

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040174.D
 Acq On : 17 Sep 2020 02:58
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Sep 17 03:43:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129084	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125036	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60683	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32001	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.92	69	29061	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	84393	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	4.66	46	134344	47.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.32%
24) Chloroform-d	5.08	84	68839	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	5.72	65	43134	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.75	84	129754	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.70	67	43329	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.91	98	112874	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	18498	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.64	63	101467	48.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39016	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	41966	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	59095	4.613	ug/L 99
3) Chloromethane	1.53	50	54077	4.409	ug/L 96
5) Vinyl chloride	1.61	62	60330	4.852	ug/L 99
6) Bromomethane	1.87	94	26500	4.170	ug/L 96
8) Chloroethane	1.94	64	35865	4.800	ug/L 100
9) Trichlorofluoromethane	2.15	101	87917	4.936	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55744	4.828	ug/L 99
12) 1,1-Dichloroethene	2.59	96	52982	5.304	ug/L 93
13) Acetone	2.67	43	129709	49.704	ug/L 99
14) Carbon disulfide	2.81	76	143806	4.490	ug/L 100
15) Methyl Acetate	2.97	43	29689	4.533	ug/L 96
16) Methylene chloride	3.06	84	71312	5.451	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	155280	5.157	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	52910	4.924	ug/L 97
19) 1,1-Dichloroethane	3.89	63	112358	5.080	ug/L 99
21) 2-Butanone	4.74	43	214245	50.287	ug/L 100
22) cis-1,2-Dichloroethene	4.69	96	60607	5.245	ug/L 97

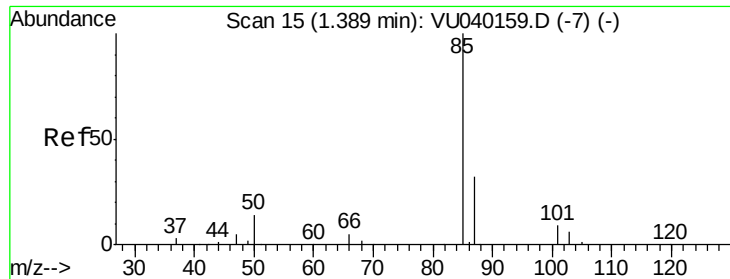
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	27314	5.395	ug/L	91
25) Chloroform	5.11	83	122392	5.403	ug/L	98
27) 1,2-Dichloroethane	5.81	62	82678	4.982	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	100178	5.103	ug/L	99
30) Cyclohexane	5.41	56	94670	4.973	ug/L	100
31) Carbon tetrachloride	5.54	117	83625	4.977	ug/L	96
33) Benzene	5.79	78	234649	5.246	ug/L	100
34) Trichloroethene	6.56	95	60888	5.075	ug/L	99
35) Methylcyclohexane	6.77	83	86028	4.682	ug/L	97
37) 1,2-Dichloropropane	6.80	63	63293	5.226	ug/L	99
38) Bromodichloromethane	7.11	83	83607	5.057	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	88526	4.956	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	507630	51.081	ug/L	100
42) Toluene	7.98	91	243894	5.294	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	81269	4.910	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	45085	5.110	ug/L	97
47) Tetrachloroethene	8.56	164	39819	5.052	ug/L	97
48) 2-Hexanone	8.69	43	370775	51.149	ug/L	99
49) Dibromochloromethane	8.82	129	53544	5.056	ug/L	95
50) 1,2-Dibromoethane	8.93	107	44134	5.188	ug/L	99
51) Chlorobenzene	9.45	112	152796	5.342	ug/L	97
52) Ethylbenzene	9.57	91	270576	5.170	ug/L	99
53) m,p-Xylene	9.69	106	97208	5.216	ug/L	94
54) o-Xylene	10.10	106	95115	5.356	ug/L	97
55) Styrene	10.11	104	169842	5.500	ug/L	98
56) Isopropylbenzene	10.48	105	263531	5.442	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58639	5.183	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	43973	4.900	ug/L	98
61) Bromoform	10.29	173	28396	5.102	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	117861	5.314	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	119421	5.321	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	112092	5.223	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10215	4.450	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	77878	4.994	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	69001	5.137	ug/L	99
69) Naphthalene	14.08	128	153128	5.469	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	63761	5.168	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.613 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

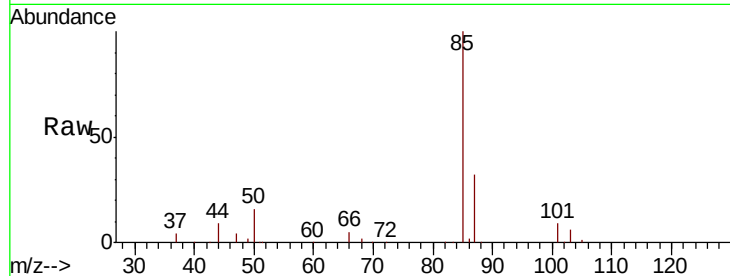
VSTD00510

Tot Ion: 85 Resp: 59095

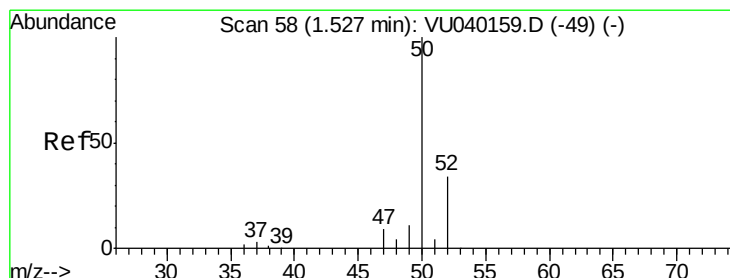
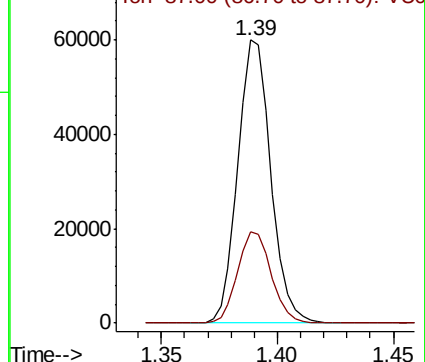
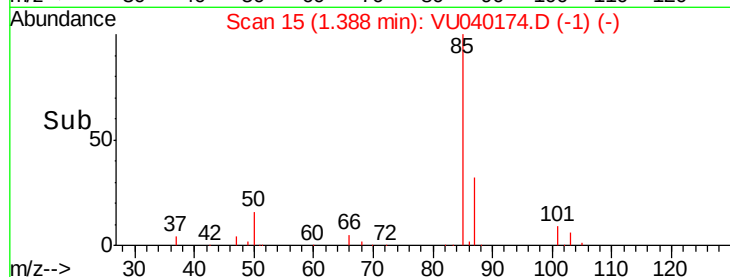
Ion Ratio Lower Upper

85 100

87 32.9 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040174.D (-1) (-)



#3

Chloromethane

Concen: 4.409 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040174.D

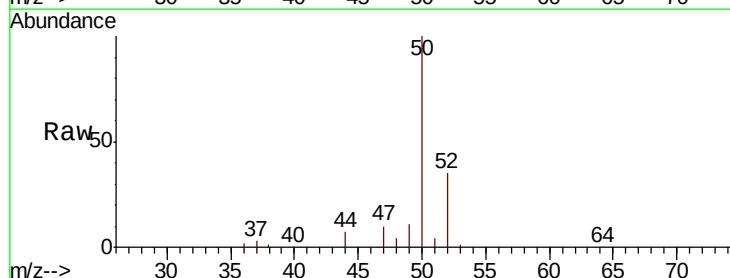
Acq: 17 Sep 2020 02:58

Tgt Ion: 50 Resp: 54077

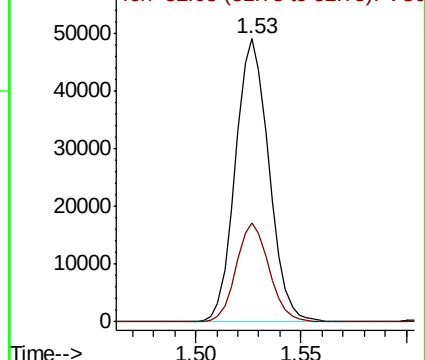
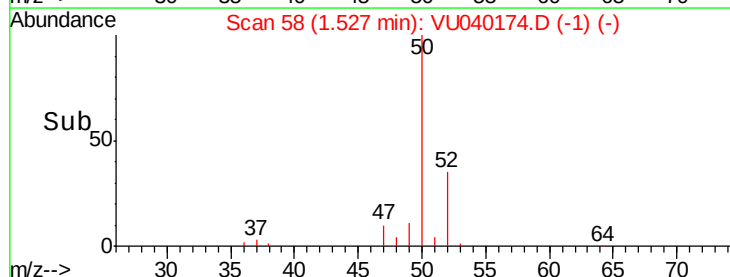
Ion Ratio Lower Upper

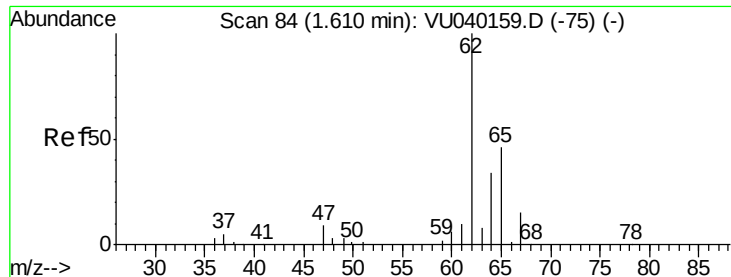
50 100

52 35.0 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040174.D (-1) (-)





#5

Vinyl chloride

Concen: 4.852 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

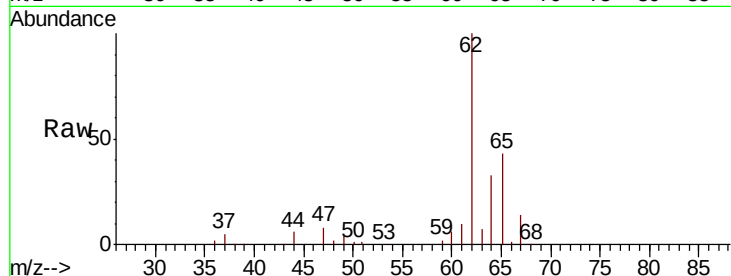
VSTD00510

Tot Ion: 62 Resp: 60330

Ion Ratio Lower Upper

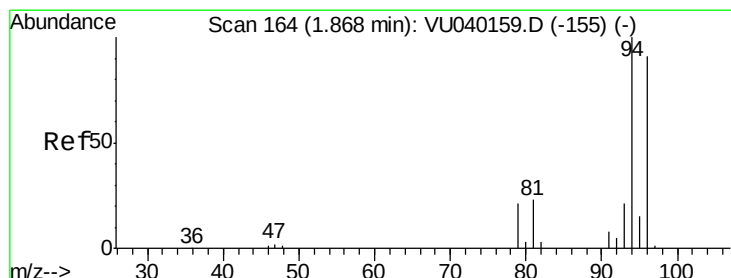
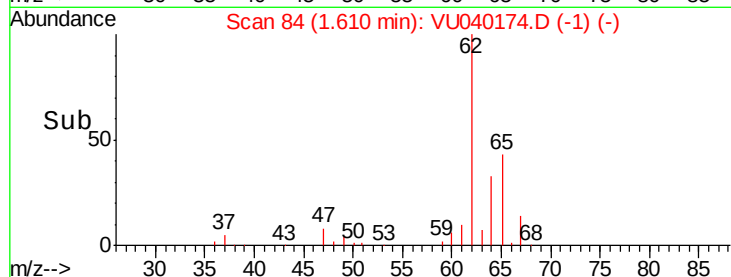
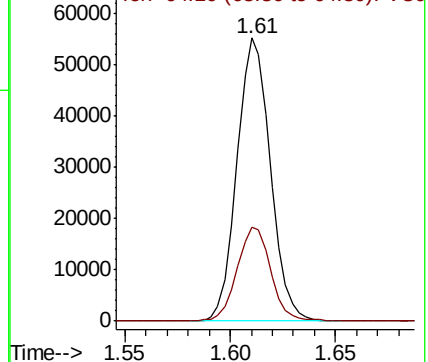
62 100

64 33.4 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.170 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040174.D

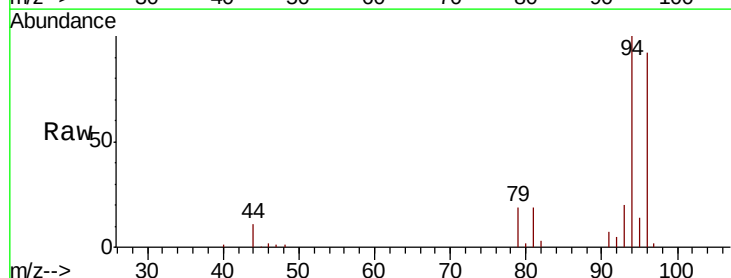
Acq: 17 Sep 2020 02:58

Tgt Ion: 94 Resp: 26500

Ion Ratio Lower Upper

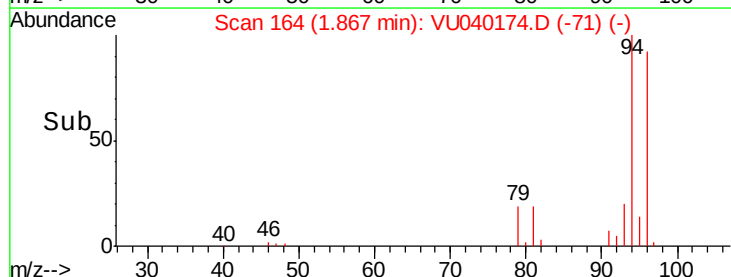
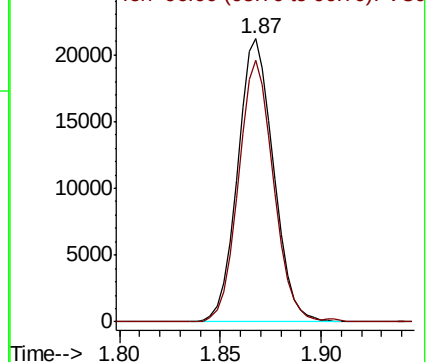
94 100

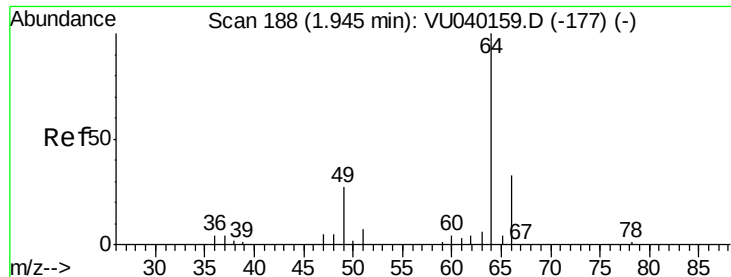
96 92.3 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.800 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

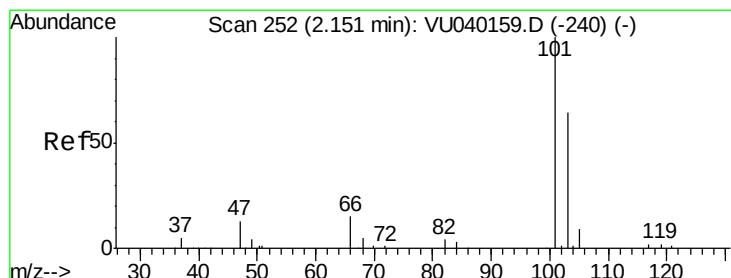
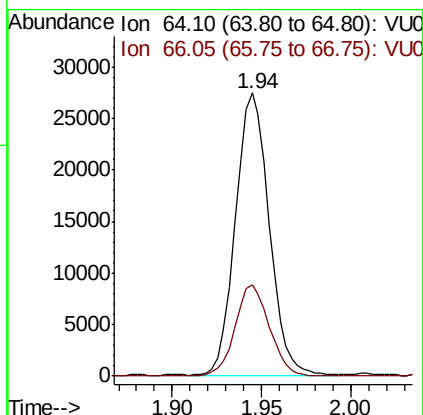
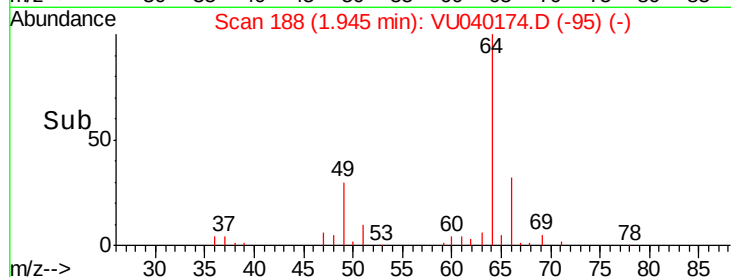
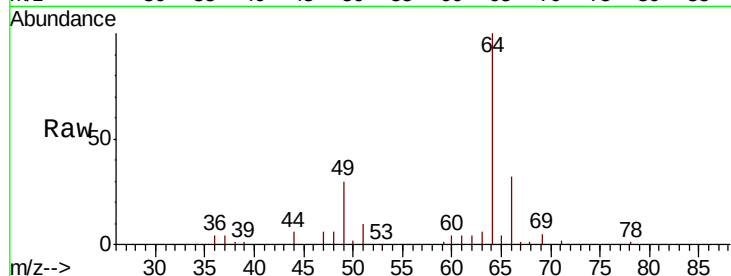
VSTD00510

Tot Ion: 64 Resp: 35865

Ion Ratio Lower Upper

64 100

66 32.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 4.936 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU040174.D

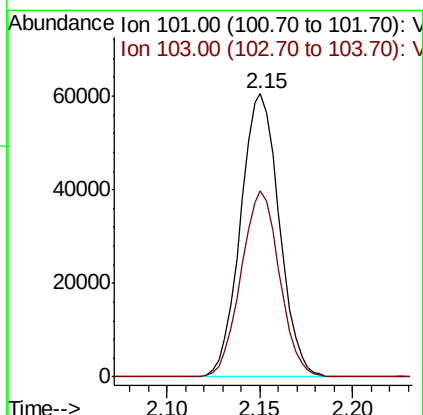
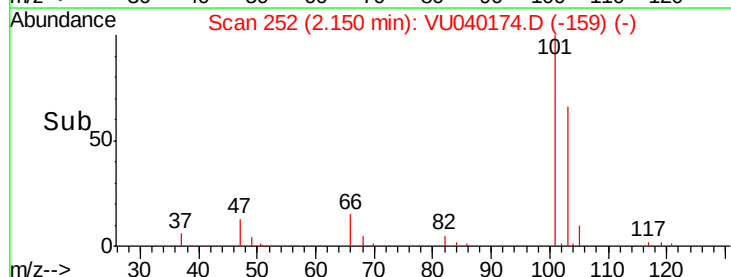
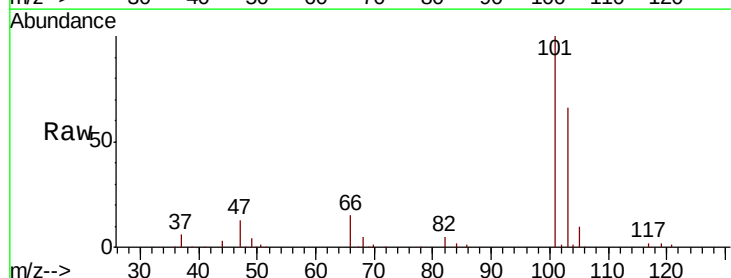
Acq: 17 Sep 2020 02:58

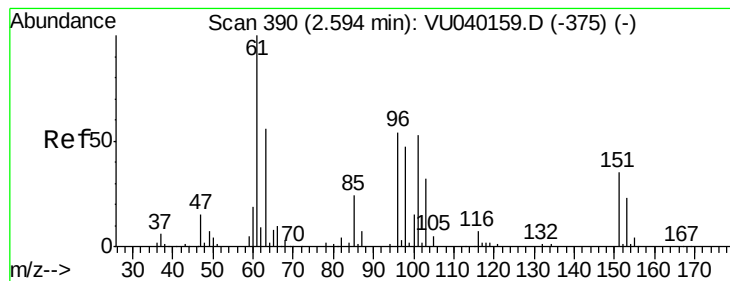
Tgt Ion: 101 Resp: 87917

Ion Ratio Lower Upper

101 100

103 65.4 51.3 76.9





#10

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

Concen: 4.828 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

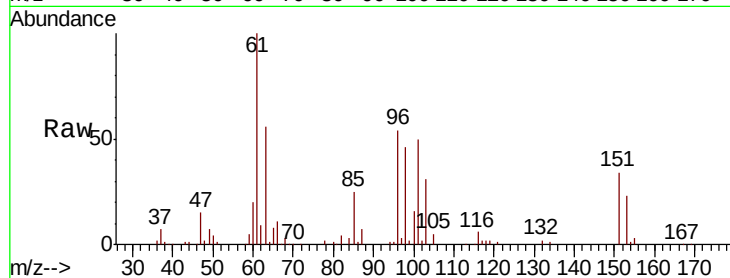
Tot Ion:101 Resp: 55744

Ion Ratio Lower Upper

101 100

85 48.3 37.7 56.5

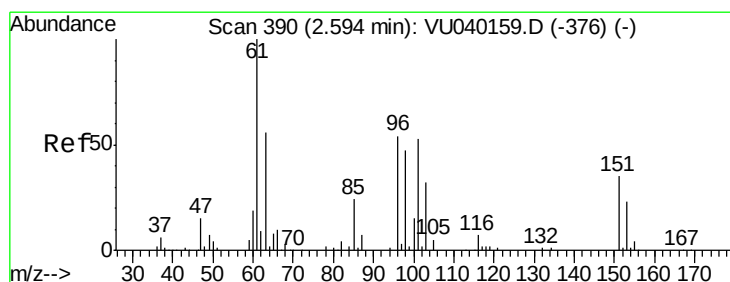
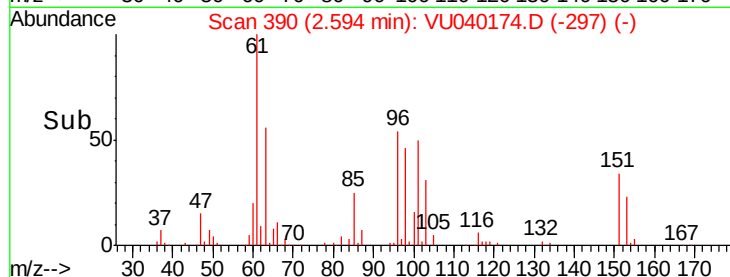
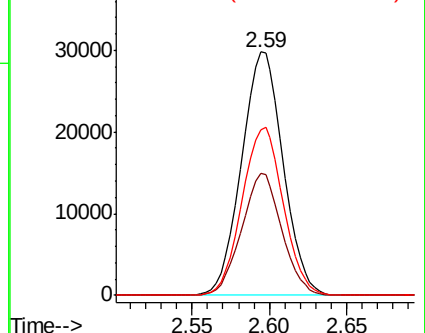
151 68.4 53.9 80.9



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: 5.304 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

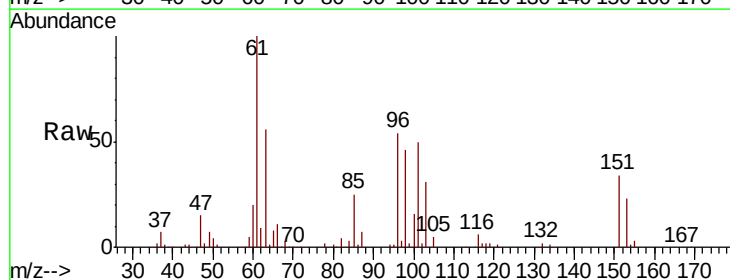
Tgt Ion: 96 Resp: 52982

Ion Ratio Lower Upper

96 100

61 186.2 138.3 256.8

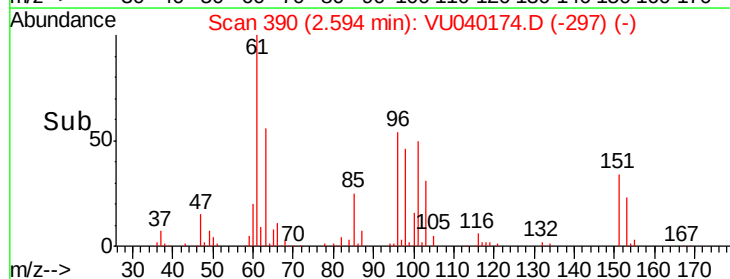
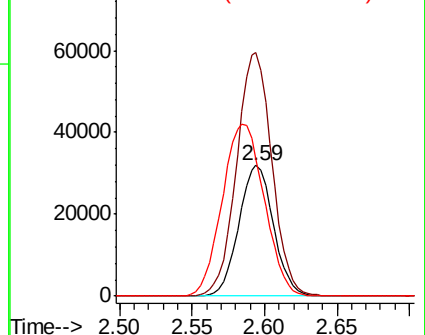
63 104.9 77.6 144.2

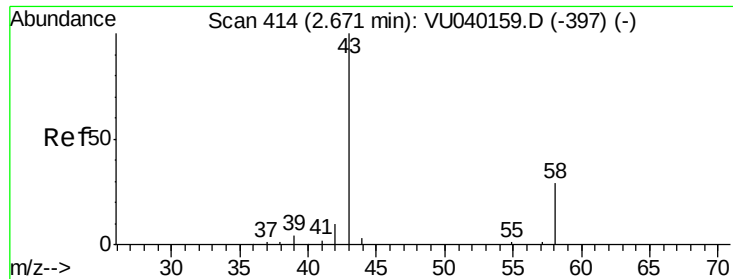


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.704 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

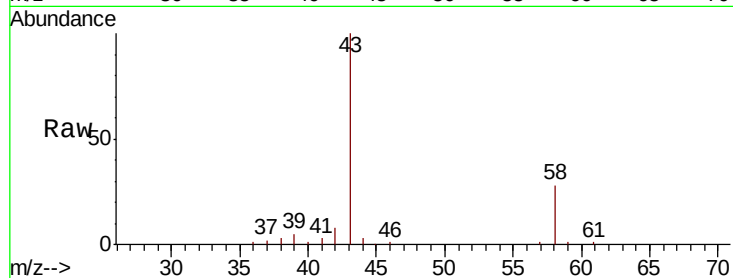
VSTD00510

Tot Ion: 43 Resp: 129709

Ion Ratio Lower Upper

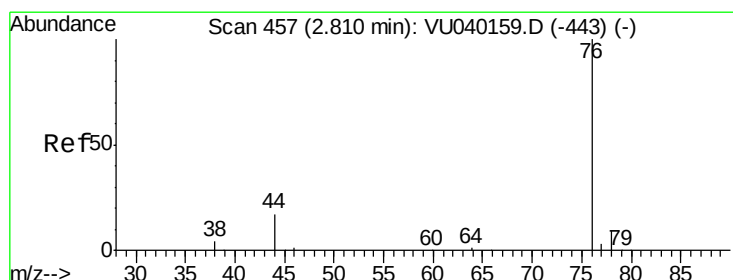
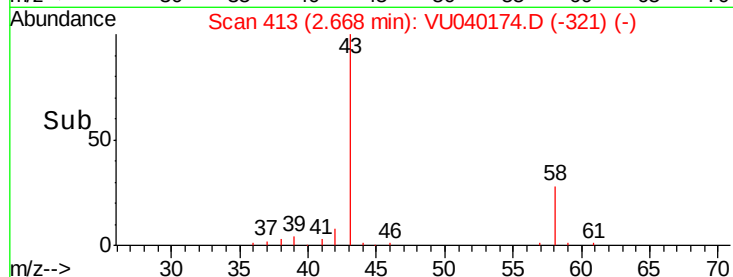
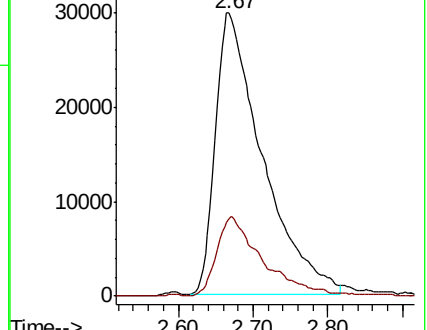
43 100

58 27.4 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040159.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU040159.D (-397) (-)



#14

Carbon disulfide

Concen: 4.490 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU040174.D

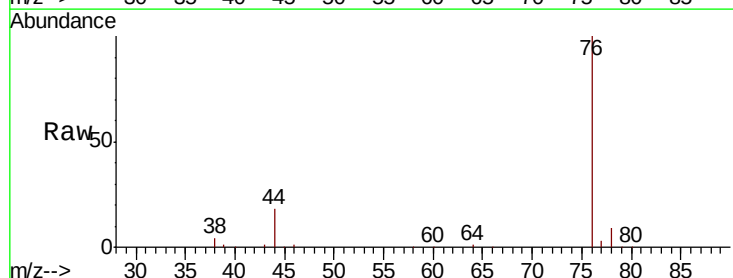
Acq: 17 Sep 2020 02:58

Tgt Ion: 76 Resp: 143806

Ion Ratio Lower Upper

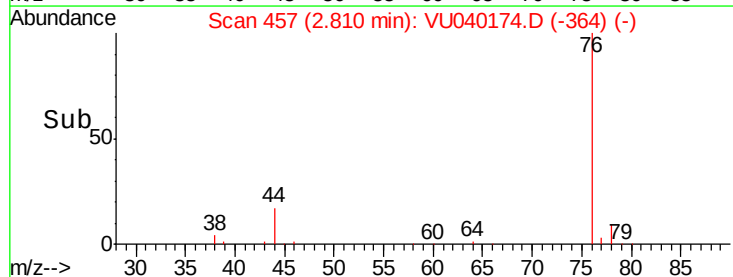
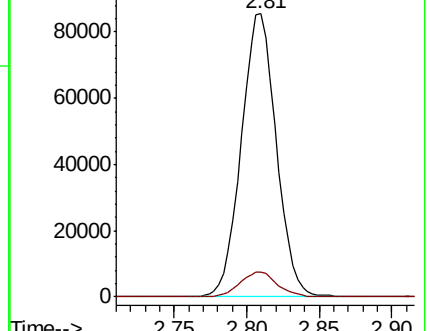
76 100

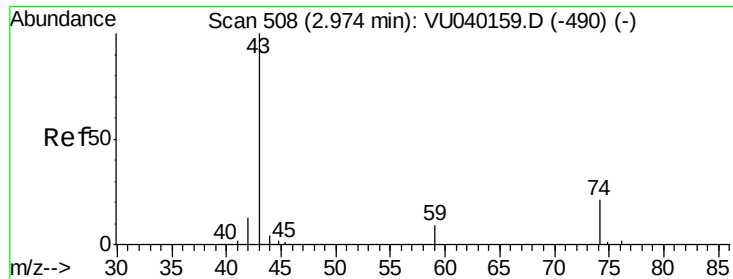
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040159.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040159.D (-443) (-)

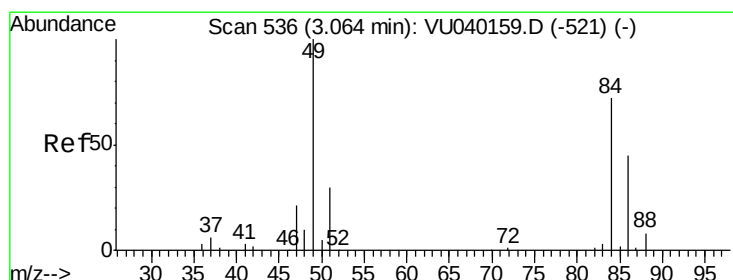
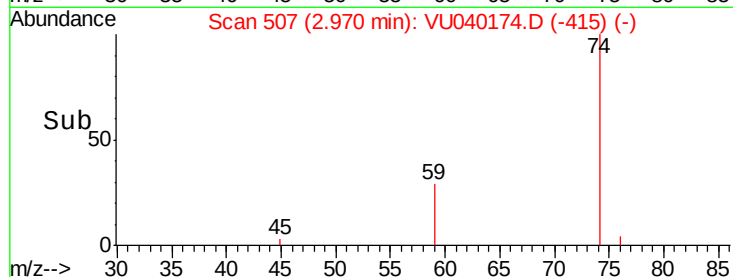
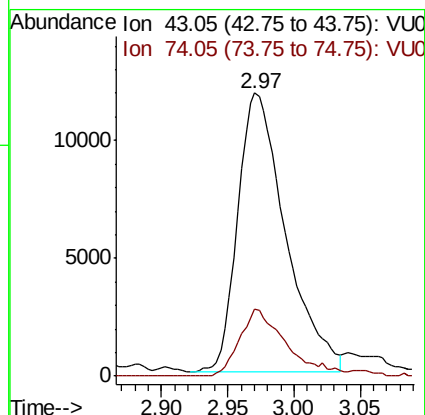
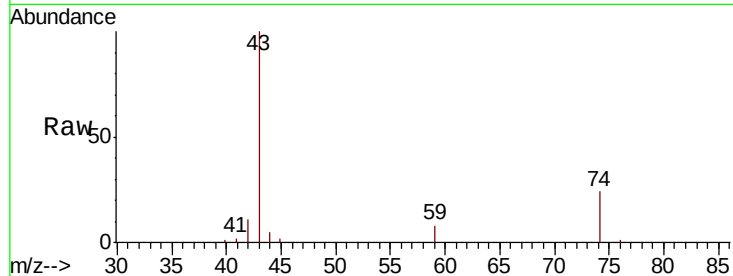




#15
Methyl Acetate
Concen: 4.533 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

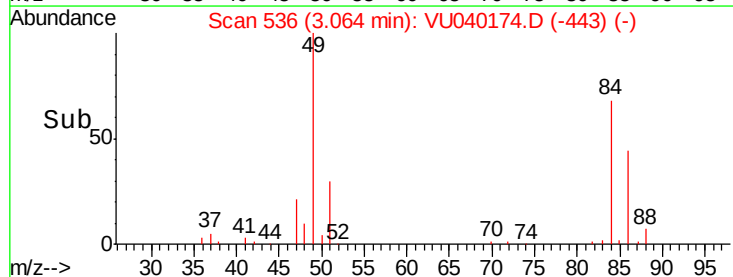
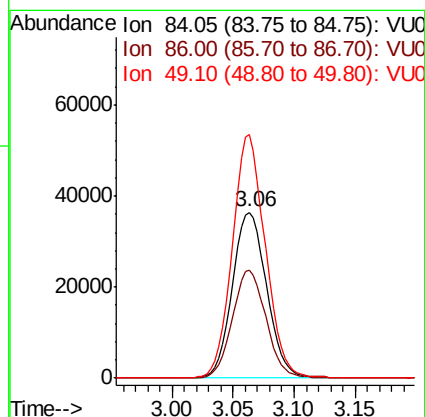
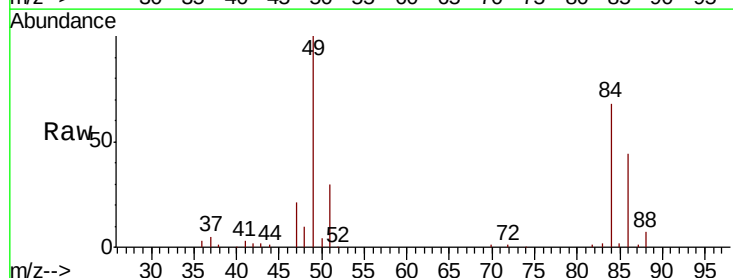
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

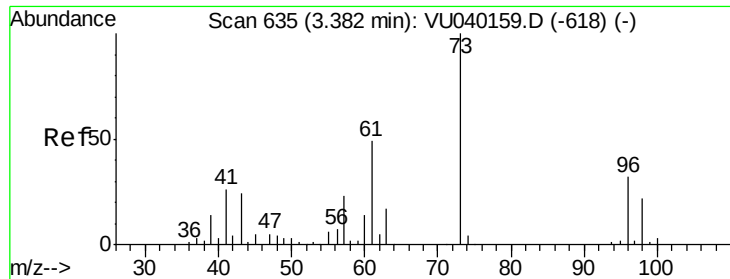
Tot Ion: 43 Resp: 29689
Ion Ratio Lower Upper
43 100
74 23.4 17.4 26.0



#16
Methylene chloride
Concen: 5.451 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Tgt Ion: 84 Resp: 71312
Ion Ratio Lower Upper
84 100
86 65.2 45.2 84.0
49 146.6 104.0 193.2



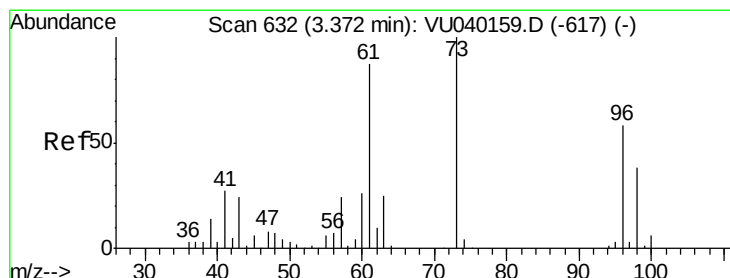
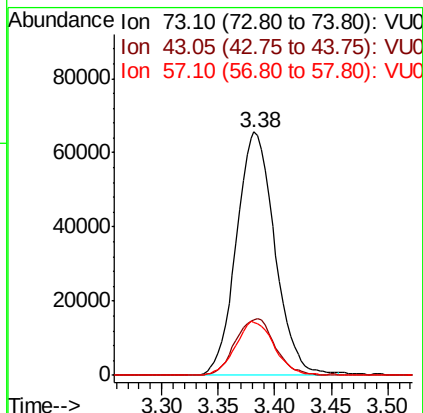
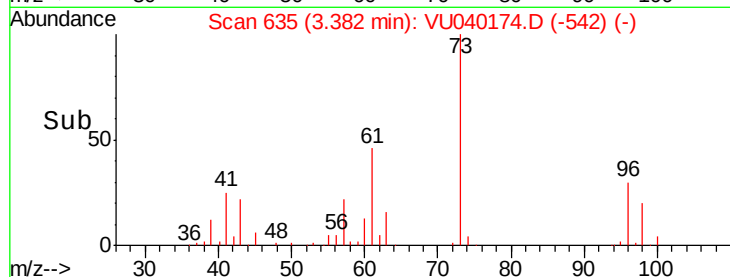
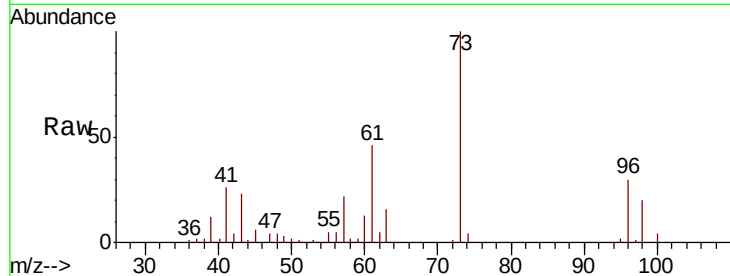


#17

Methyl tert-butyl Ether
 Concen: 5.157 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

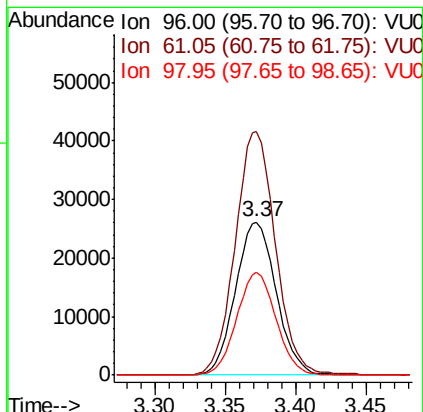
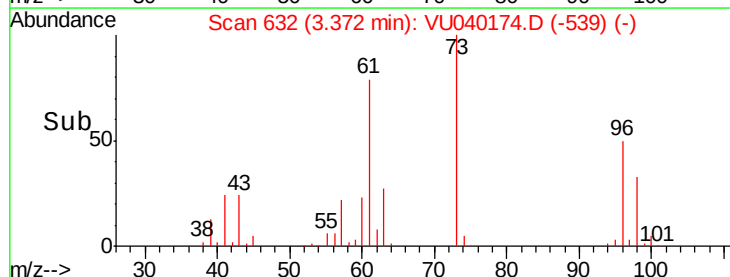
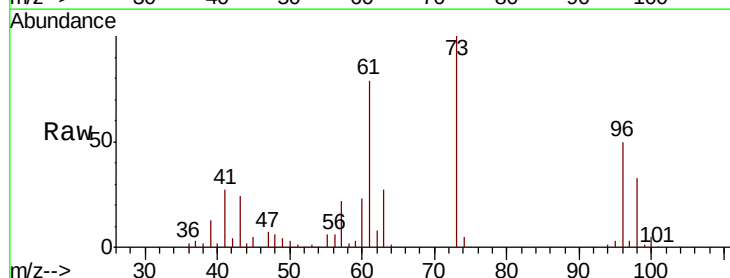
Tot Ion: 73 Resp: 155280
 Ion Ratio Lower Upper
 73 100
 43 24.0 19.1 28.7
 57 22.3 18.3 27.5

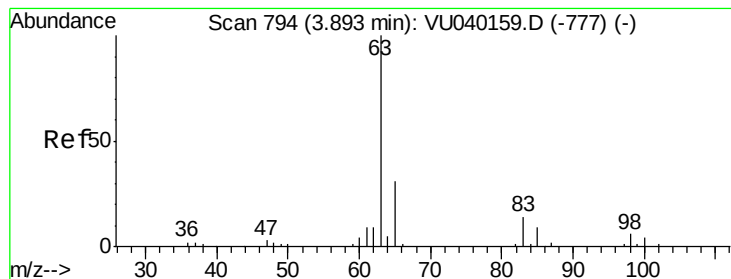


#18

trans-1,2-Dichloroethene
 Concen: 4.924 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion: 96 Resp: 52910
 Ion Ratio Lower Upper
 96 100
 61 159.4 110.5 205.3
 98 67.0 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.080 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

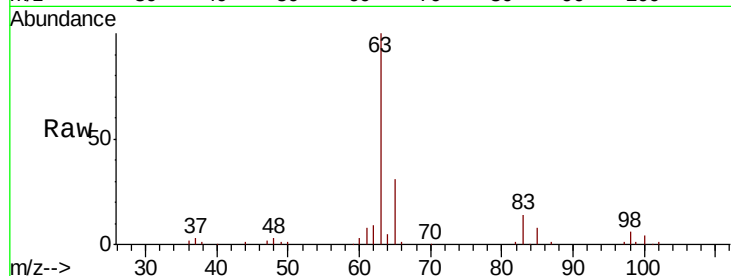
Tot Ion: 63 Resp: 112358

Ion Ratio Lower Upper

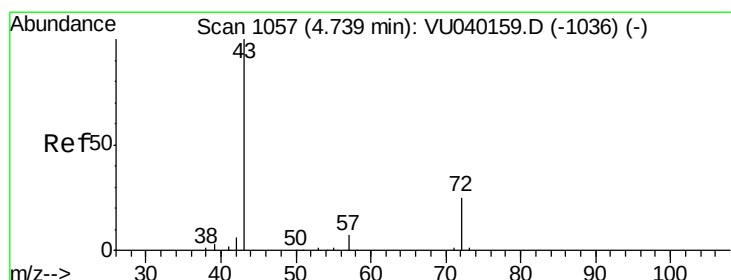
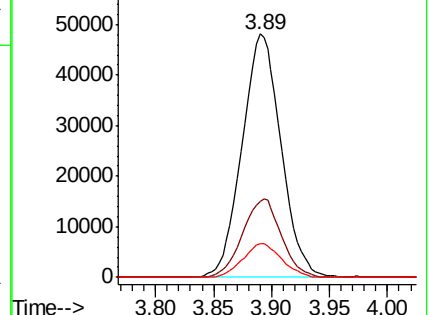
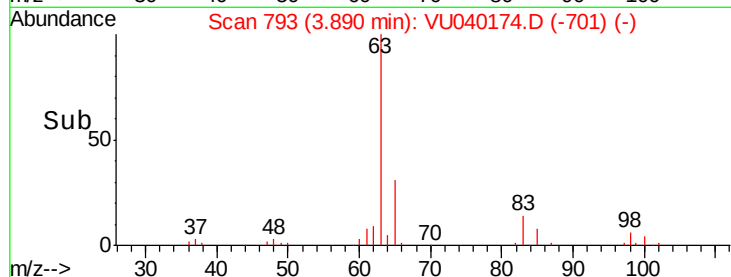
63 100

65 31.4 22.2 41.2

83 13.9 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040174.D (-701) (-)



#21

2-Butanone

Concen: 50.287 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VU040174.D

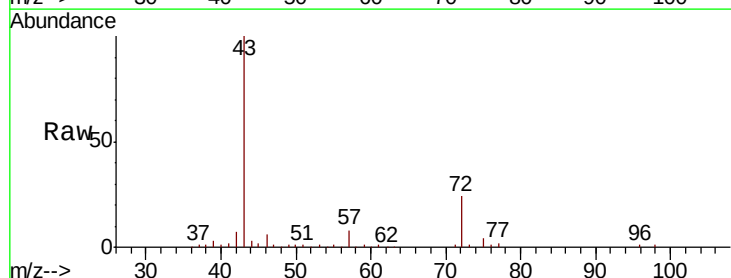
Acq: 17 Sep 2020 02:58

Tgt Ion: 43 Resp: 214245

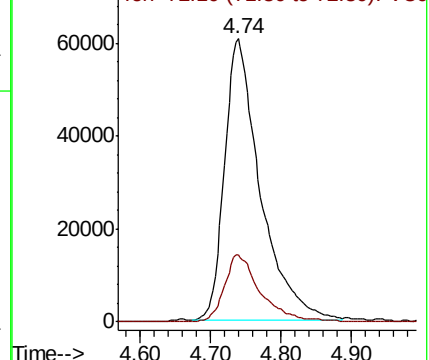
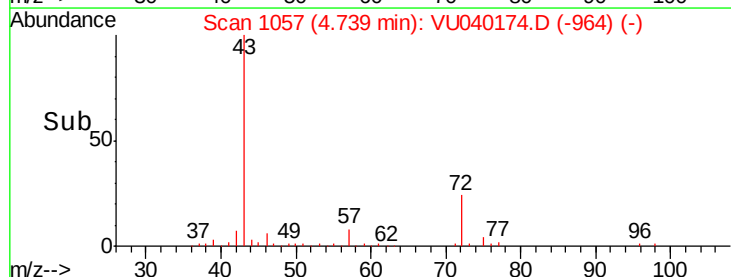
Ion Ratio Lower Upper

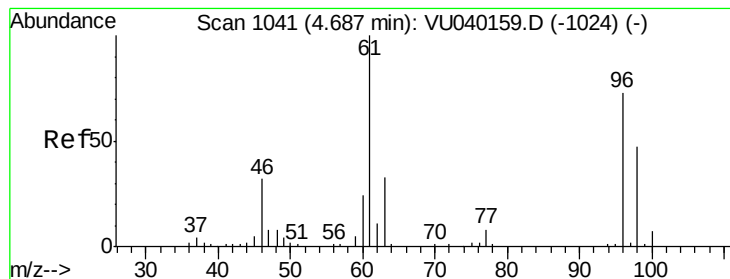
43 100

72 23.5 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040174.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.245 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

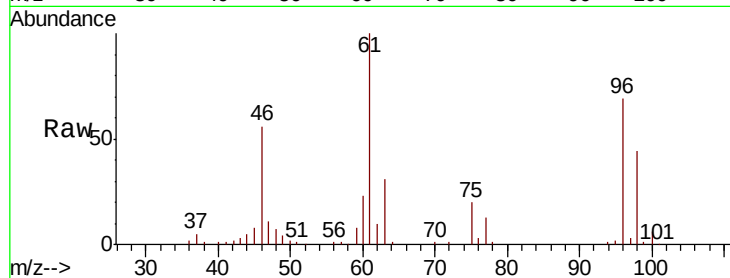
Tot Ion: 96 Resp: 60607

Ion Ratio Lower Upper

96 100

61 144.3 98.8 183.4

68 0.0 0.0 0.0

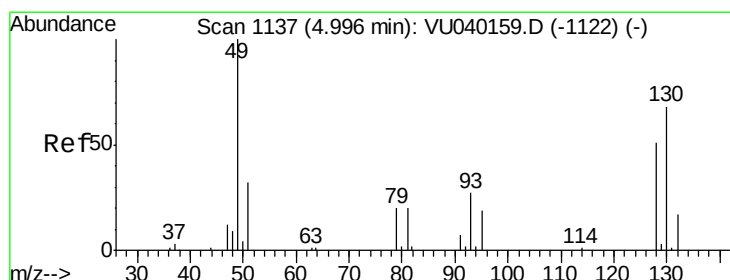
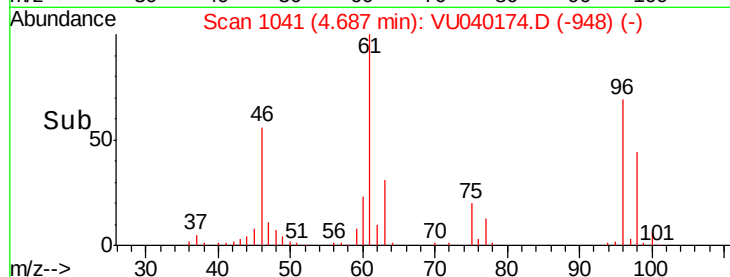
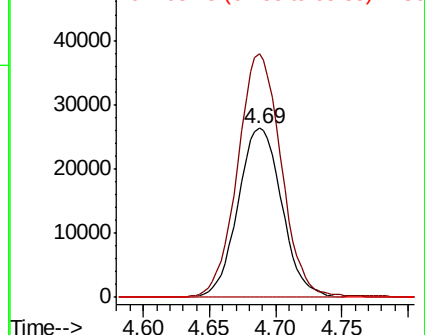


Abundance

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: 5.395 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Tgt Ion: 128 Resp: 27314

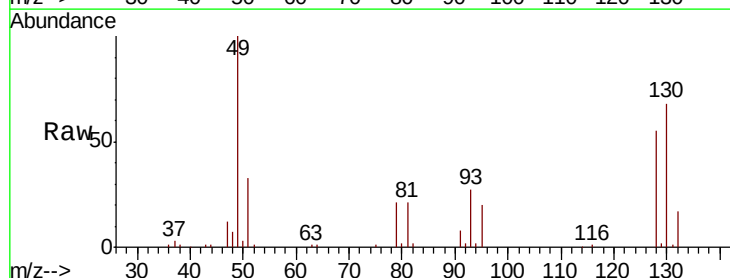
Ion Ratio Lower Upper

128 100

49 181.7 143.4 266.4

130 124.3 89.5 166.3

51 60.8 51.0 76.4



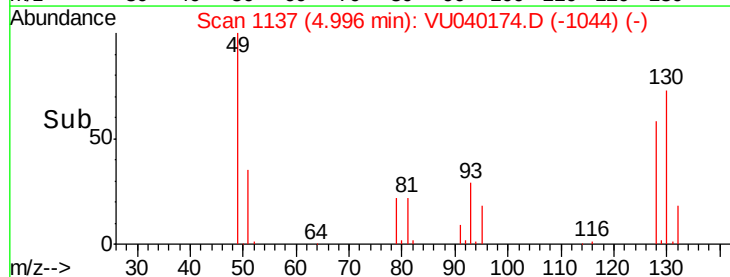
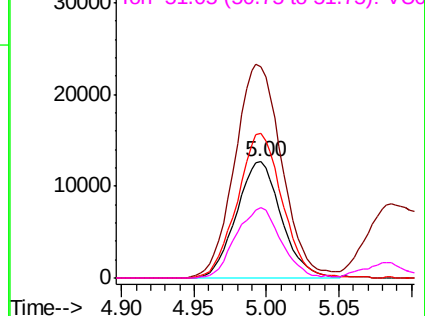
Abundance

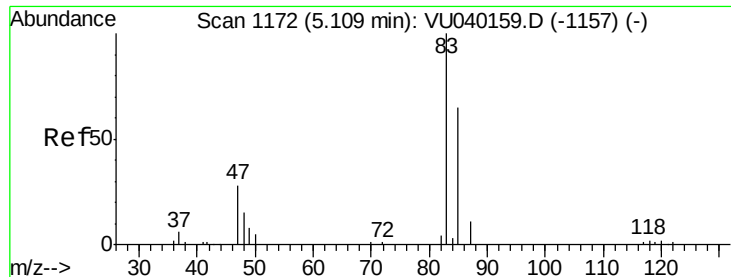
Ion 127.90 (127.60 to 128.60): V

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

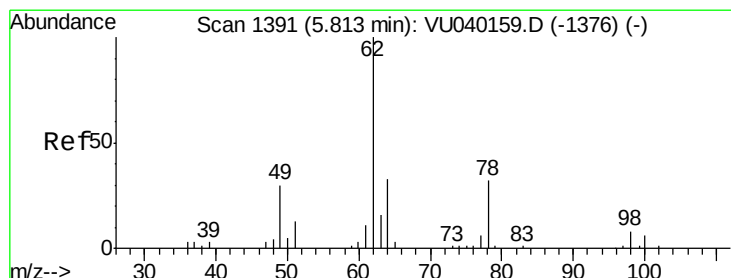
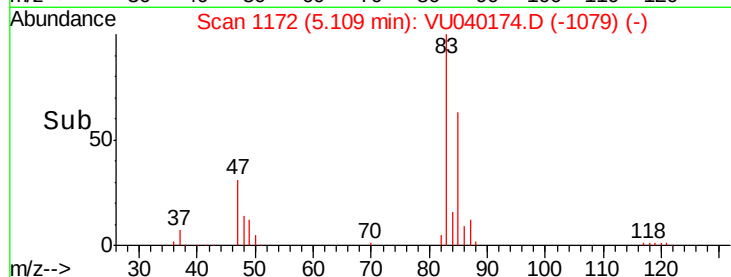
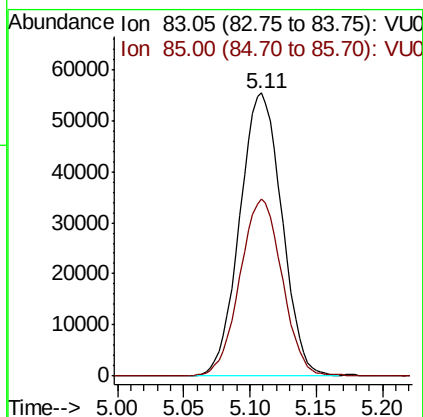
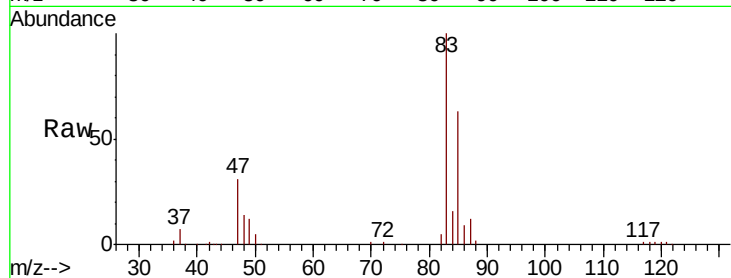




#25
Chloroform
Concen: 5.403 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

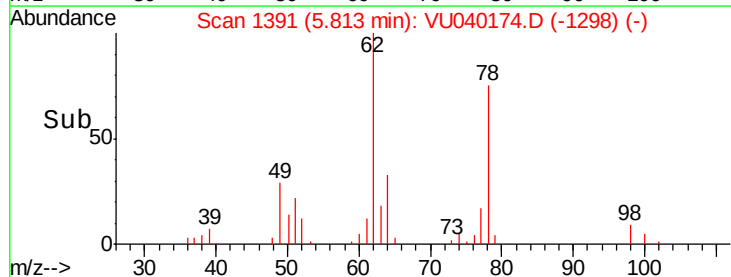
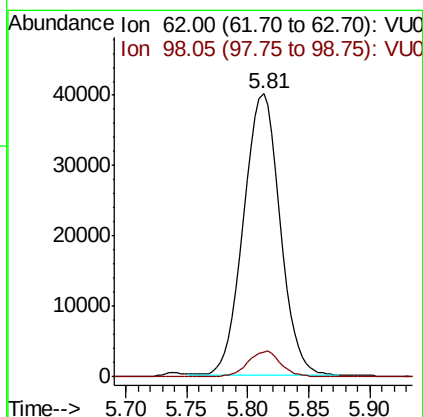
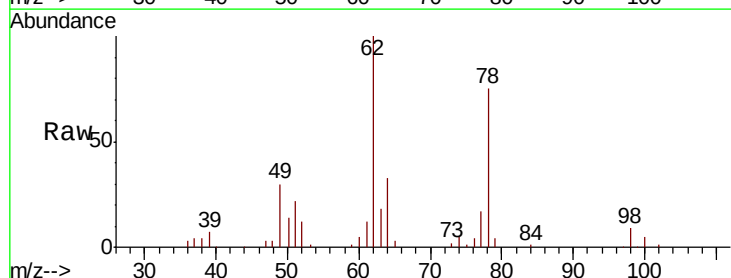
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

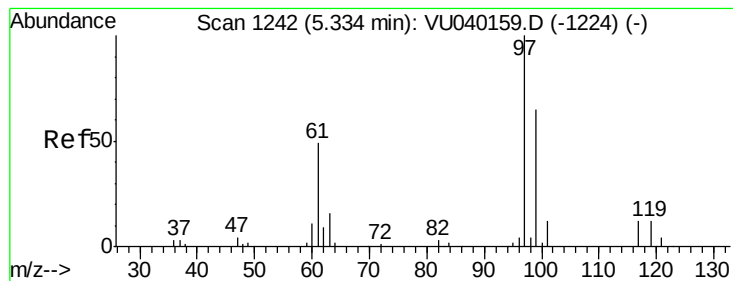
Tot Ion: 83 Resp: 122392
Ion Ratio Lower Upper
83 100
85 62.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.982 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Tgt Ion: 62 Resp: 82678
Ion Ratio Lower Upper
62 100
98 8.9 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 5.103 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

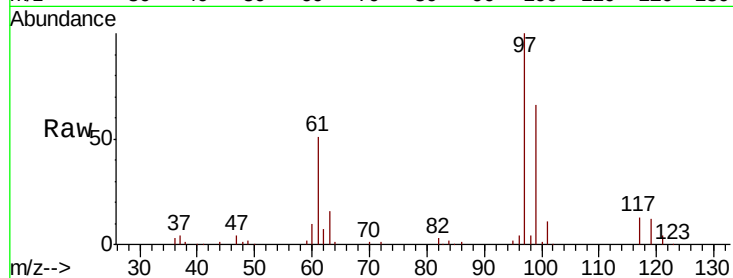
Tot Ion: 97 Resp: 100178

Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 50.8 39.5 59.3

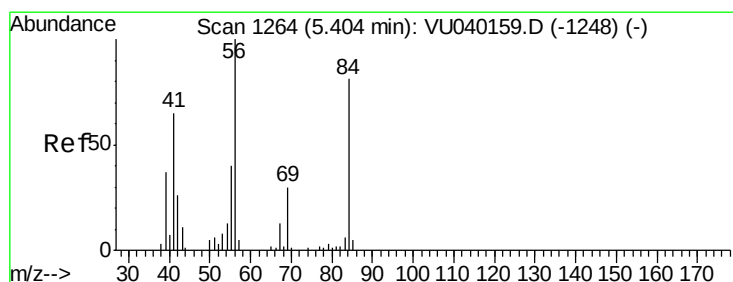
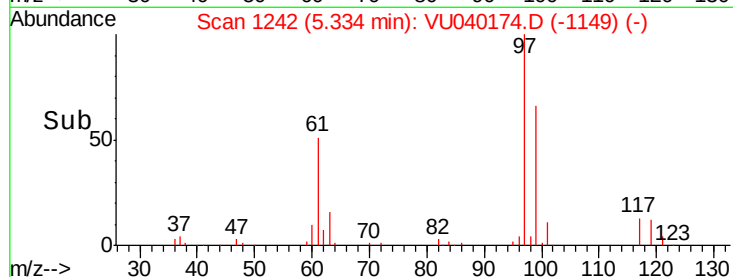
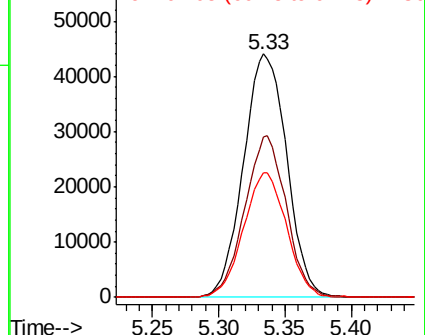


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.973 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

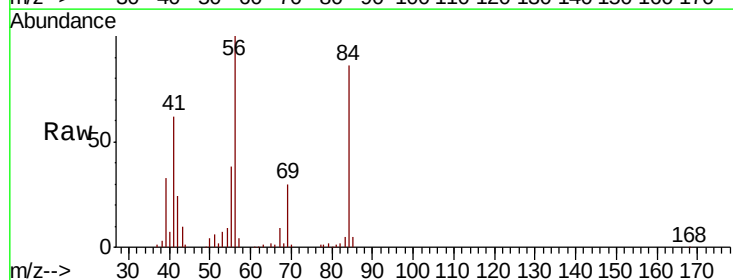
Tgt Ion: 56 Resp: 94670

Ion Ratio Lower Upper

56 100

69 29.7 24.1 36.1

84 81.4 65.0 97.4

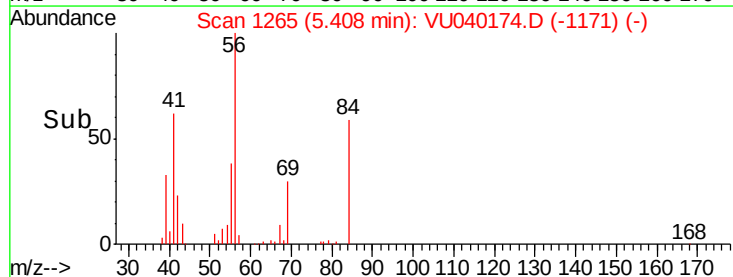
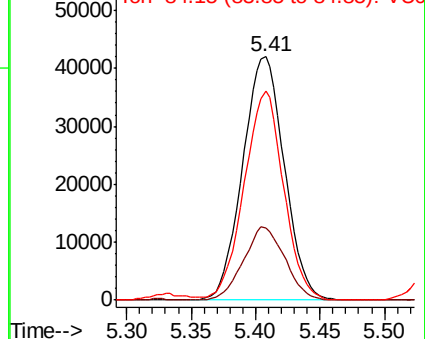


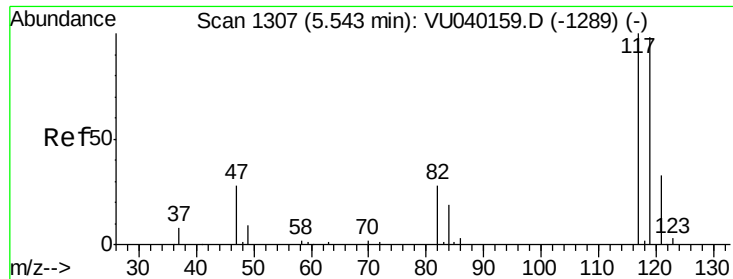
Abundance

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

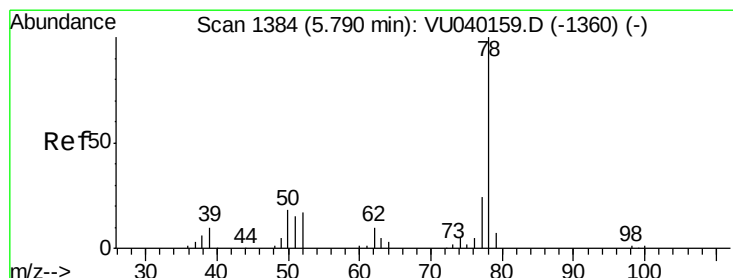
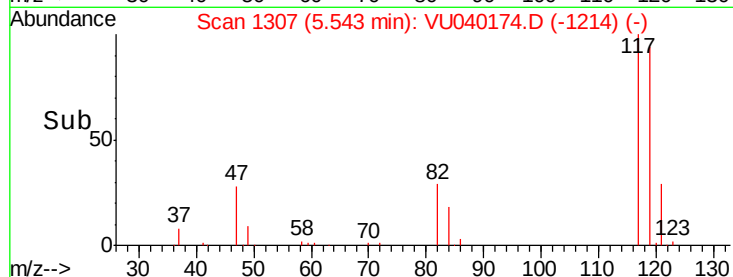
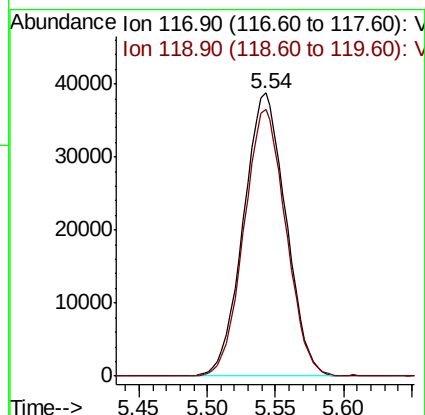
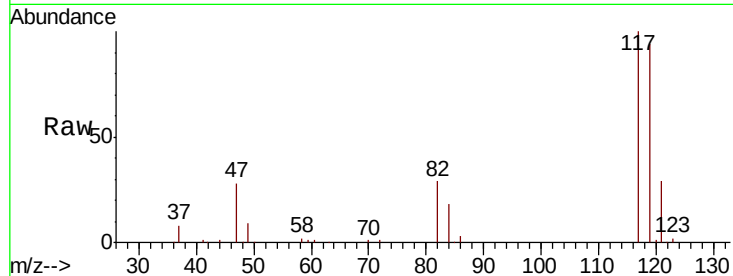




#31
Carbon tetrachloride
Concen: 4.977 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

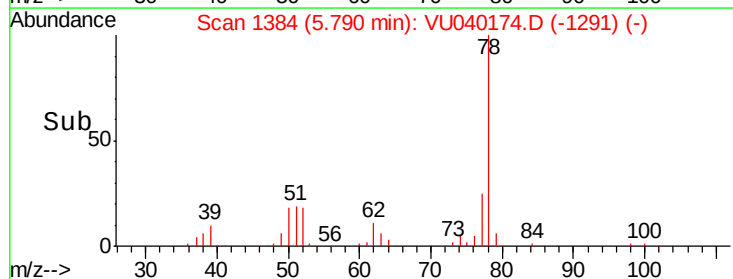
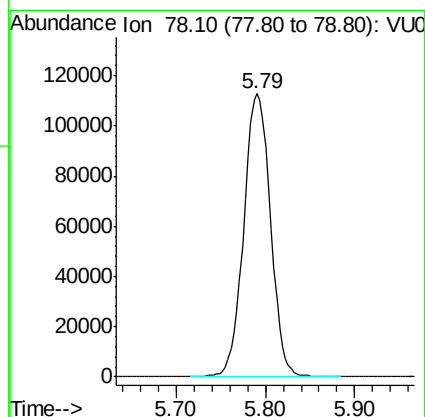
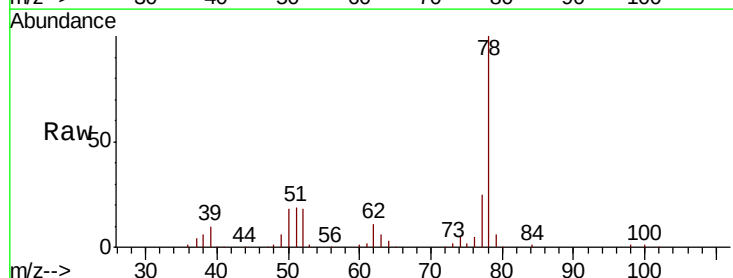
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

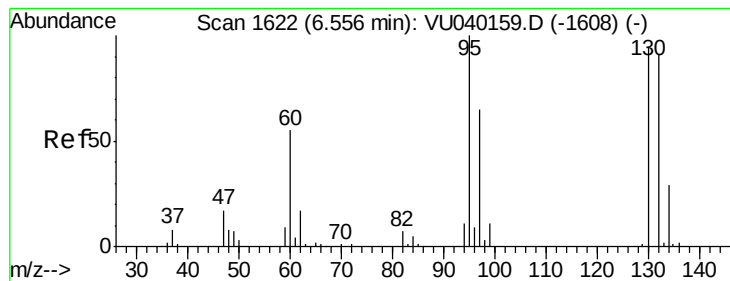
Tot Ion:117 Resp: 83625
Ion Ratio Lower Upper
117 100
119 93.1 77.7 116.5



#33
Benzene
Concen: 5.246 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Tgt Ion: 78 Resp: 234649





#34

Trichloroethene

Concen: 5.075 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tot Ion: 95 Resp: 60888

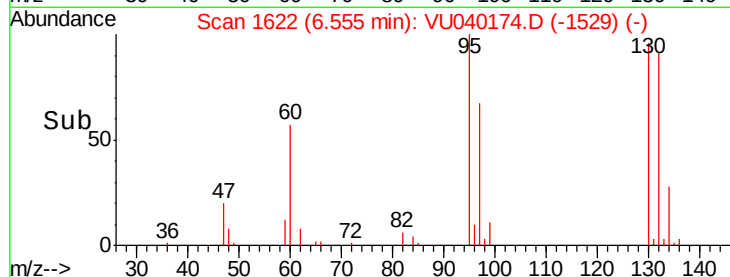
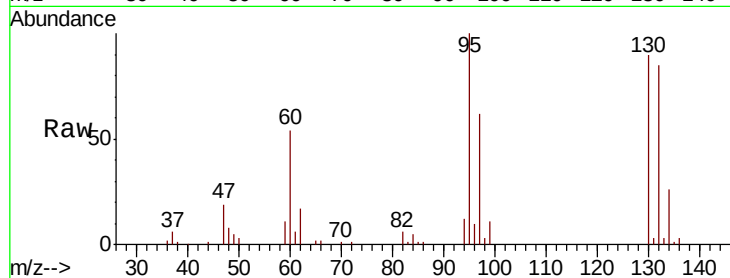
Ion Ratio Lower Upper

95 100

97 62.4 43.3 80.5

132 85.1 59.4 110.4

130 89.5 64.8 120.4

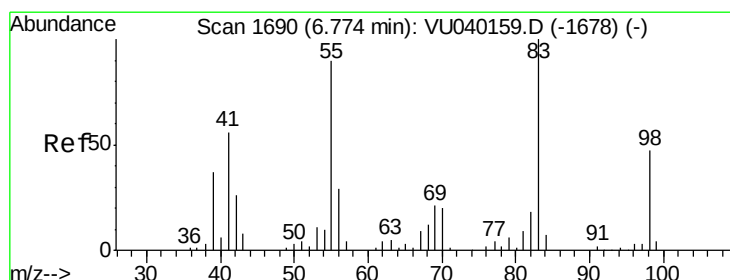
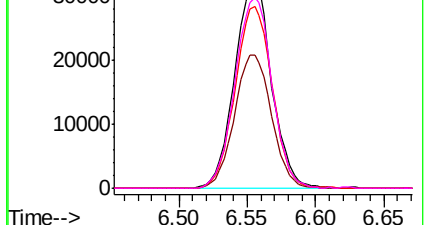


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.682 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

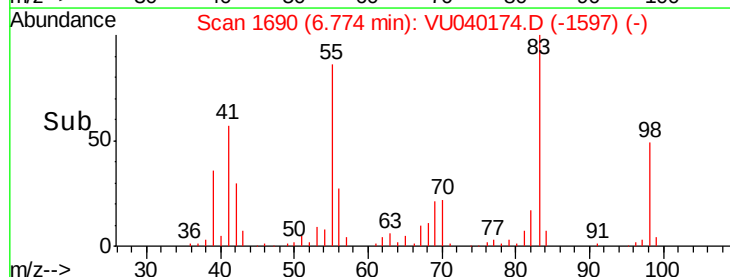
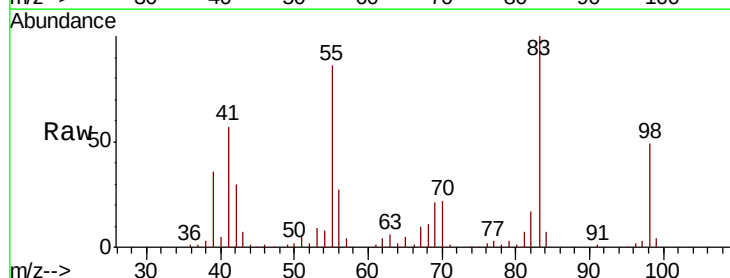
Tgt Ion: 83 Resp: 86028

Ion Ratio Lower Upper

83 100

55 85.9 70.5 105.7

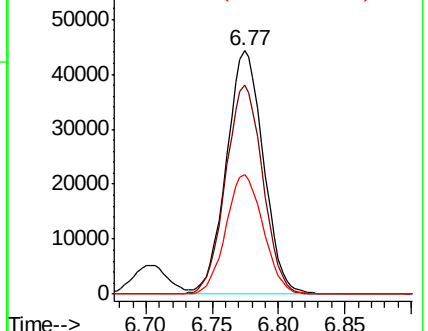
98 49.4 37.8 56.6

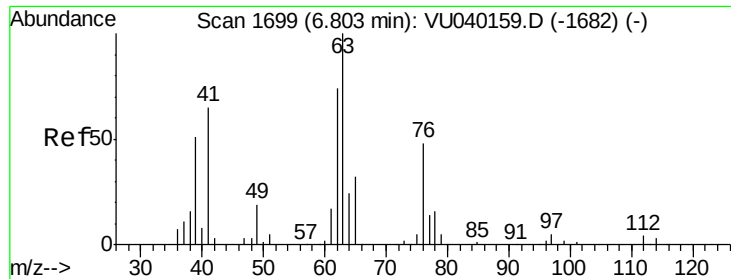


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

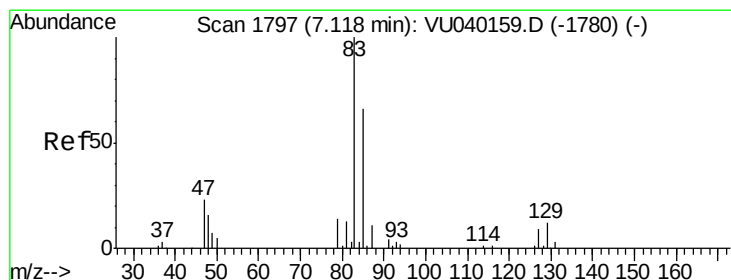
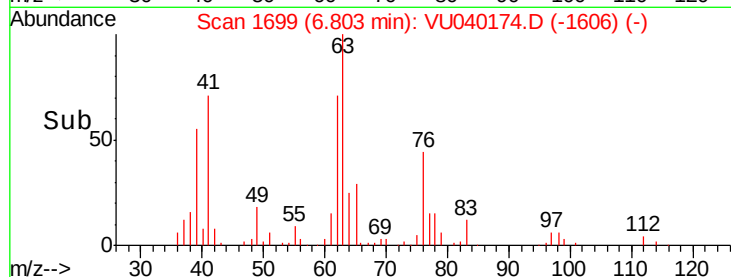
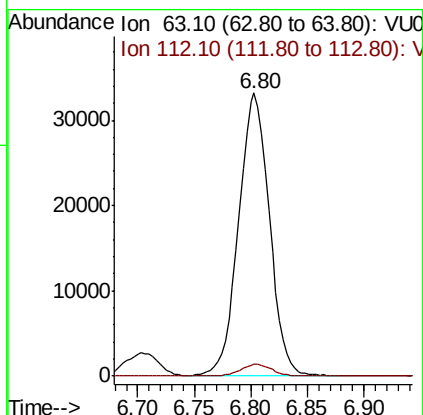
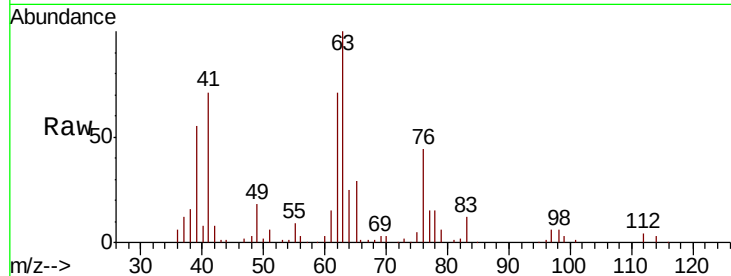




#37
 1,2-Dichloropropane
 Concen: 5.226 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

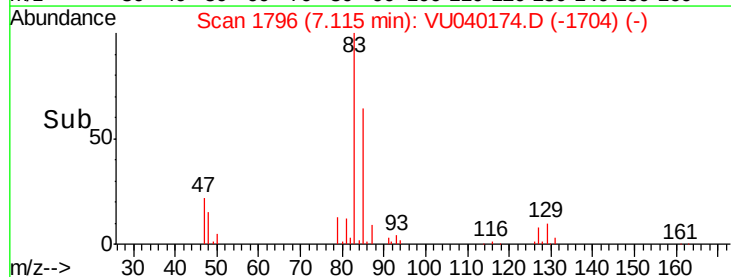
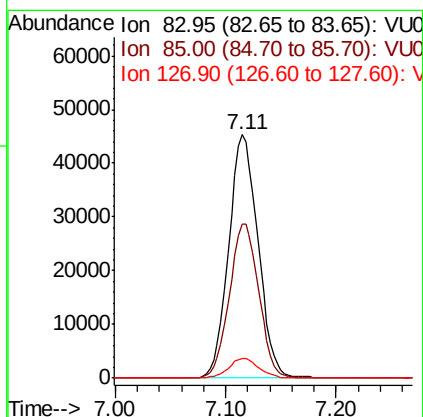
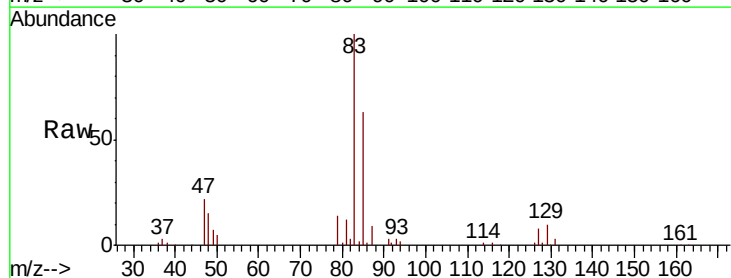
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

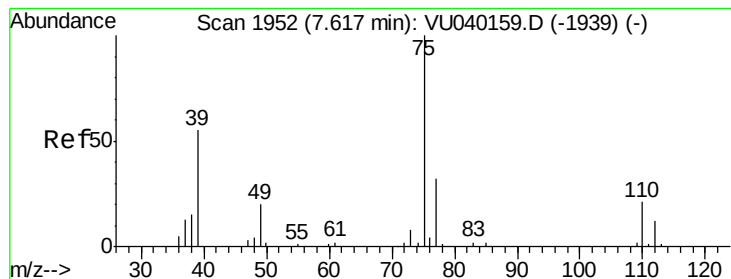
Tot Ion: 63 Resp: 63293
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.057 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion: 83 Resp: 83607
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.1 83.9
 127 7.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.956 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampled :

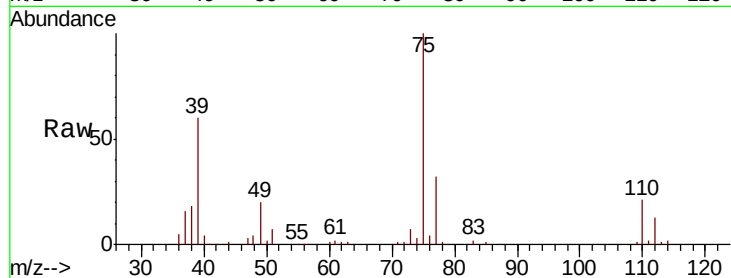
VSTD00510

Tot Ion: 75 Resp: 88526

Ion Ratio Lower Upper

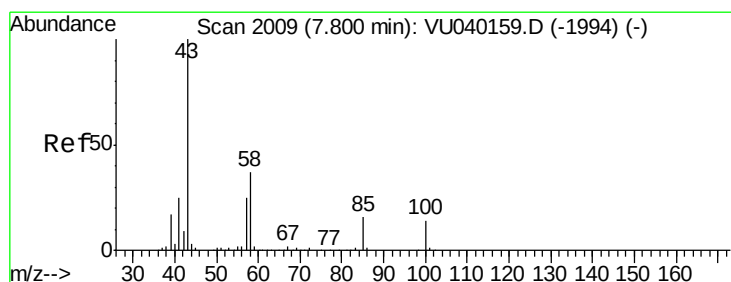
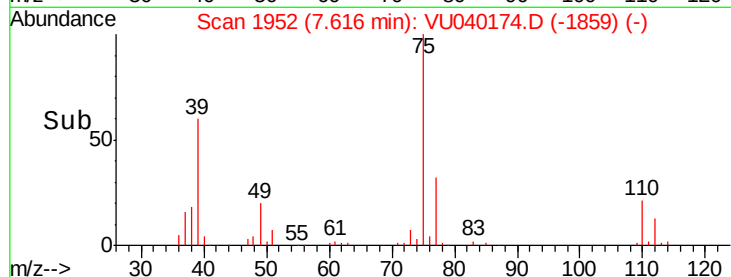
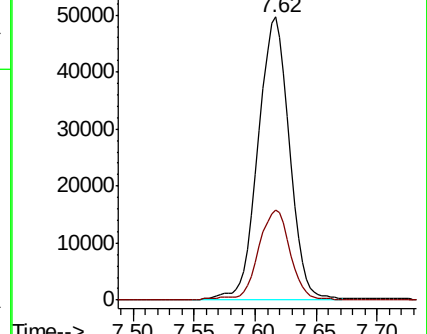
75 100

77 31.9 21.1 39.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 51.081 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

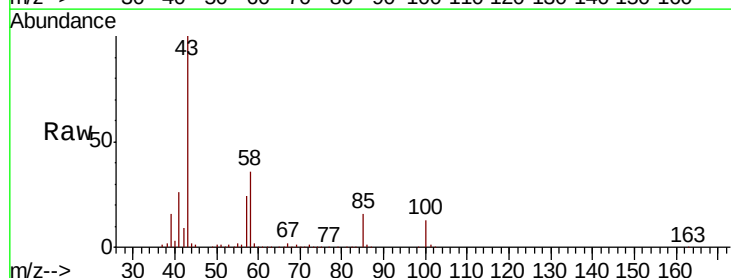
Tgt Ion: 43 Resp: 507630

Ion Ratio Lower Upper

43 100

58 35.8 28.7 43.1

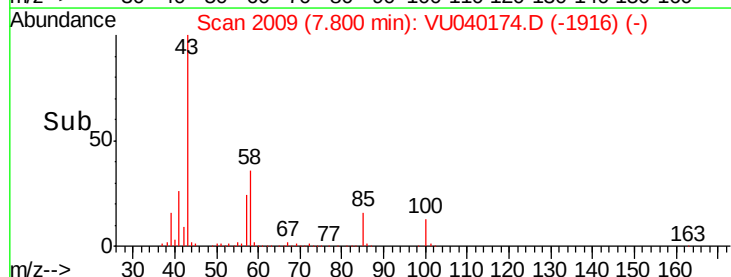
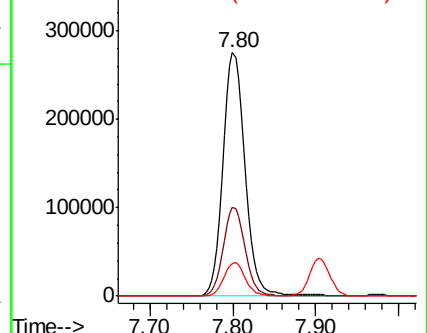
100 13.2 10.2 15.2

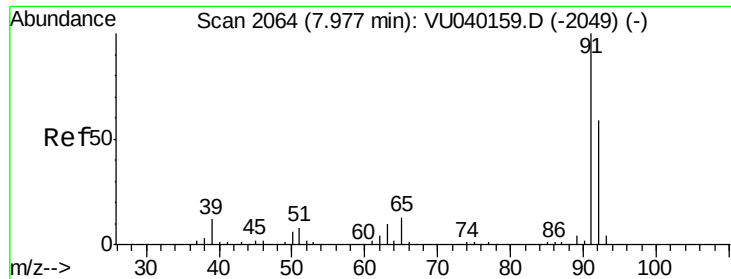


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.294 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

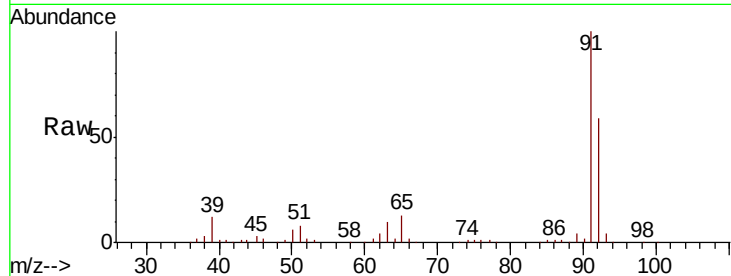
VSTD00510

Tot Ion: 91 Resp: 243894

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040159.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040159.D (-2049) (-)

7.98

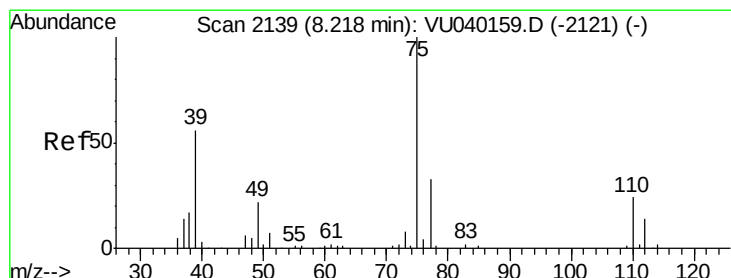
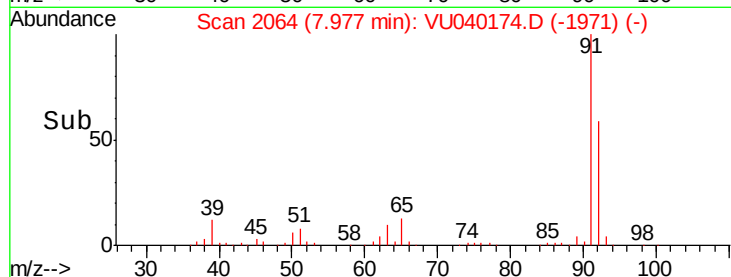
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.910 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040174.D

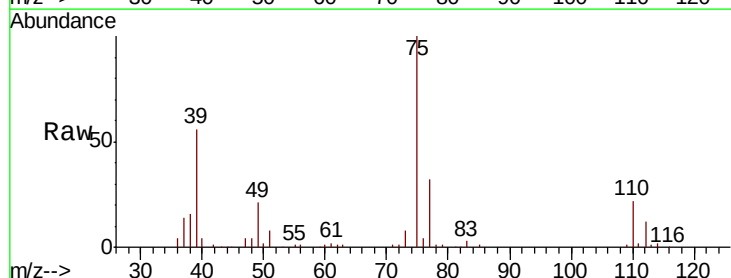
Acq: 17 Sep 2020 02:58

Tgt Ion: 75 Resp: 81269

Ion Ratio Lower Upper

75 100

77 32.0 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040159.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040159.D (-2121) (-)

8.21

50000

40000

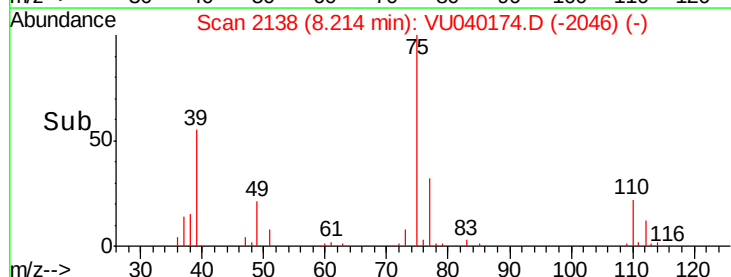
30000

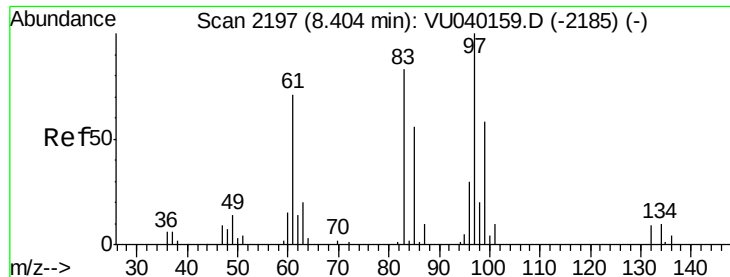
20000

10000

0

Time-->

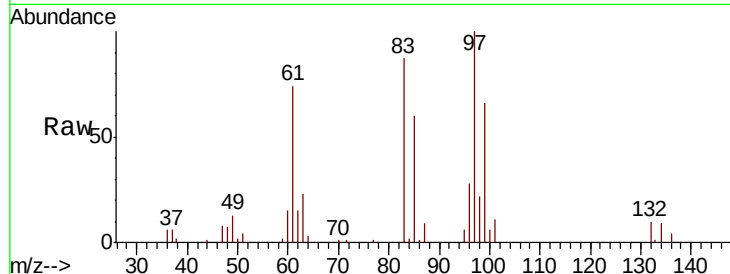




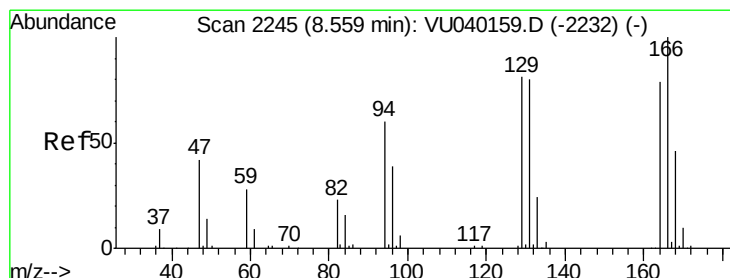
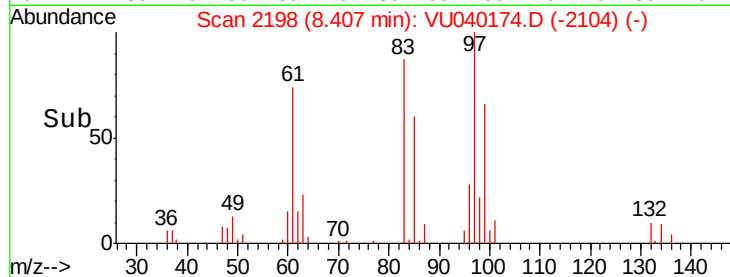
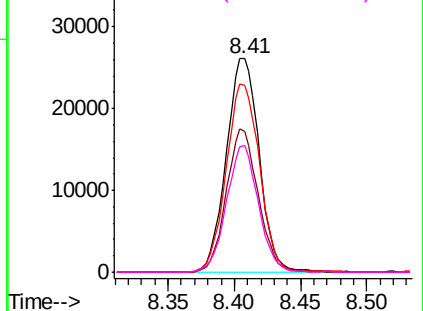
#45
 1,1,2-Trichloroethane
 Concen: 5.110 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:	97	Resp:	45085
Ion	Ratio	Lower	Upper
97	100		
99	66.0	43.0	79.8
83	87.3	61.7	114.7
85	59.6	39.3	73.1

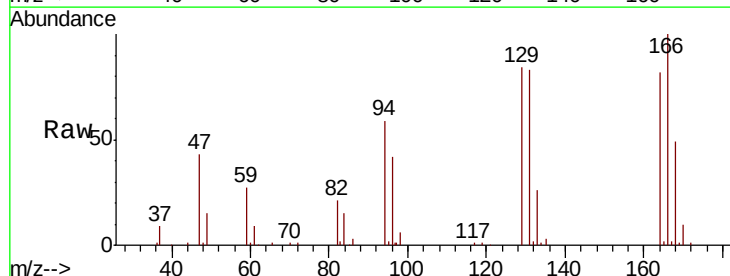


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

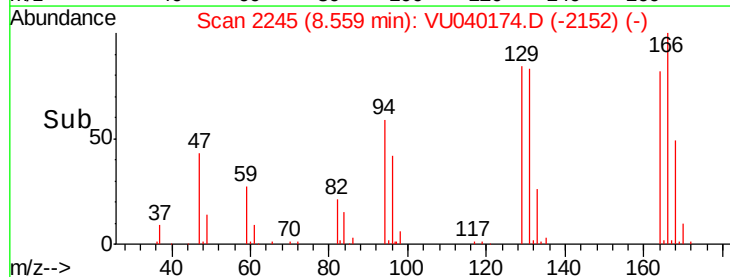
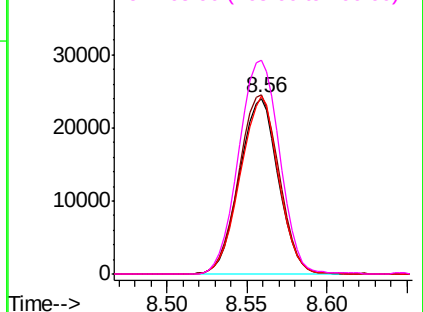


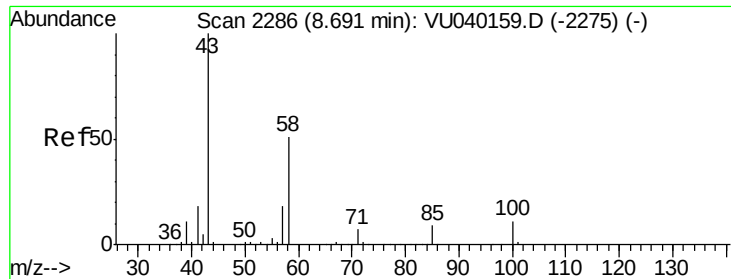
#47
 Tetrachloroethene
 Concen: 5.052 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion:	164	Resp:	39819
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.5	132.7
131	101.3	65.9	122.5
166	121.5	87.3	162.1



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

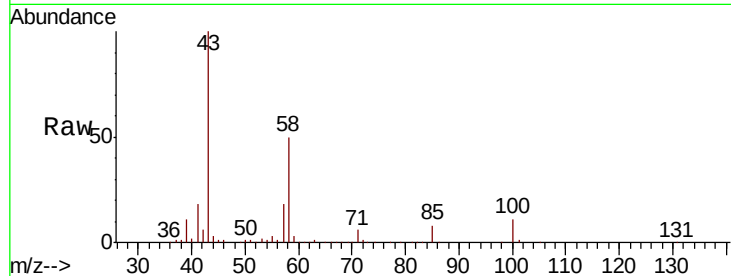




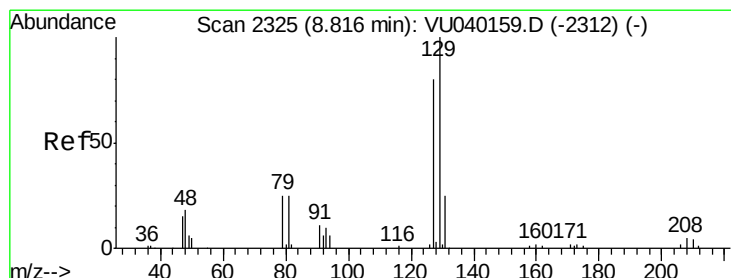
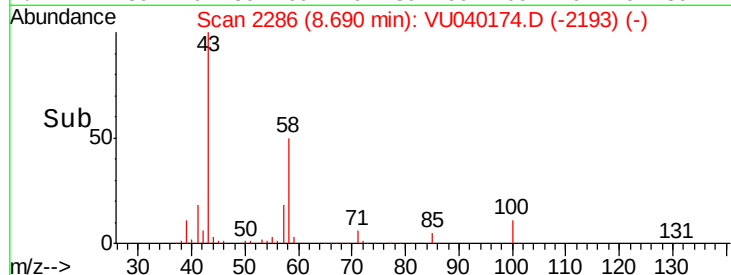
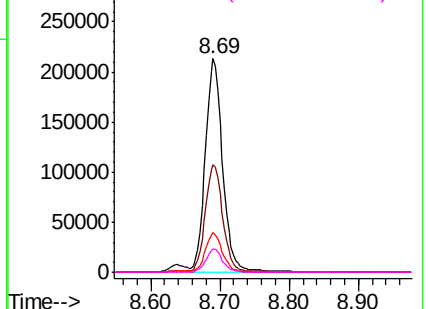
#48
2-Hexanone
Concen: 51.149 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 43 Resp: 370775
Ion Ratio Lower Upper
43 100
58 50.2 39.6 59.4
57 17.5 14.3 21.5
100 10.5 8.0 12.0

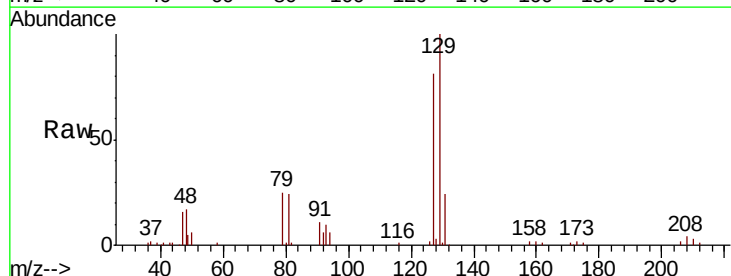


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

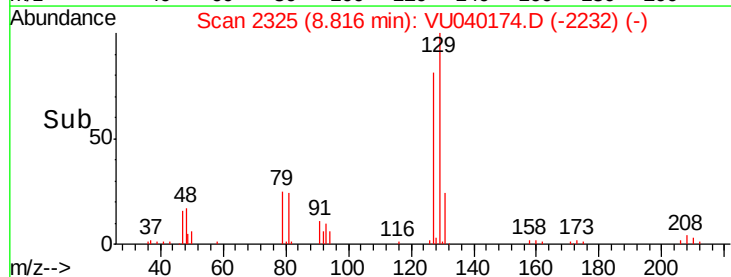
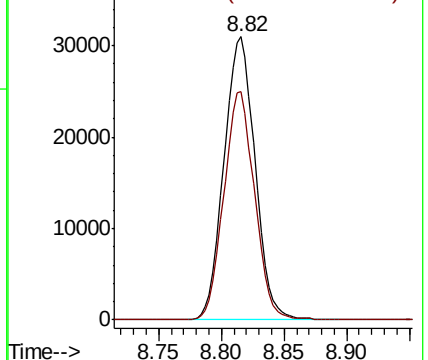


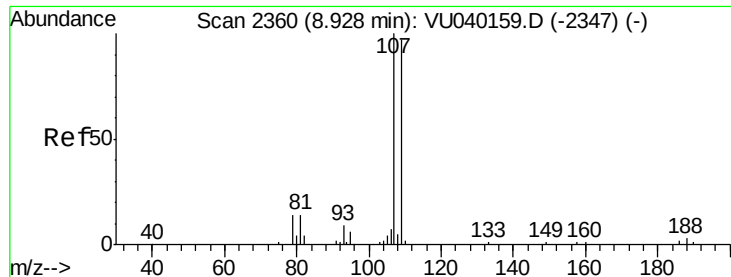
#49
Dibromochloromethane
Concen: 5.056 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Tgt Ion: 129 Resp: 53544
Ion Ratio Lower Upper
129 100
127 80.8 53.7 99.7



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

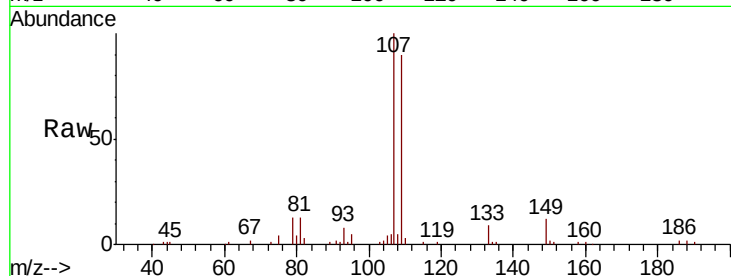




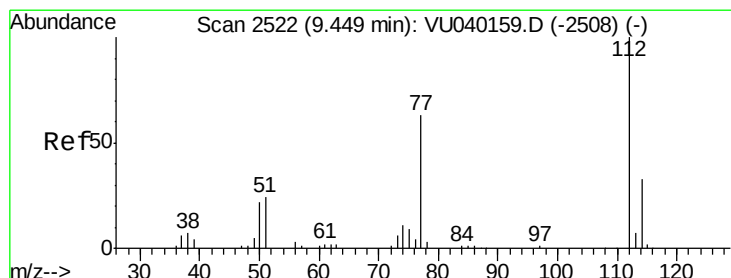
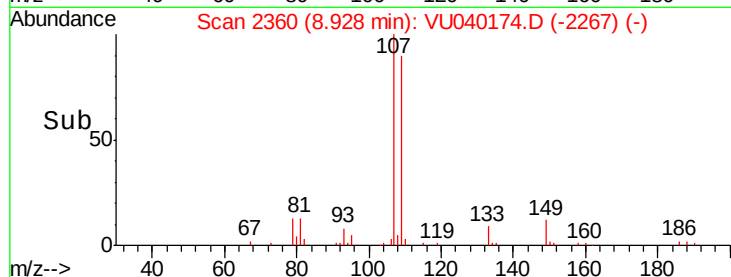
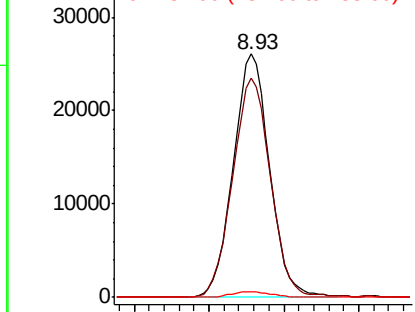
#50
 1,2-Dibromoethane
 Concen: 5.188 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:107 Resp: 44134
 Ion Ratio Lower Upper
 107 100
 109 90.2 62.4 115.8
 188 2.5 2.3 3.5

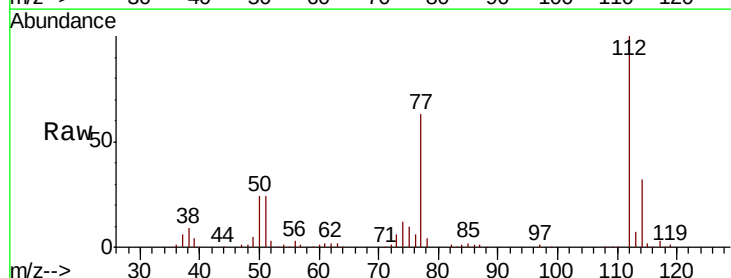


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

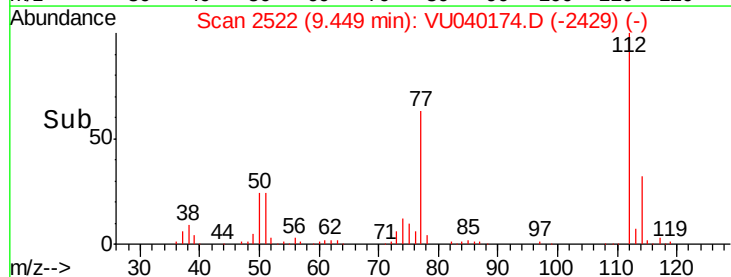
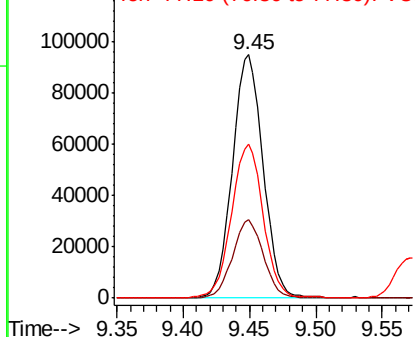


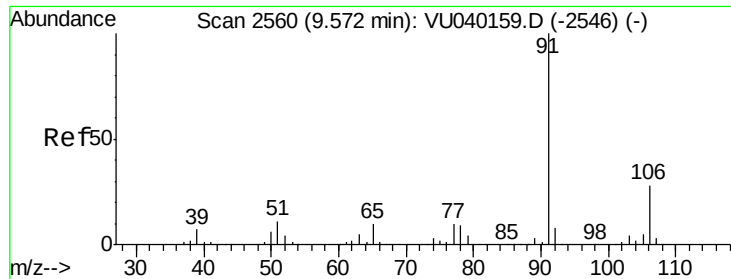
#51
 Chlorobenzene
 Concen: 5.342 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion:112 Resp: 152796
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.7 42.3
 77 63.2 53.2 79.8



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





#52

Ethylbenzene

Concen: 5.170 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

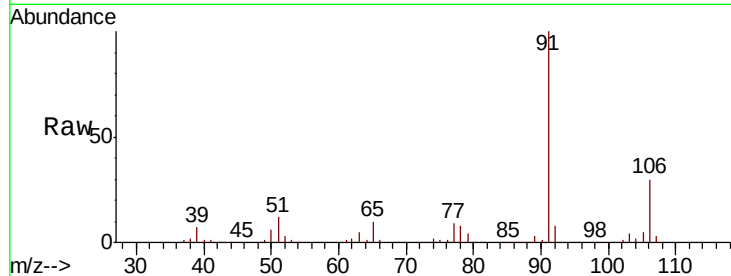
VSTD00510

Tot Ion: 91 Resp: 270576

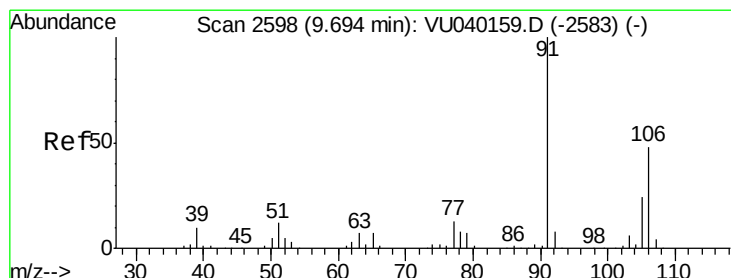
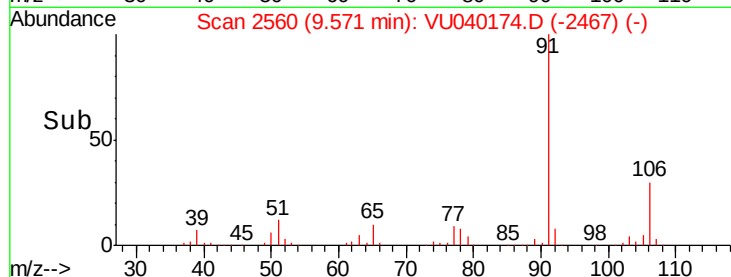
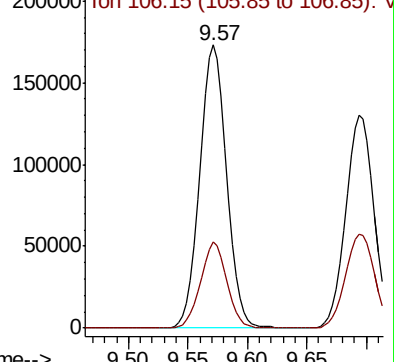
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040159.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.216 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040174.D

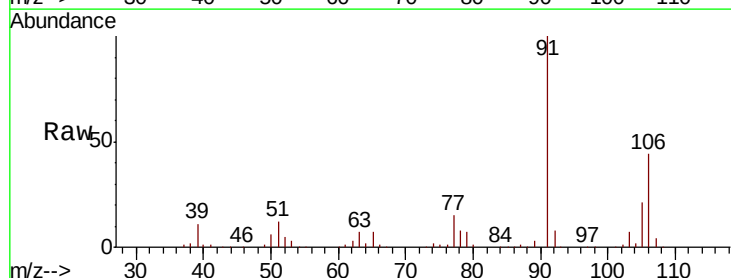
Acq: 17 Sep 2020 02:58

Tgt Ion: 106 Resp: 97208

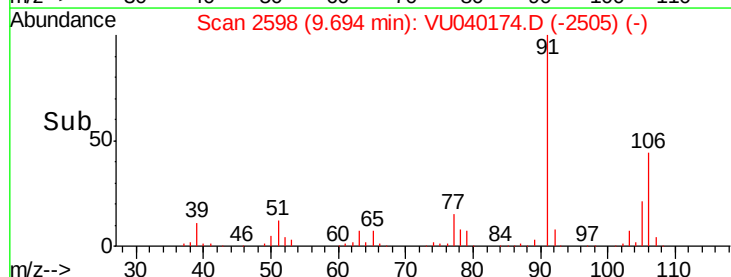
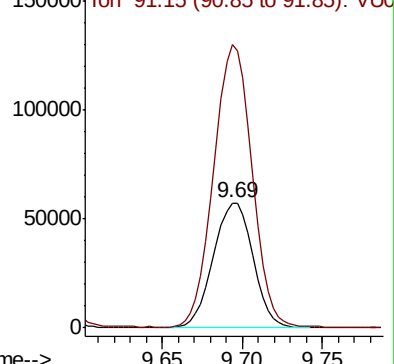
Ion Ratio Lower Upper

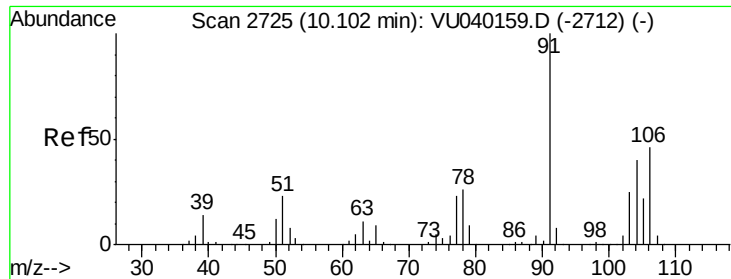
106 100

91 226.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040159.D (-2583) (-)

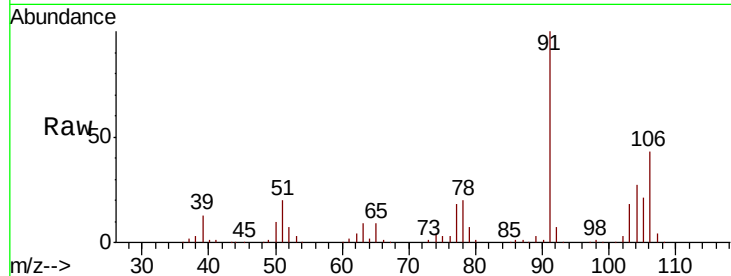




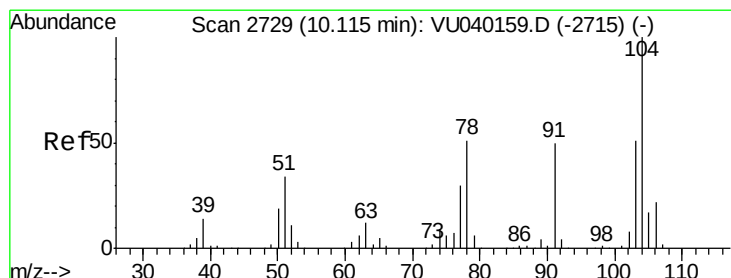
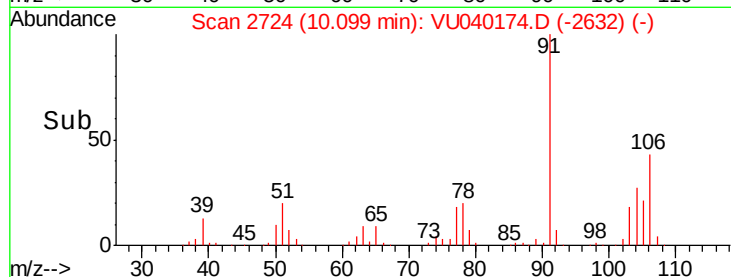
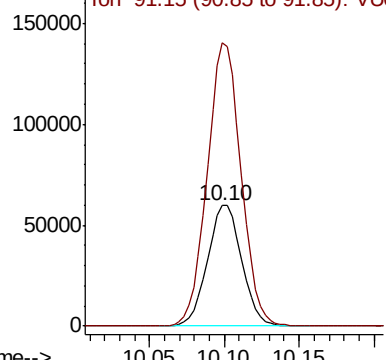
#54
o-Xylene
Concen: 5.356 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 95115
Ion Ratio Lower Upper
106 100
91 234.5 160.8 298.6

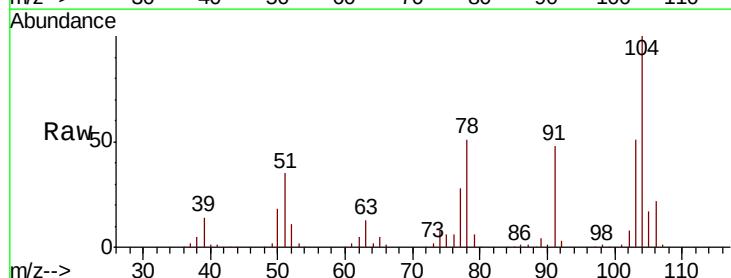


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

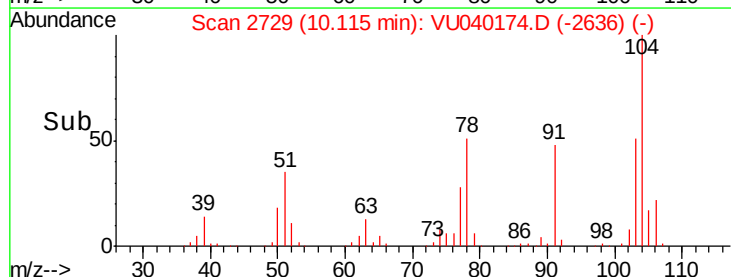
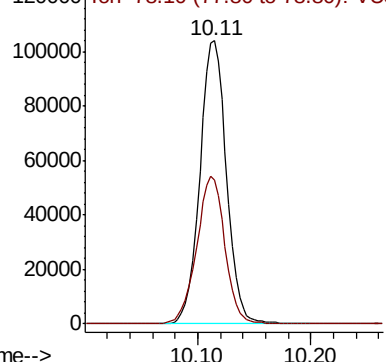


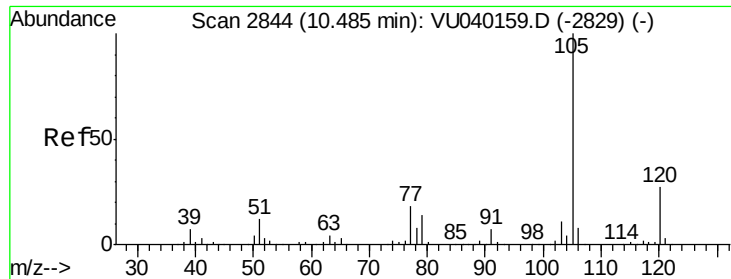
#55
Styrene
Concen: 5.500 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040174.D
Acq: 17 Sep 2020 02:58

Tgt Ion:104 Resp: 169842
Ion Ratio Lower Upper
104 100
78 51.0 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.442 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

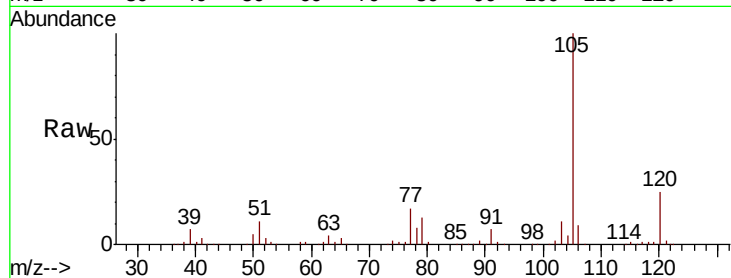
Tot Ion:105 Resp: 263531

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

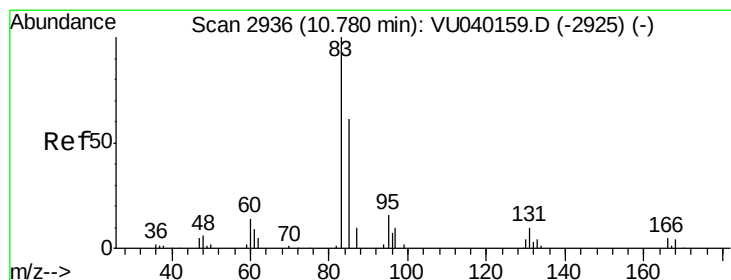
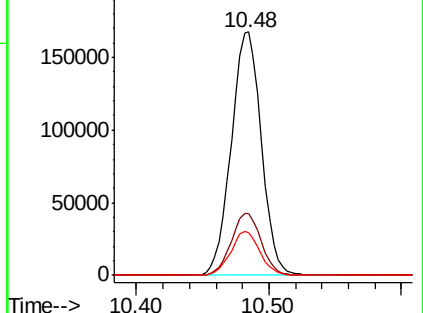
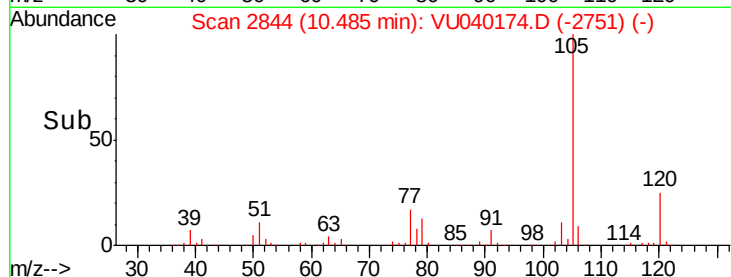
77 17.5 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.183 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

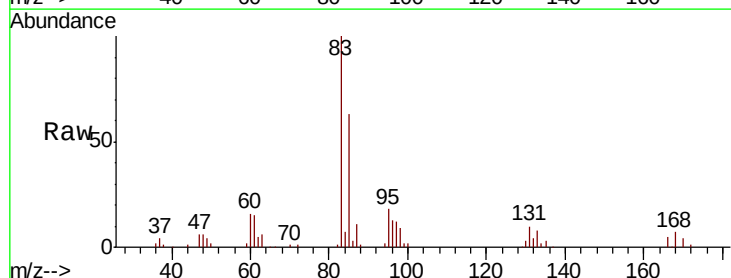
Tgt Ion: 83 Resp: 58639

Ion Ratio Lower Upper

83 100

85 62.8 44.9 83.3

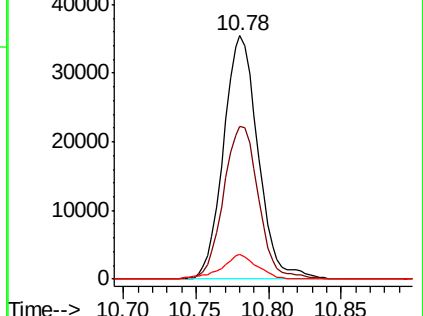
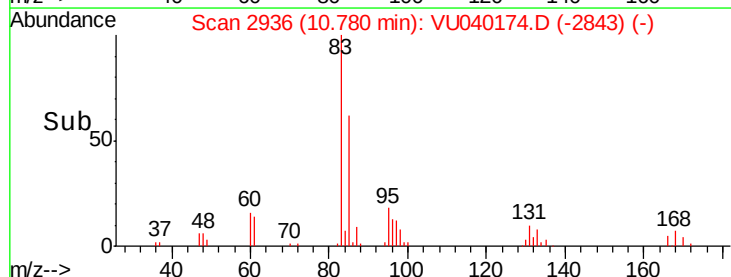
131 10.0 7.4 11.0

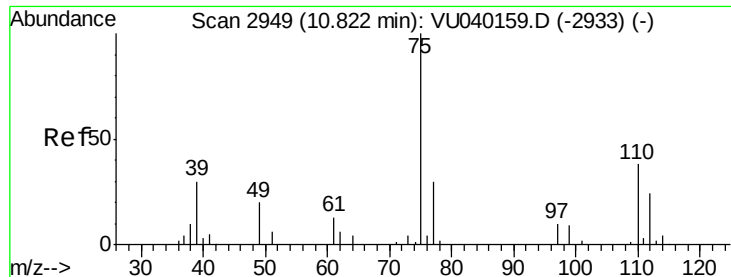


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.900 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

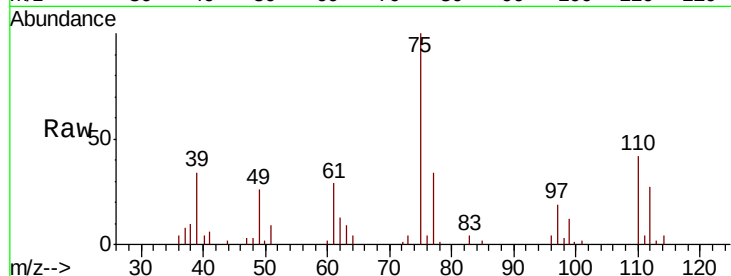
VSTD00510

Tot Ion: 75 Resp: 43973

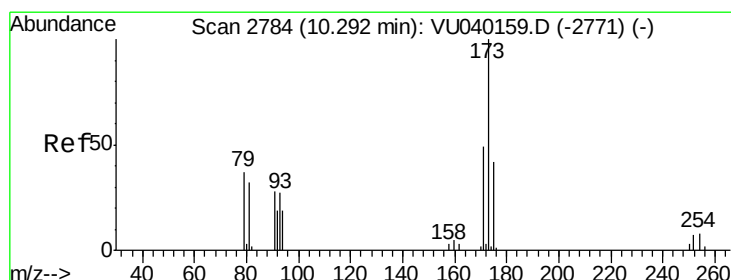
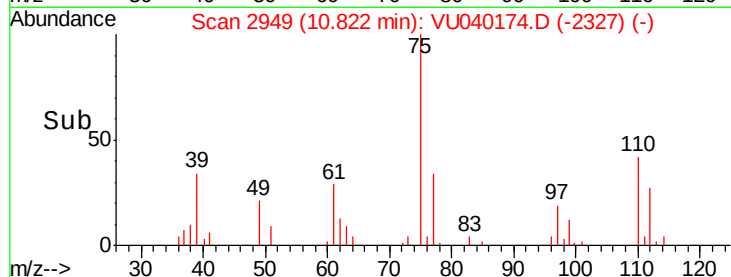
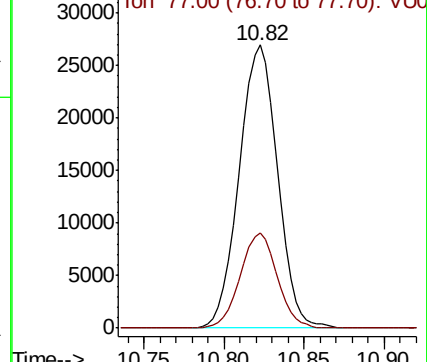
Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040159.D (-2933) (-)



#61

Bromoform

Concen: 5.102 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

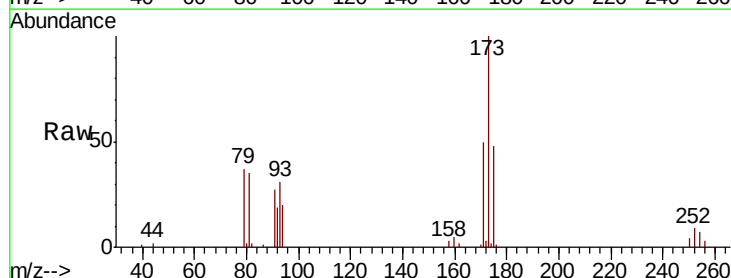
Tgt Ion: 173 Resp: 28396

Ion Ratio Lower Upper

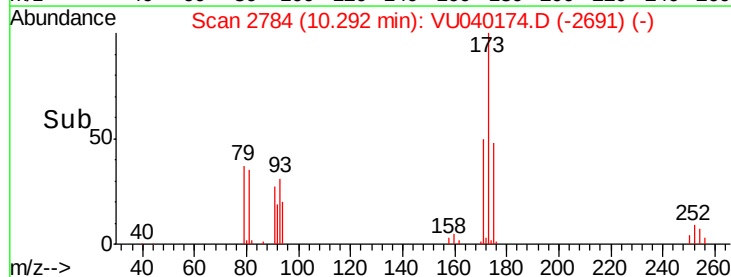
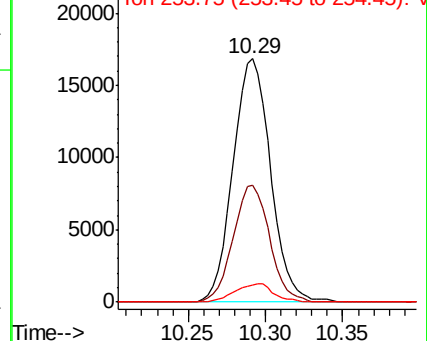
173 100

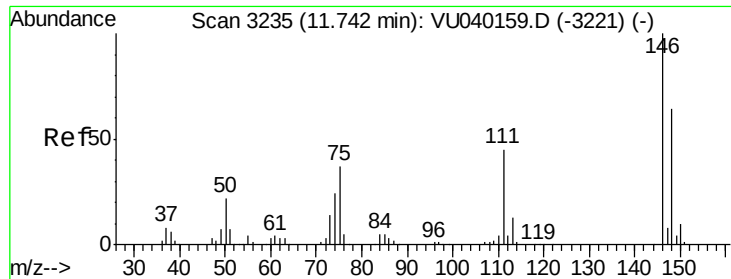
175 46.4 37.8 56.6

254 7.7 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU040159.D (-2771) (-)

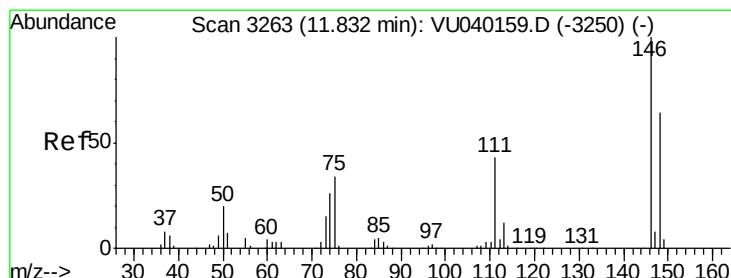
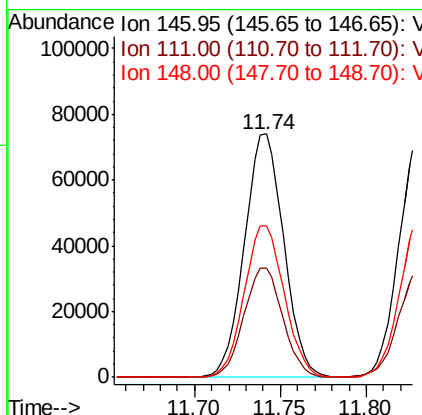
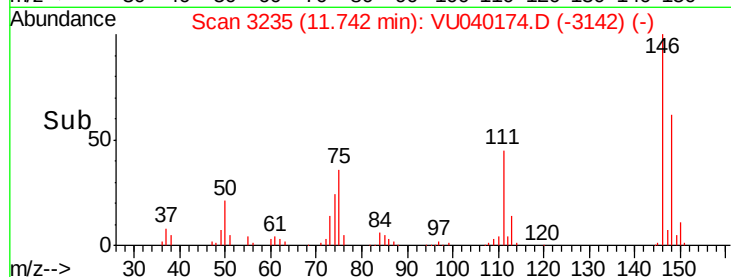
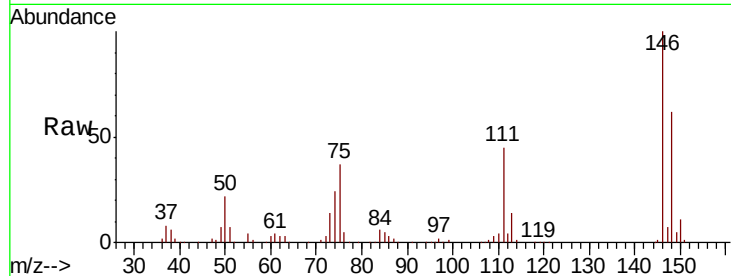




#62
 1,3-Dichlorobenzene
 Concen: 5.314 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

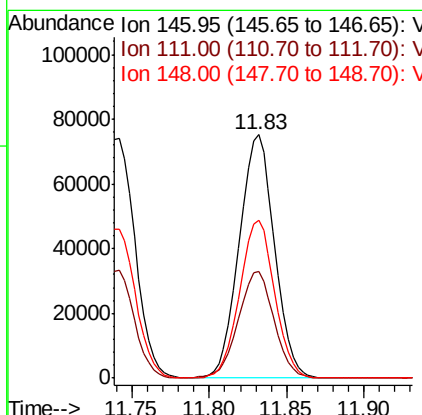
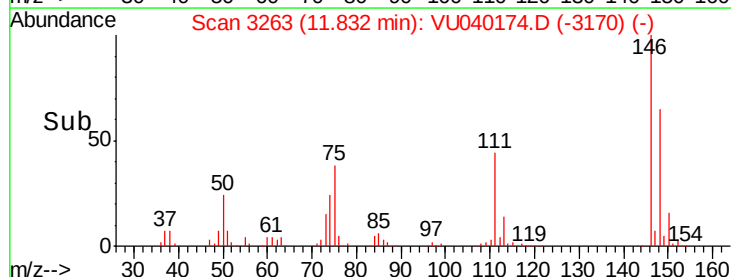
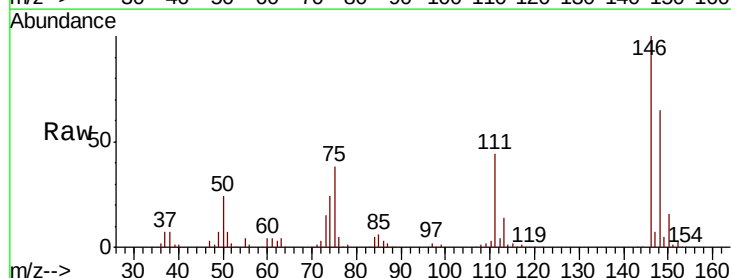
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

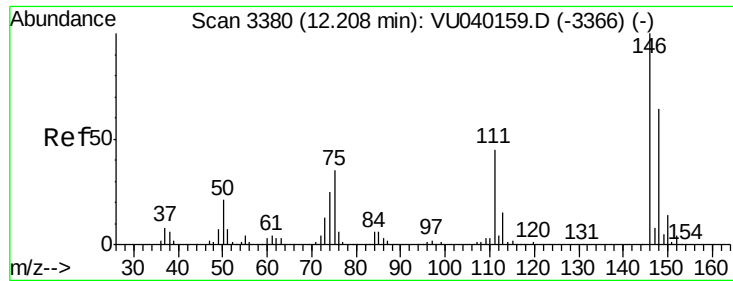
Tot Ion:146 Resp: 117861
 Ion Ratio Lower Upper
 146 100
 111 45.1 31.6 58.8
 148 62.4 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.321 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion:146 Resp: 119421
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.5 56.7
 148 64.7 45.4 84.4

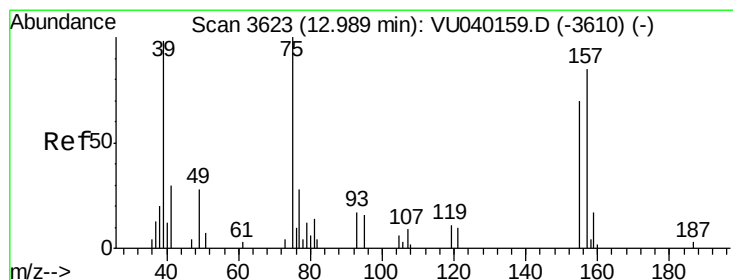
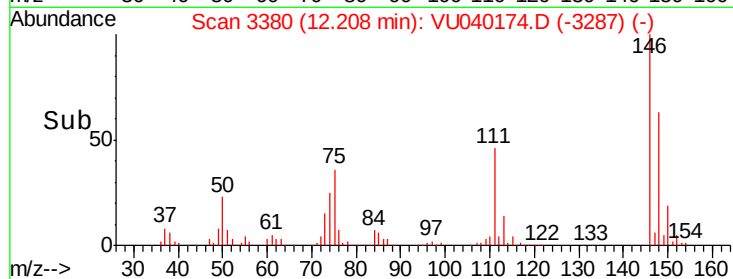
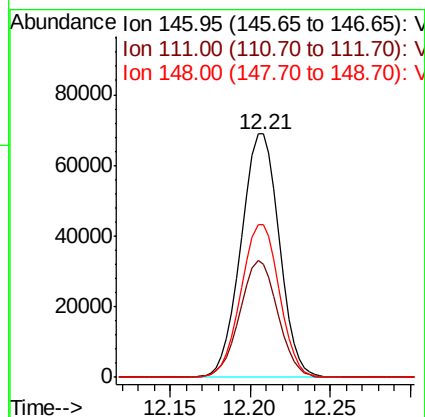
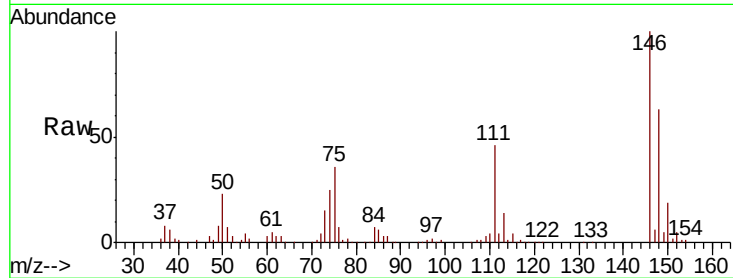




#65
 1,2-Dichlorobenzene
 Concen: 5.223 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

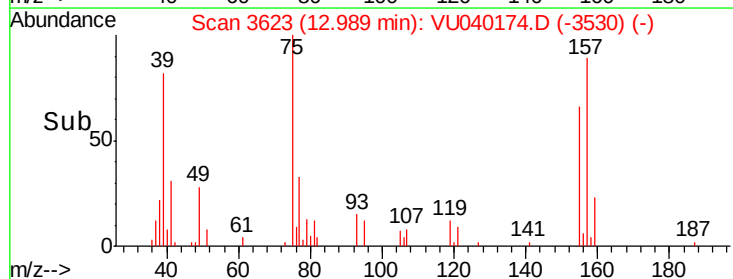
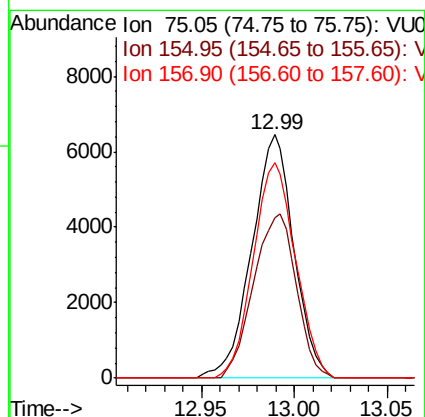
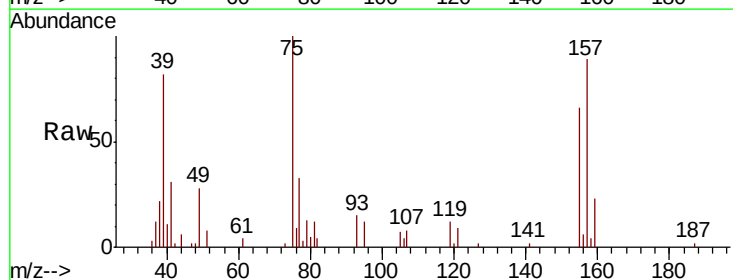
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

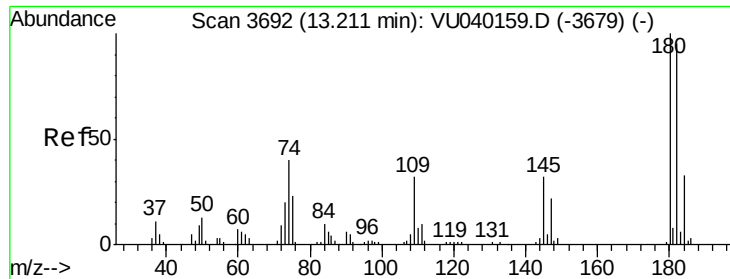
Tot Ion:146 Resp: 112092
 Ion Ratio Lower Upper
 146 100
 111 46.4 36.5 54.7
 148 62.9 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.450 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion: 75 Resp: 10215
 Ion Ratio Lower Upper
 75 100
 155 65.9 54.6 82.0
 157 88.6 75.6 113.4

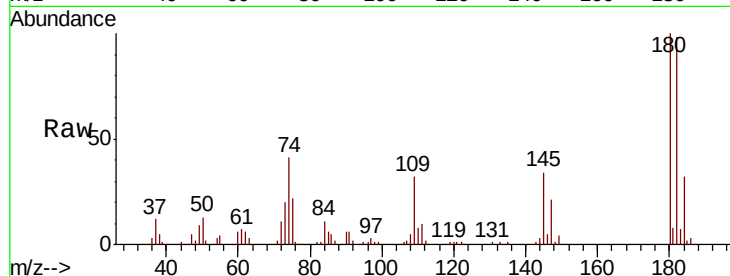




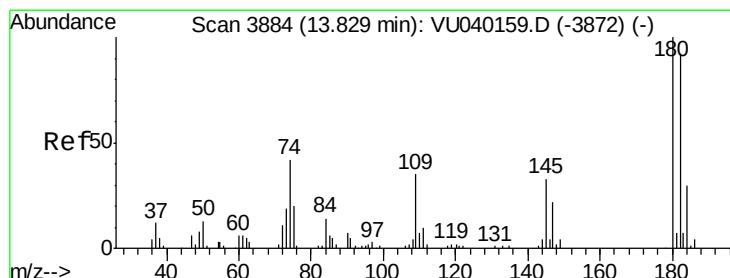
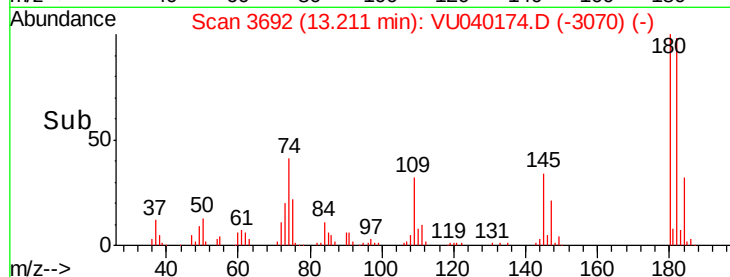
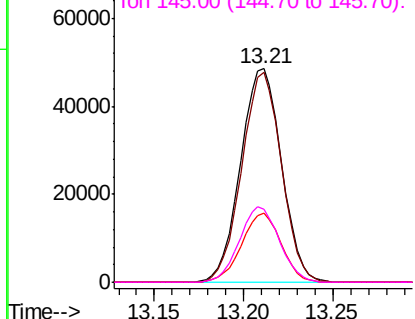
#67
 1,3,5-Trichlorobenzene
 Concen: 4.994 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:180 Resp: 77878
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.9 115.3
 184 31.2 24.6 36.8
 145 34.3 27.0 40.6

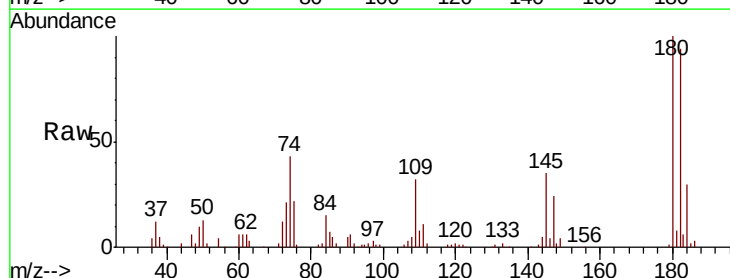


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

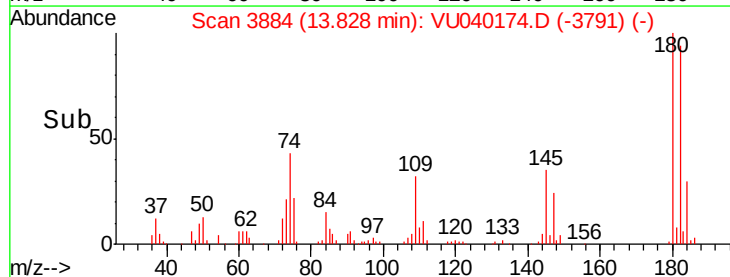
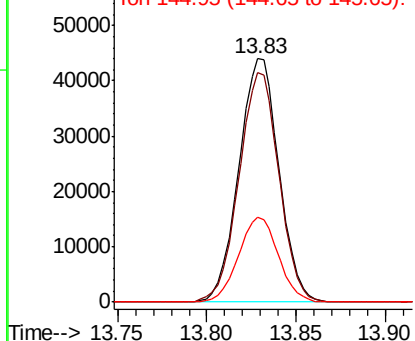


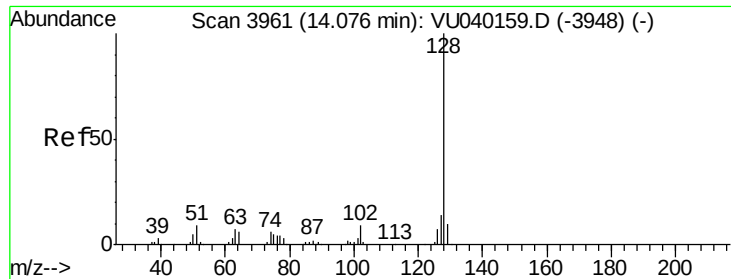
#68
 1,2,4-trichlorobenzene
 Concen: 5.137 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040174.D
 Acq: 17 Sep 2020 02:58

Tgt Ion:180 Resp: 69001
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.0 114.0
 145 34.6 28.4 42.6



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: 5.469 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

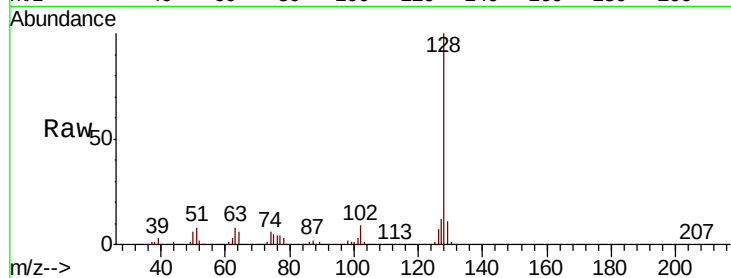
Tot Ion:128 Resp: 153128

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

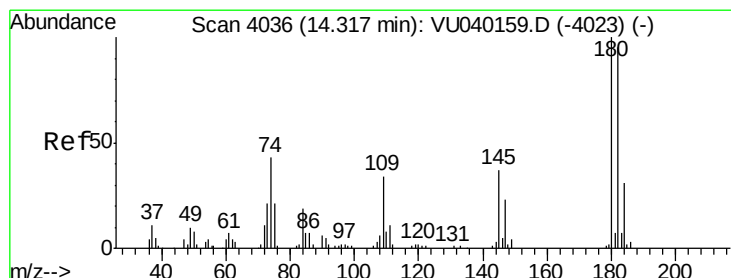
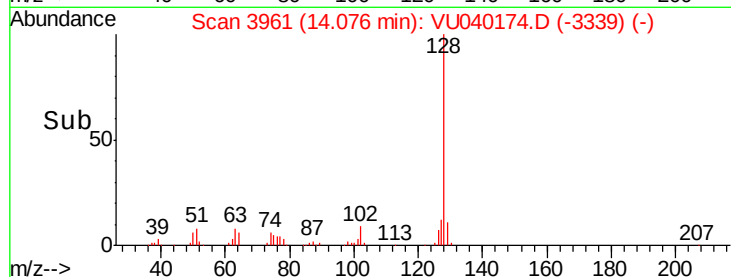
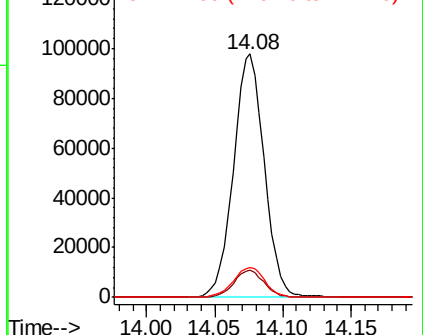
127 12.7 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.168 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040174.D

Acq: 17 Sep 2020 02:58

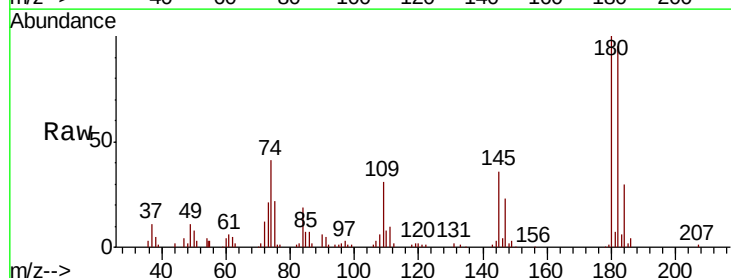
Tgt Ion:180 Resp: 63761

Ion Ratio Lower Upper

180 100

182 93.8 77.8 116.6

145 36.2 28.7 43.1



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

