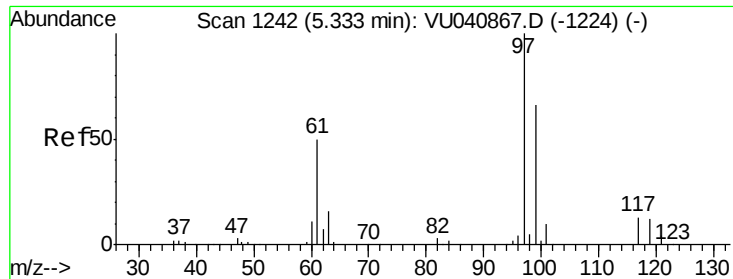
Tot Ion: 83 Resp: 37576
Ion Ratio Lower Upper
83 100
85 60.6 43.4 80.6



#27
1,2-Dichloroethane
Concen: 0.953 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion: 62 Resp: 24769
Ion Ratio Lower Upper
62 100
98 8.2 7.0 10.6

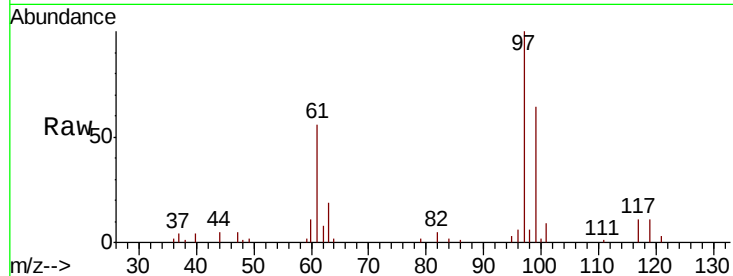




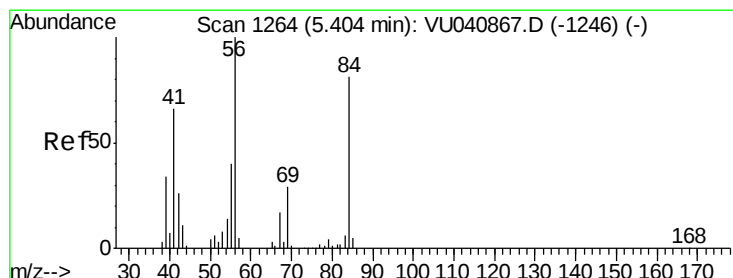
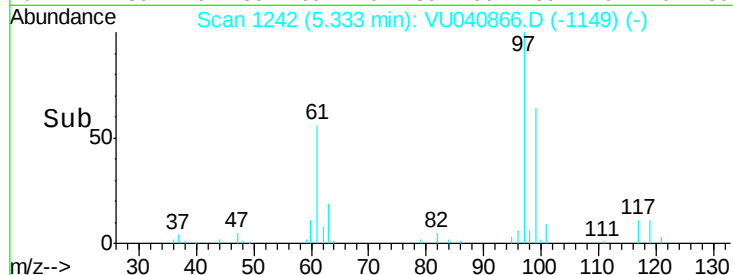
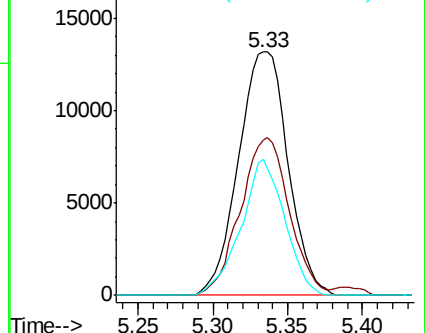
#29
 1,1,1-Trichloroethane
 Concen: 0.939 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tot Ion: 97 Resp: 30382
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 49.4 39.0 58.6

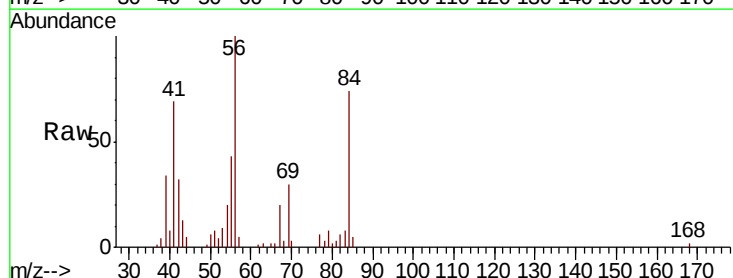


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

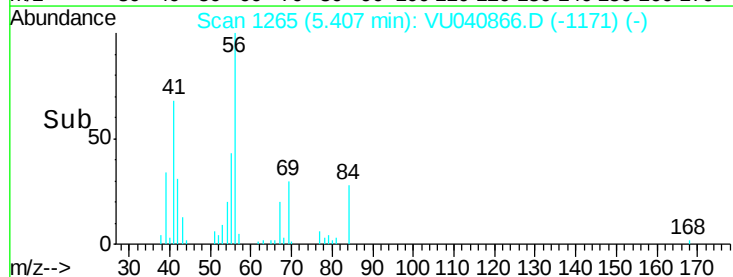
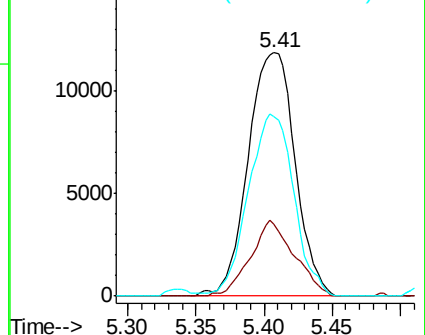


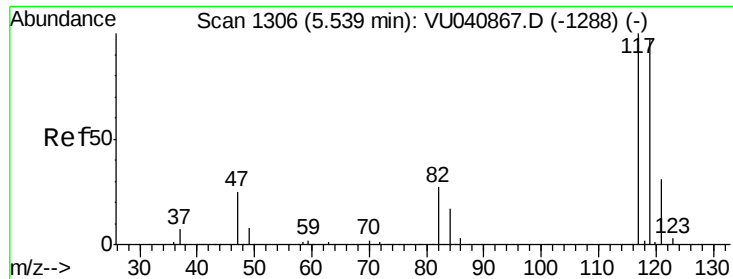
#30
 Cyclohexane
 Concen: 0.939 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 56 Resp: 28319
 Ion Ratio Lower Upper
 56 100
 69 29.0 22.6 33.8
 84 72.7 63.0 94.6



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





#31

Carbon tetrachloride

Concen: 0.944 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

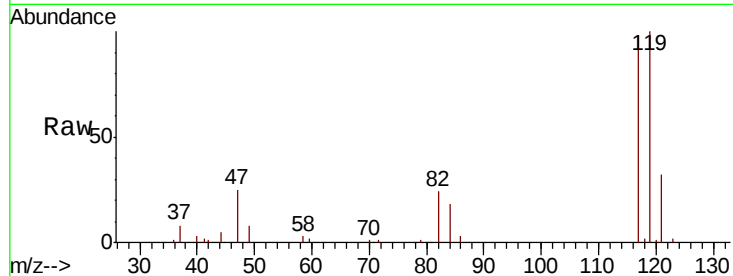
VSTD00101

Tot Ion:117 Resp: 26100

Ion Ratio Lower Upper

117 100

119 100.4 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

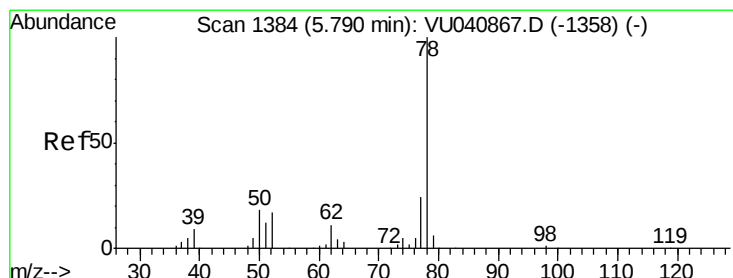
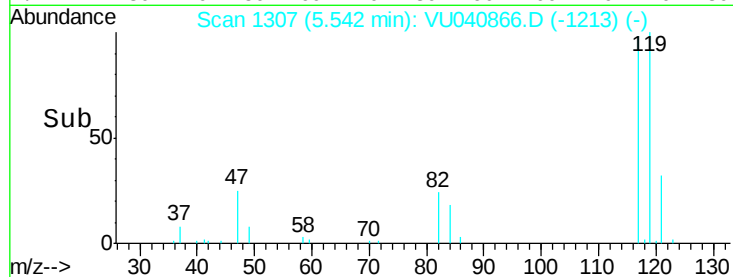
5.54

10000

5000

0

Time--> 5.45 5.50 5.55 5.60



#33

Benzene

Concen: 0.945 ug/L

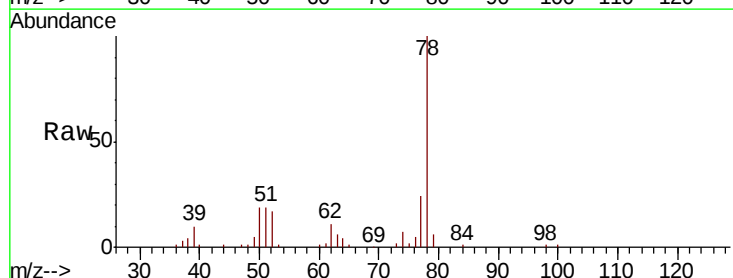
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Tgt Ion: 78 Resp: 73268



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

40000

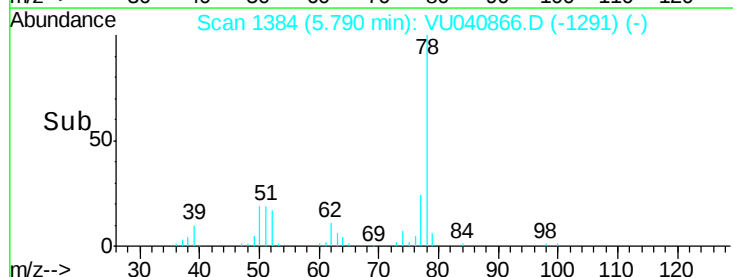
30000

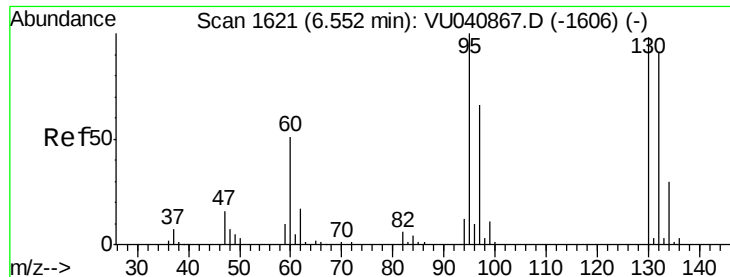
20000

10000

0

Time--> 5.70 5.75 5.80 5.85





#34

Trichloroethene

Concen: 0.978 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

Tot Ion: 95 Resp: 19492

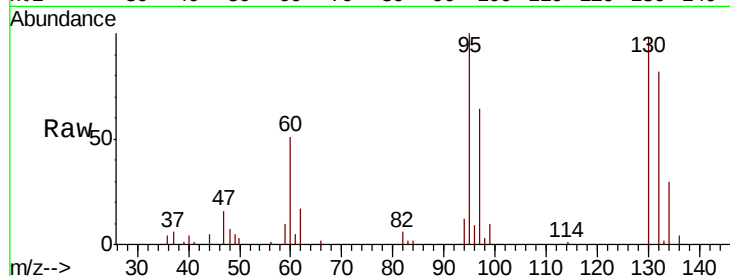
Ion Ratio Lower Upper

95 100

97 64.3 46.0 85.4

132 81.8 63.6 118.2

130 98.3 68.6 127.4

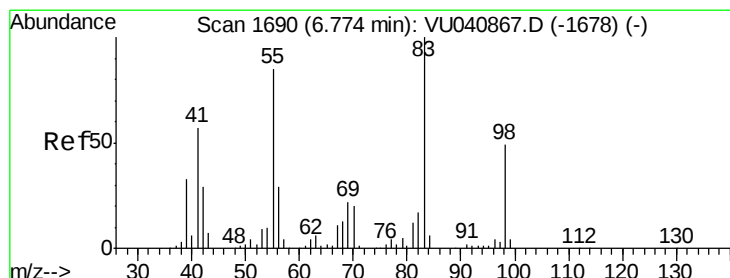
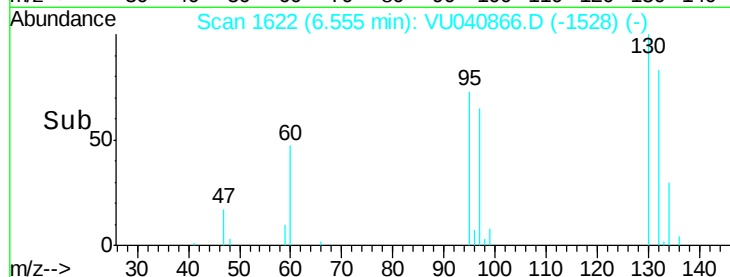
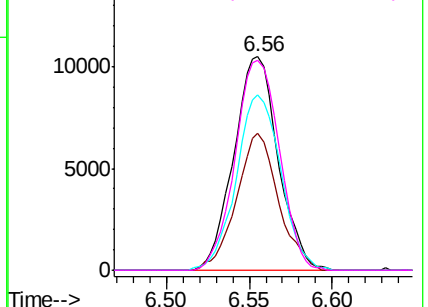


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.927 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

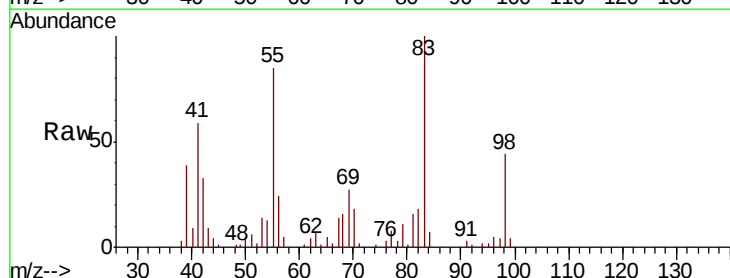
Tgt Ion: 83 Resp: 26604

Ion Ratio Lower Upper

83 100

55 85.4 69.1 103.7

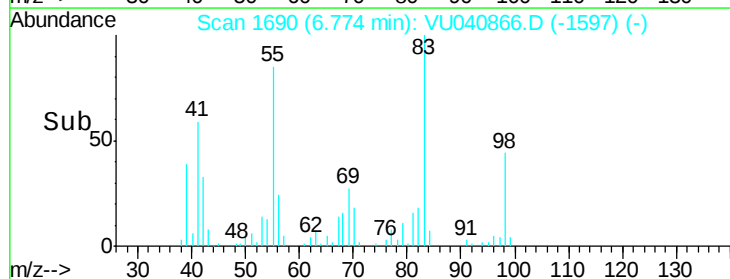
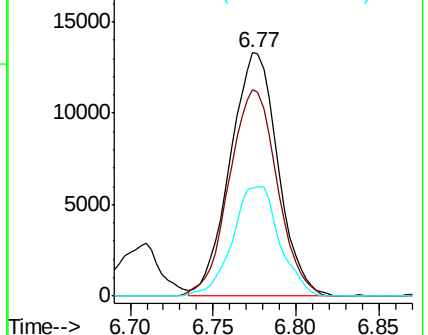
98 44.3 37.8 56.6

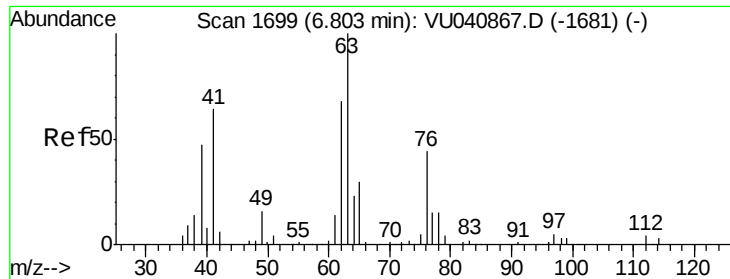


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

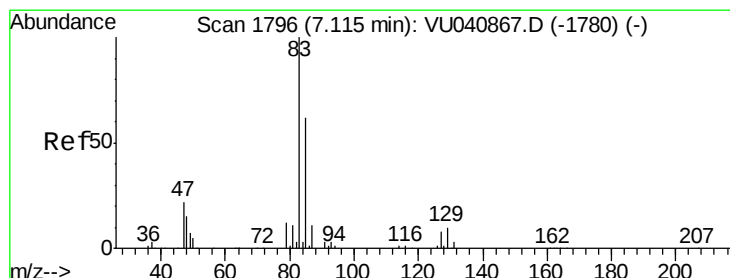
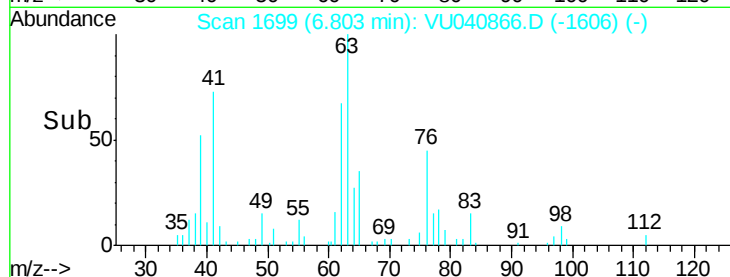
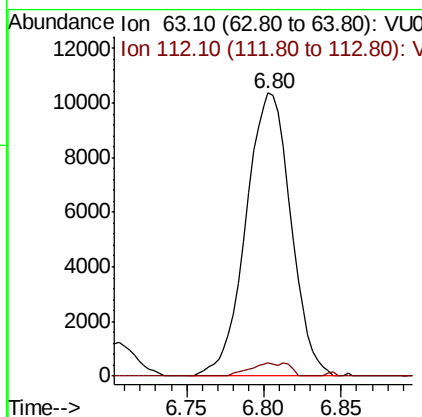
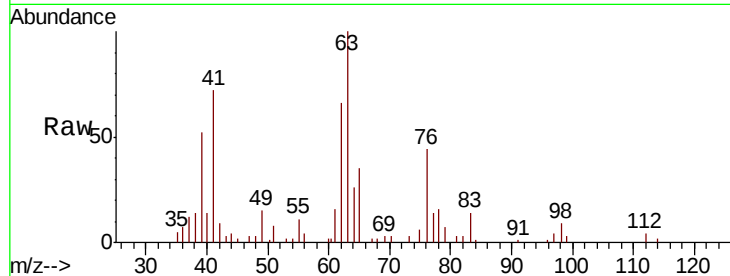




#37
 1,2-Dichloropropane
 Concen: 0.978 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

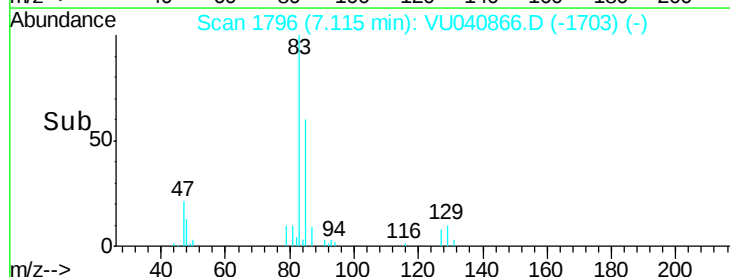
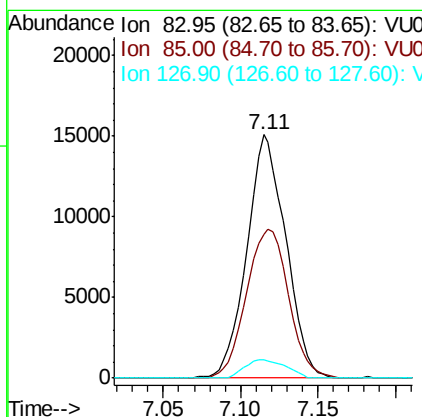
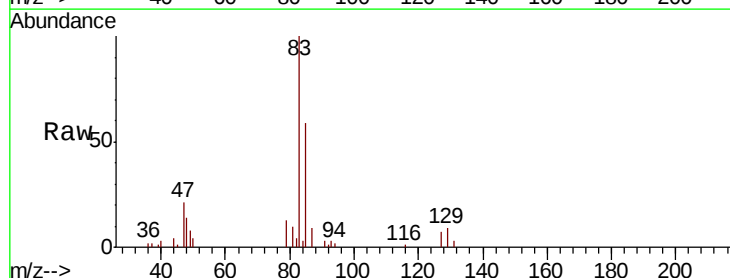
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

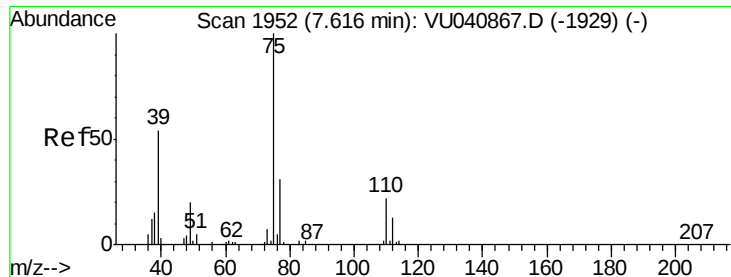
Tot Ion: 63 Resp: 20925
 Ion Ratio Lower Upper
 63 100
 112 2.9 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 0.971 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 83 Resp: 26477
 Ion Ratio Lower Upper
 83 100
 85 59.2 43.3 80.5
 127 7.4 6.2 9.4

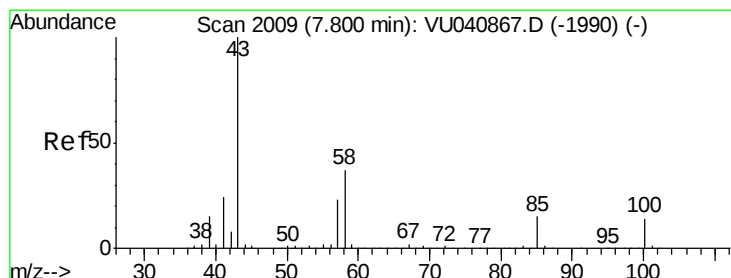
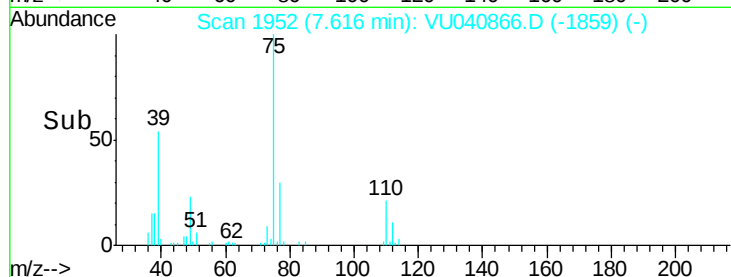
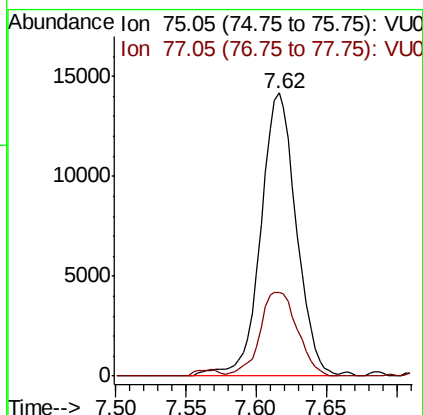
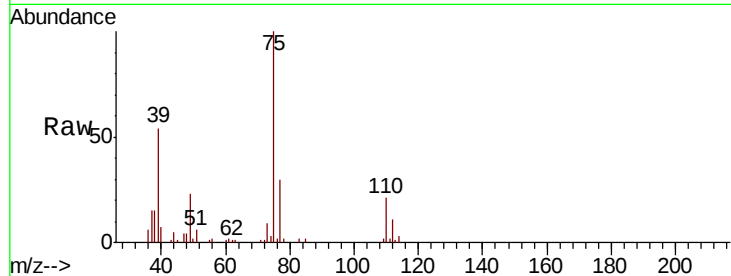




#39
 cis-1,3-Dichloropropene
 Concen: 0.853 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

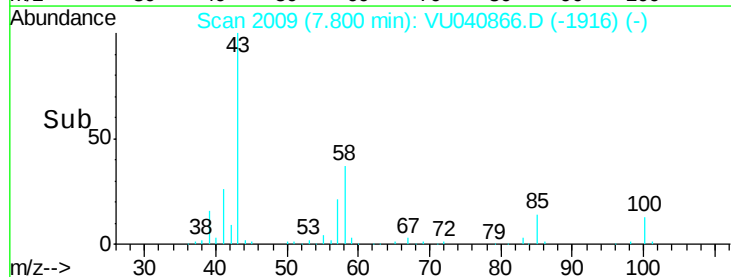
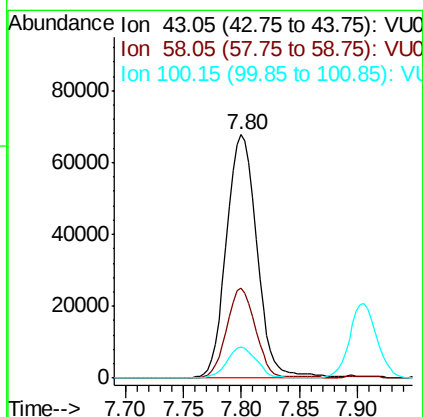
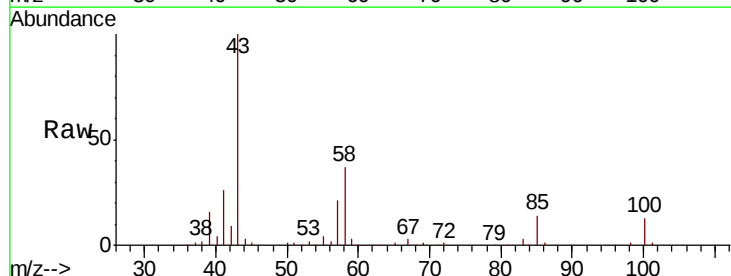
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

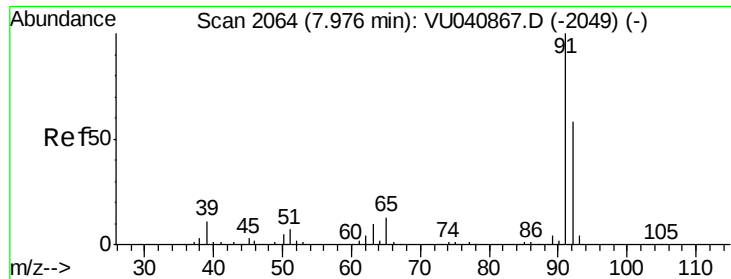
Tot Ion: 75 Resp: 24895
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 7.518 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 43 Resp: 123913
 Ion Ratio Lower Upper
 43 100
 58 34.6 29.7 44.5
 100 12.4 10.6 16.0





#42

Toluene

Concen: 0.902 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

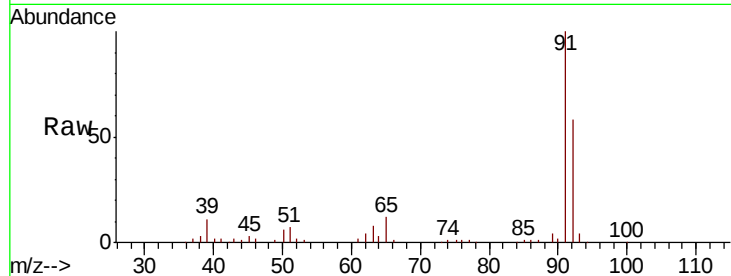
VSTD00101

Tot Ion: 91 Resp: 71035

Ion Ratio Lower Upper

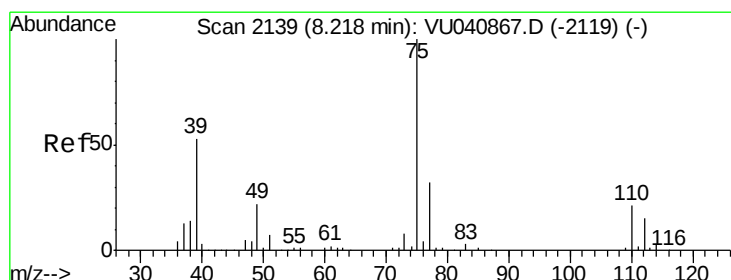
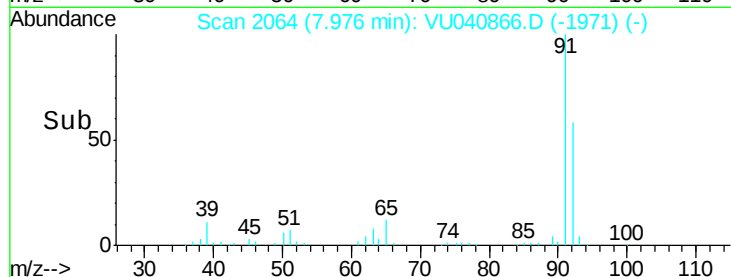
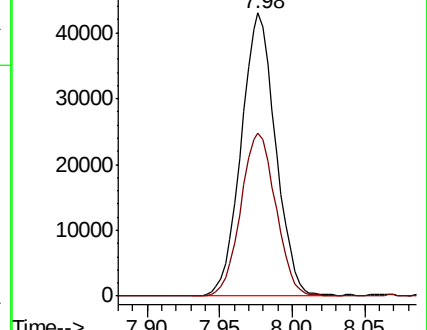
91 100

92 57.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040866.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU040866.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.831 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040866.D

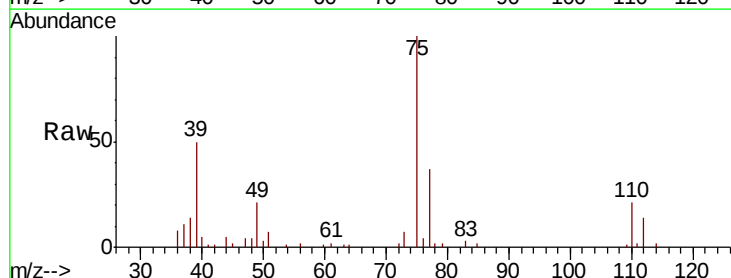
Acq: 21 Oct 2020 11:50

Tgt Ion: 75 Resp: 22161

Ion Ratio Lower Upper

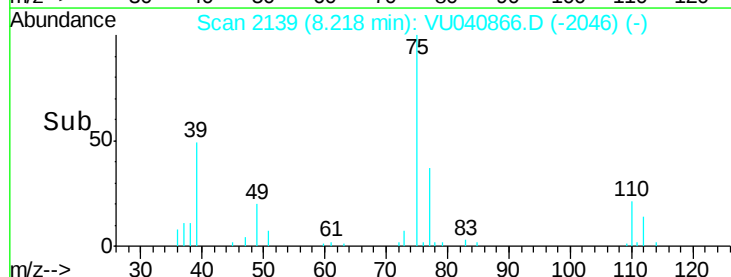
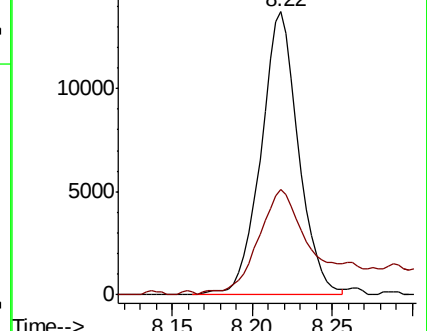
75 100

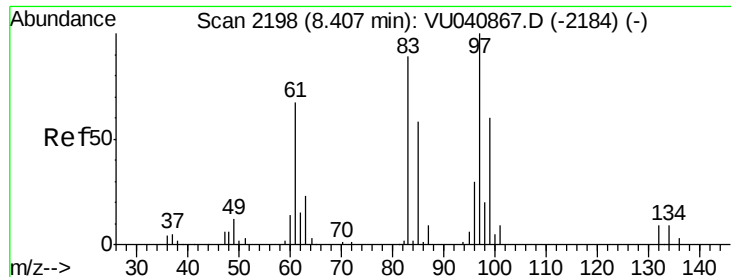
77 37.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU040866.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU040866.D (-2046) (-)

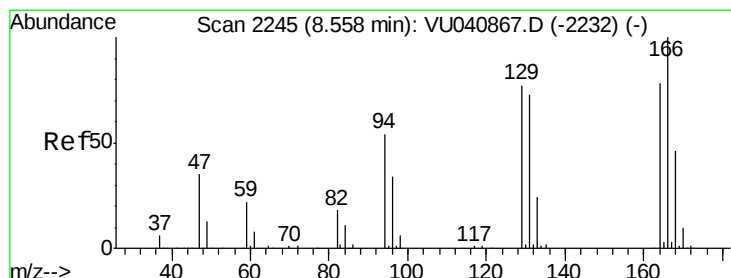
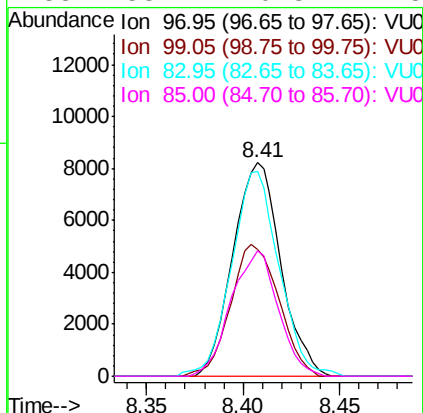
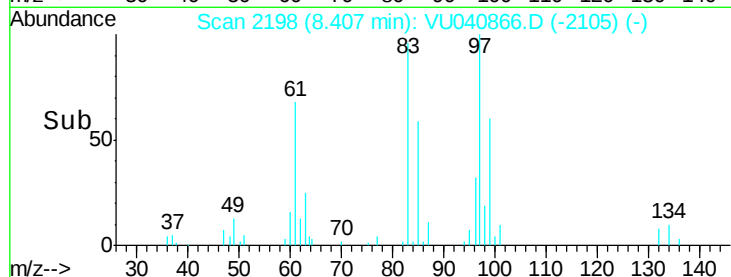
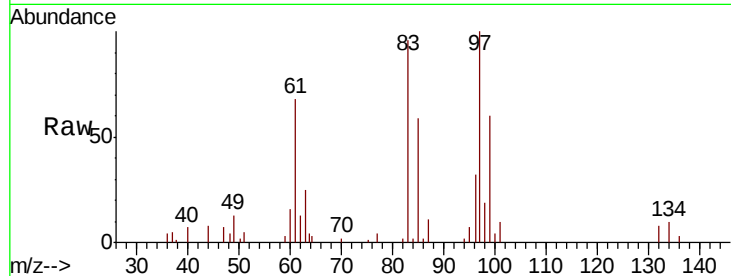




#45
 1,1,2-Trichloroethane
 Concen: 0.898 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

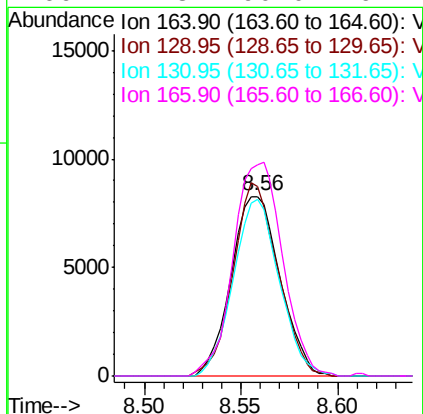
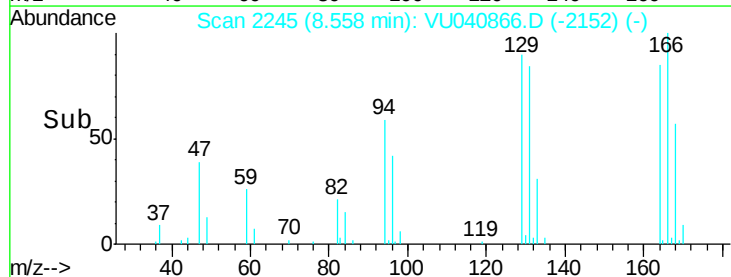
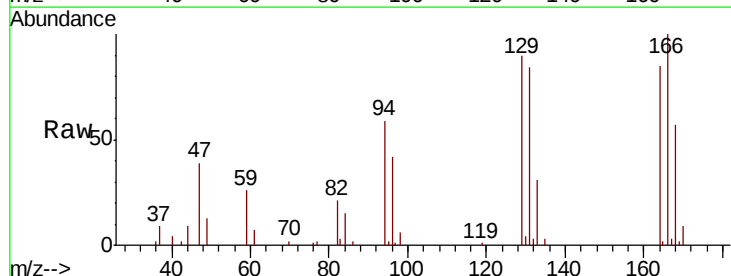
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

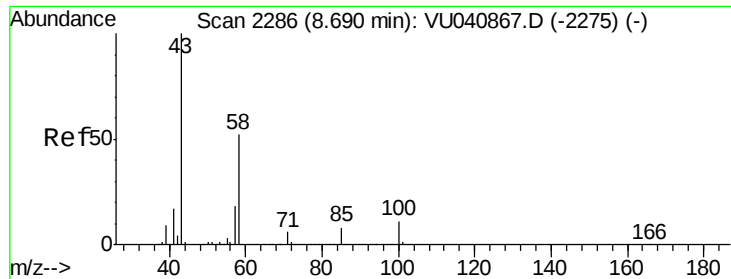
Tot Ion:	97	Resp:	14192
Ion	Ratio	Lower	Upper
97	100		
99	59.5	42.1	78.1
83	96.2	62.0	115.2
85	58.7	40.3	74.8



#47
 Tetrachloroethene
 Concen: 1.027 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion:	164	Resp:	14621
Ion	Ratio	Lower	Upper
164	100		
129	105.7	69.7	129.4
131	98.6	65.4	121.4
166	117.8	90.0	167.2

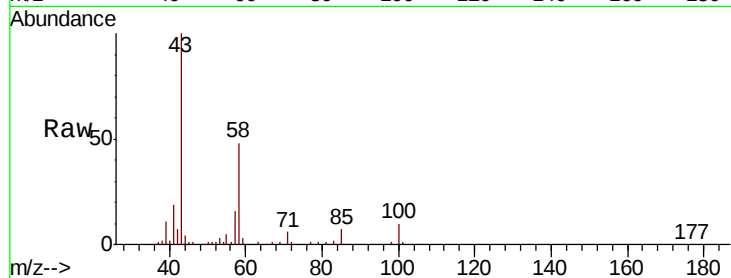




#48
2-Hexanone
Concen: 7.331 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	40.9	61.3
57	17.5	14.4	21.6
100	10.3	8.3	12.5

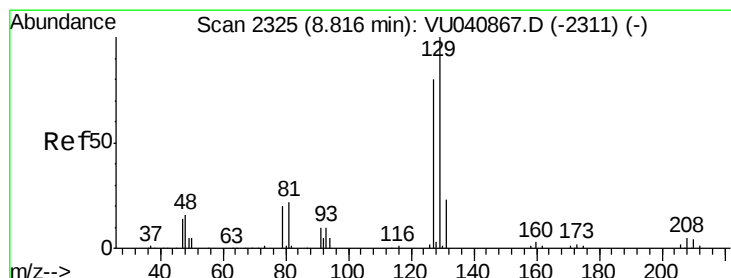
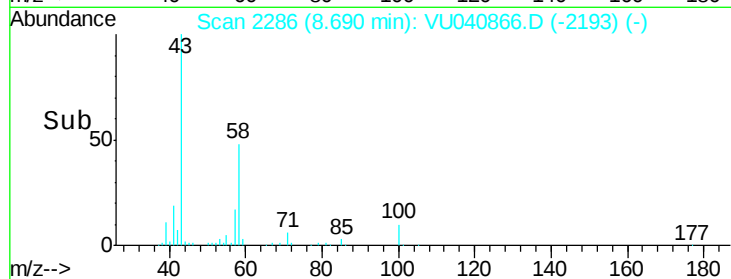
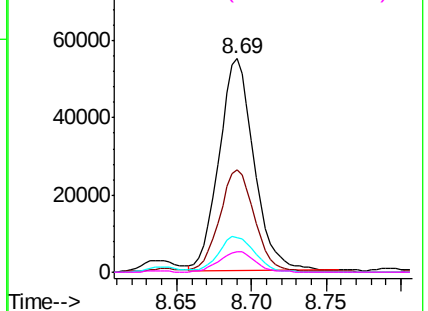


Abundance Ion 43.05 (42.75 to 43.75): VU040866.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040866.D (-2193) (-)

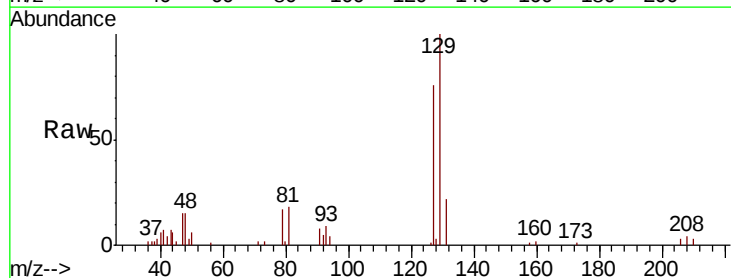
Ion 57.20 (56.90 to 57.90): VU040866.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040866.D (-2193) (-)



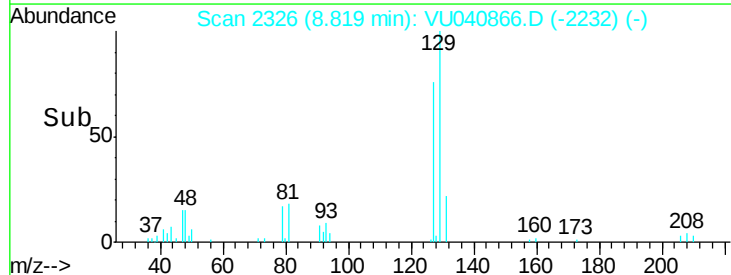
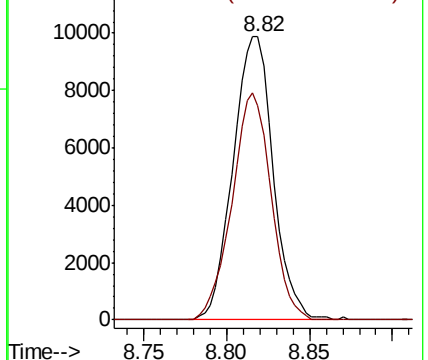
#49
Dibromochloromethane
Concen: 0.915 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

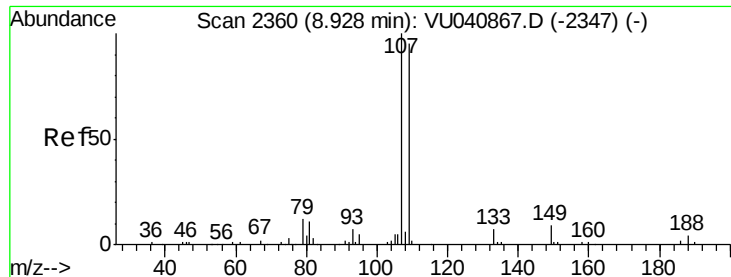
Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	55.9	103.9



Abundance Ion 128.95 (128.65 to 129.65): VU040866.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040866.D (-2232) (-)

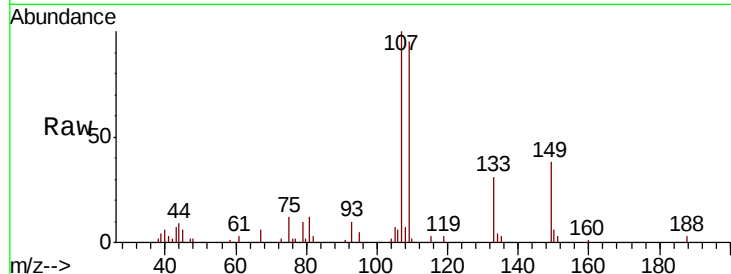




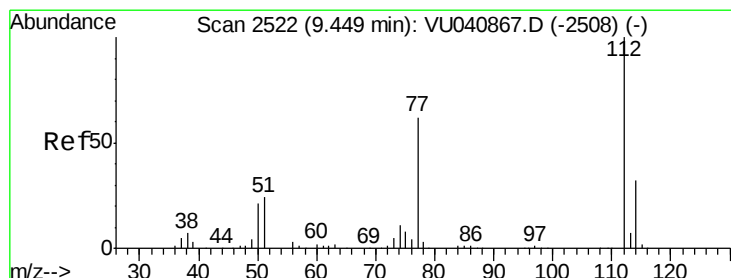
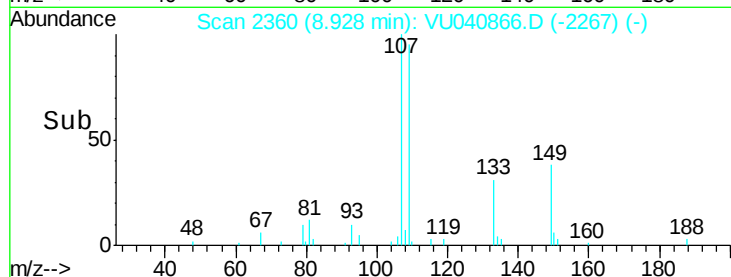
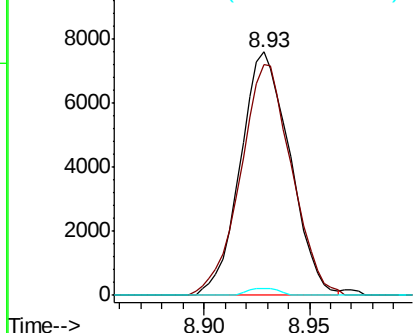
#50
1,2-Dibromoethane
Concen: 0.825 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion:107 Resp: 12408
Ion Ratio Lower Upper
107 100
109 94.7 66.2 123.0
188 2.7 3.1 4.7#

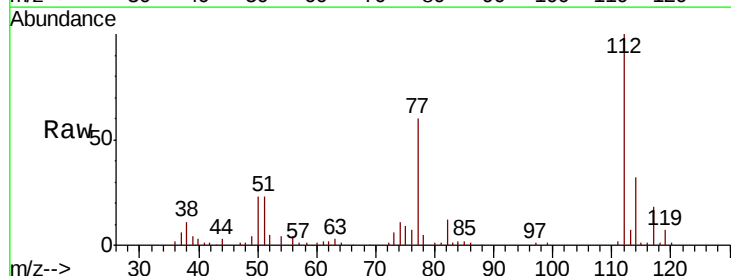


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

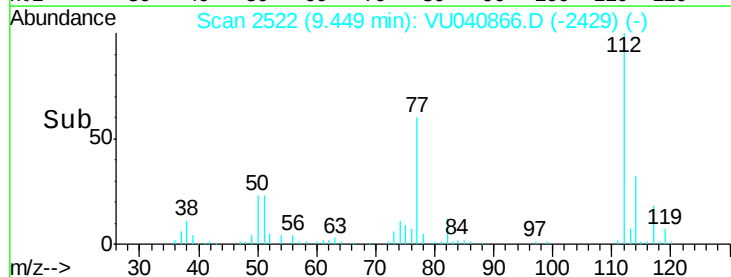
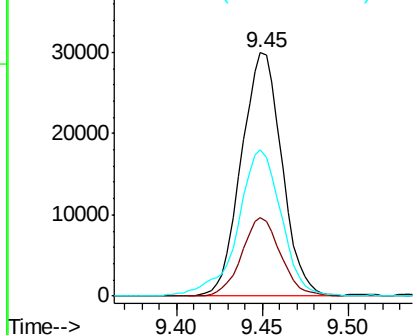


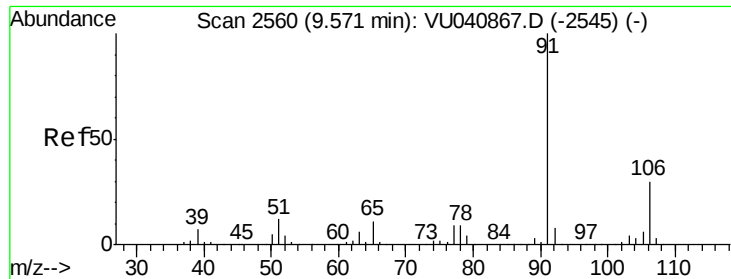
#51
Chlorobenzene
Concen: 0.950 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion:112 Resp: 49035
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 60.3 49.8 74.6



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: 0.866 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

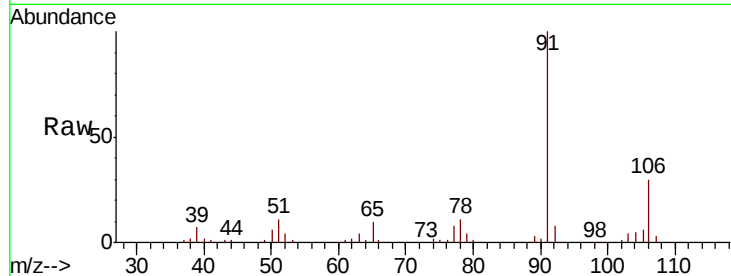
VSTD00101

Tot Ion: 91 Resp: 73244

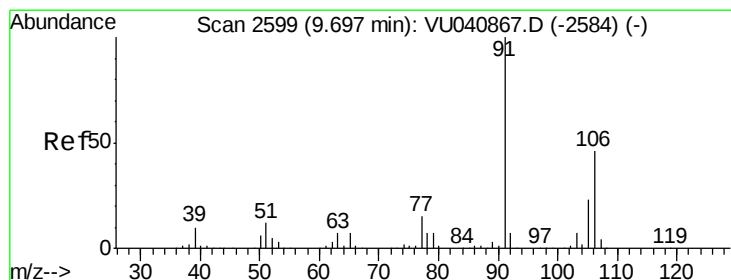
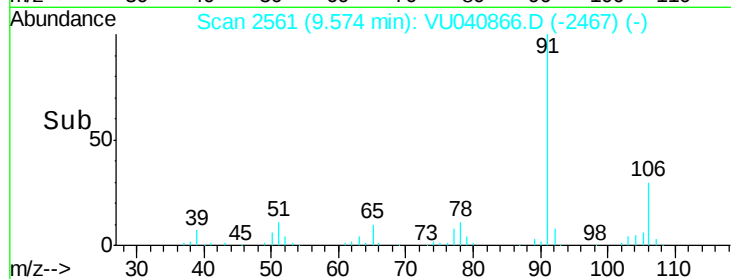
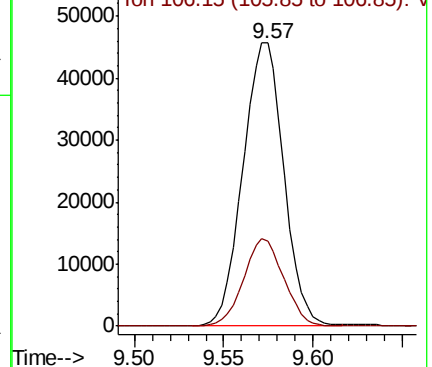
Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU040866.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.849 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040866.D

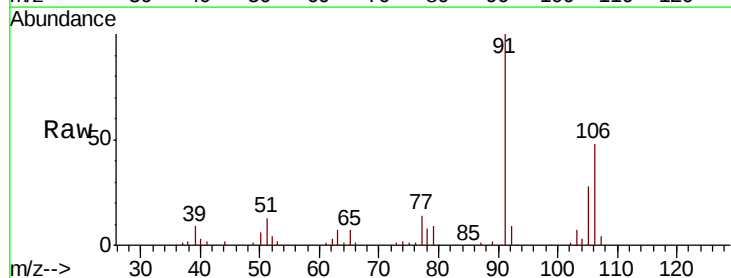
Acq: 21 Oct 2020 11:50

Tgt Ion:106 Resp: 26122

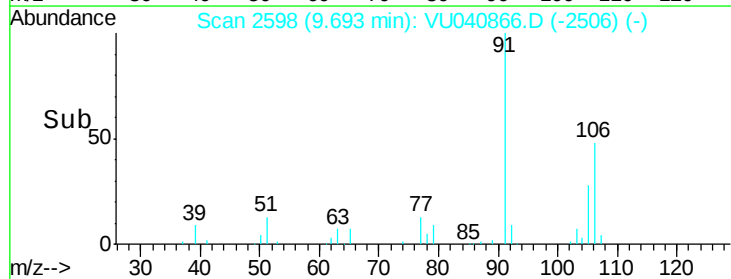
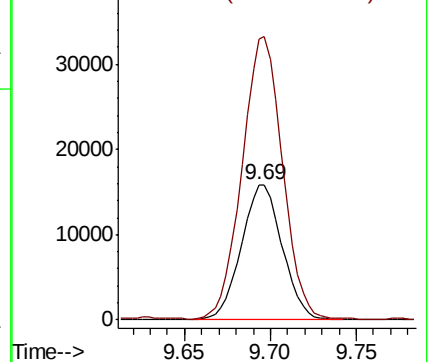
Ion Ratio Lower Upper

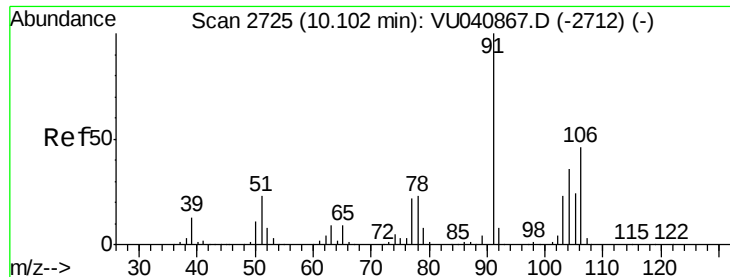
106 100

91 207.0 153.3 284.7



Abundance Ion 106.15 (105.85 to 106.85): VU040866.D (-2506) (-)

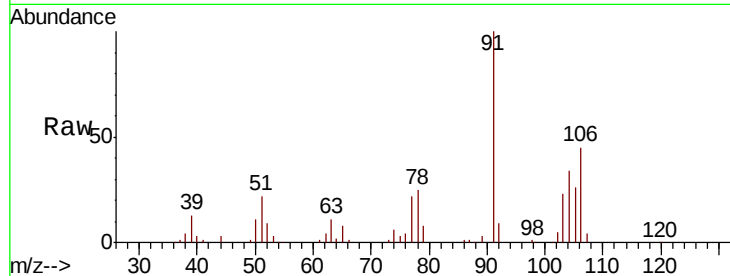




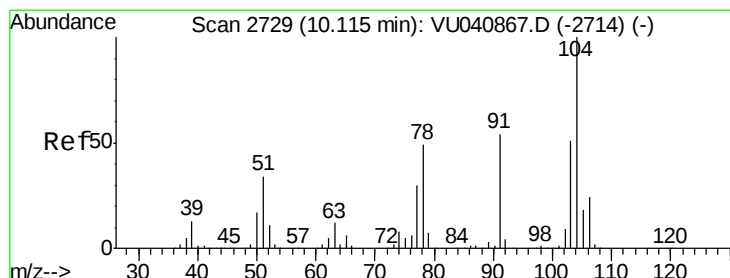
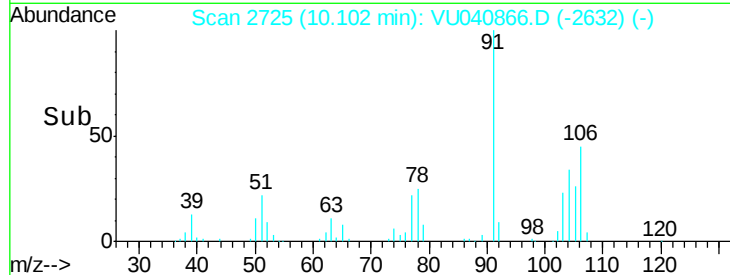
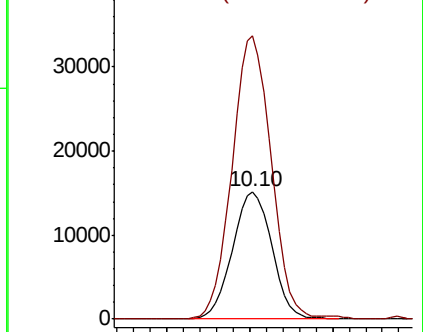
#54
o-Xylene
Concen: 0.851 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00101

Tot Ion:106 Resp: 25087
Ion Ratio Lower Upper
106 100
91 221.5 153.6 285.2

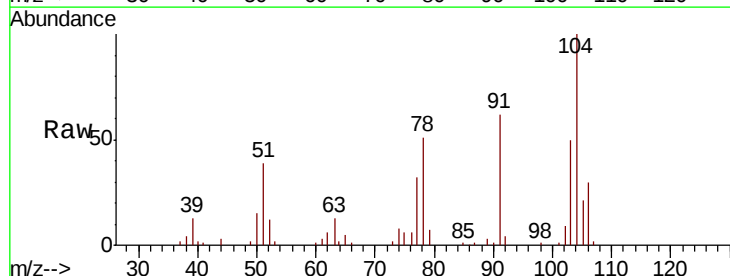


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

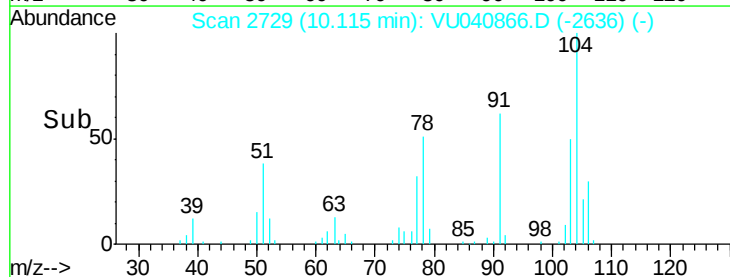
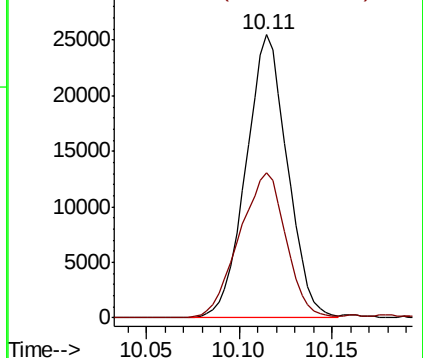


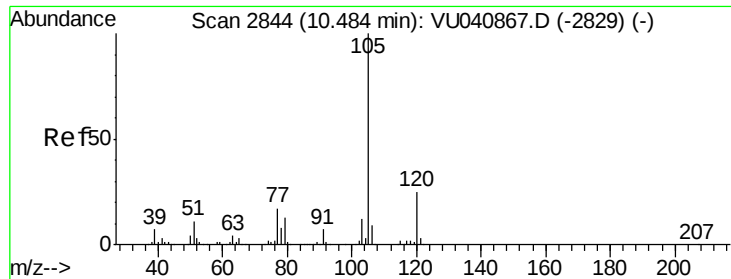
#55
Styrene
Concen: 0.770 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040866.D
Acq: 21 Oct 2020 11:50

Tgt Ion:104 Resp: 39598
Ion Ratio Lower Upper
104 100
78 51.3 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: 0.805 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampled :

VSTD00101

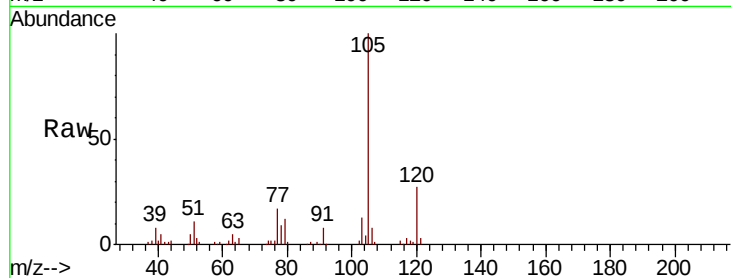
Tot Ion:105 Resp: 64125

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.4

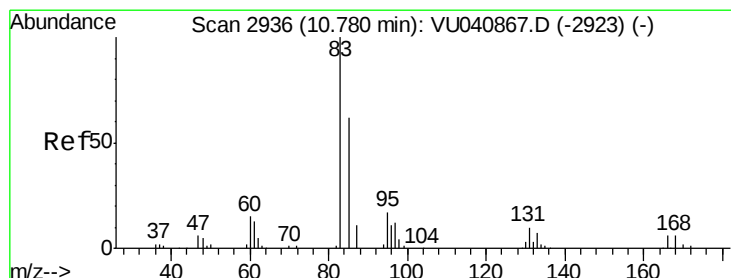
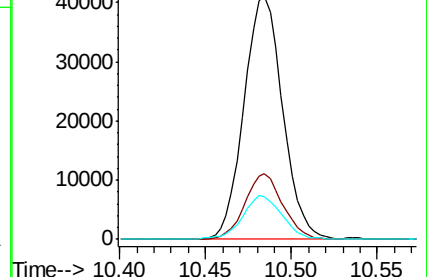
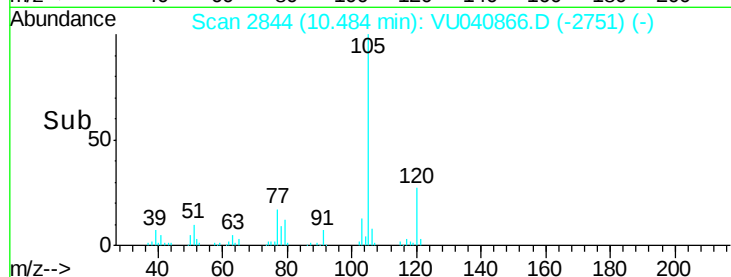
77 18.3 13.6 20.4



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: 0.811 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

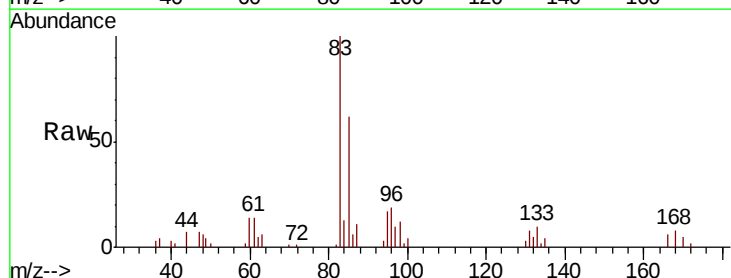
Tgt Ion: 83 Resp: 16793

Ion Ratio Lower Upper

83 100

85 61.7 44.1 81.9

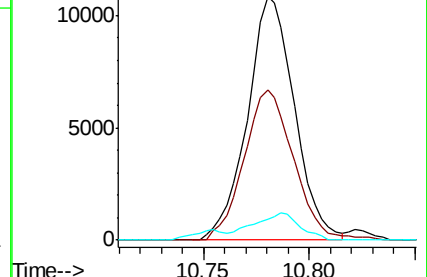
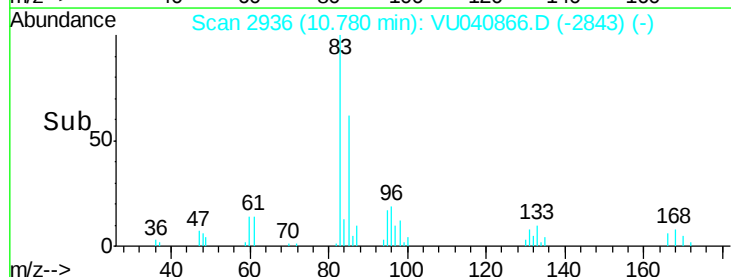
131 8.4 8.1 12.1

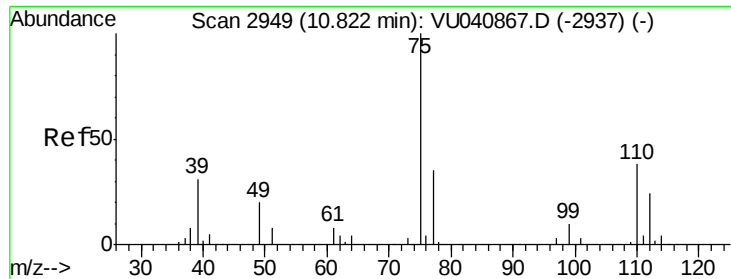


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

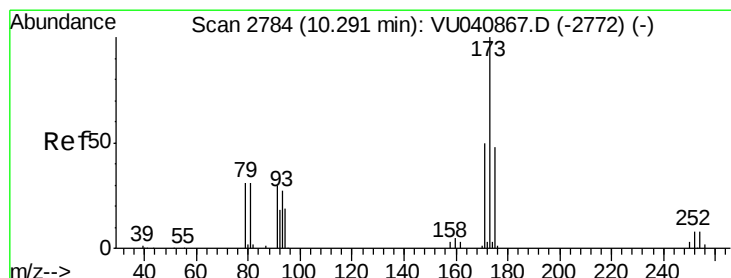
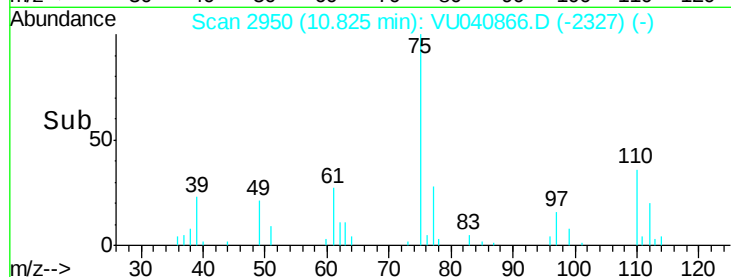
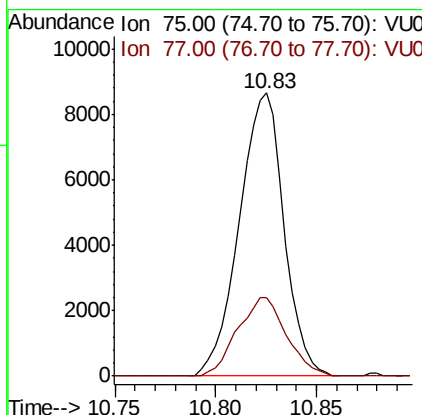
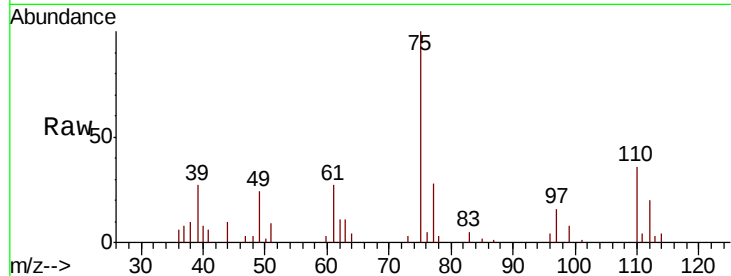




#59
 1,2,3-Trichloropropane
 Concen: 0.869 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

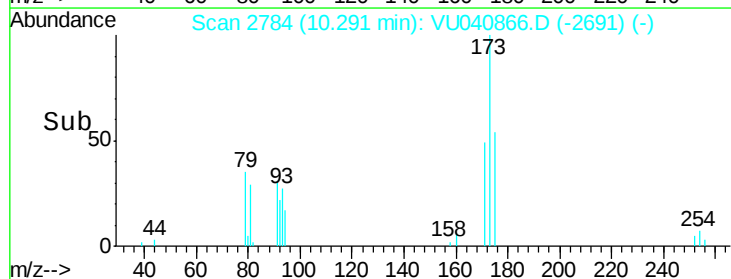
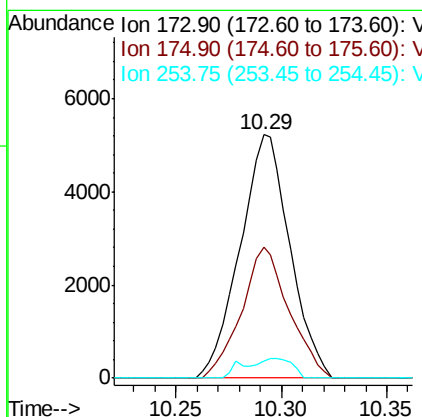
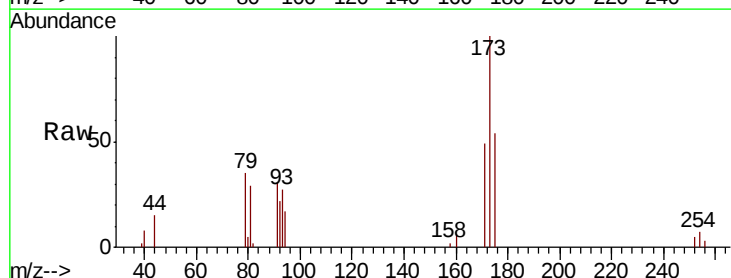
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

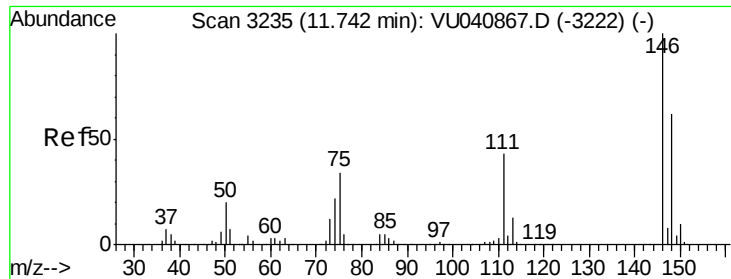
Tot Ion: 75 Resp: 13421
 Ion Ratio Lower Upper
 75 100
 77 30.3 27.5 41.3



#61
 Bromoform
 Concen: 0.887 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 173 Resp: 8556
 Ion Ratio Lower Upper
 173 100
 175 51.2 39.0 58.6
 254 5.5 6.9 10.3#





#62

1,3-Dichlorobenzene

Concen: 0.939 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

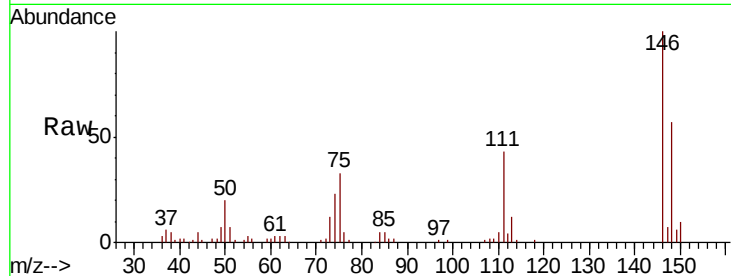
Tot Ion:146 Resp: 35568

Ion Ratio Lower Upper

146 100

111 42.7 30.2 56.2

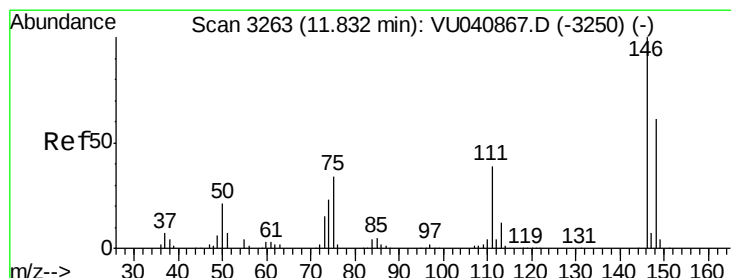
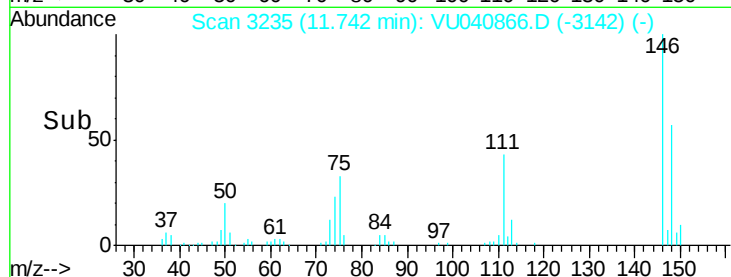
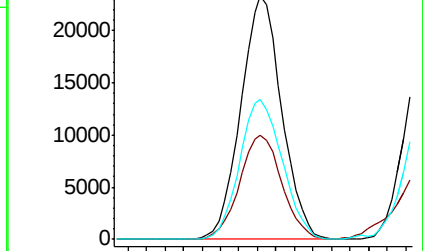
148 57.3 43.7 81.1



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: 0.921 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

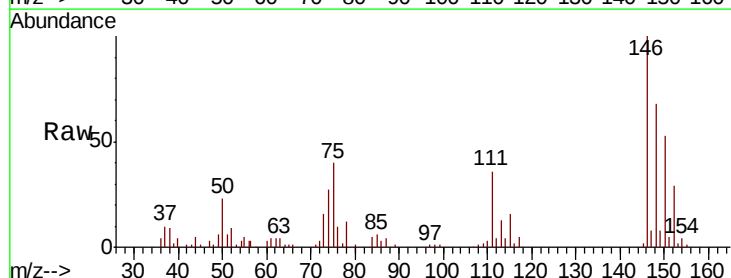
Tgt Ion:146 Resp: 35935

Ion Ratio Lower Upper

146 100

111 36.3 27.6 51.4

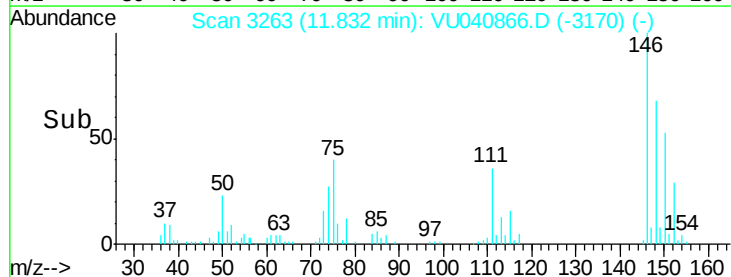
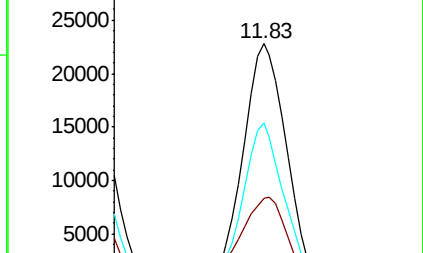
148 67.6 42.4 78.8

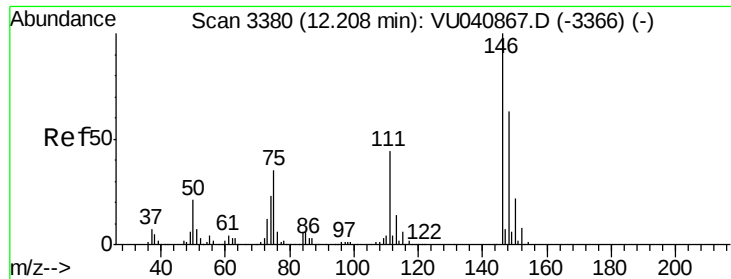


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

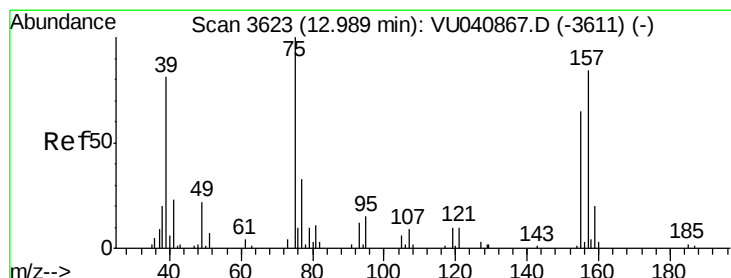
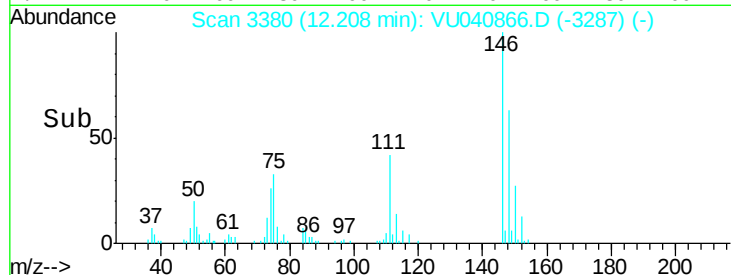
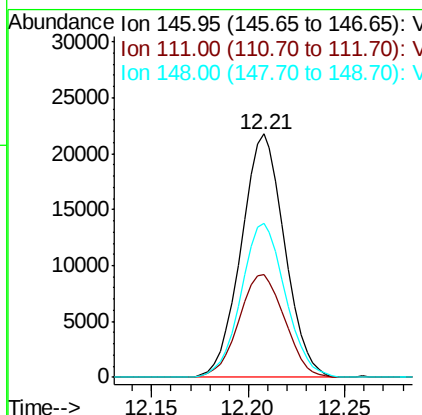
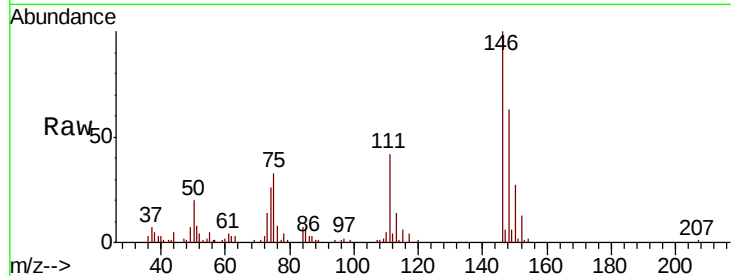




#65
 1,2-Dichlorobenzene
 Concen: 0.925 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

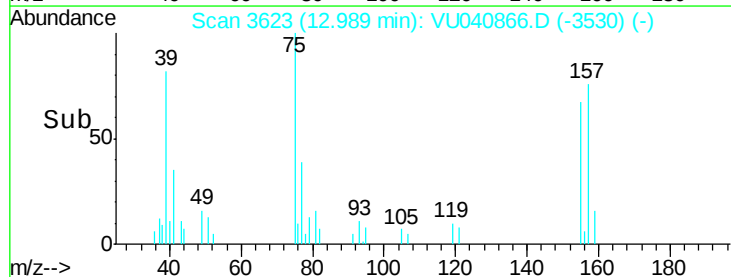
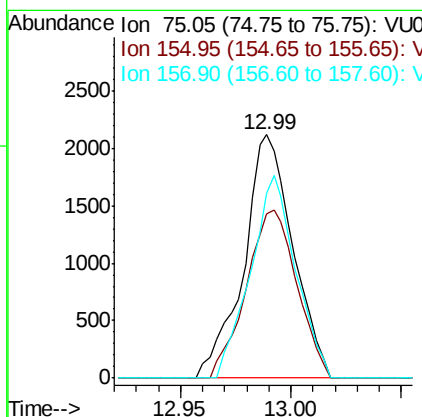
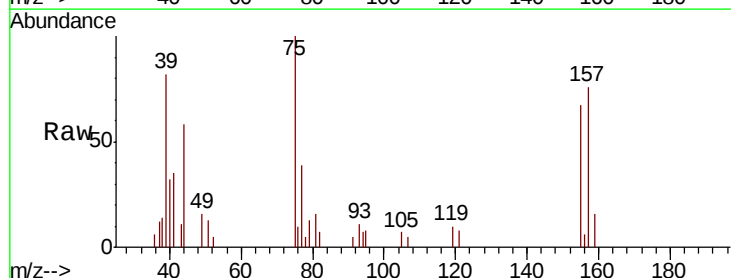
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

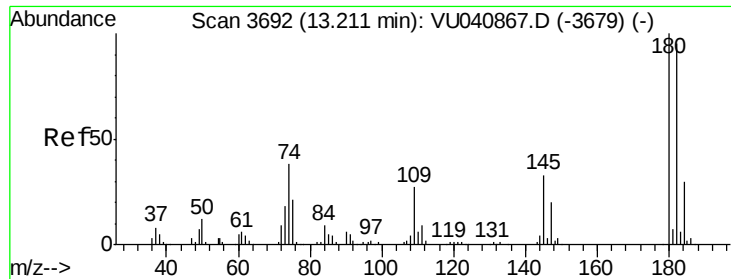
Tot Ion:146 Resp: 33964
 Ion Ratio Lower Upper
 146 100
 111 42.0 35.4 53.2
 148 63.3 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.025 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion: 75 Resp: 3287
 Ion Ratio Lower Upper
 75 100
 155 67.3 51.7 77.5
 157 75.9 66.9 100.3

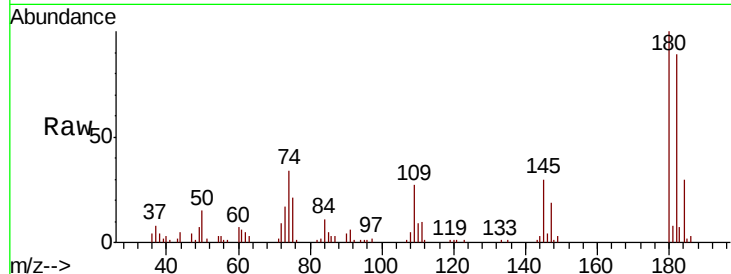




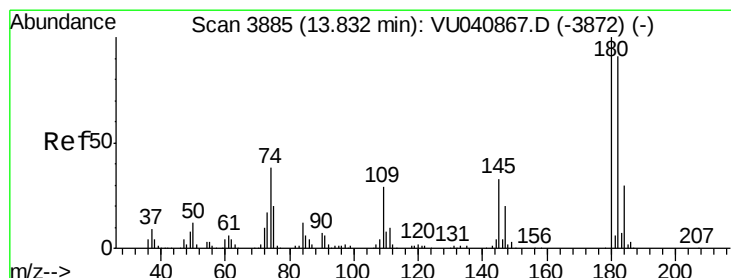
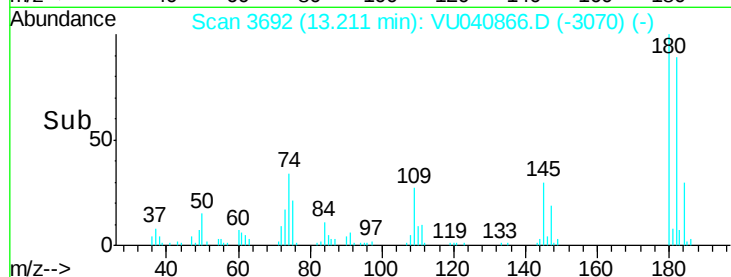
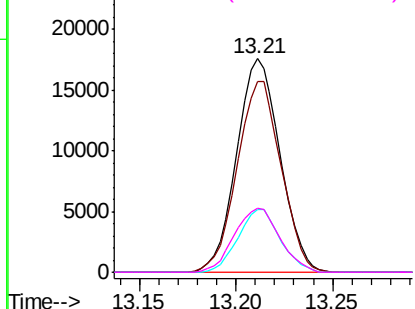
#67
 1,3,5-Trichlorobenzene
 Concen: 1.018 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00101

Tot Ion:180 Resp: 27358
 Ion Ratio Lower Upper
 180 100
 182 90.5 77.6 116.4
 184 28.7 24.7 37.1
 145 31.4 25.9 38.9

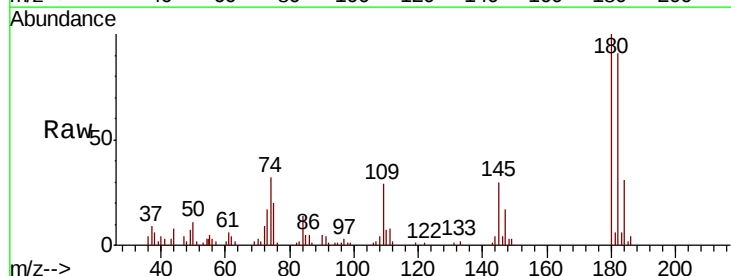


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

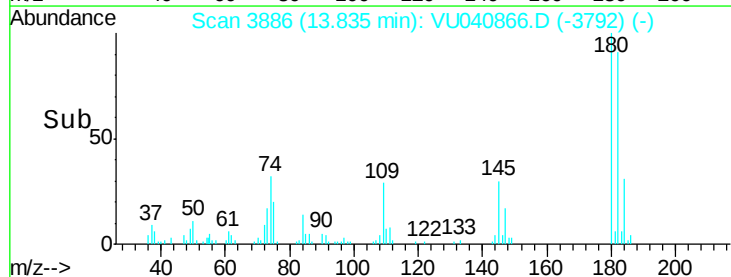
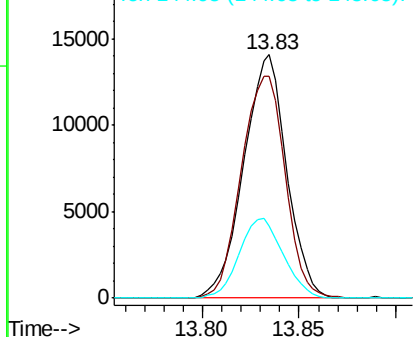


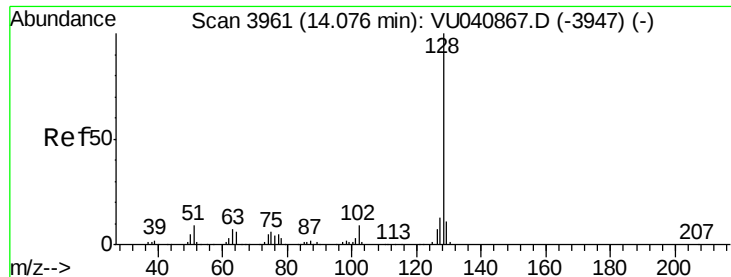
#68
 1,2,4-trichlorobenzene
 Concen: 1.033 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040866.D
 Acq: 21 Oct 2020 11:50

Tgt Ion:180 Resp: 21671
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.4 114.6
 145 33.7 26.2 39.2



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: 1.005 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00101

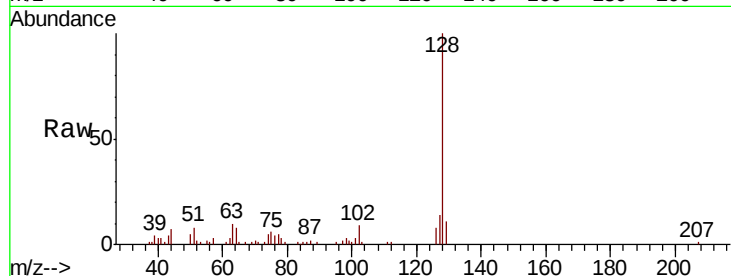
Tot Ion:128 Resp: 35282

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

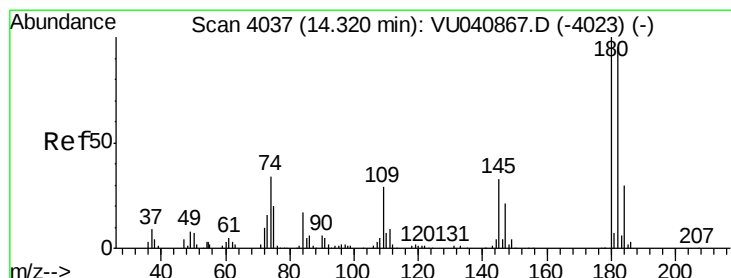
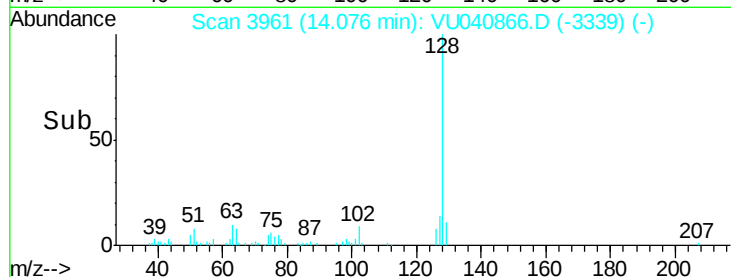
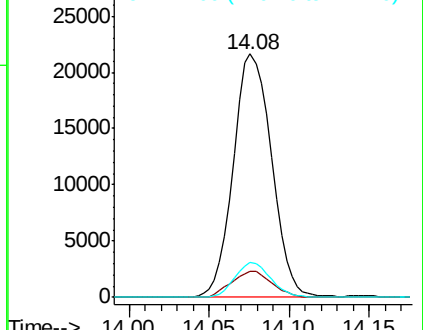
127 13.3 10.3 15.5



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: 1.075 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU040866.D

Acq: 21 Oct 2020 11:50

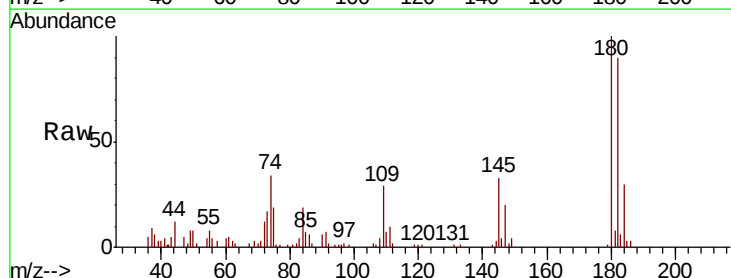
Tgt Ion:180 Resp: 20963

Ion Ratio Lower Upper

180 100

182 89.9 75.8 113.6

145 34.7 28.2 42.2



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

