

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU041000.D
 Acq On : 28 Oct 2020 18:07
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

Quant Time: Oct 29 01:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122051	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118030	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	60129	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	83620	10.29	ug/L	0.00
7) Chloroethane-d5	1.92	69	65597	9.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	39719	9.65	ug/L	0.00
20) 2-Butanone-d5	4.66	46	357033	115.30	ug/L	0.00
24) Chloroform-d	5.08	84	168200	10.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	102841	10.13	ug/L	0.00
32) Benzene-d6	5.75	84	301575	9.87	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	103141	10.13	ug/L	0.00
41) Toluene-d8	7.91	98	271179	9.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	45037	10.84	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	266550	123.61	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	93926	10.77	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	99033	9.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	106152	8.592 ug/L	97
3) Chloromethane	1.53	50	106721	8.708 ug/L	99
5) Vinyl chloride	1.61	62	106458	8.770 ug/L	98
6) Bromomethane	1.87	94	59321	9.165 ug/L	100
8) Chloroethane	1.94	64	63952	8.878 ug/L	96
9) Trichlorofluoromethane	2.15	101	147308	8.994 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	88211	8.835 ug/L	98
12) 1,1-Dichloroethene	2.59	96	80705	8.623 ug/L	97
13) Acetone	2.67	43	216039	94.115 ug/L	78
14) Carbon disulfide	2.81	76	262994	8.178 ug/L	98
15) Methyl Acetate	2.98	43	49441	8.677 ug/L	97
16) Methylene chloride	3.06	84	93272	7.964 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	223478	9.130 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	82325	8.454 ug/L	95
19) 1,1-Dichloroethane	3.89	63	170460	8.809 ug/L	99
21) 2-Butanone	4.75	43	353355	93.846 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	89116	8.699 ug/L	99
23) Bromochloromethane	5.00	128	43291	8.946 ug/L	97
25) Chloroform	5.11	83	173919	8.953 ug/L	99
27) 1,2-Dichloroethane	5.81	62	125033	8.897 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	147406	9.052 ug/L	99
30) Cyclohexane	5.41	56	151837	8.797 ug/L	98
31) Carbon tetrachloride	5.54	117	127117	9.162 ug/L	96
33) Benzene	5.79	78	359269	8.990 ug/L	100
34) Trichloroethene	6.56	95	94211	9.126 ug/L	97
35) Methylcyclohexane	6.77	83	143878	9.035 ug/L	97
37) 1,2-Dichloropropane	6.80	63	97919	8.733 ug/L	99
38) Bromodichloromethane	7.11	83	123957	9.118 ug/L	95
39) cis-1,3-Dichloropropene	7.62	75	138611	9.213 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	821287	97.395 ug/L	100

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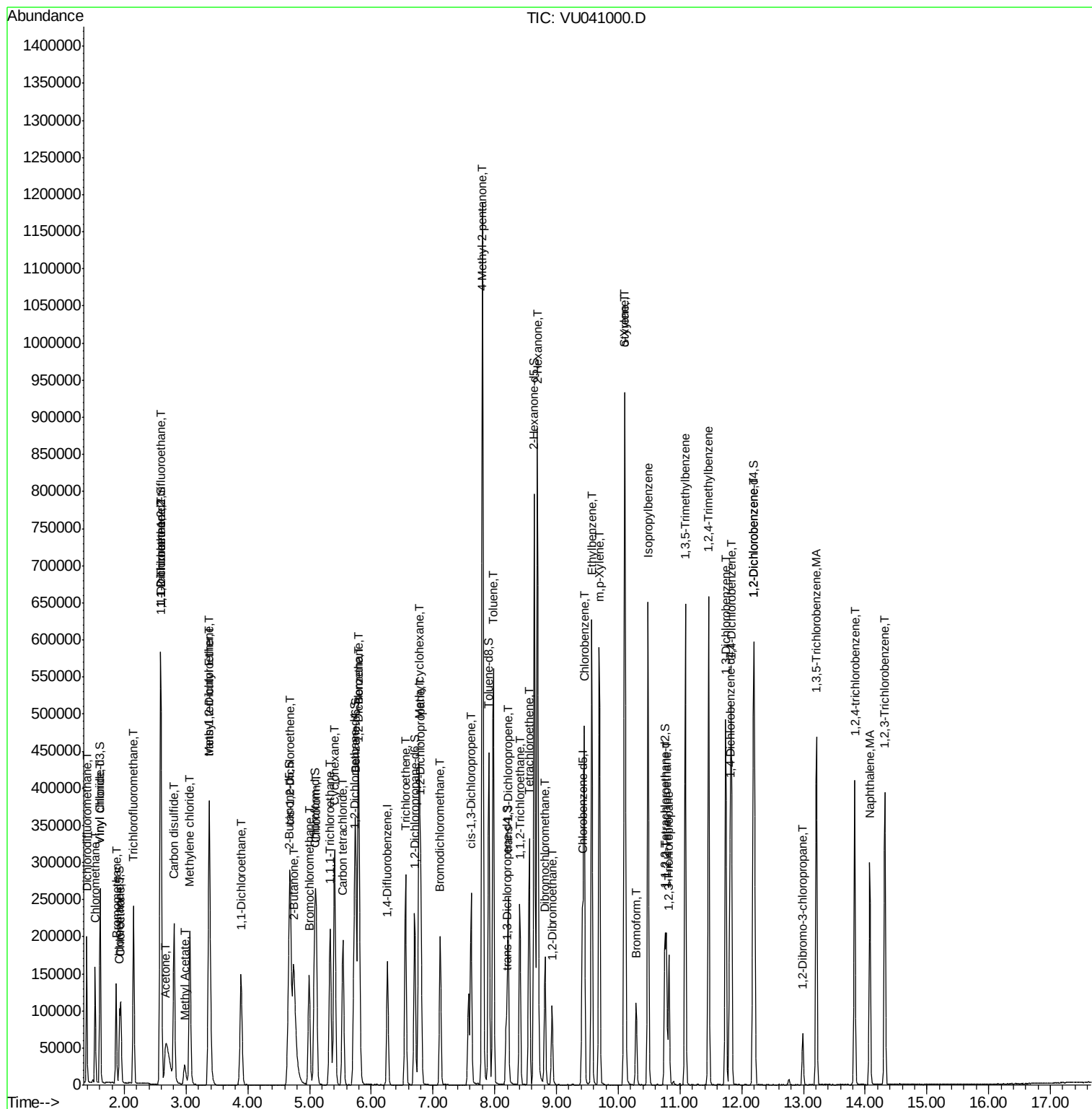
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	379433	9.386	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	129965	9.350	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	70285	9.220	ug/L	96
47) Tetrachloroethene	8.56	164	64875	8.657	ug/L	94
48) 2-Hexanone	8.69	43	598857	97.153	ug/L	99
49) Dibromochloromethane	8.82	129	83642	9.550	ug/L	98
50) 1,2-Dibromoethane	8.93	107	67370	9.168	ug/L	99
51) Chlorobenzene	9.45	112	228382	8.796	ug/L	99
52) Ethylbenzene	9.57	91	405993	9.210	ug/L	99
53) m,p-Xylene	9.69	106	150823	9.495	ug/L	96
54) o-Xylene	10.10	106	141355	9.245	ug/L	98
55) Styrene	10.11	104	253003	9.580	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	91896	9.153	ug/L	97
59) Bromoform	10.29	173	45699	9.437	ug/L	95
60) Isopropylbenzene	10.48	105	385801	9.444	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	70966	9.181	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	318677	9.733	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	337545	10.145	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	181085	8.900	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	184592	8.788	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	173837	9.079	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	17663	9.706	ug/L	90
69) 1,3,5-Trichlorobenzene	13.21	180	125183	8.785	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	108757	9.450	ug/L	97
71) Naphthalene	14.08	128	218367	11.028	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	107109	10.314	ug/L	99

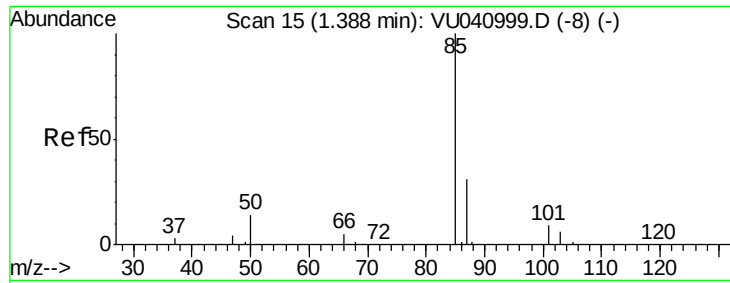
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.592 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

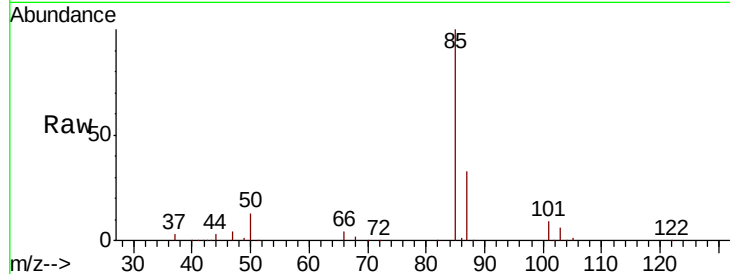
VSTD010105

Tot Ion: 85 Resp: 106152

Ion Ratio Lower Upper

85 100

87 33.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU040999.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040999.D (-8) (-)

1.39

120000

100000

80000

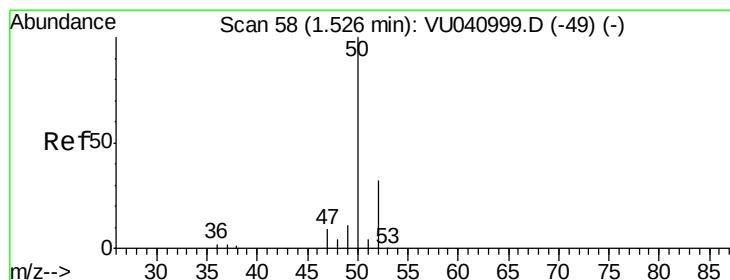
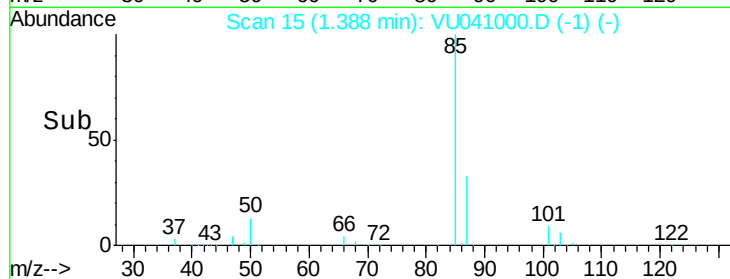
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 8.708 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041000.D

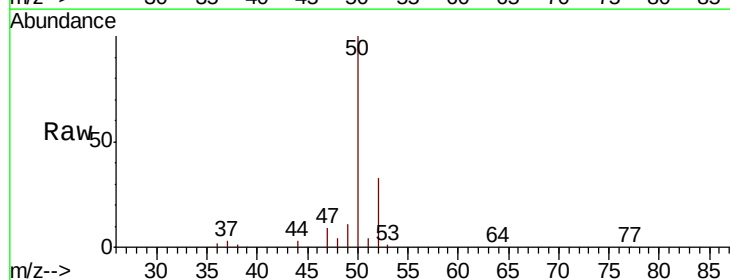
Acq: 28 Oct 2020 18:07

Tgt Ion: 50 Resp: 106721

Ion Ratio Lower Upper

50 100

52 32.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040999.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040999.D (-49) (-)

1.53

100000

80000

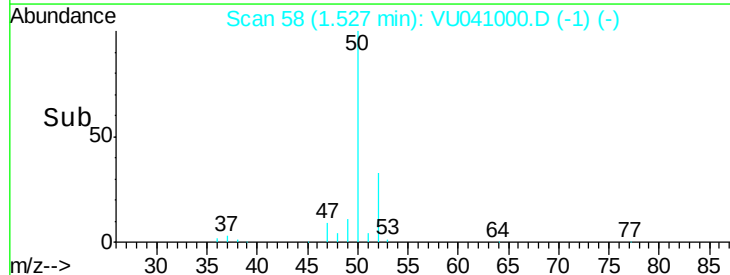
60000

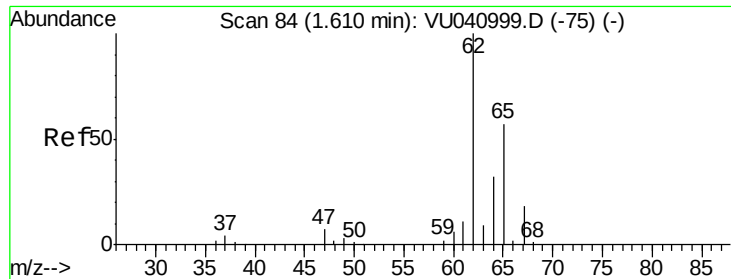
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 8.770 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

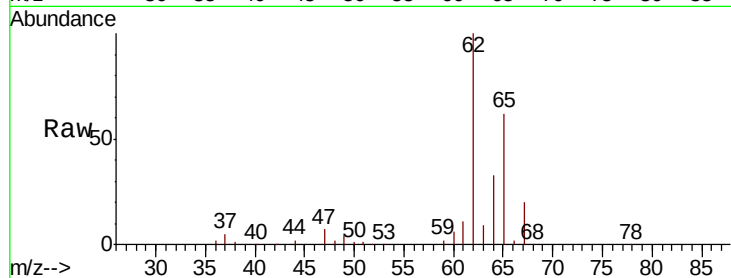
VSTD010105

Tot Ion: 62 Resp: 106458

Ion Ratio Lower Upper

62 100

64 33.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

100000

80000

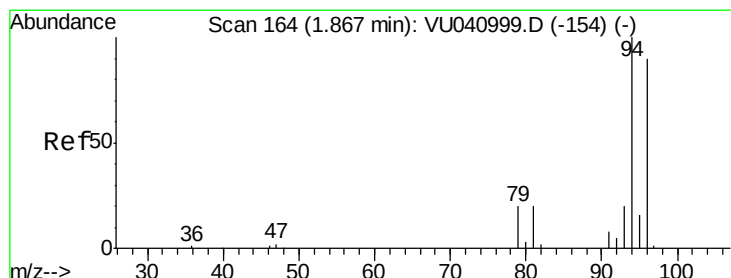
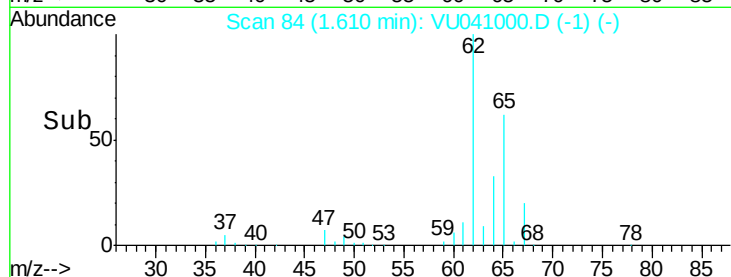
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 9.165 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041000.D

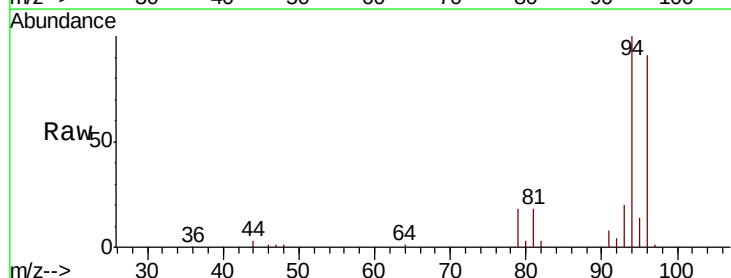
Acq: 28 Oct 2020 18:07

Tgt Ion: 94 Resp: 59321

Ion Ratio Lower Upper

94 100

96 90.6 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

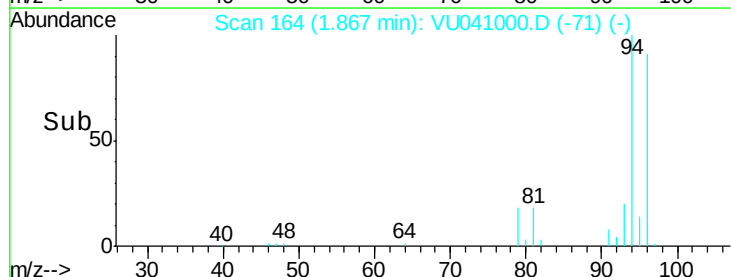
30000

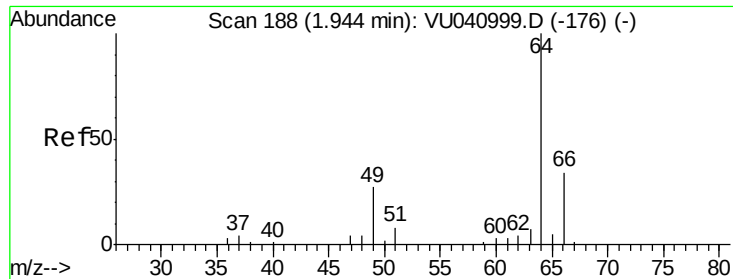
20000

10000

0

Time--> 1.80 1.85 1.90 1.95

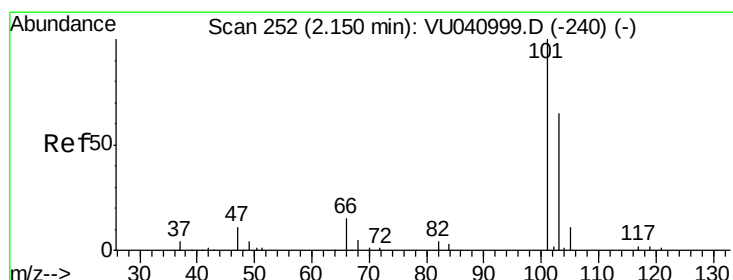
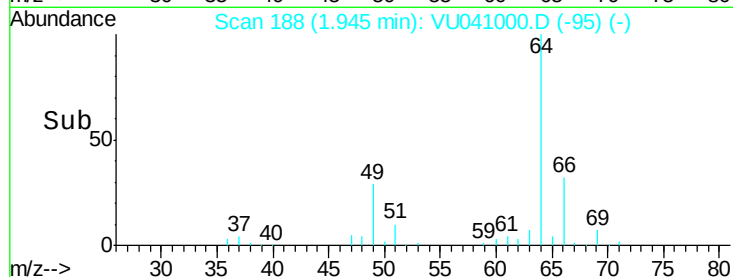
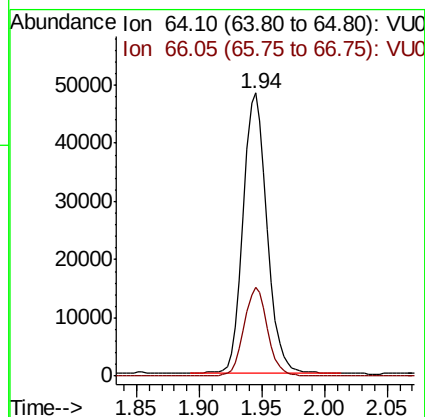
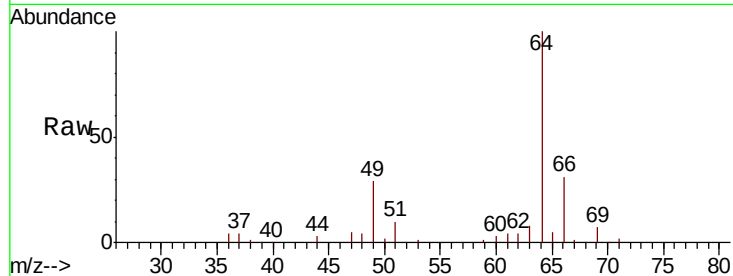




#8
Chloroethane
Concen: 8.878 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

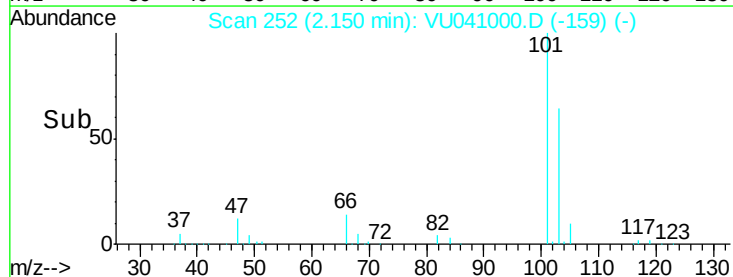
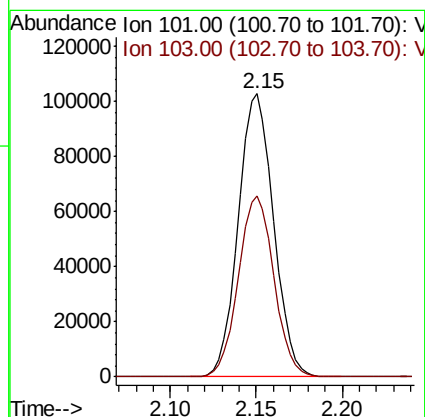
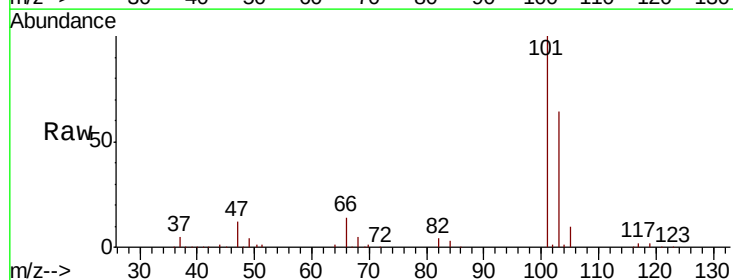
Instrument :
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ClientSampleId :
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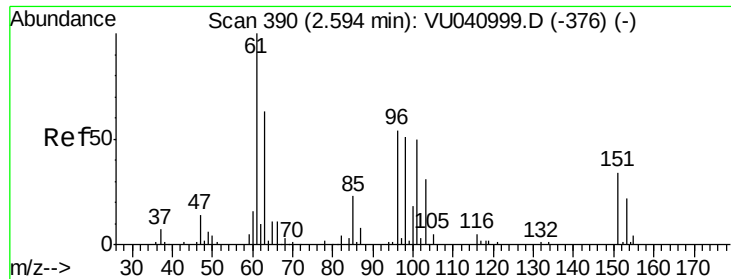
Tot Ion: 64 Resp: 63952
Ion Ratio Lower Upper
64 100
66 31.2 23.4 43.6



#9
Trichlorofluoromethane
Concen: 8.994 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Tgt Ion: 101 Resp: 147308
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.4





#10

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

Concen: 8.835 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

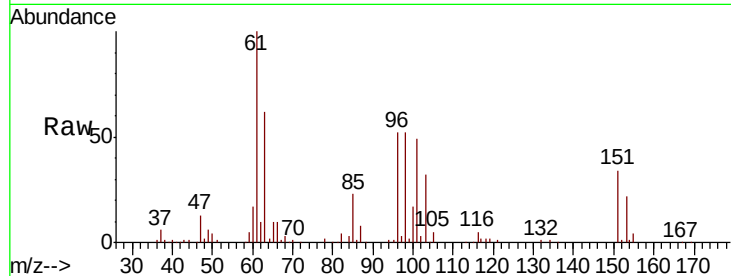
Tot Ion:101 Resp: 88211

Ion Ratio Lower Upper

101 100

85 46.6 38.1 57.1

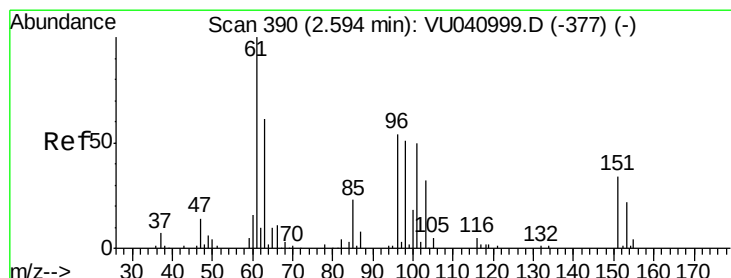
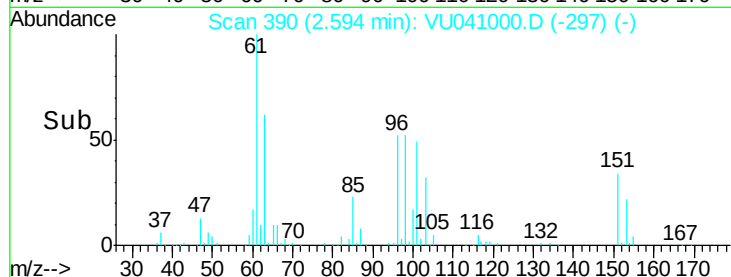
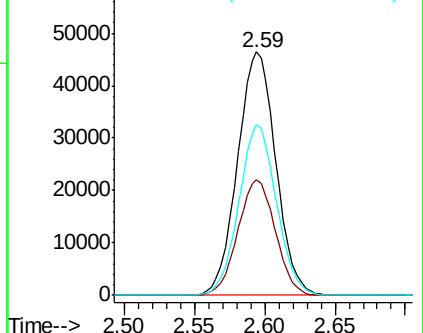
151 68.6 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.623 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

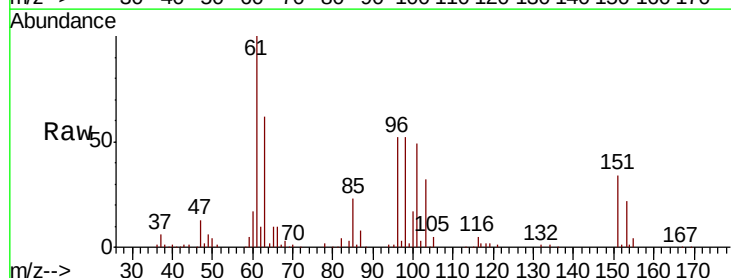
Tgt Ion: 96 Resp: 80705

Ion Ratio Lower Upper

96 100

61 193.2 130.2 241.8

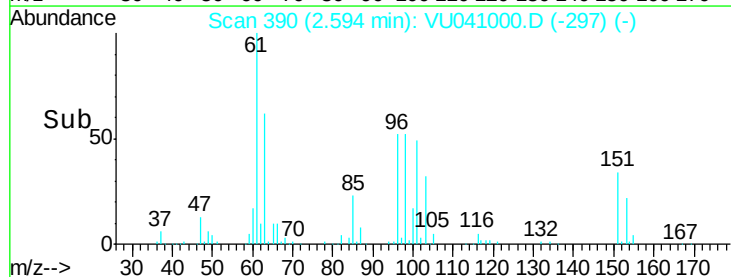
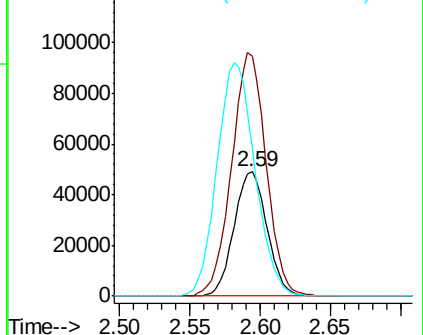
63 119.2 83.7 155.5

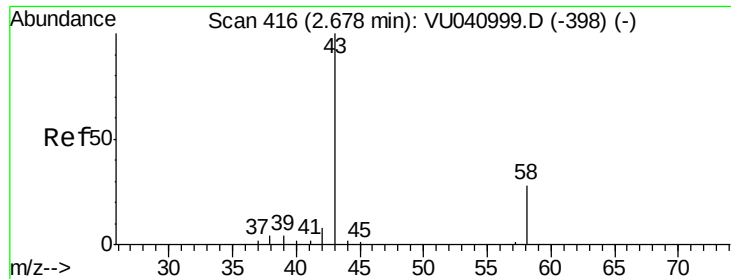


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 94.115 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

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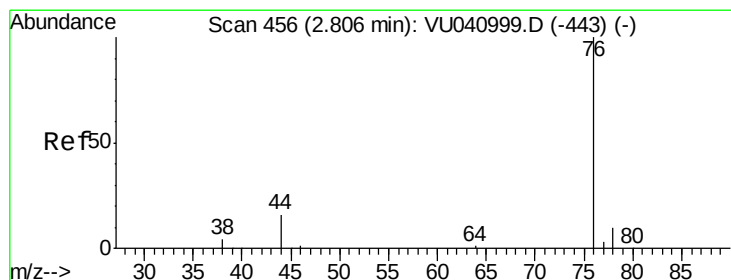
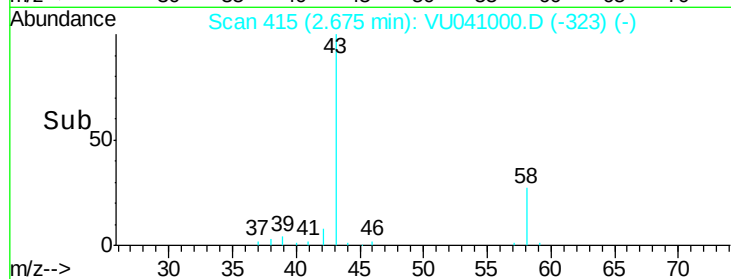
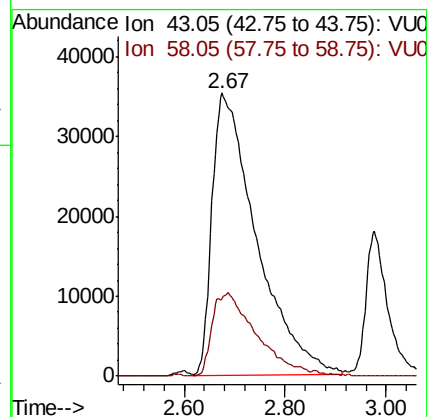
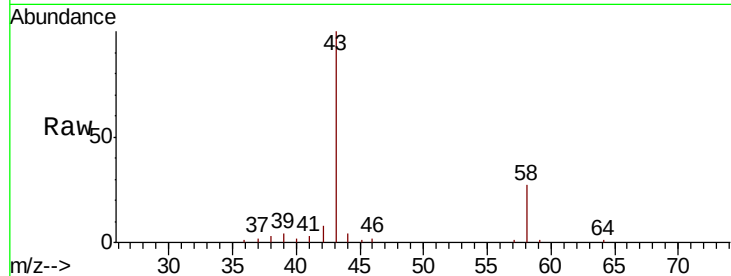
VSTD010105

Tot Ion: 43 Resp: 216039

Ion Ratio Lower Upper

43 100

58 6.3 0.0 30.8



#14

Carbon disulfide

Concen: 8.178 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041000.D

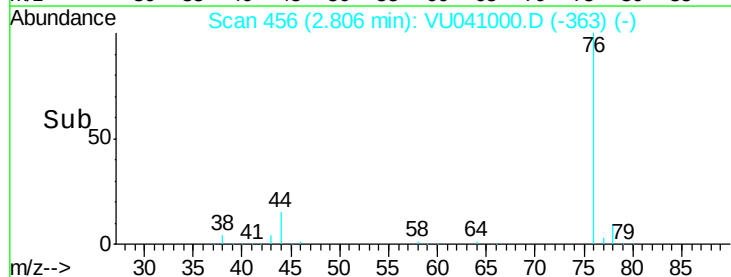
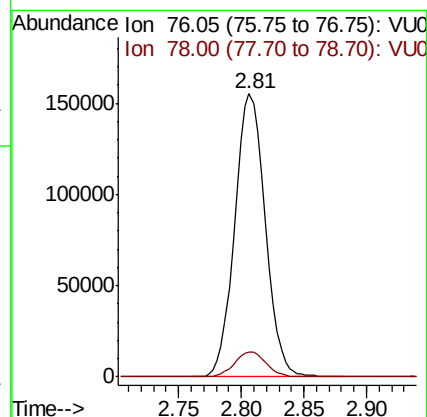
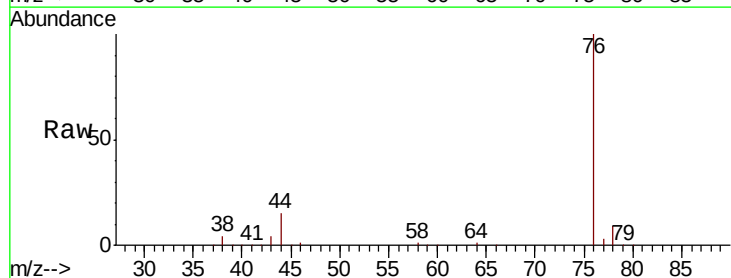
Acq: 28 Oct 2020 18:07

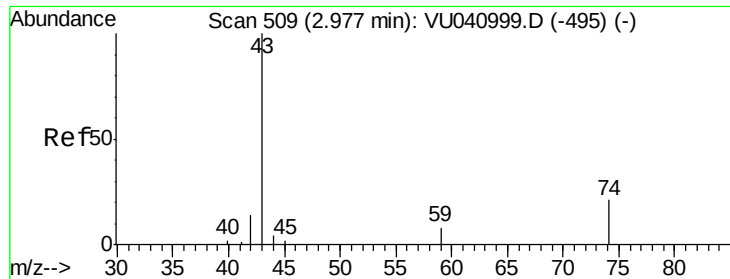
Tgt Ion: 76 Resp: 262994

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

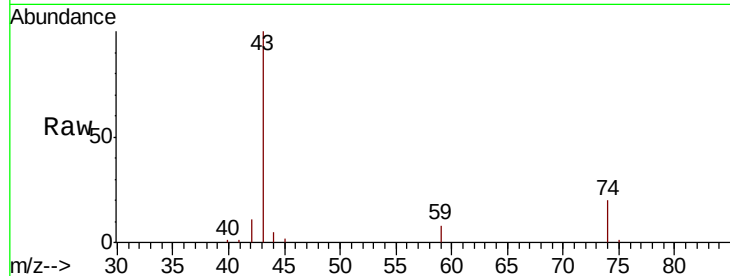




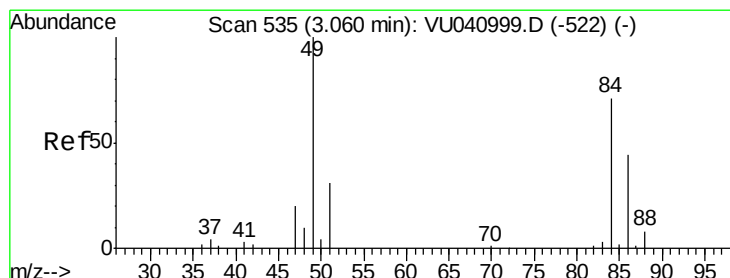
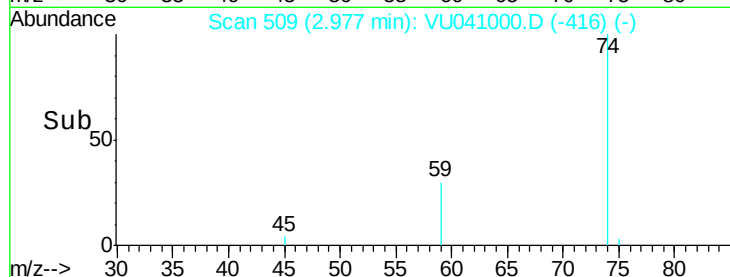
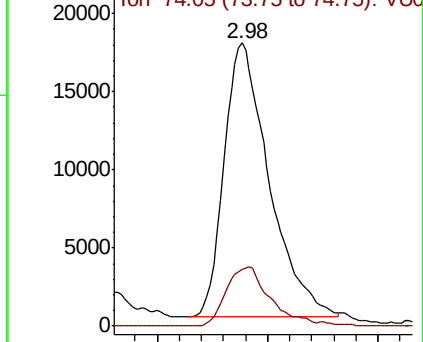
#15
Methvl Acetate
Concen: 8.677 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD010105

Tot Ion: 43 Resp: 49441
Ion Ratio Lower Upper
43 100
74 21.0 15.6 23.4

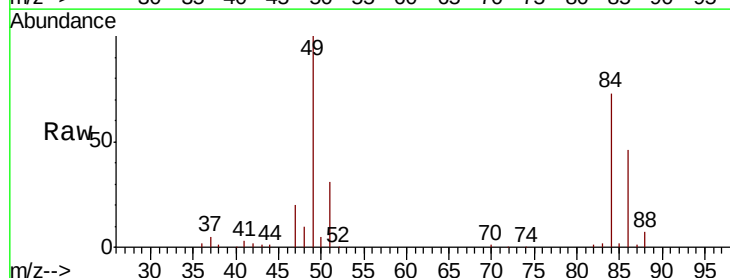


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

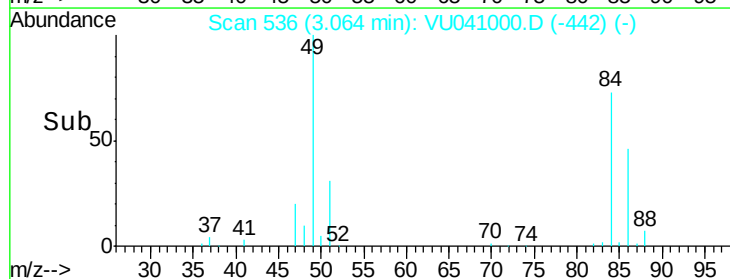
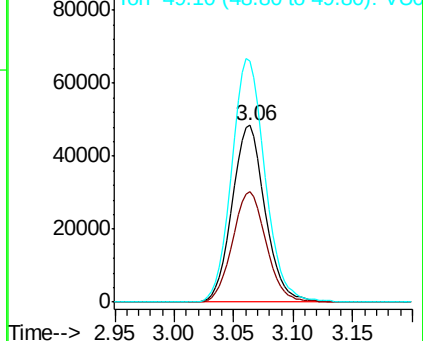


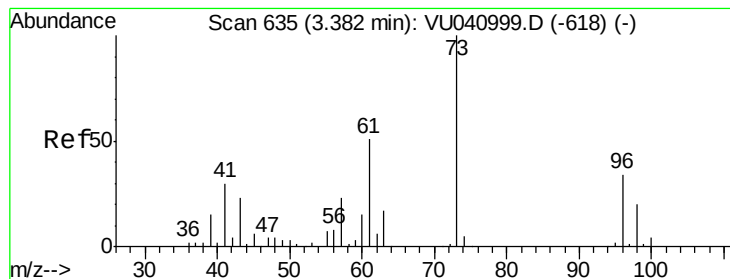
#16
Methylene chloride
Concen: 7.964 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Tgt Ion: 84 Resp: 93272
Ion Ratio Lower Upper
84 100
86 62.6 44.2 82.0
49 136.2 99.3 184.3



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 9.130 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

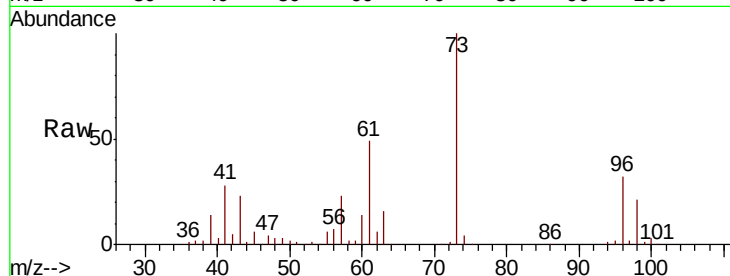
Tot Ion: 73 Resp: 223478

Ion Ratio Lower Upper

73 100

43 23.2 19.5 29.3

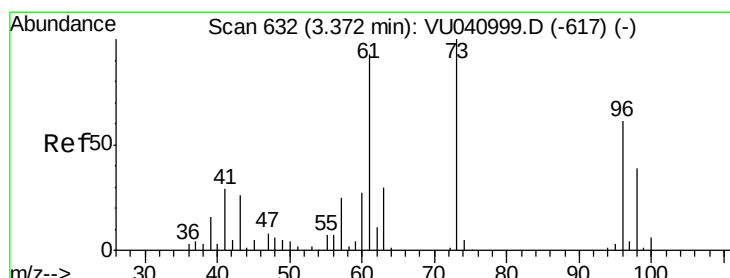
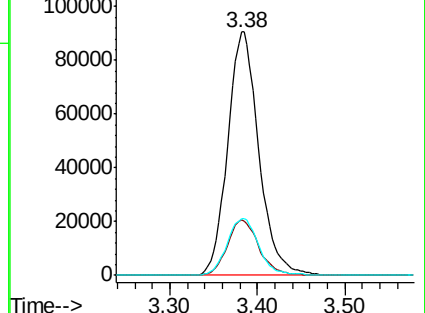
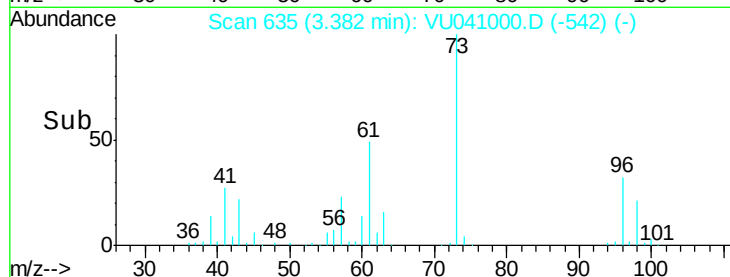
57 23.8 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU041000.D (-542) (-)

Ion 43.05 (42.75 to 43.75): VU041000.D (-542) (-)

Ion 57.10 (56.80 to 57.80): VU041000.D (-542) (-)



#18

trans-1,2-Dichloroethene

Concen: 8.454 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

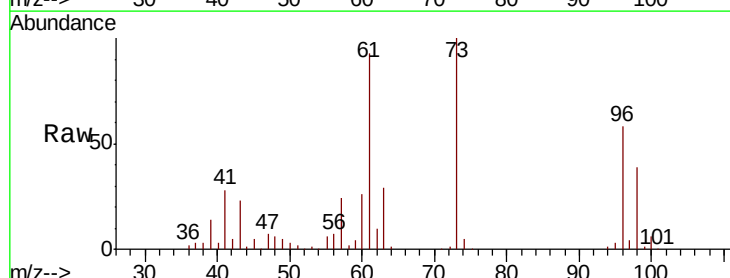
Tgt Ion: 96 Resp: 82325

Ion Ratio Lower Upper

96 100

61 160.0 107.2 199.0

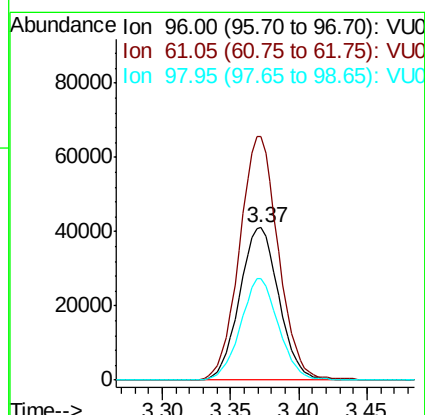
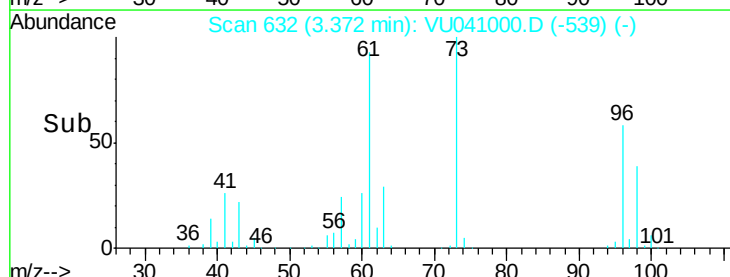
98 67.2 44.6 82.8

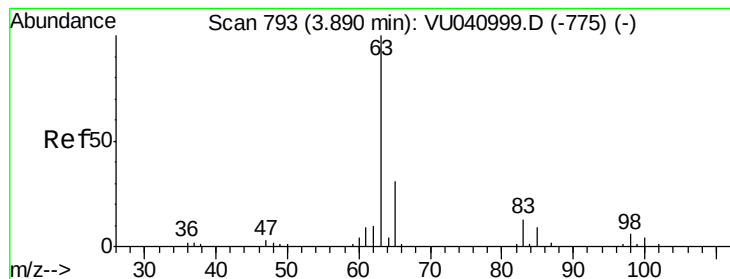


Abundance Ion 96.00 (95.70 to 96.70): VU041000.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU041000.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU041000.D (-539) (-)





#19

1,1-Dichloroethane

Concen: 8.809 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

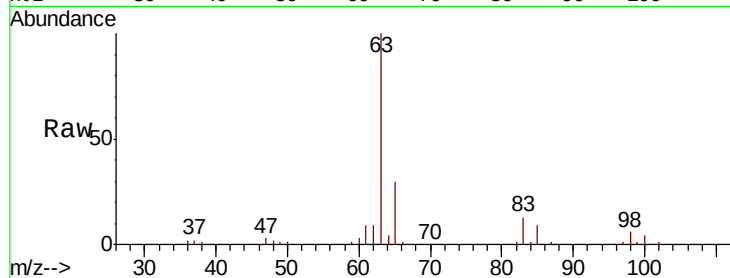
Tot Ion: 63 Resp: 170460

Ion Ratio Lower Upper

63 100

65 30.2 21.8 40.4

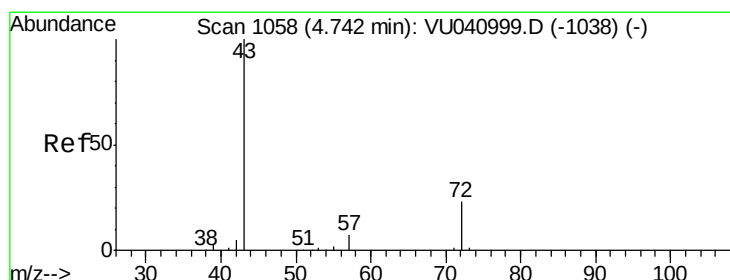
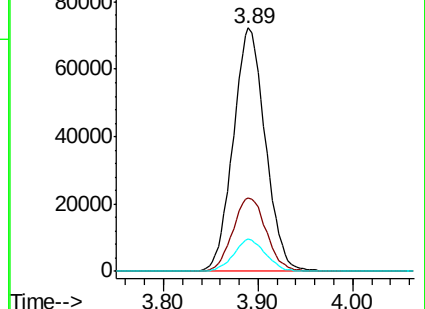
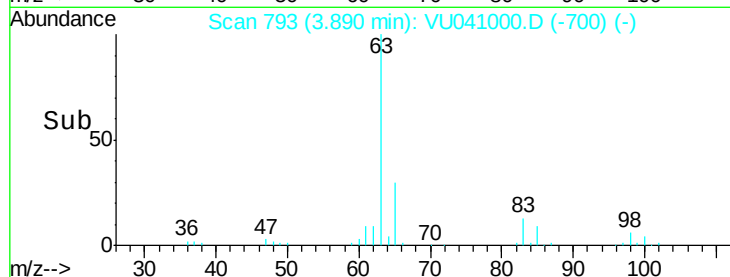
83 13.2 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041000.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU041000.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU041000.D (-700) (-)



#21

2-Butanone

Concen: 93.846 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU041000.D

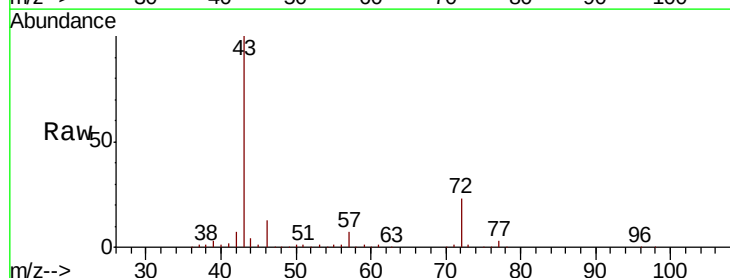
Acq: 28 Oct 2020 18:07

Tgt Ion: 43 Resp: 353355

Ion Ratio Lower Upper

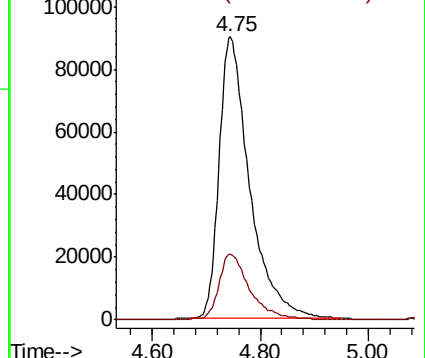
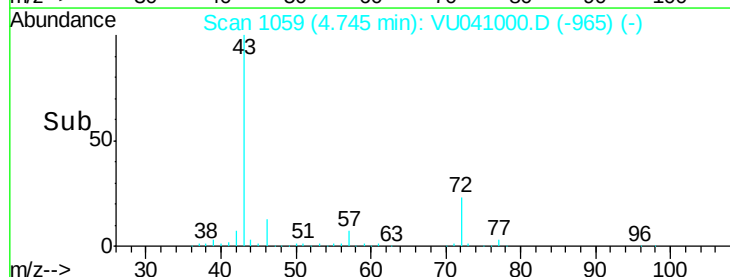
43 100

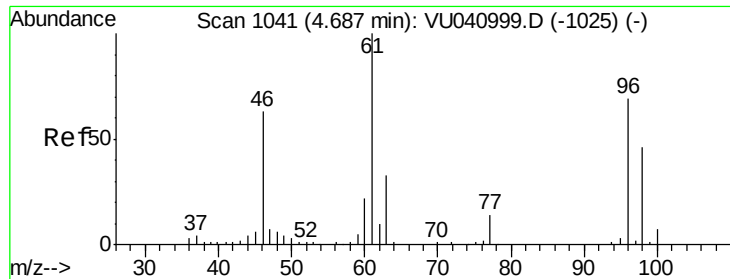
72 24.0 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU041000.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU041000.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 8.699 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

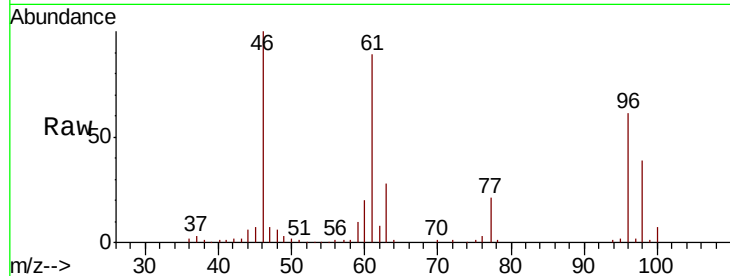
Tot Ion: 96 Resp: 89116

Ion Ratio Lower Upper

96 100

61 145.1 101.7 188.9

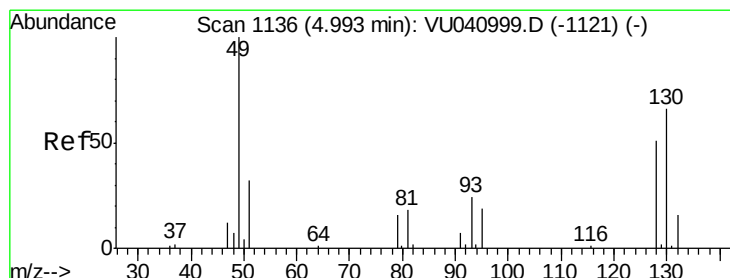
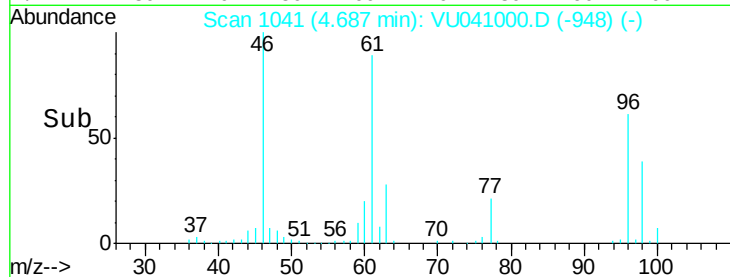
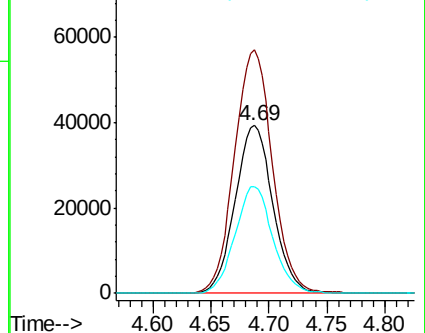
98 63.8 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU041000.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041000.D (-948) (-)

Ion 98.00 (97.70 to 98.70): VU041000.D (-948) (-)



#23

Bromochloromethane

Concen: 8.946 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Tgt Ion: 128 Resp: 43291

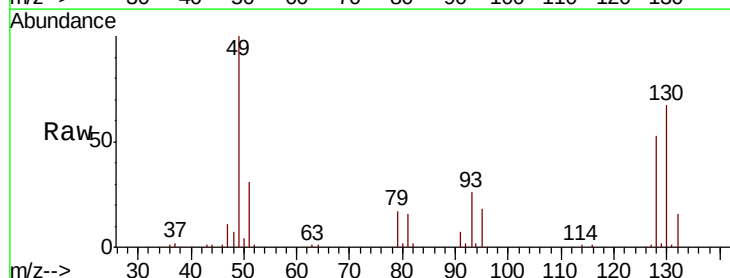
Ion Ratio Lower Upper

128 100

49 190.5 137.5 255.4

130 127.1 90.2 167.4

51 58.5 49.8 74.6

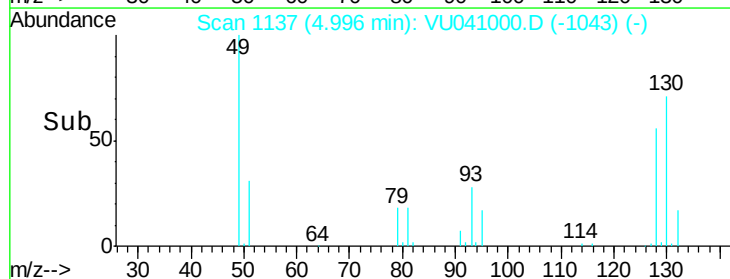
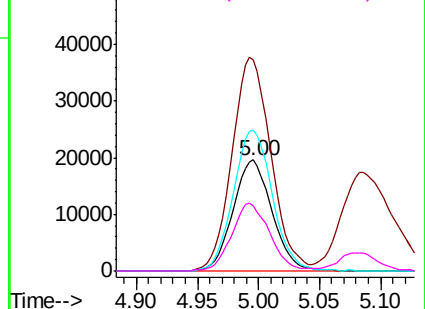


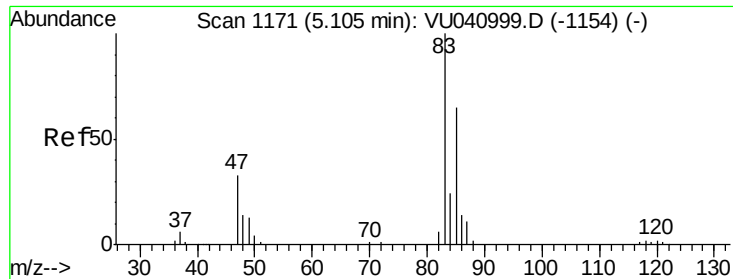
Abundance Ion 127.90 (127.60 to 128.60): VU041000.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041000.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041000.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041000.D (-1043) (-)

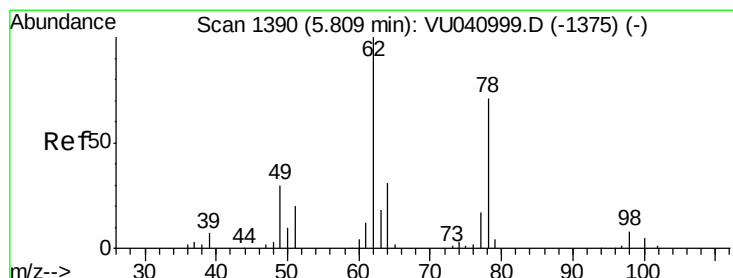
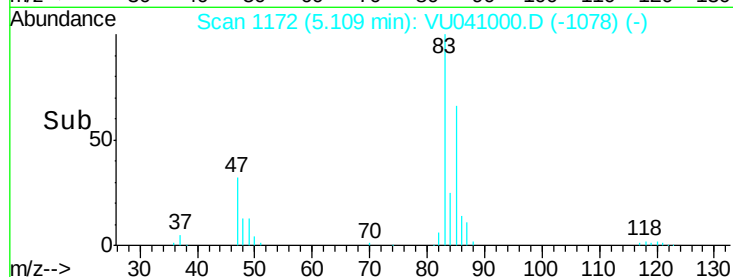
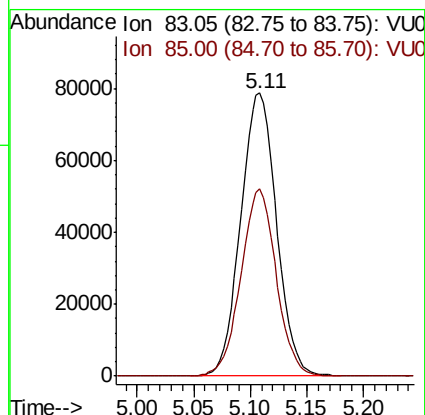
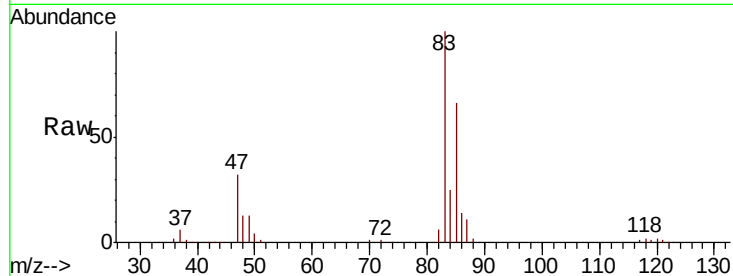




#25
Chloroform
Concen: 8.953 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

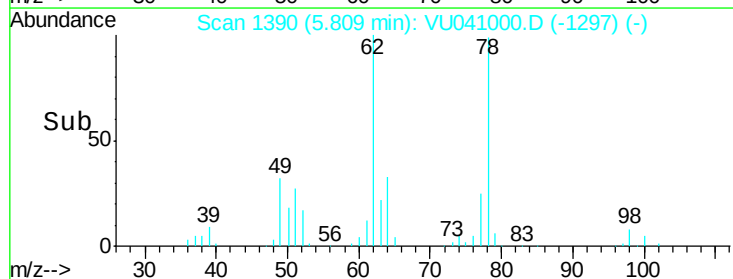
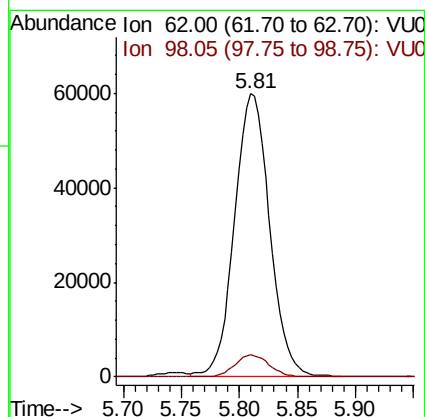
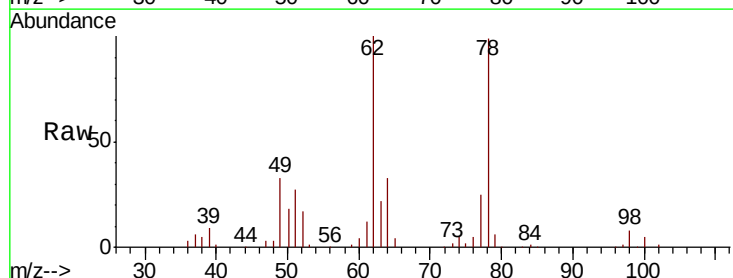
Instrument :
MSVOA_U
ClientSampleId :
VSTD010105

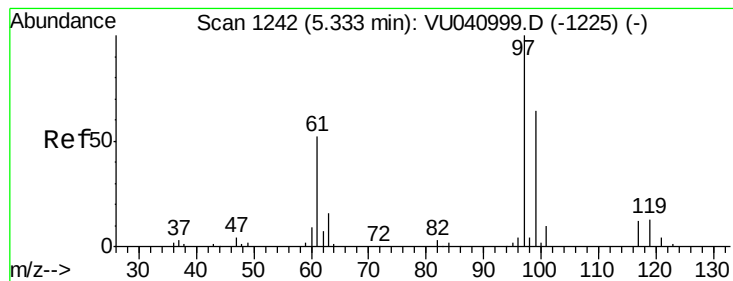
Tot Ion: 83 Resp: 173919
Ion Ratio Lower Upper
83 100
85 66.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 8.897 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Tgt Ion: 62 Resp: 125033
Ion Ratio Lower Upper
62 100
98 7.7 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 9.052 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

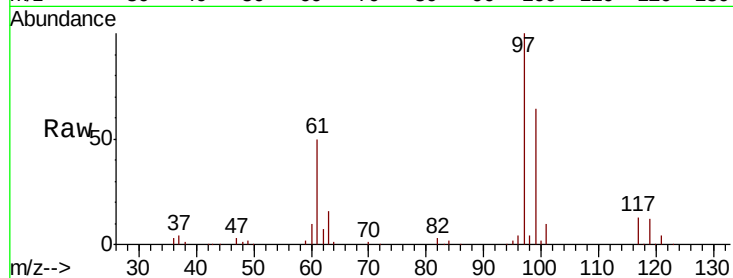
Tot Ion: 97 Resp: 147406

Ion Ratio Lower Upper

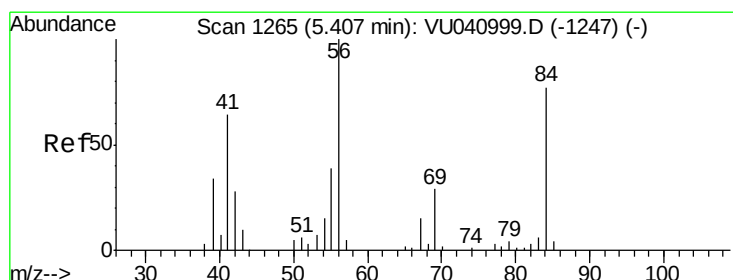
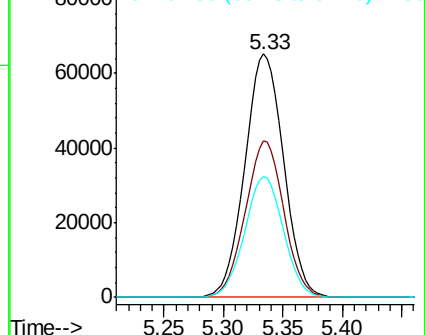
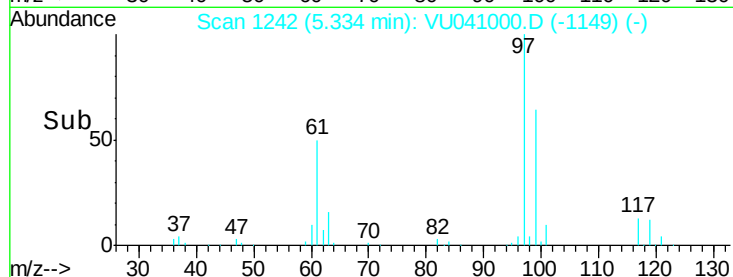
97 100

99 63.8 50.2 75.2

61 49.8 39.6 59.4



Abundance Ion 96.95 (96.65 to 97.65): VU041000.D (-1149) (-)



#30

Cyclohexane

Concen: 8.797 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

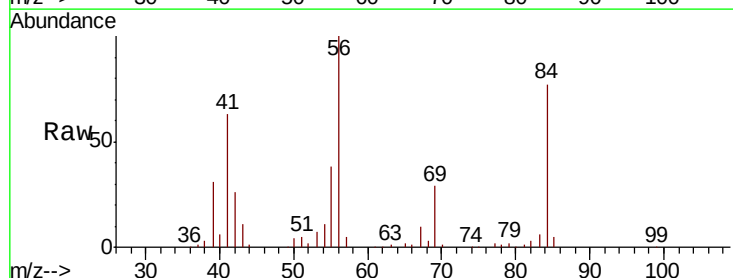
Tgt Ion: 56 Resp: 151837

Ion Ratio Lower Upper

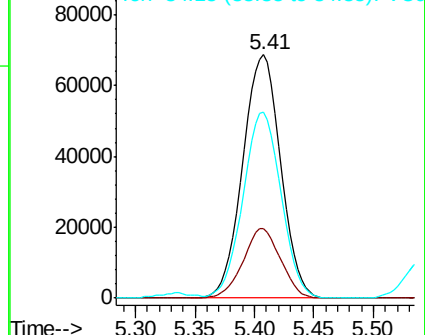
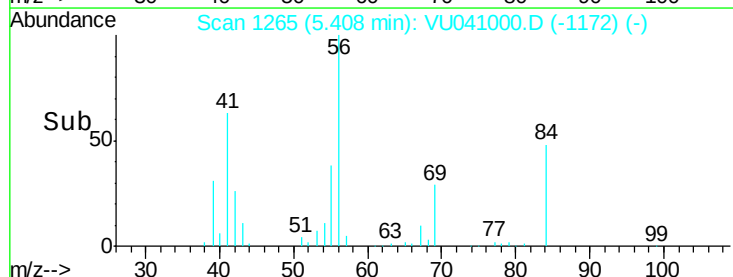
56 100

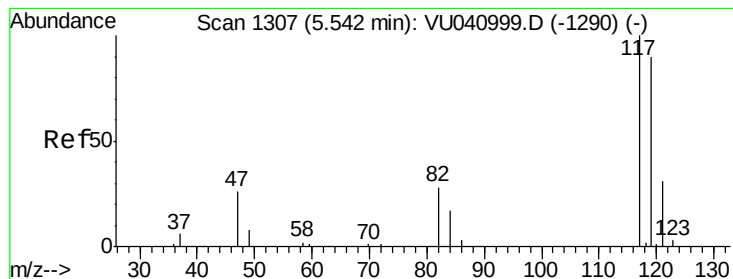
69 28.2 23.2 34.8

84 76.8 62.9 94.3



Abundance Ion 56.10 (55.80 to 56.80): VU041000.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 9.162 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

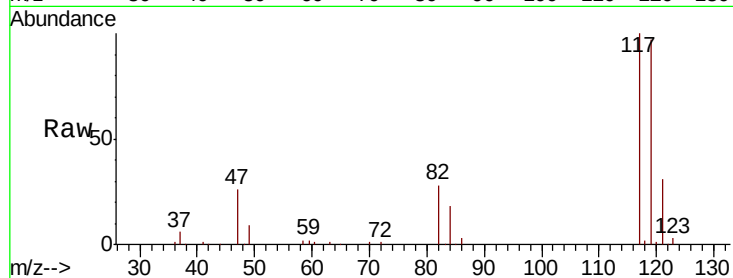
VSTD010105

Tot Ion:117 Resp: 127117

Ion Ratio Lower Upper

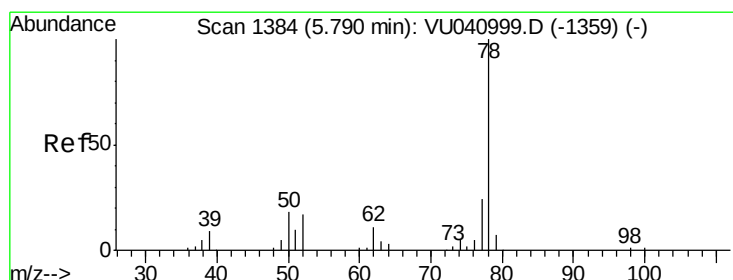
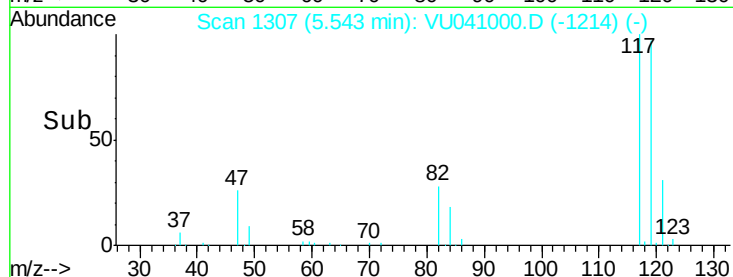
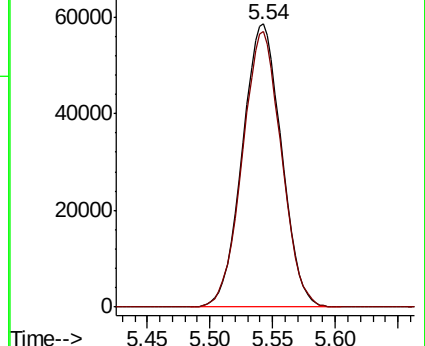
117 100

119 96.8 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 8.990 ug/L

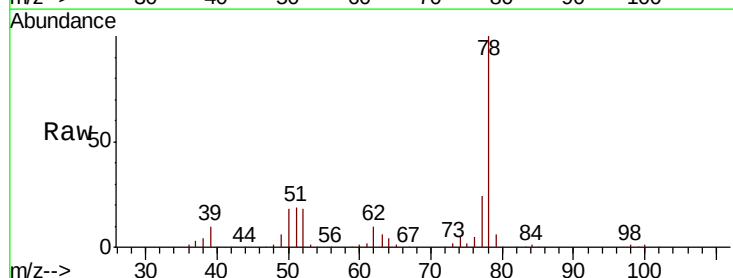
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

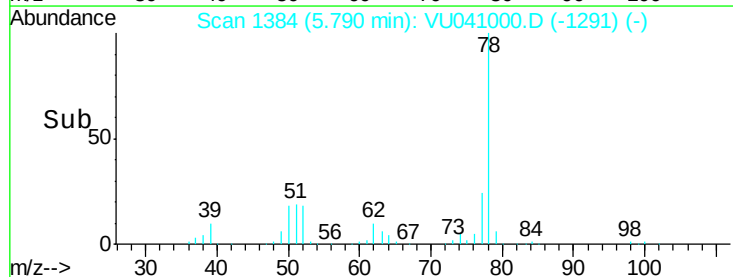
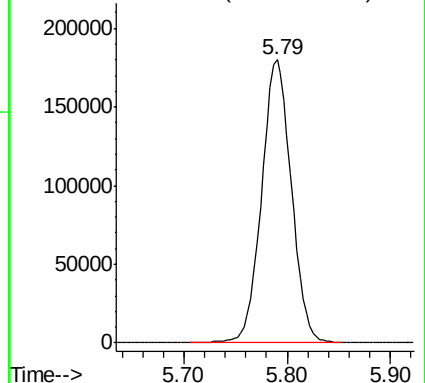
Lab File: VU041000.D

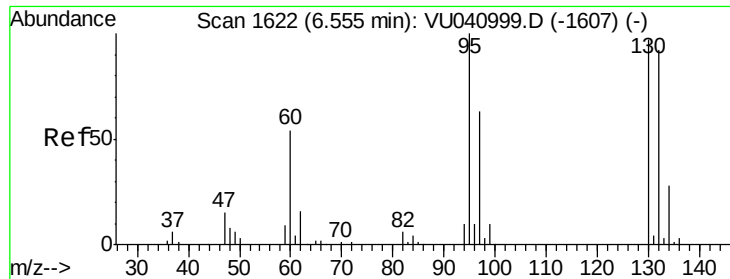
Acq: 28 Oct 2020 18:07

Tgt Ion: 78 Resp: 359269



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.126 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

Tot Ion: 95 Resp: 94211

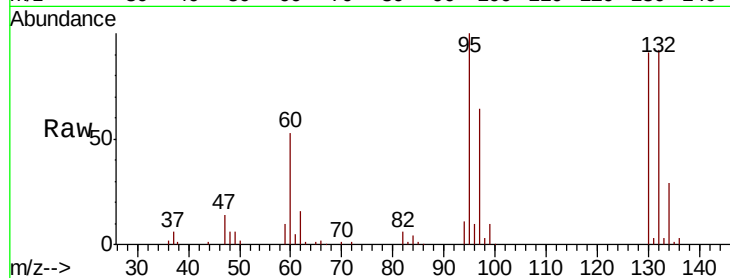
Ion Ratio Lower Upper

95 100

97 64.4 43.8 81.4

132 92.0 64.5 119.7

130 91.2 67.6 125.6

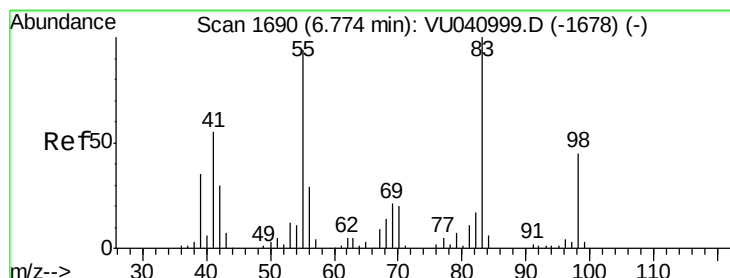
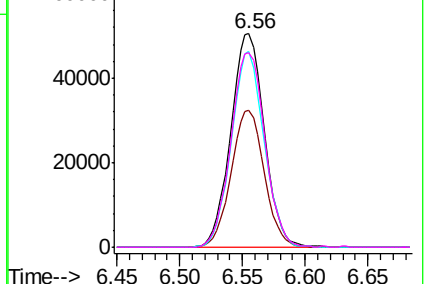
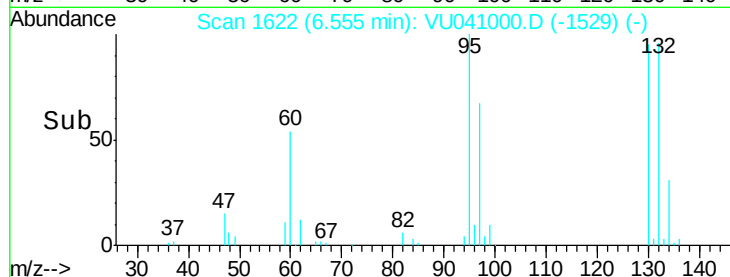


Abundance Ion 95.00 (94.70 to 95.70): VU041000.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU041000.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU041000.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU041000.D (-1529) (-)



#35

Methylcyclohexane

Concen: 9.035 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

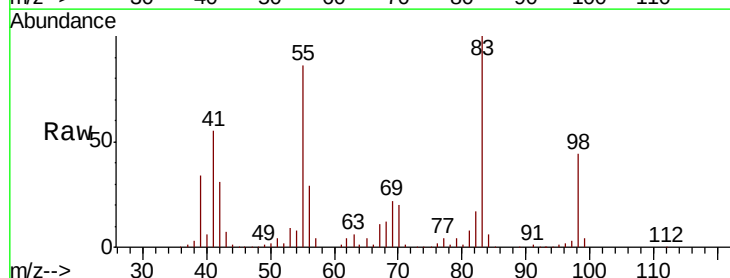
Tgt Ion: 83 Resp: 143878

Ion Ratio Lower Upper

83 100

55 87.3 72.7 109.1

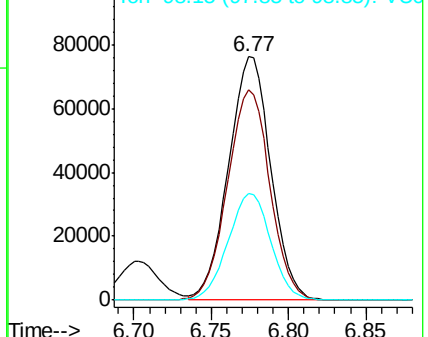
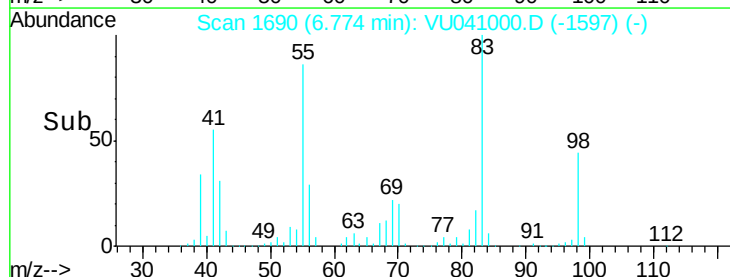
98 44.7 35.7 53.5

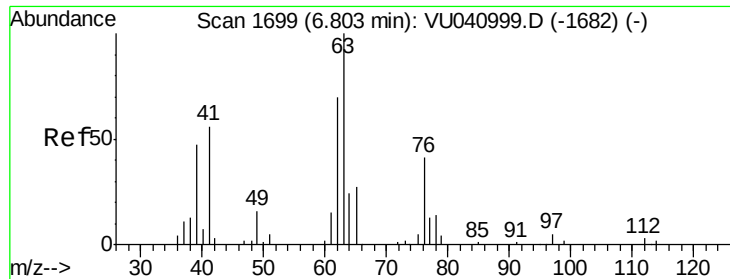


Abundance Ion 83.15 (82.85 to 83.85): VU041000.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041000.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041000.D (-1597) (-)

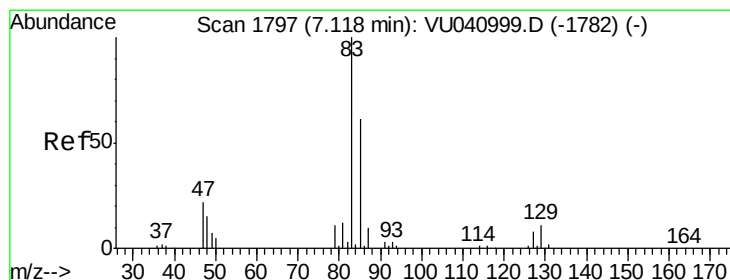
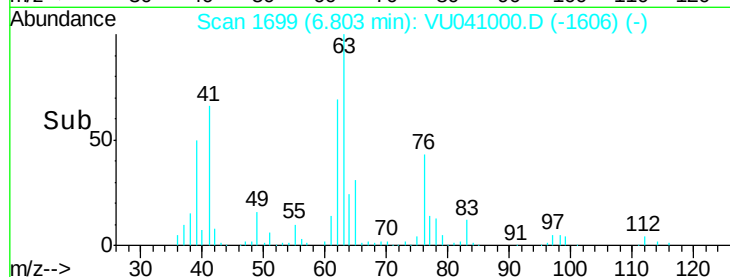
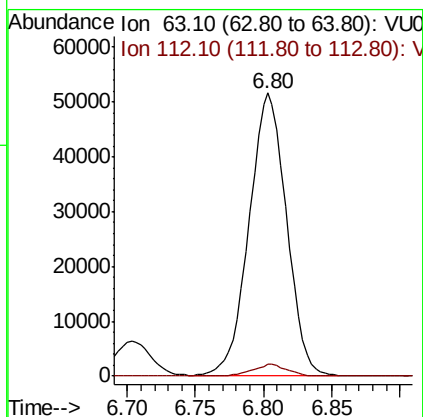
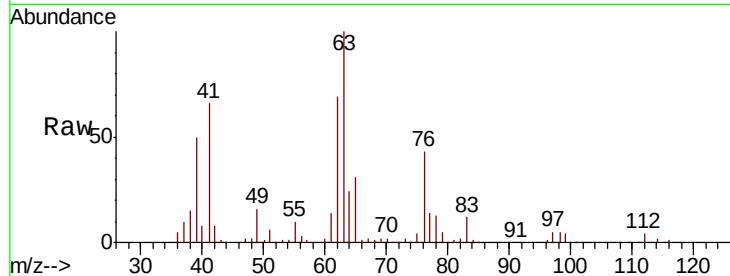




#37
 1,2-Dichloropropane
 Concen: 8.733 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

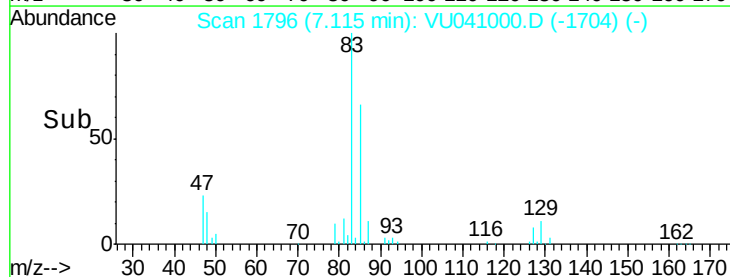
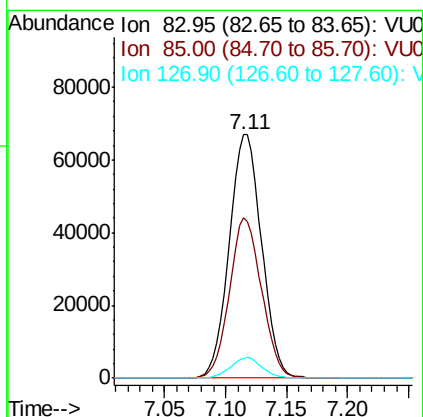
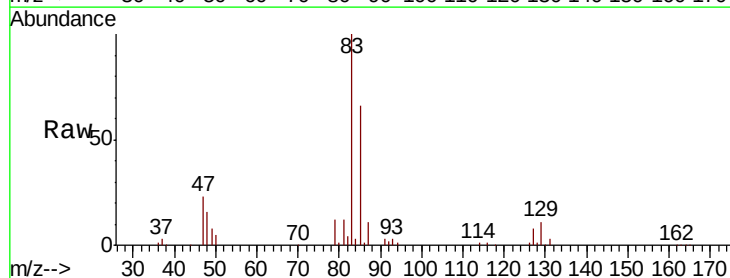
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

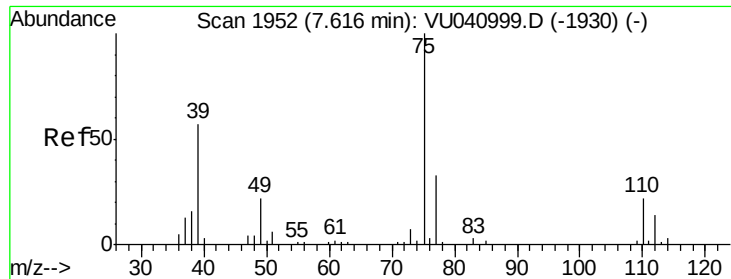
Tot Ion: 63 Resp: 97919
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.118 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion: 83 Resp: 123957
 Ion Ratio Lower Upper
 83 100
 85 65.9 42.9 79.7
 127 8.3 6.2 9.2

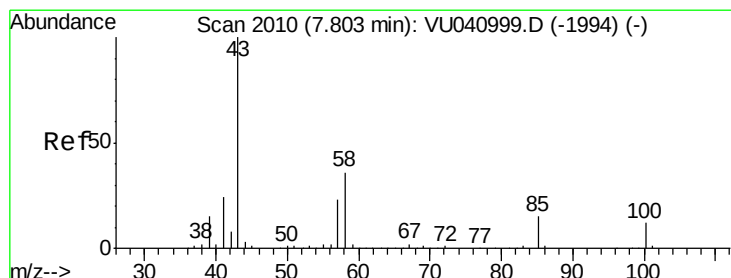
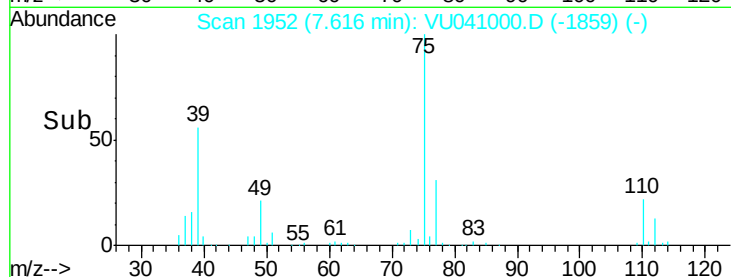
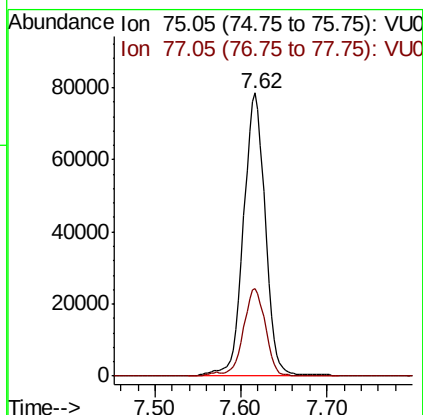
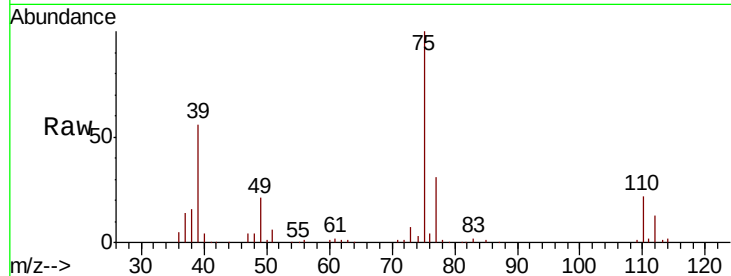




#39
 cis-1,3-Dichloropropene
 Concen: 9.213 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

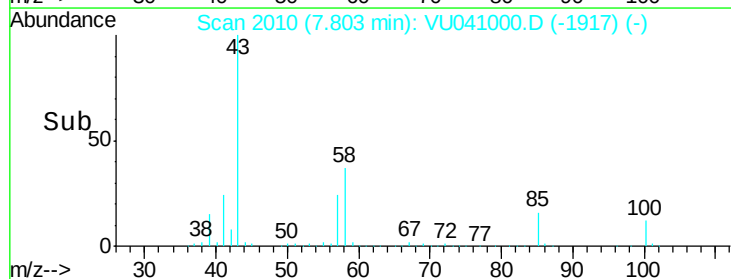
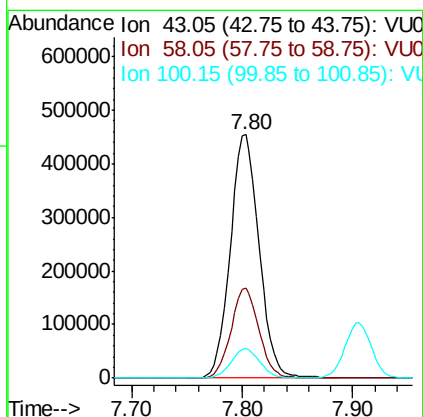
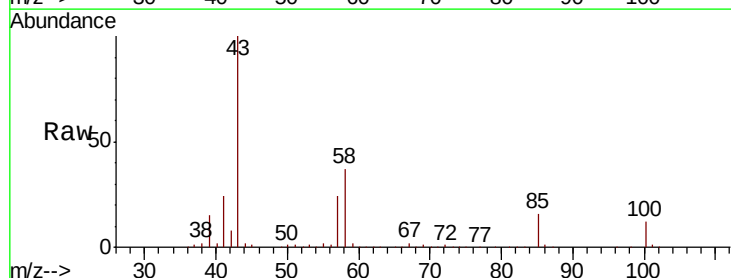
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

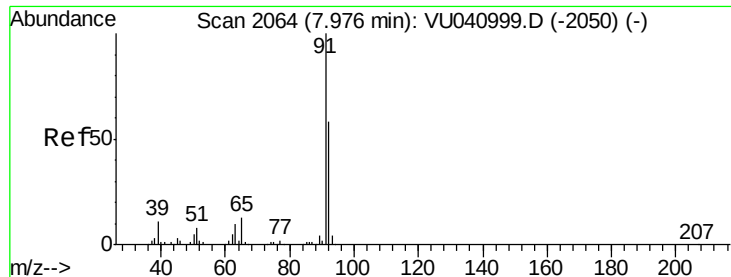
Tot Ion: 75 Resp: 138611
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 97.395 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion: 43 Resp: 821287
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.6 43.0
 100 12.1 9.6 14.4





#42

Toluene

Concen: 9.386 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

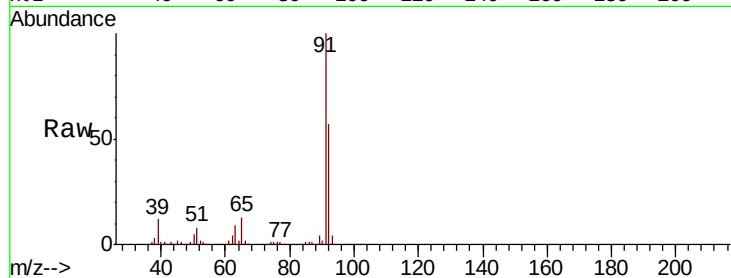
VSTD010105

Tot Ion: 91 Resp: 379433

Ion Ratio Lower Upper

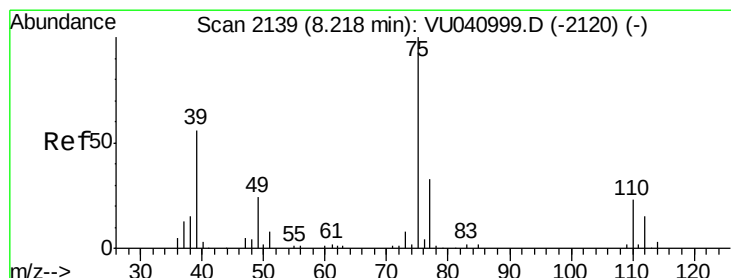
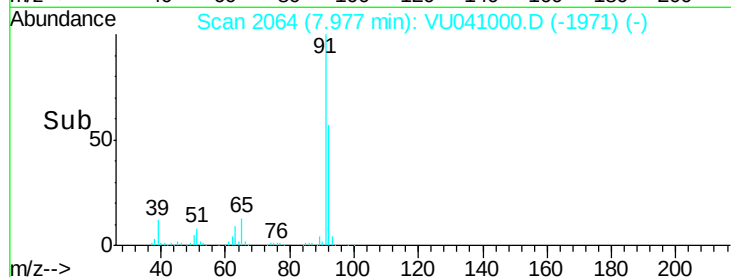
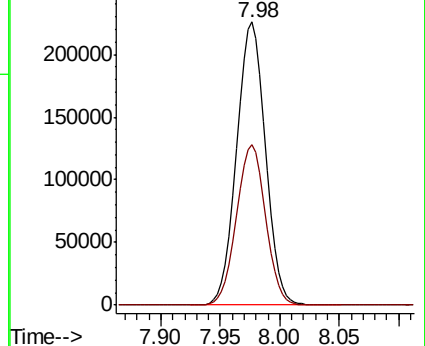
91 100

92 56.6 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 9.350 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041000.D

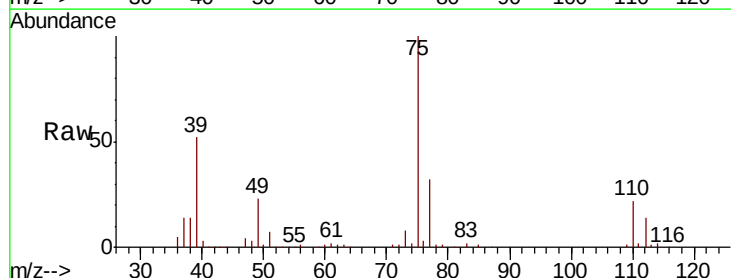
Acq: 28 Oct 2020 18:07

Tgt Ion: 75 Resp: 129965

Ion Ratio Lower Upper

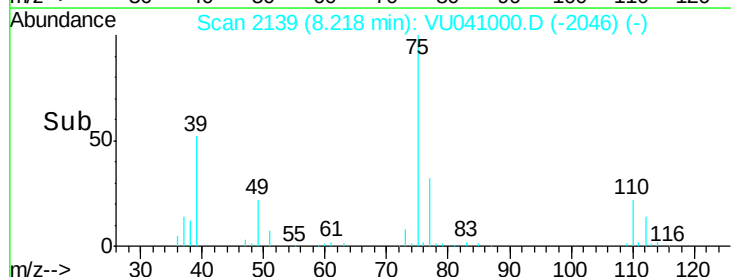
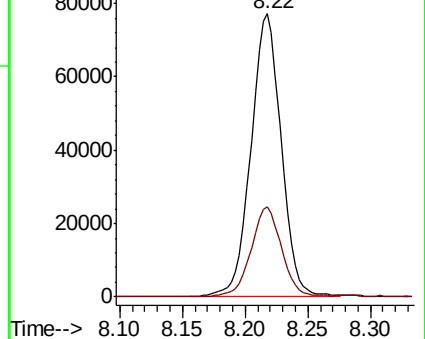
75 100

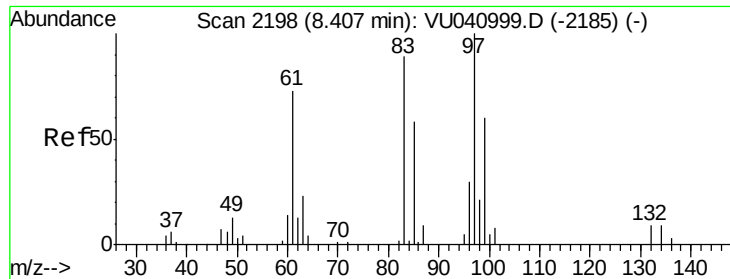
77 31.7 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

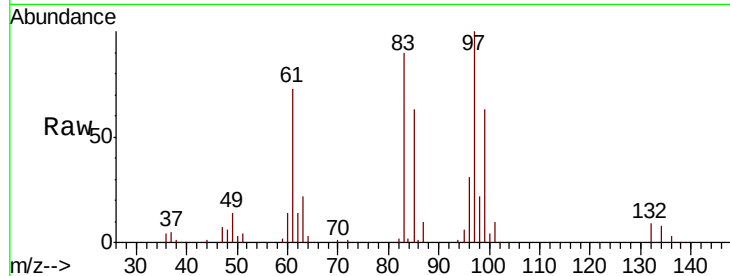




#45
 1,1,2-Trichloroethane
 Concen: 9.220 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

Tot Ion:	97	Resp:	70285
Ion	Ratio	Lower	Upper
97	100		
99	63.2	41.8	77.6
83	90.4	62.2	115.6
85	63.0	40.3	74.8



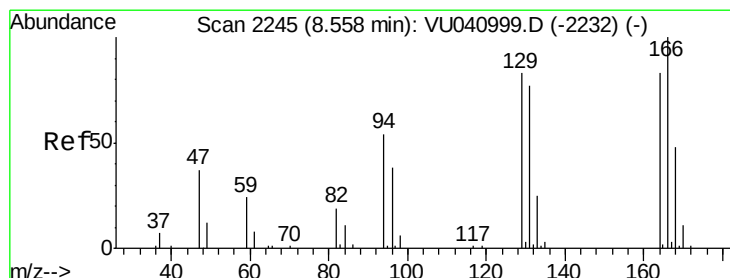
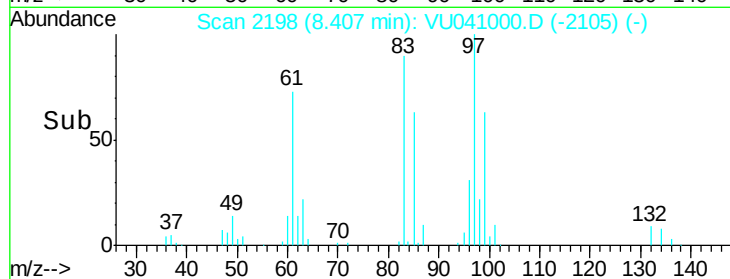
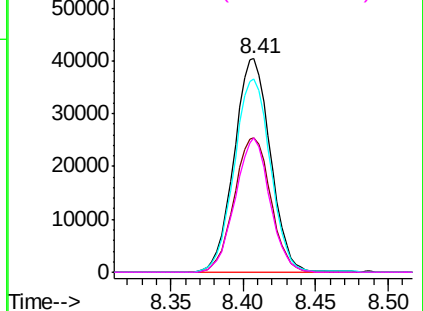
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

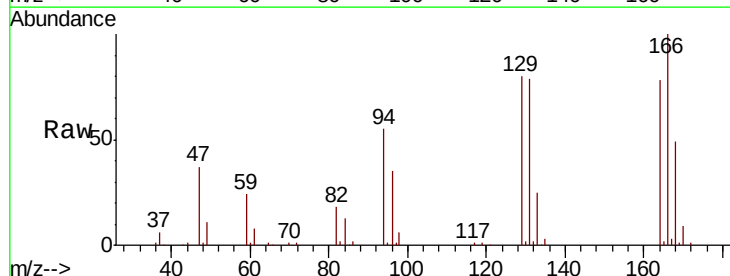
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 8.657 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion:	164	Resp:	64875
Ion	Ratio	Lower	Upper
164	100		
129	102.7	69.9	129.7
131	101.0	65.0	120.6
166	128.1	84.1	156.1



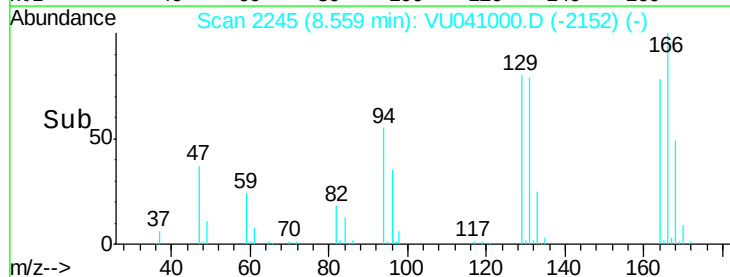
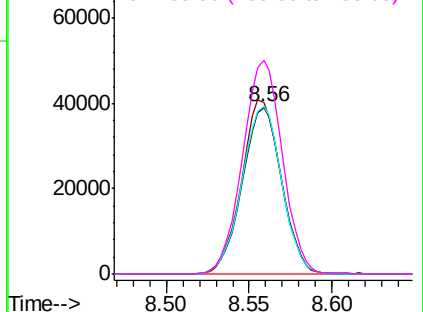
Abundance

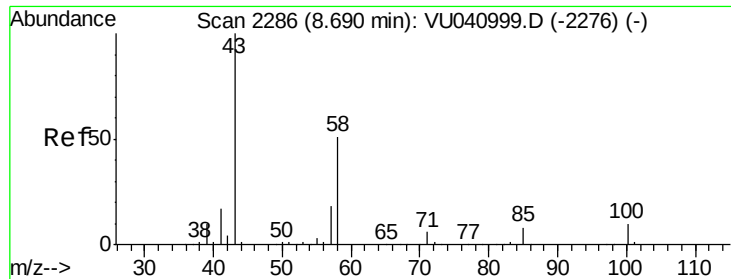
Ion 163.90 (163.60 to 164.60): V

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

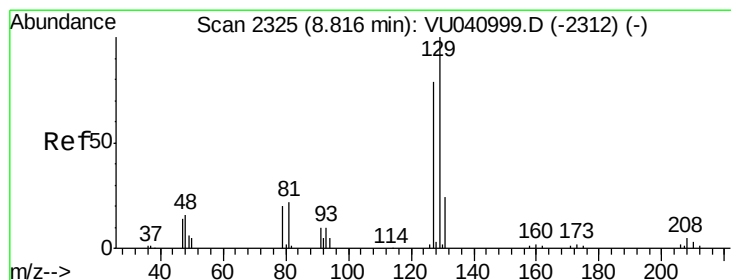
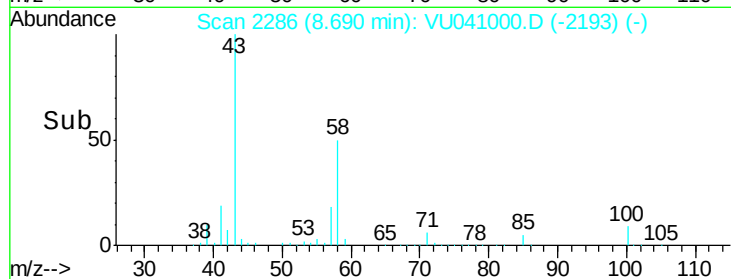
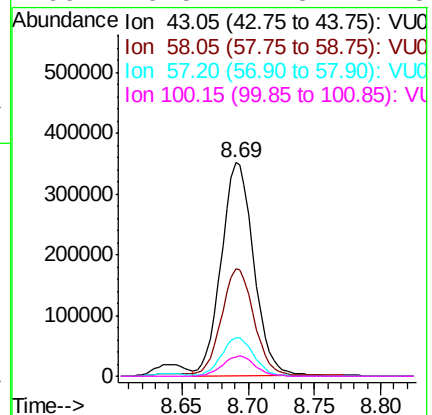
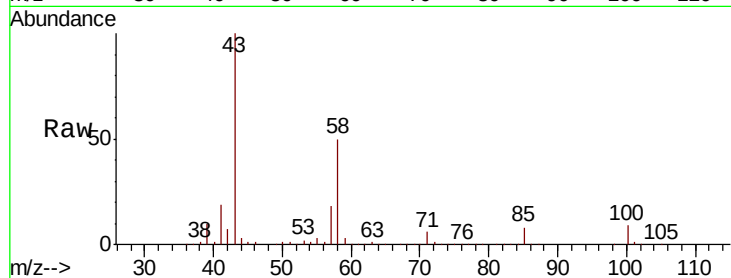




#48
2-Hexanone
Concen: 97.153 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

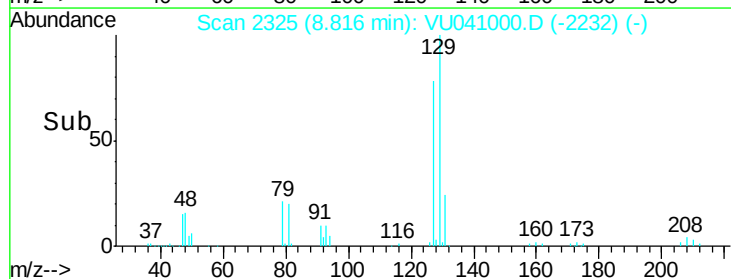
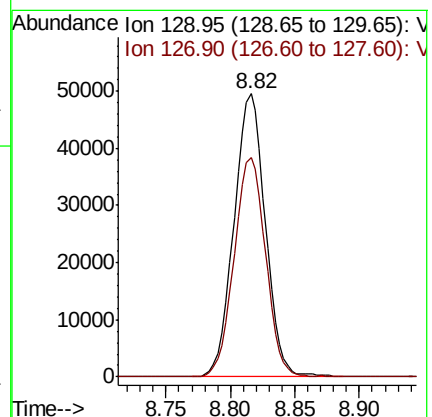
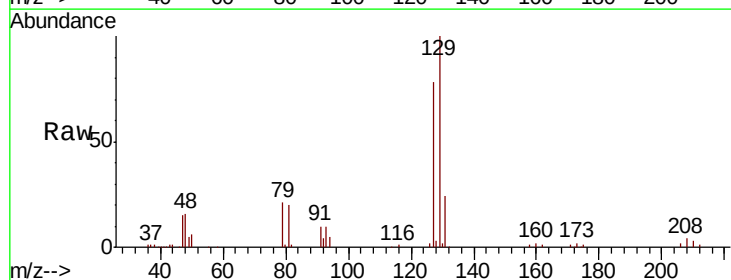
Instrument :
MSVOA_U
ClientSampleId :
VSTD010105

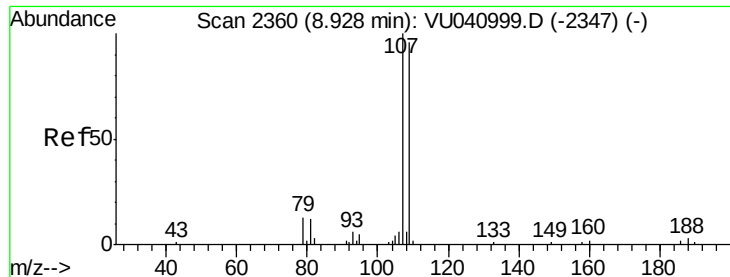
Tot Ion:	43	Resp:	598857
Ion	Ratio	Lower	Upper
43	100		
58	50.9	39.9	59.9
57	18.1	14.1	21.1
100	9.5	7.5	11.3



#49
Dibromochloromethane
Concen: 9.550 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Tgt Ion:	129	Resp:	83642
Ion	Ratio	Lower	Upper
129	100		
127	77.7	55.3	102.7

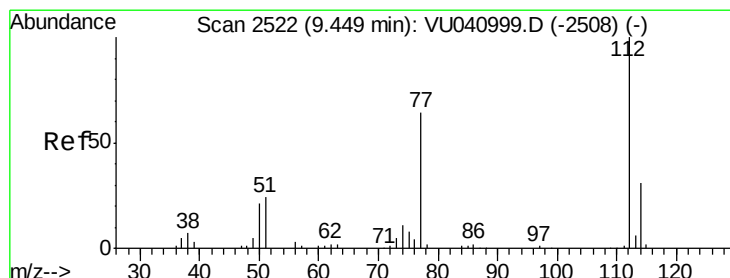
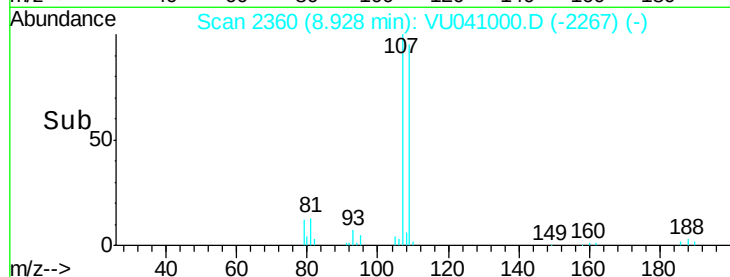
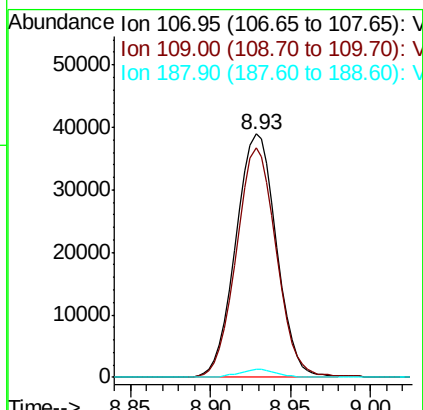
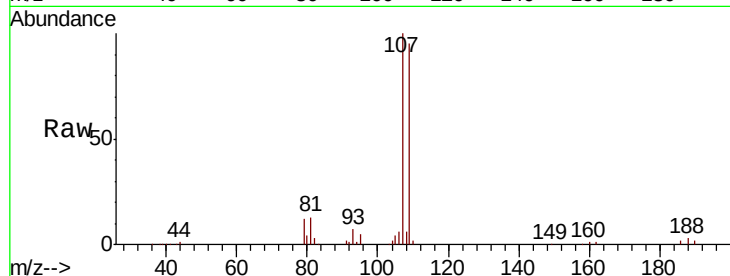




#50
 1,2-Dibromoethane
 Concen: 9.168 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

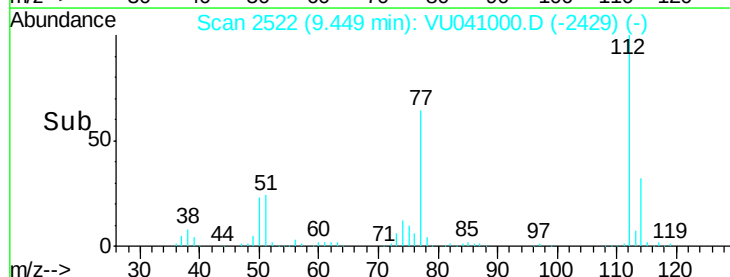
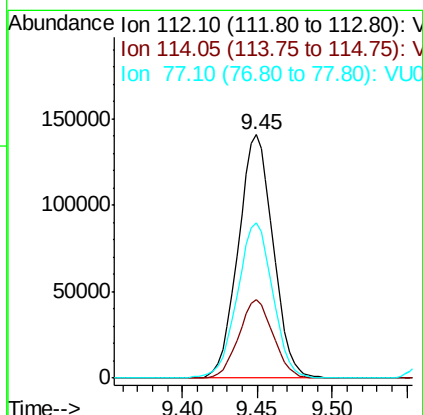
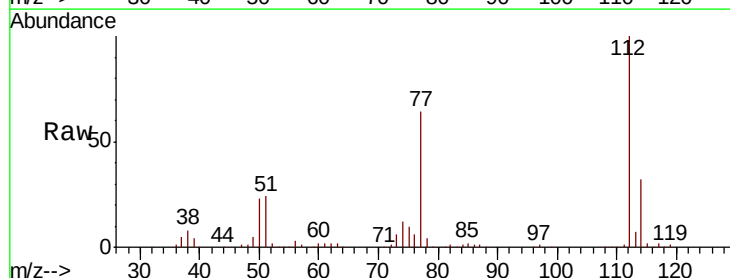
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

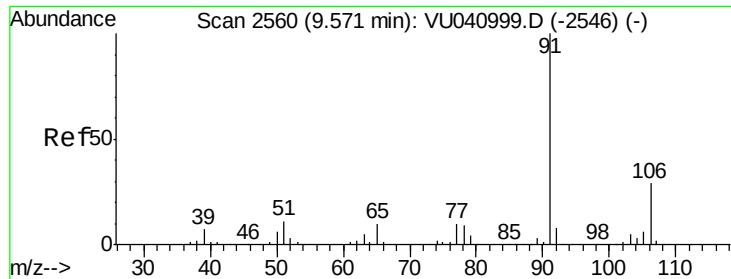
Tot Ion:107 Resp: 67370
 Ion Ratio Lower Upper
 107 100
 109 94.5 67.1 124.5
 188 3.2 2.3 3.5



#51
 Chlorobenzene
 Concen: 8.796 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion:112 Resp: 228382
 Ion Ratio Lower Upper
 112 100
 114 32.1 21.9 40.7
 77 63.6 51.4 77.2





#52

Ethylbenzene

Concen: 9.210 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

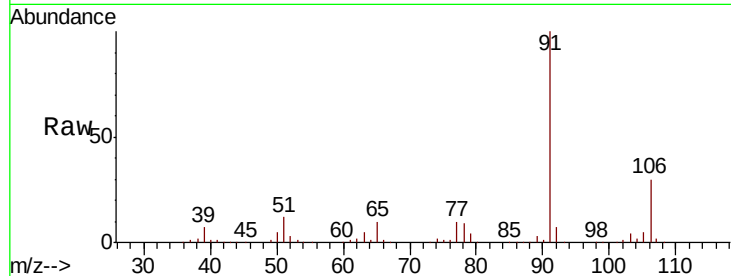
VSTD010105

Tot Ion: 91 Resp: 405993

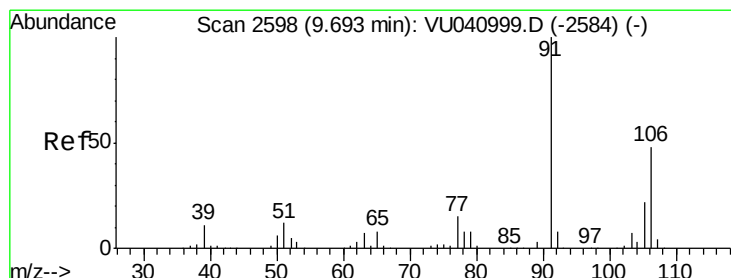
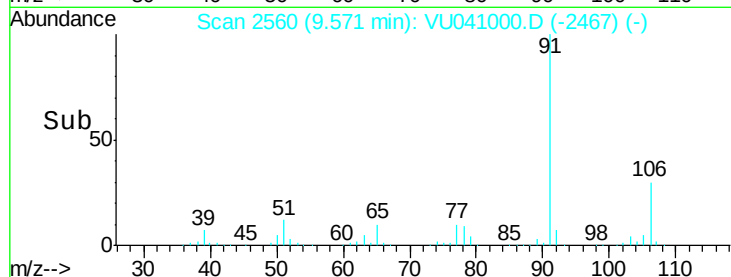
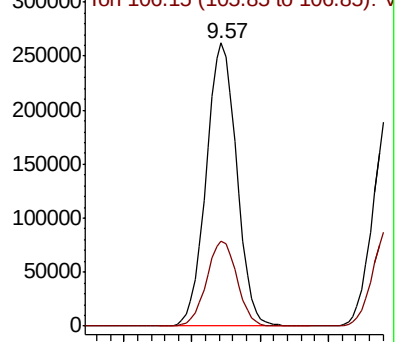
Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU041000.D (-2467) (-)



#53

m,p-Xylene

Concen: 9.495 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041000.D

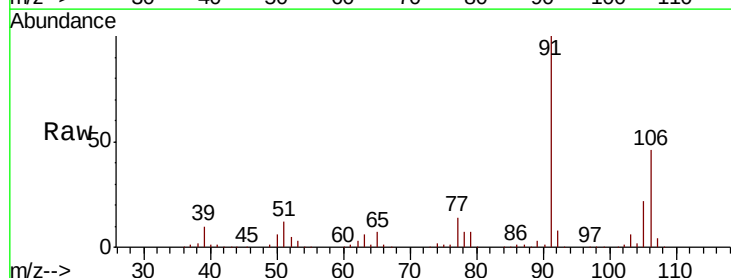
Acq: 28 Oct 2020 18:07

Tgt Ion: 106 Resp: 150823

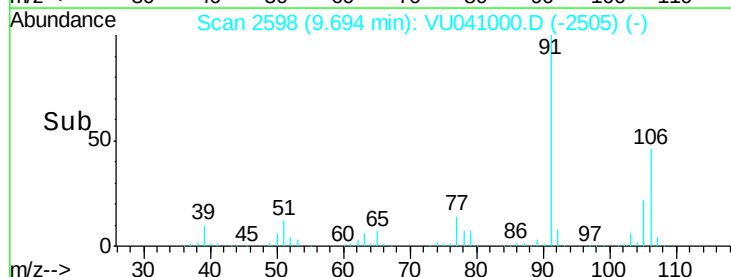
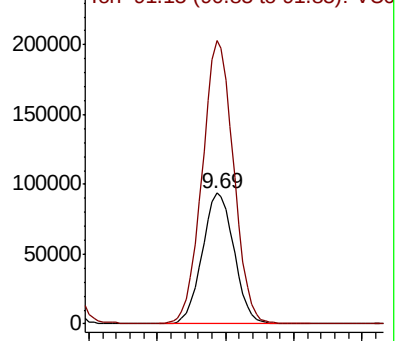
Ion Ratio Lower Upper

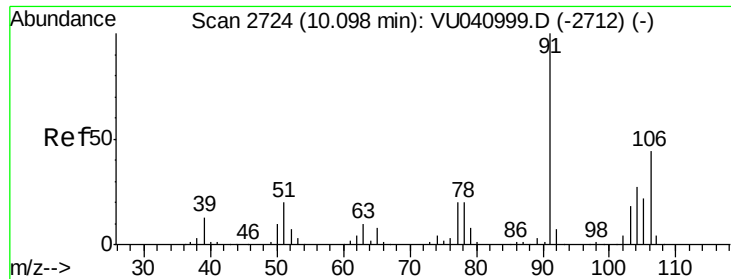
106 100

91 217.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU041000.D (-2505) (-)

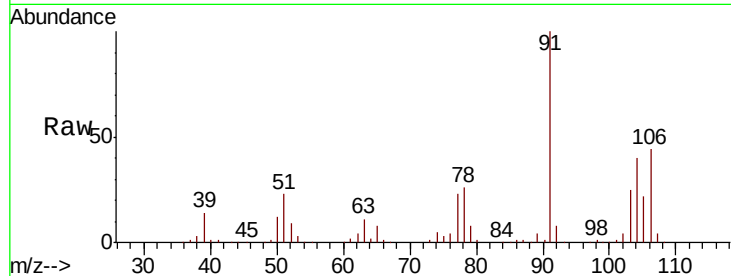




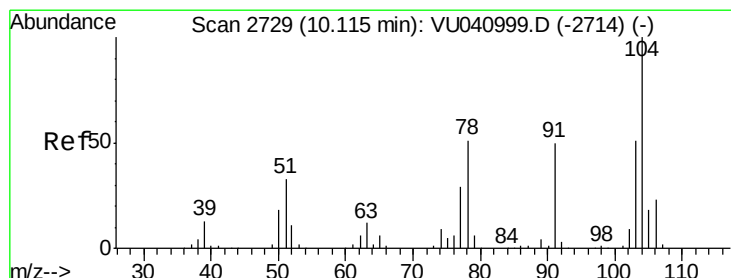
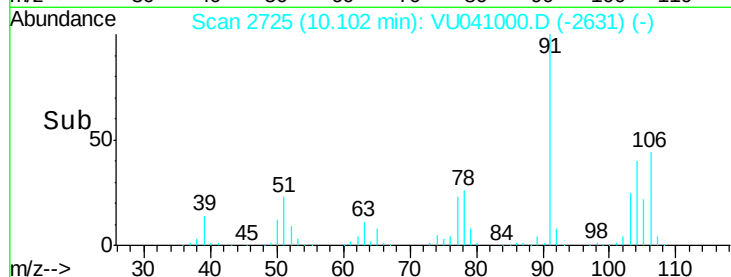
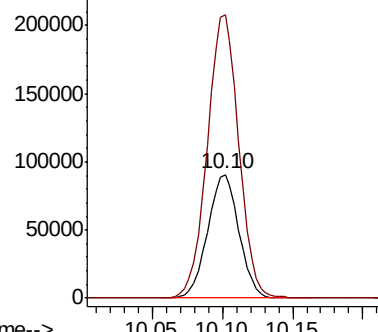
#54
o-Xylene
Concen: 9.245 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD010105

Tot Ion:106 Resp: 141355
Ion Ratio Lower Upper
106 100
91 228.9 158.3 294.1

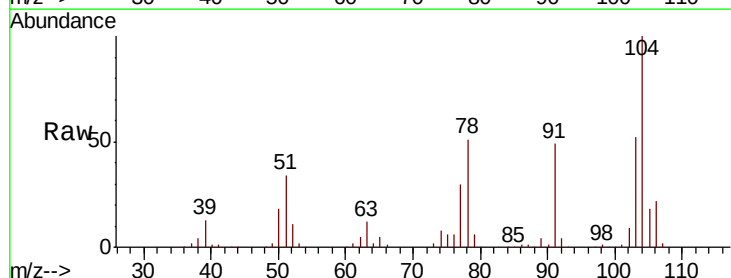


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

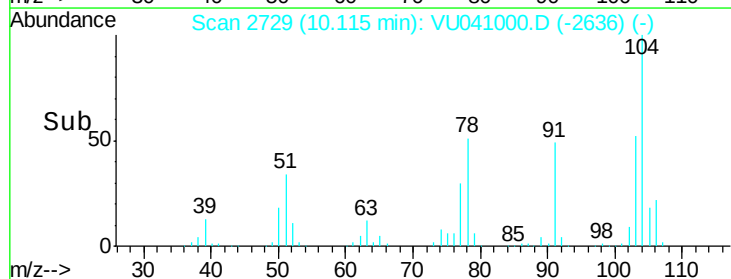
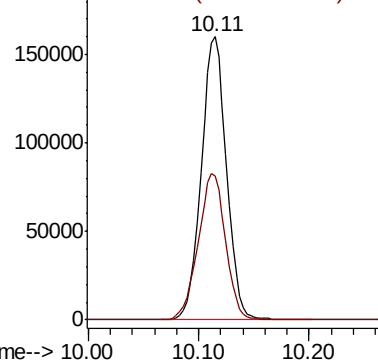


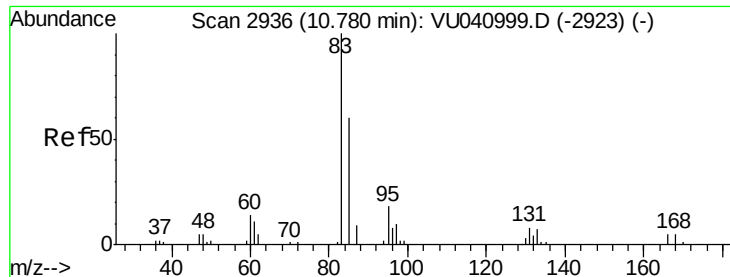
#55
Styrene
Concen: 9.580 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041000.D
Acq: 28 Oct 2020 18:07

Tgt Ion:104 Resp: 253003
Ion Ratio Lower Upper
104 100
78 50.7 35.6 66.2



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

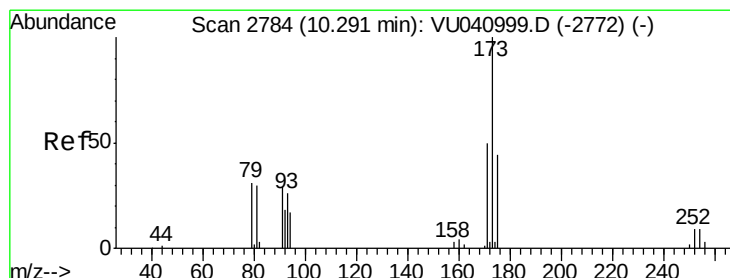
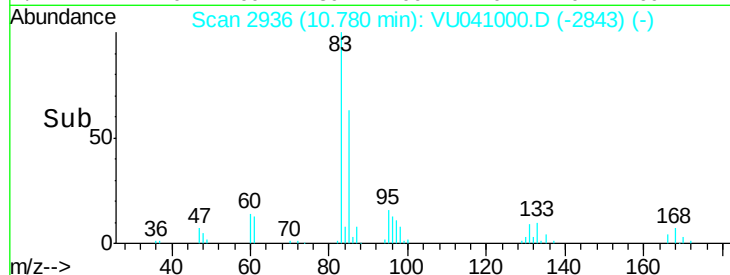
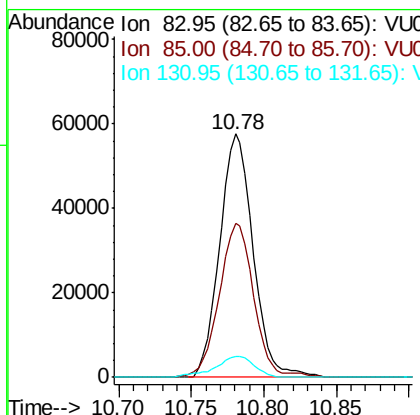
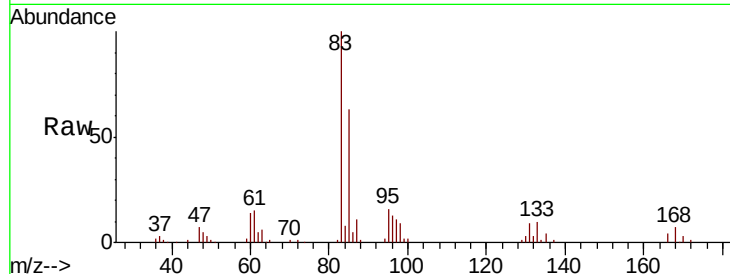




#57
 1,1,2,2-Tetrachloroethane
 Concen: 9.153 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

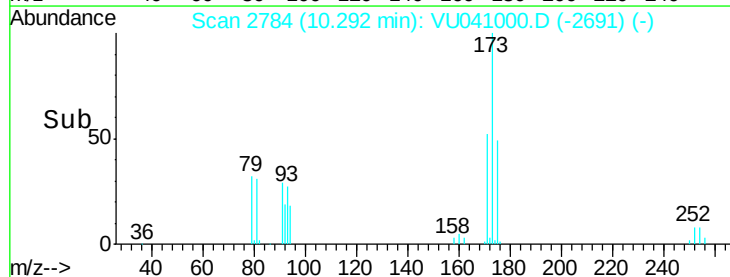
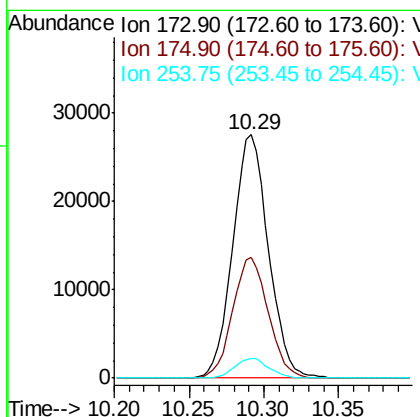
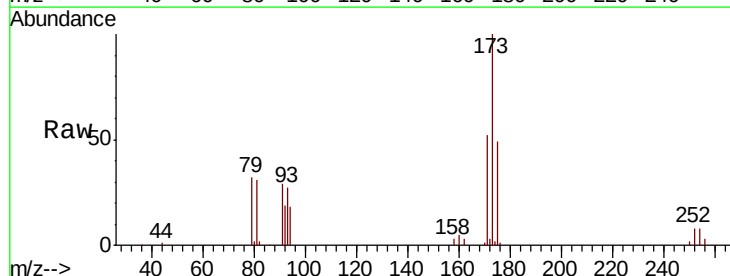
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

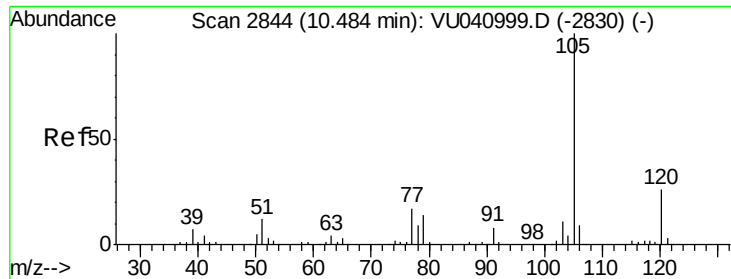
Tot Ion	83	Resp	91896
Ion Ratio	Lower	Upper	
83	100		
85	63.1	42.1	78.3
131	8.6	6.7	10.1



#59
 Bromoform
 Concen: 9.437 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion	173	Resp	45699
Ion Ratio	Lower	Upper	
173	100		
175	49.4	36.7	55.1
254	7.7	6.5	9.7





#60

Isopropylbenzene

Concen: 9.444 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

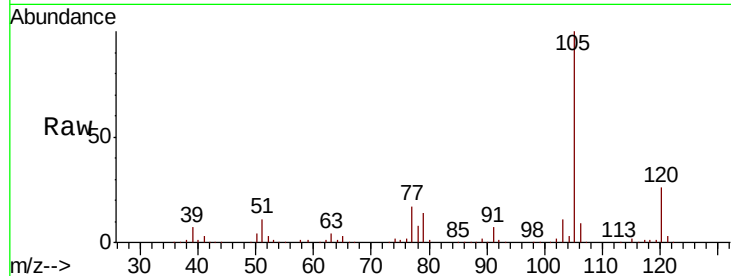
Tot Ion:105 Resp: 385801

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.4

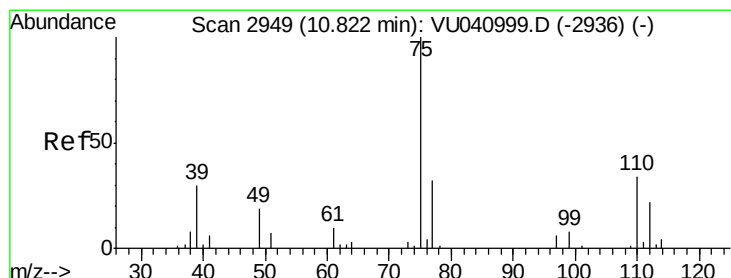
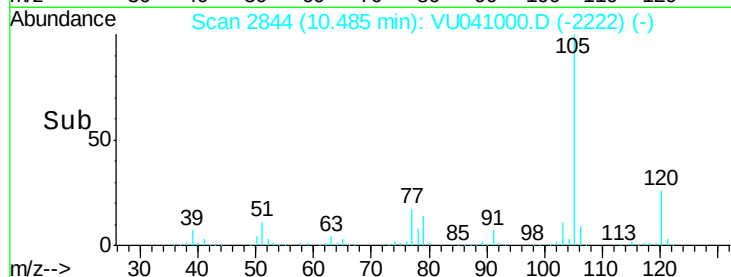
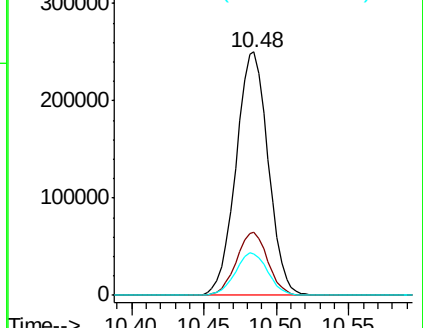
77 17.5 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 9.181 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

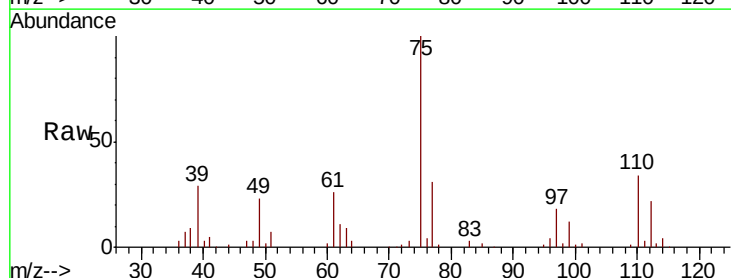
Tgt Ion: 75 Resp: 70966

Ion Ratio Lower Upper

75 100

110 34.1 27.5 41.3

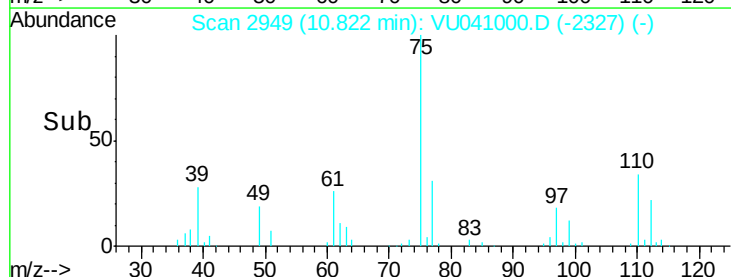
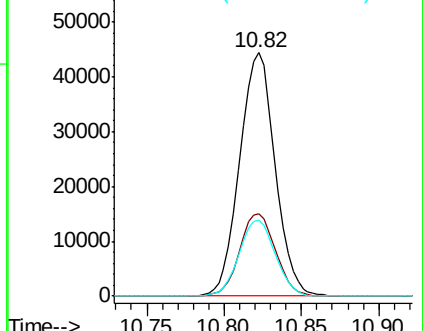
77 31.8 24.9 37.3

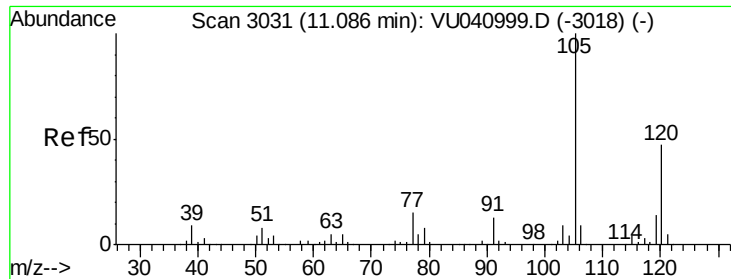


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

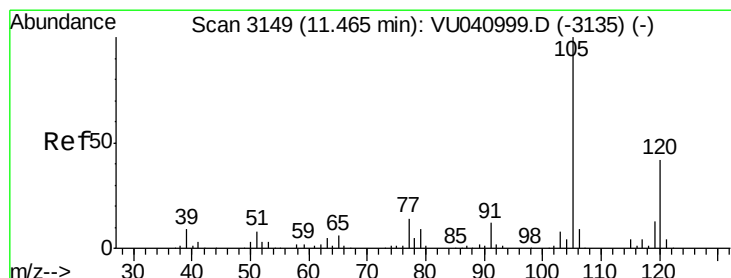
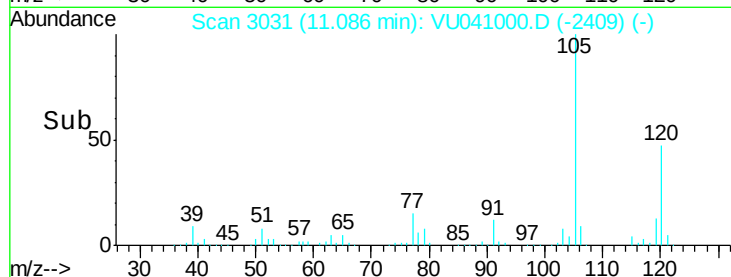
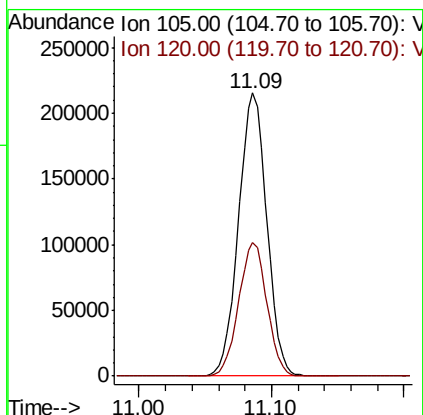
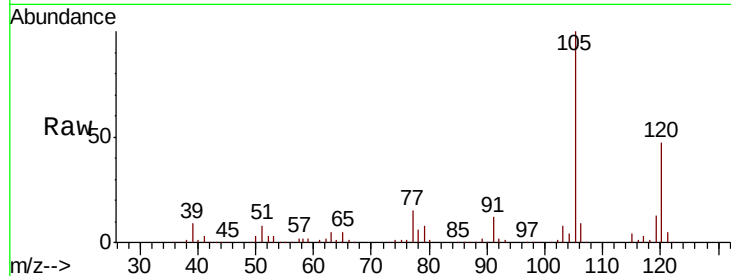




#62
 1,3,5-Trimethylbenzene
 Concen: 9.733 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

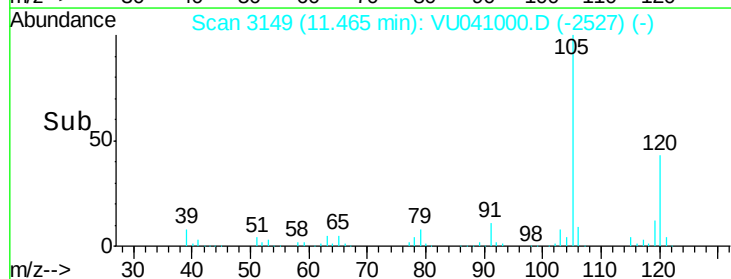
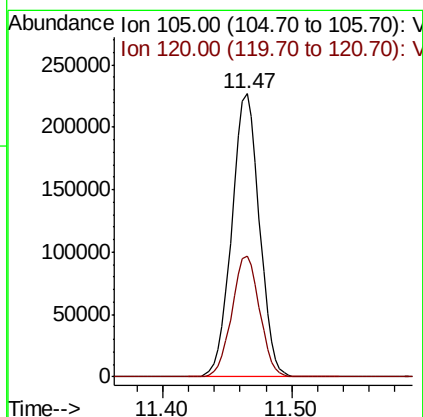
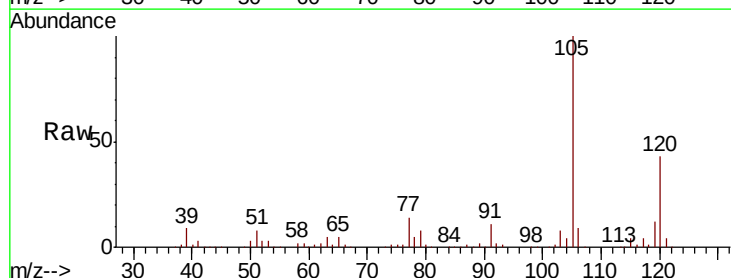
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

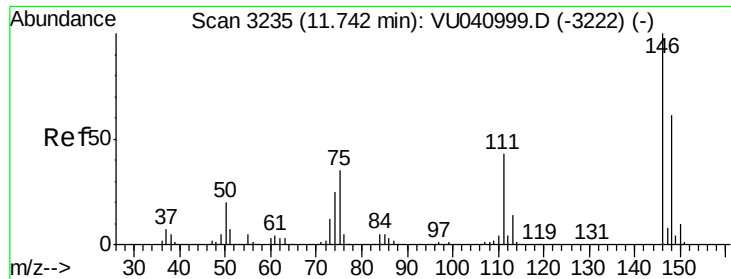
Tot Ion:105 Resp: 318677
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 10.145 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion:105 Resp: 337545
 Ion Ratio Lower Upper
 105 100
 120 42.8 34.6 52.0

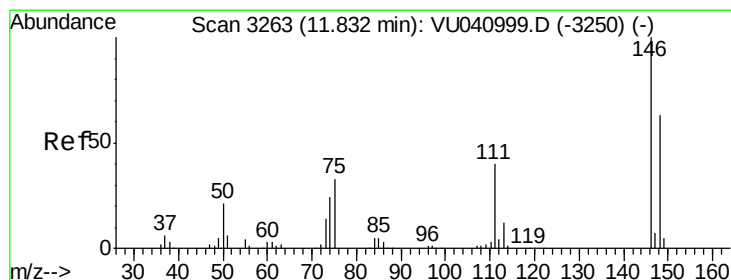
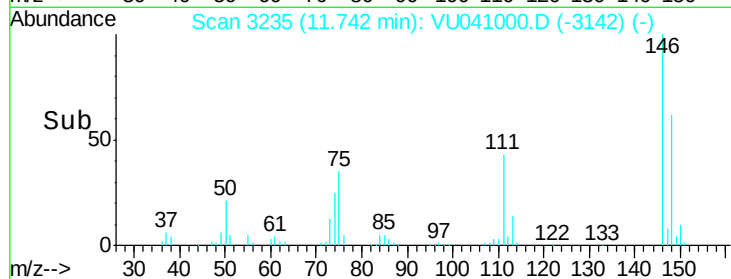
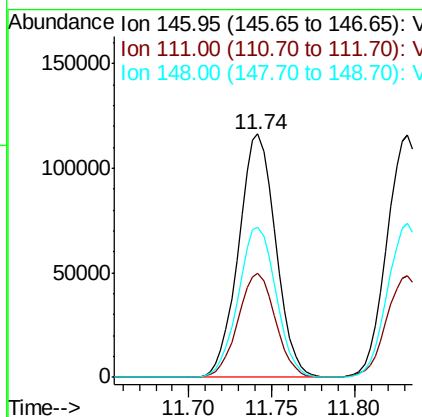
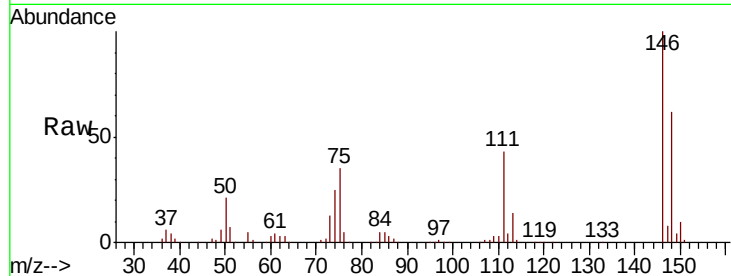




#64
 1,3-Dichlorobenzene
 Concen: 8.900 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

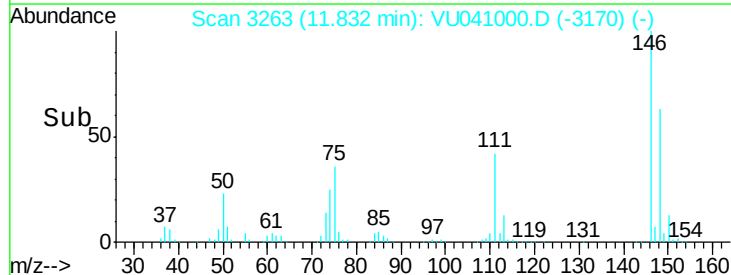
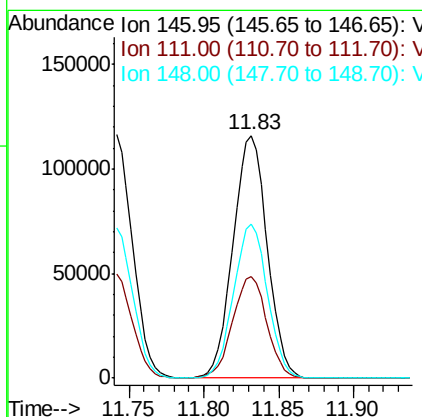
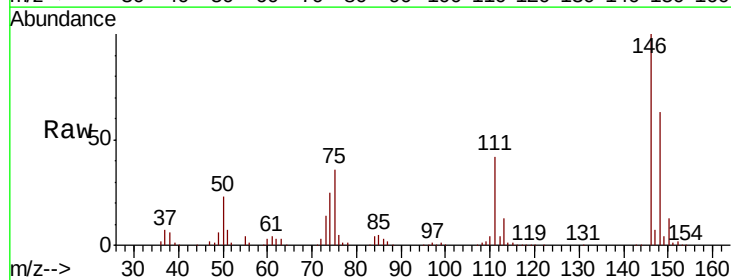
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

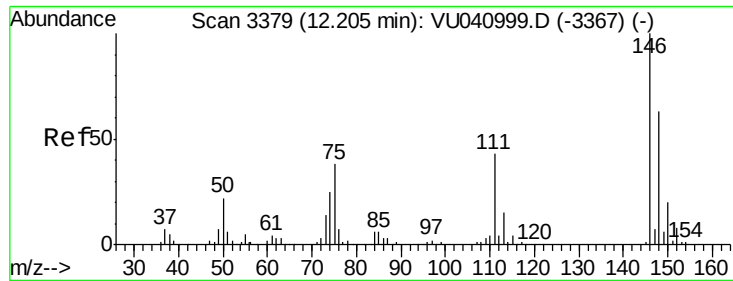
Tot Ion:146 Resp: 181085
 Ion Ratio Lower Upper
 146 100
 111 42.6 30.2 56.0
 148 61.9 42.9 79.7



#65
 1,4-Dichlorobenzene
 Concen: 8.788 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion:146 Resp: 184592
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.3 52.7
 148 63.5 44.1 81.9

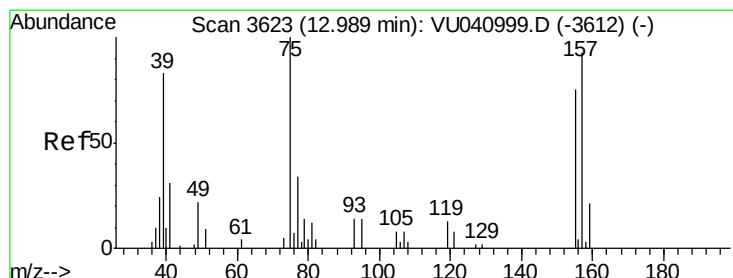
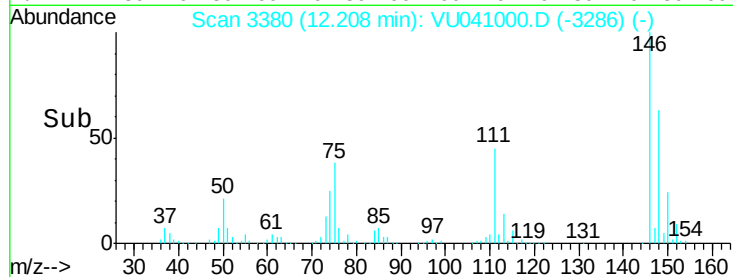
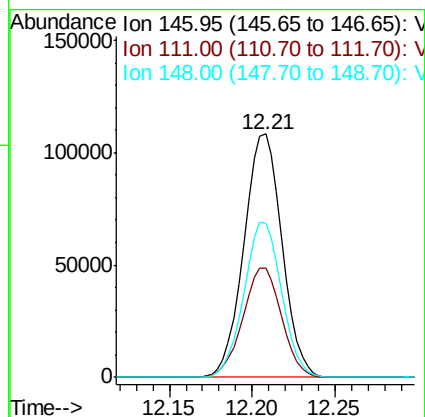
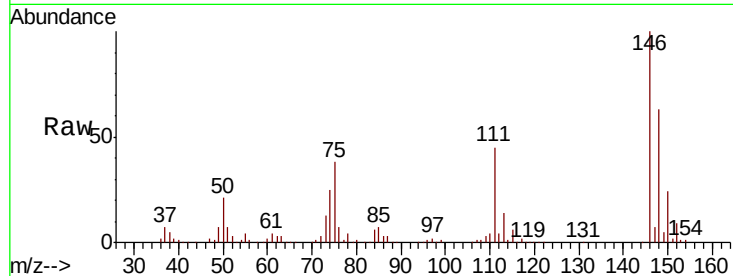




#67
 1,2-Dichlorobenzene
 Concen: 9.079 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

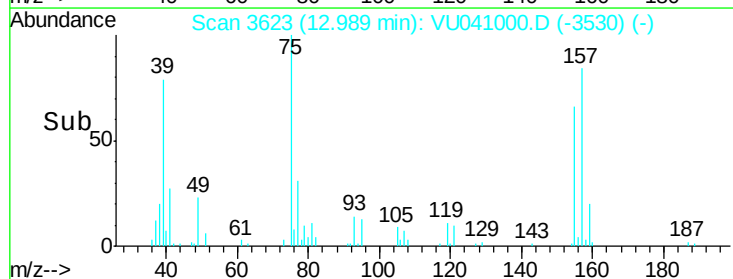
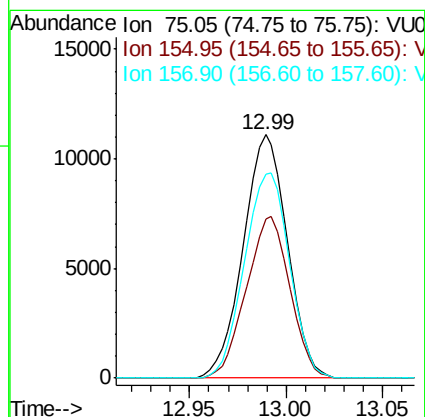
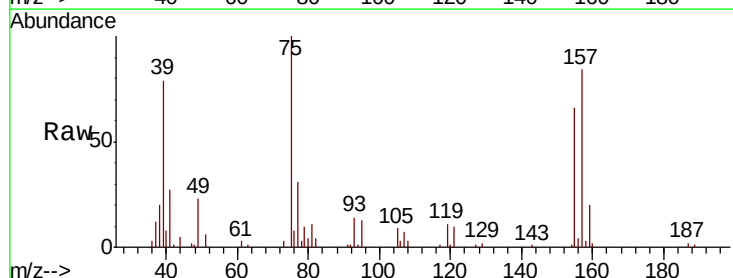
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010105

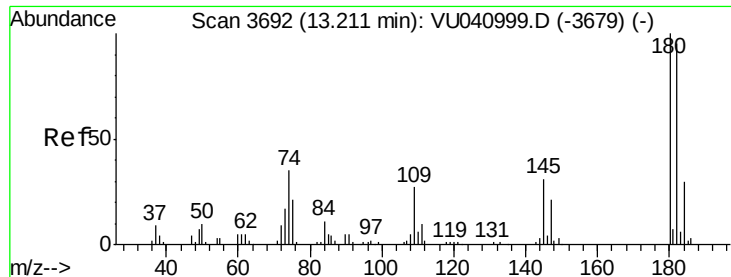
Tot Ion:146 Resp: 173837
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.7 52.1
 148 63.3 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.706 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041000.D
 Acq: 28 Oct 2020 18:07

Tgt Ion: 75 Resp: 17663
 Ion Ratio Lower Upper
 75 100
 155 65.6 60.2 90.2
 157 83.7 74.4 111.6





#69

1,3,5-Trichlorobenzene

Concen: 8.785 ug/L

RT: 13.21 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

Tot Ion:180 Resp: 125183

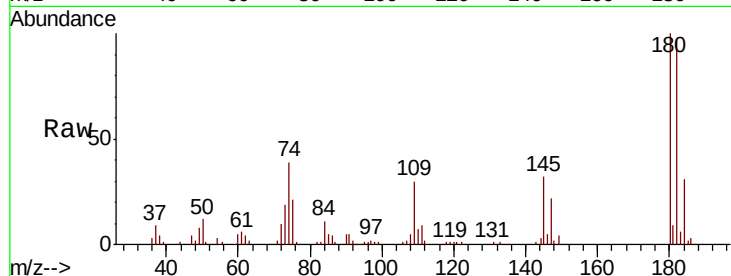
Ion Ratio Lower Upper

180 100

182 96.3 76.9 115.3

184 30.4 23.8 35.8

145 32.1 25.2 37.8

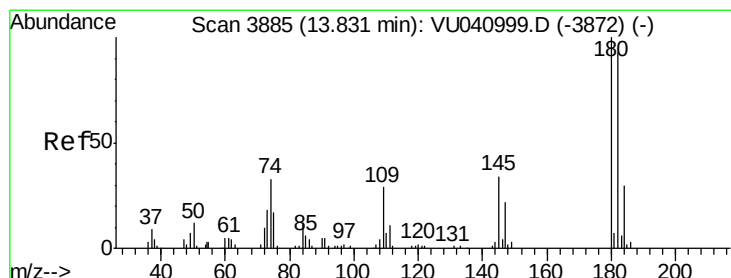
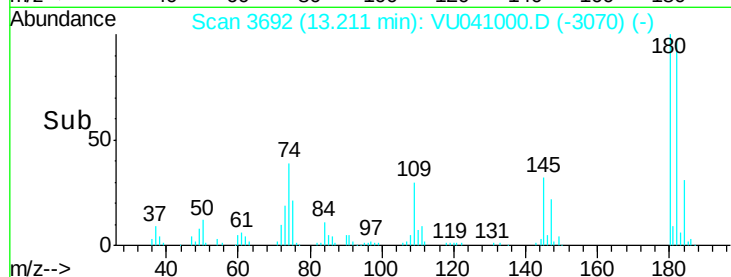
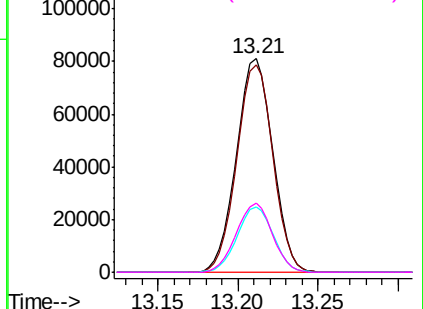


Abundance Ion 180.00 (179.70 to 180.70): V

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



#70

1,2,4-trichlorobenzene

Concen: 9.450 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

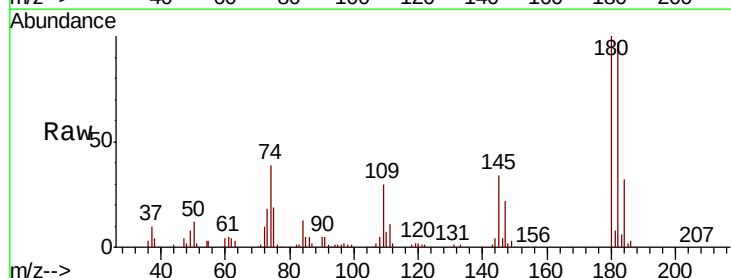
Tgt Ion:180 Resp: 108757

Ion Ratio Lower Upper

180 100

182 96.6 74.5 111.7

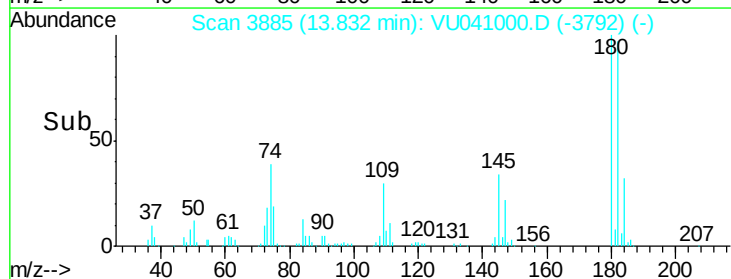
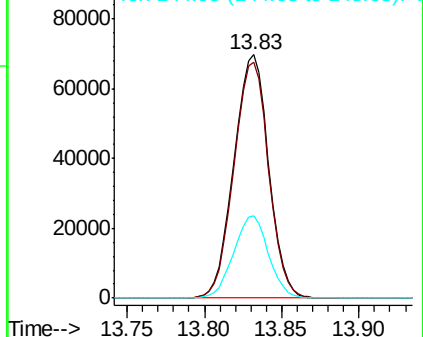
145 33.9 26.6 39.8

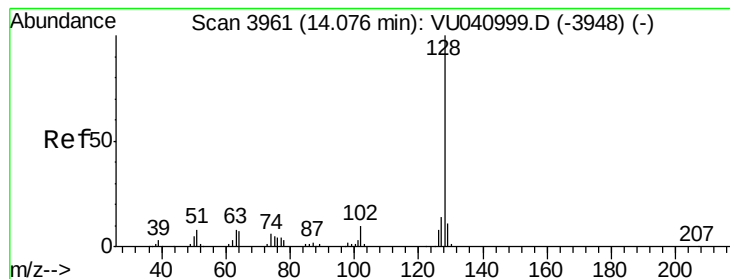


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#71

Naphthalene

Concen: 11.028 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD010105

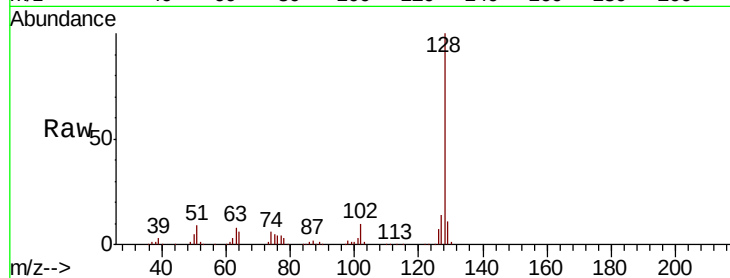
Tot Ion:128 Resp: 218367

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

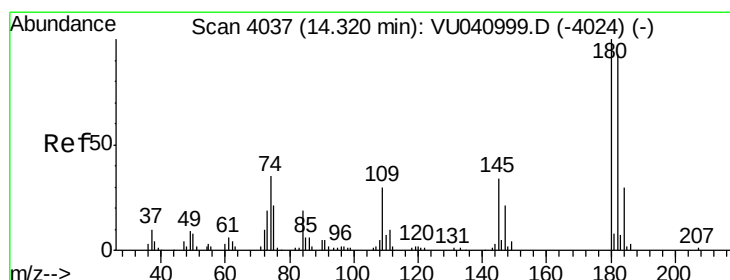
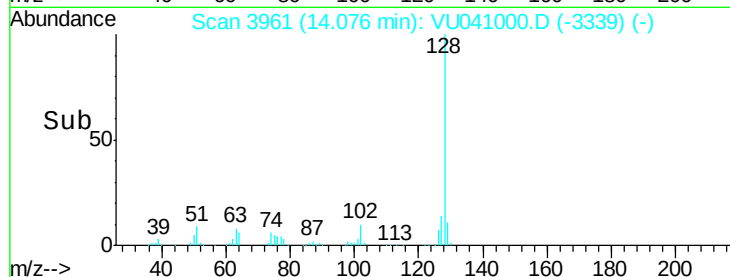
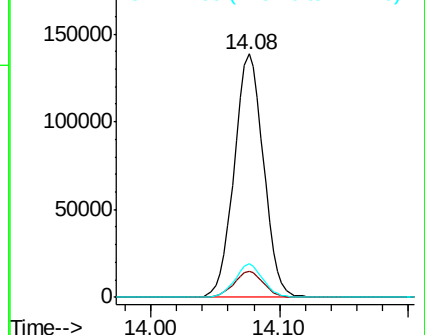
127 13.2 11.2 16.8



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



#72

1,2,3-Trichlorobenzene

Concen: 10.314 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041000.D

Acq: 28 Oct 2020 18:07

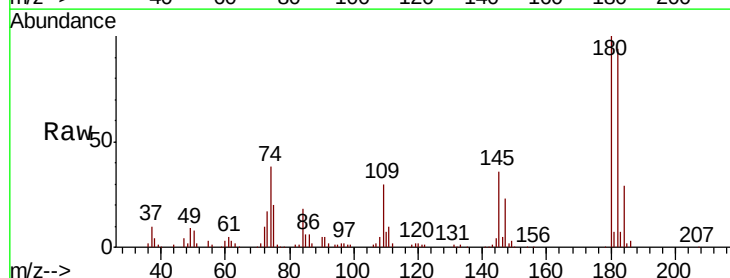
Tgt Ion:180 Resp: 107109

Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

145 36.0 27.4 41.0



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

