

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\
 Data File : VU039739.D
 Acq On : 03 Aug 2020 14:50
 Operator : SY/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Quant Time: Aug 03 17:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 03 17:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	88988	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	85364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47263	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	106570	24.72	ug/L	0.00
7) Chloroethane-d5	1.92	69	124459	27.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	210770	22.49	ug/L	0.00
20) 2-Butanone-d5	4.65	46	450226	235.02	ug/L	0.00
24) Chloroform-d	5.08	84	248621	23.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	145458	20.83	ug/L	0.00
32) Benzene-d6	5.74	84	440764	21.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	145884	21.34	ug/L	0.00
41) Toluene-d8	7.91	98	382823	19.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	62073	21.23	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	346781	239.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	141486	22.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	168201	19.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	137197	28.808 ug/L	99
3) Chloromethane	1.53	50	138804	26.878 ug/L	98
5) Vinyl chloride	1.61	62	143129	26.599 ug/L	96
6) Bromomethane	1.86	94	93654	27.033 ug/L	98
8) Chloroethane	1.94	64	112619	26.055 ug/L	99
9) Trichlorofluoromethane	2.14	101	222805	20.900 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	122513	25.693 ug/L	95
12) 1,1-Dichloroethene	2.59	96	109010	25.145 ug/L	91
13) Acetone	2.65	43	226149	215.609 ug/L	99
14) Carbon disulfide	2.80	76	339491	25.966 ug/L	99
15) Methyl Acetate	2.96	43	57373	22.243 ug/L	96
16) Methylene chloride	3.06	84	127662	20.396 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	295321	22.195 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	115539	24.067 ug/L	97
19) 1,1-Dichloroethane	3.89	63	212144	22.104 ug/L	97
21) 2-Butanone	4.73	43	391766	216.160 ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	128789	23.197 ug/L	97
23) Bromochloromethane	4.99	128	61310	23.386 ug/L	95
25) Chloroform	5.11	83	222569	20.331 ug/L	94
27) 1,2-Dichloroethane	5.81	62	156933	21.144 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	199209	21.967 ug/L	97
30) Cyclohexane	5.40	56	196091	24.206 ug/L	100
31) Carbon tetrachloride	5.54	117	178884	22.828 ug/L	99
33) Benzene	5.79	78	472934	22.641 ug/L	100
34) Trichloroethene	6.56	95	121542	21.237 ug/L	97
35) Methylcyclohexane	6.77	83	206308	24.182 ug/L	97
37) 1,2-Dichloropropane	6.80	63	125645	21.944 ug/L	99
38) Bromodichloromethane	7.11	83	165760	22.018 ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	188634	23.070 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	977057	218.032 ug/L	100

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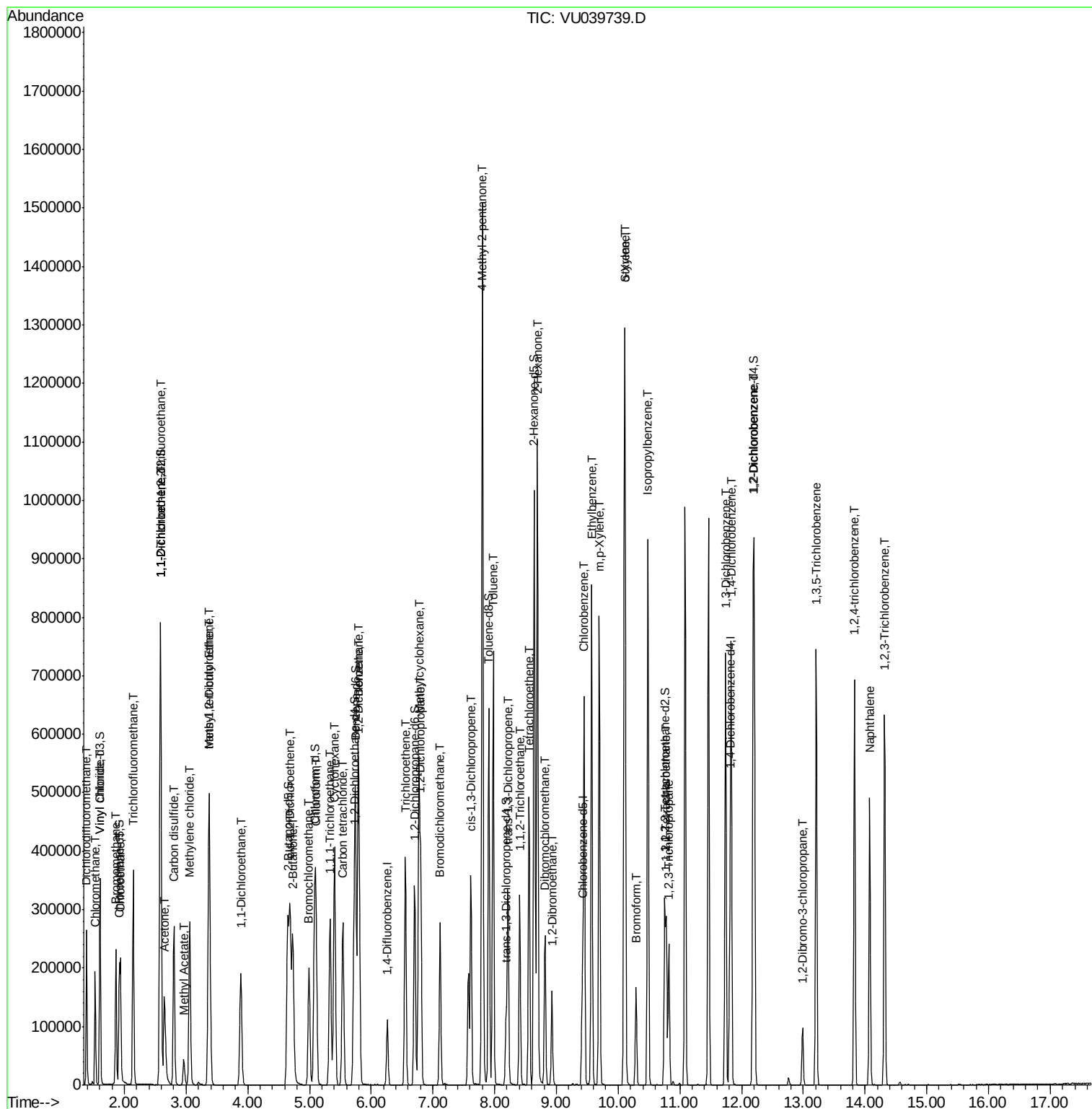
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	496066	21.967	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	169855	22.599	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	93131	20.970	ug/L	93
47) Tetrachloroethene	8.56	164	98280	24.666	ug/L	96
48) 2-Hexanone	8.69	43	705429	212.222	ug/L	100
49) Dibromochloromethane	8.82	129	120349	22.478	ug/L	99
50) 1,2-Dibromoethane	8.93	107	93065	21.452	ug/L	96
51) Chlorobenzene	9.45	112	328952	22.414	ug/L	99
52) Ethylbenzene	9.57	91	572688	22.290	ug/L	97
53) m,p-Xylene	9.69	106	222108	22.916	ug/L	96
54) o-Xylene	10.10	106	215540	22.743	ug/L	91
55) Styrene	10.11	104	372531	23.559	ug/L	99
56) Isopropylbenzene	10.48	105	579972	22.644	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	123492	21.697	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	88933	21.093	ug/L	98
61) Bromoform	10.29	173	69916	21.195	ug/L	92
62) 1,3-Dichlorobenzene	11.74	146	276378	21.359	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	276345	20.947	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	261407	20.881	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	21909	23.708	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	211977	22.808	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	186574	23.978	ug/L	97
69) Naphthalene	14.08	128	376561	28.193	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	172822	24.645	ug/L	100

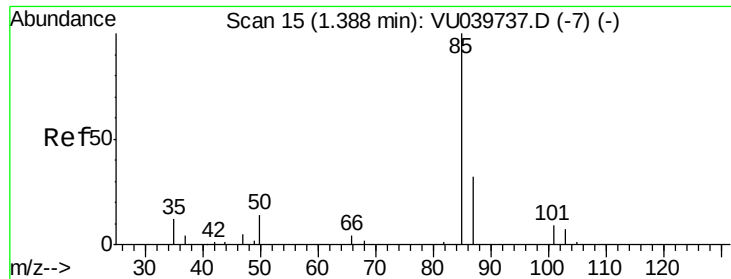
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_U\DATA\VU080320\  
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#2

Dichlorodifluoromethane

Concen: 28.808 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

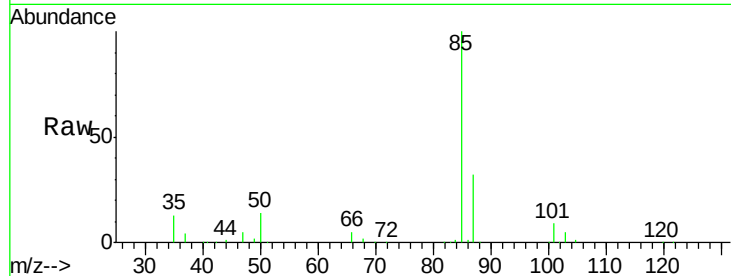
VSTD02005

Tgt Ion: 85 Resp: 137197

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

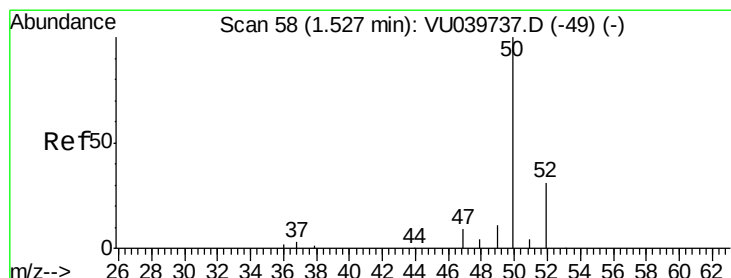
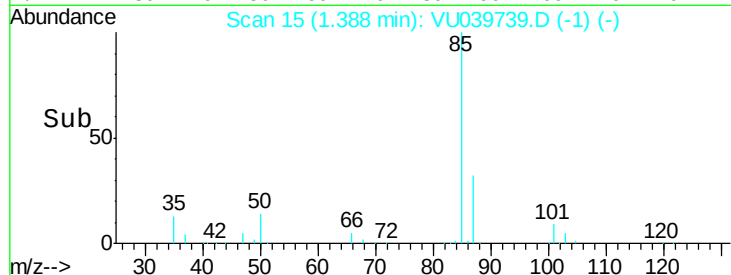
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 26.878 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039739.D

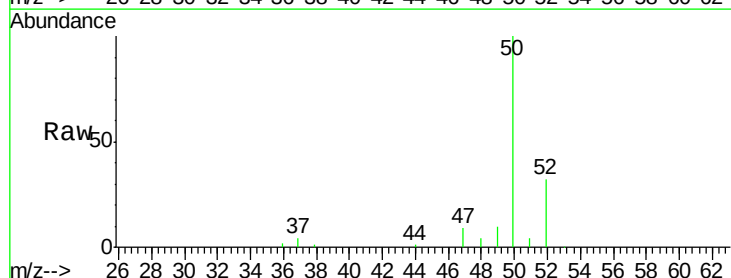
Acq: 03 Aug 2020 14:50

Tgt Ion: 50 Resp: 138804

Ion Ratio Lower Upper

50 100

52 31.8 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

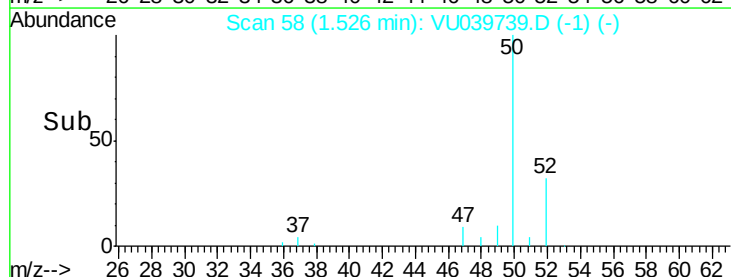
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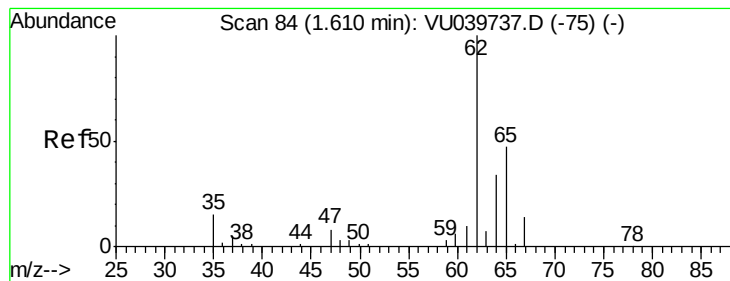
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 26.599 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

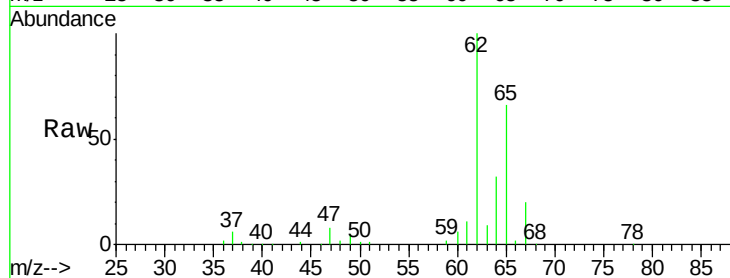
VSTD02005

Tgt Ion: 62 Resp: 143129

Ion Ratio Lower Upper

62 100

64 32.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

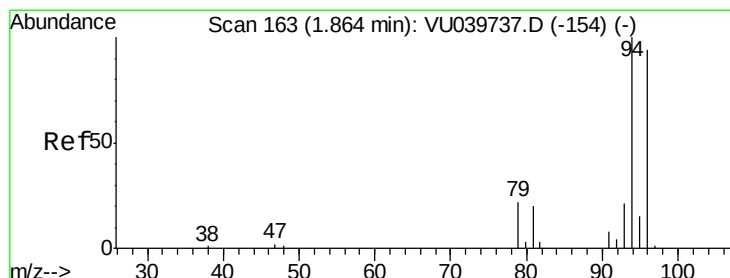
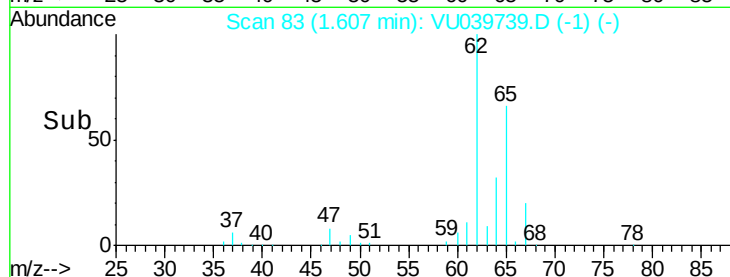
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 27.033 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039739.D

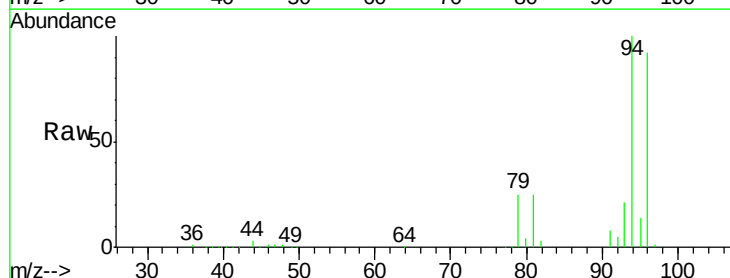
Acq: 03 Aug 2020 14:50

Tgt Ion: 94 Resp: 93654

Ion Ratio Lower Upper

94 100

96 92.2 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

80000

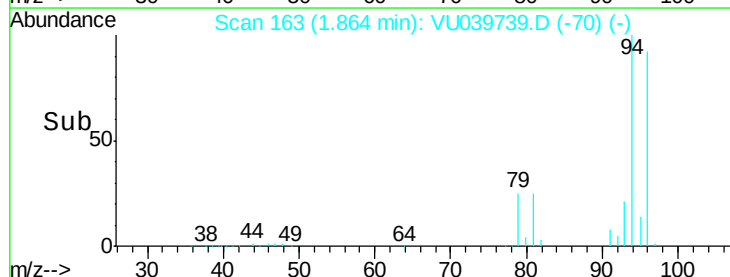
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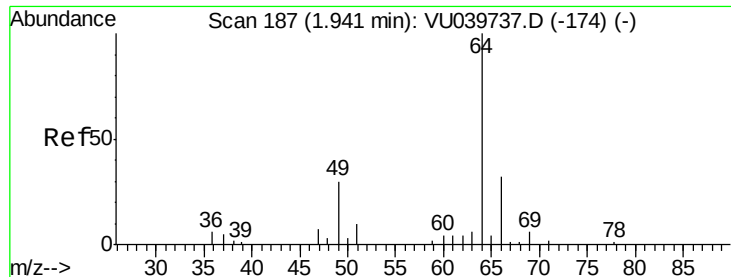
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Time-->

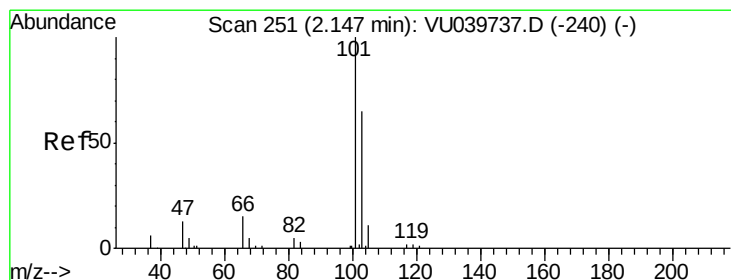
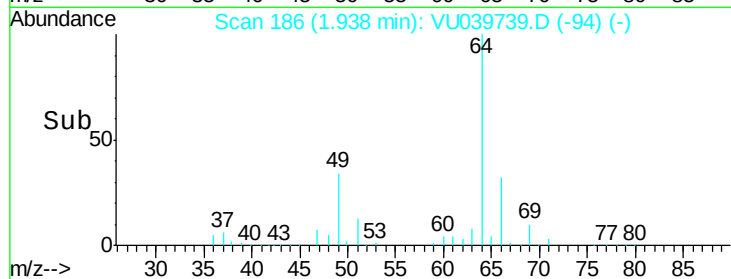
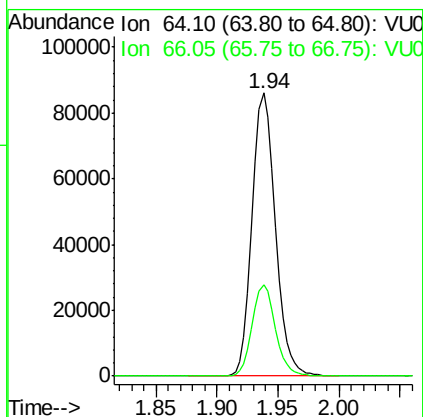
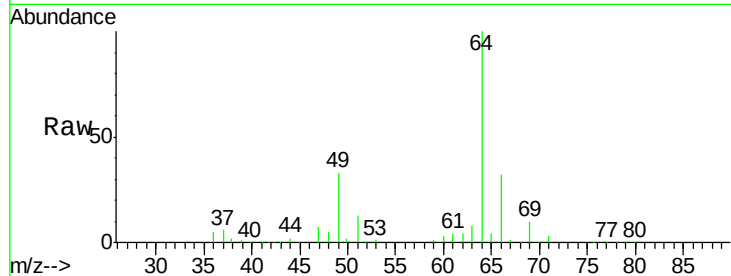




#8
Chloroethane
Concen: 26.055 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

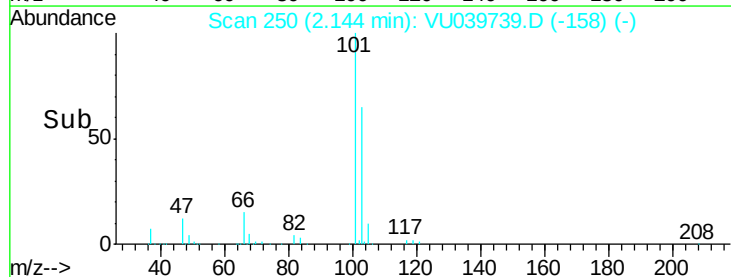
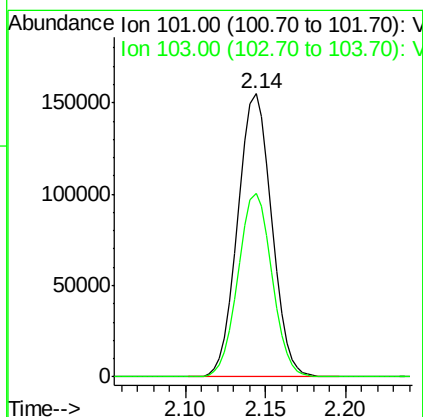
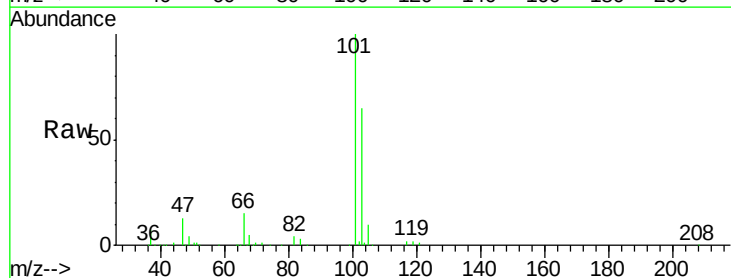
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

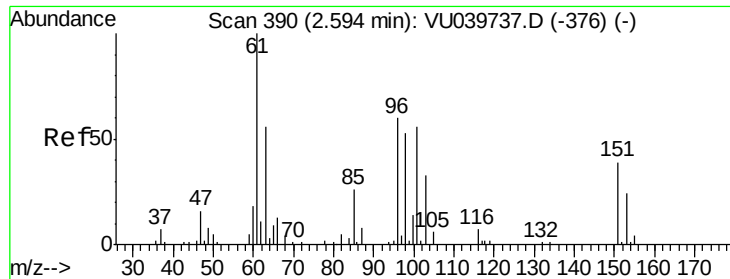
Tgt Ion: 64 Resp: 112619
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 20.900 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion: 101 Resp: 222805
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2





#10

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

Concen: 25.693 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

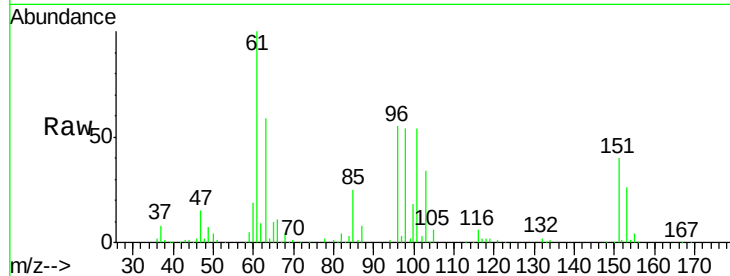
Tgt Ion:101 Resp: 122513

Ion Ratio Lower Upper

101 100

85 45.8 37.9 56.9

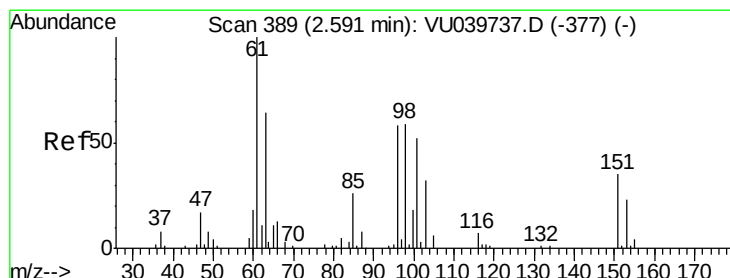
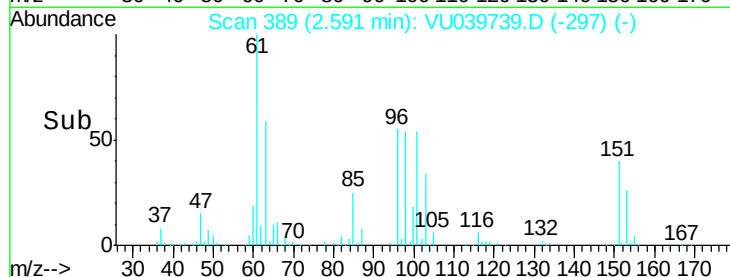
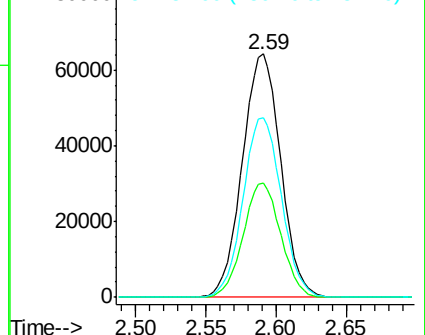
151 73.8 54.7 82.1



Abundance Ion 101.00 (100.70 to 101.70): VU039737.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU039737.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU039737.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 25.145 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

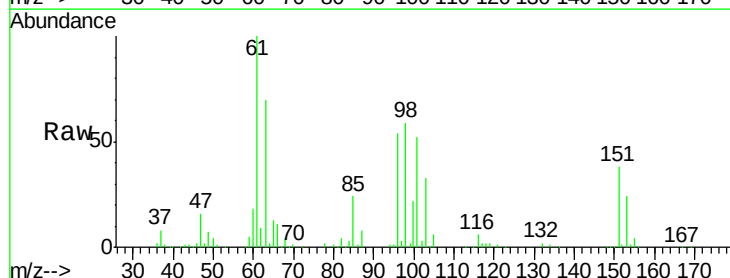
Tgt Ion: 96 Resp: 109010

Ion Ratio Lower Upper

96 100

61 184.9 121.7 225.9

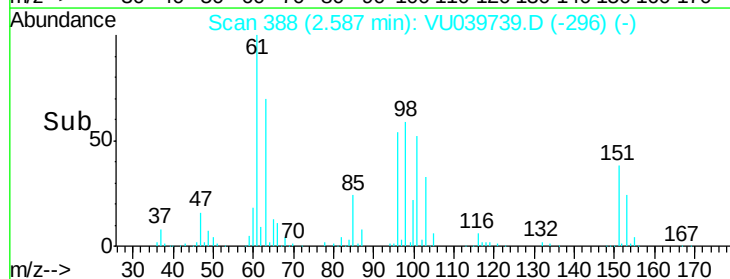
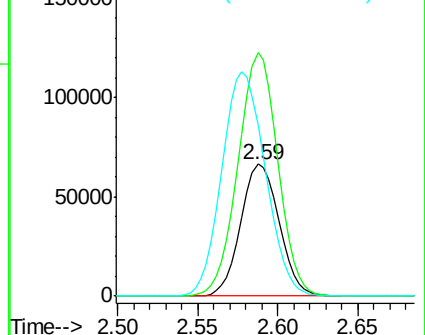
63 129.9 82.1 152.5

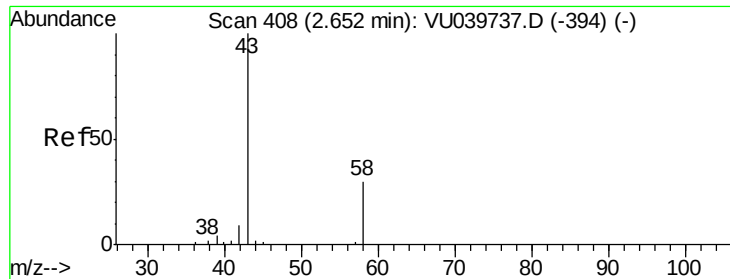


Abundance Ion 96.00 (95.70 to 96.70): VU039739.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU039739.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039739.D (-296) (-)





#13

Acetone

Concen: 215.609 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU039739.D

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Instrument :

MSVOA_U

ClientSampleId :

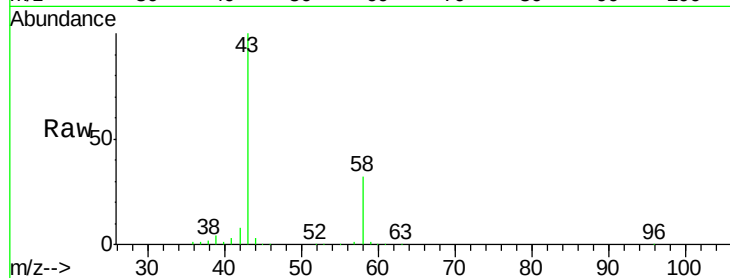
VSTD02005

Tgt Ion: 43 Resp: 226149

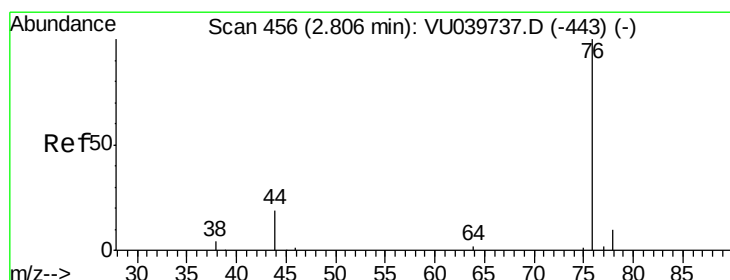
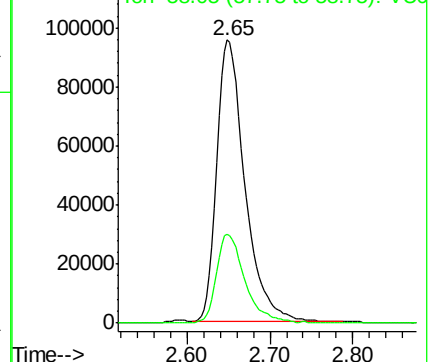
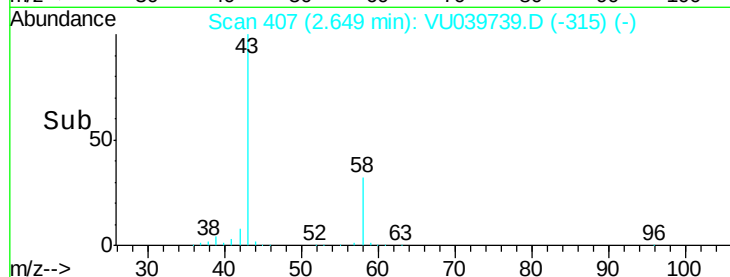
Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039739.D (-315) (-)



#14

Carbon disulfide

Concen: 25.966 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039739.D

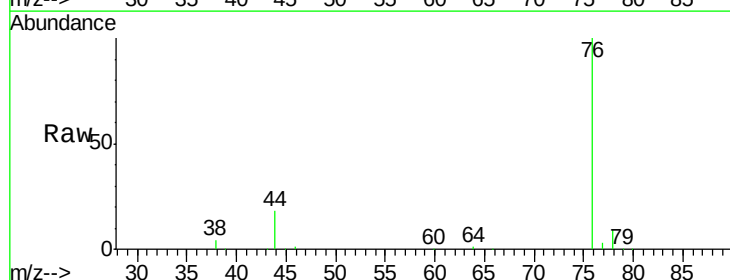
Acq: 03 Aug 2020 14:50

Tgt Ion: 76 Resp: 339491

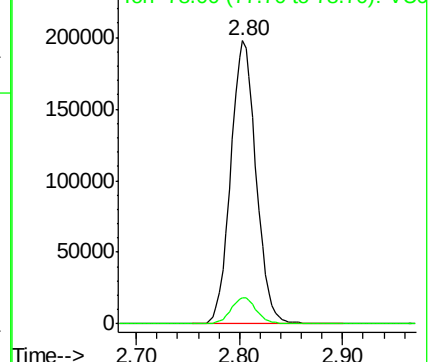
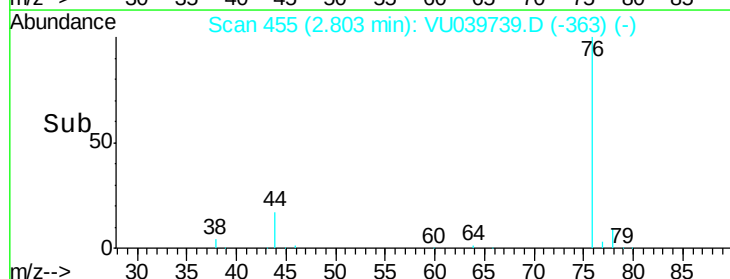
Ion Ratio Lower Upper

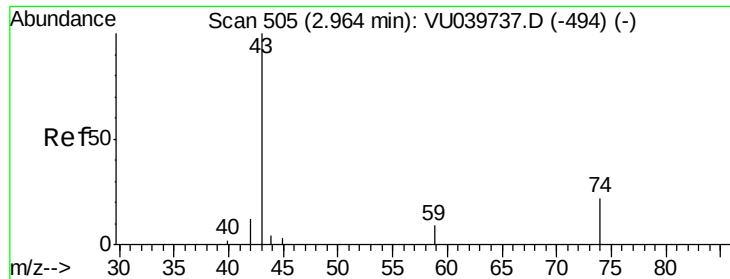
76 100

78 9.2 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039739.D (-363) (-)

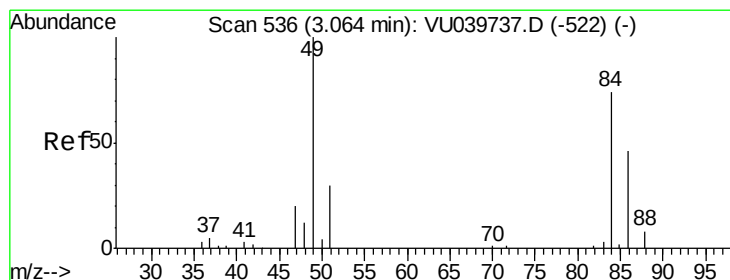
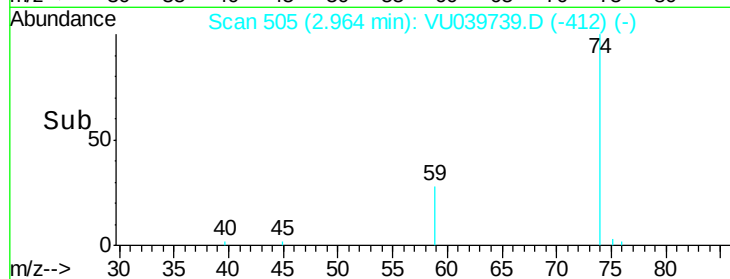
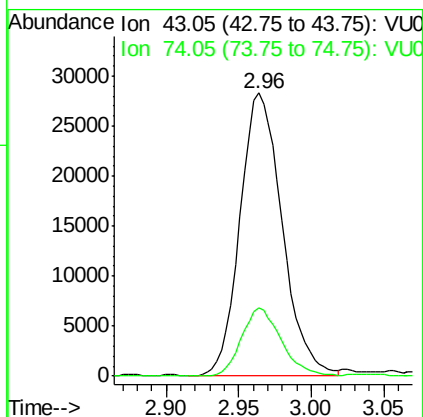
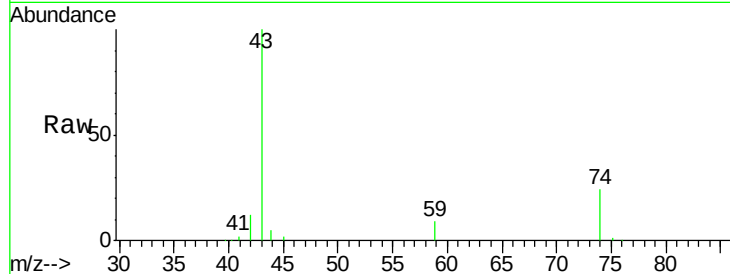




#15
Methyl Acetate
Concen: 22.243 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

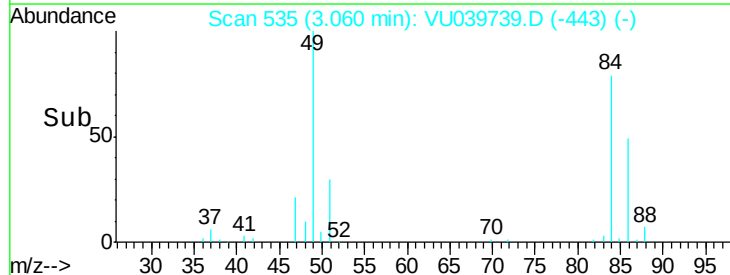
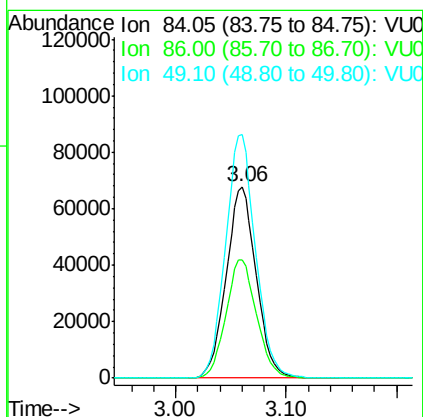
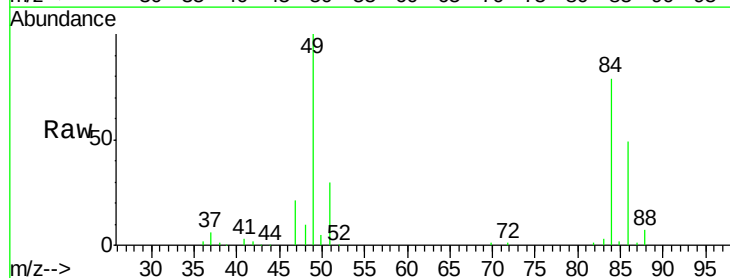
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

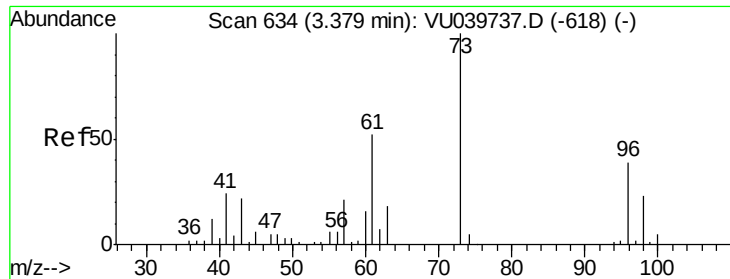
Tgt Ion: 43 Resp: 57373
Ion Ratio Lower Upper
43 100
74 22.6 16.6 25.0



#16
Methylene chloride
Concen: 20.396 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion: 84 Resp: 127662
Ion Ratio Lower Upper
84 100
86 61.7 43.9 81.5
49 127.1 94.4 175.4

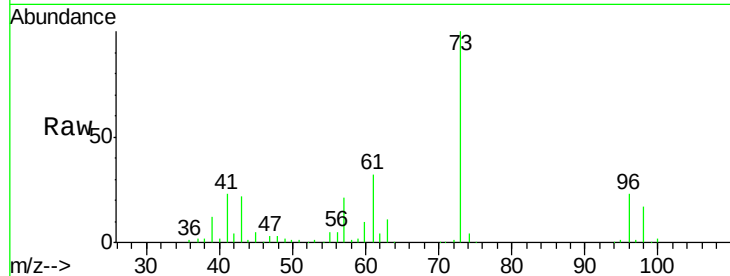




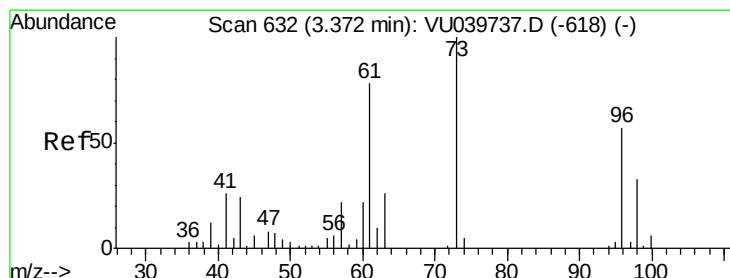
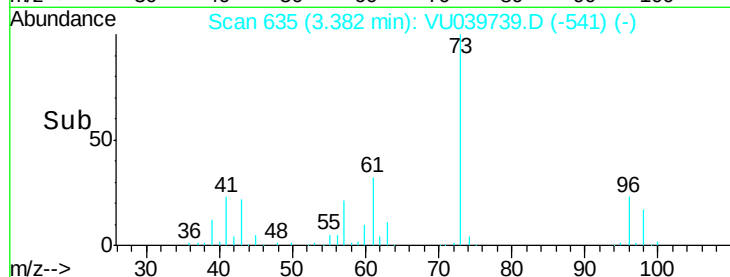
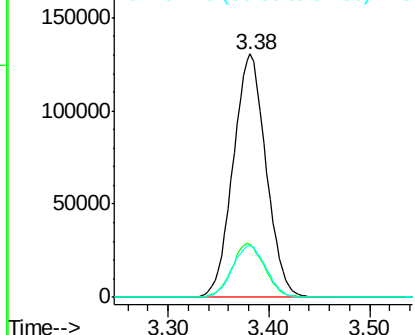
#17
Methyl tert-butyl Ether
Concen: 22.195 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion: 73 Resp: 295321
Ion Ratio Lower Upper
73 100
43 22.1 18.2 27.4
57 21.8 17.8 26.8

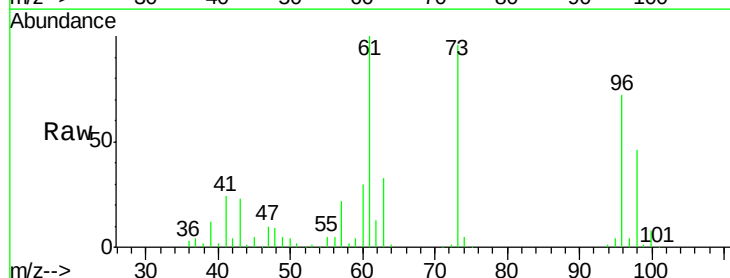


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

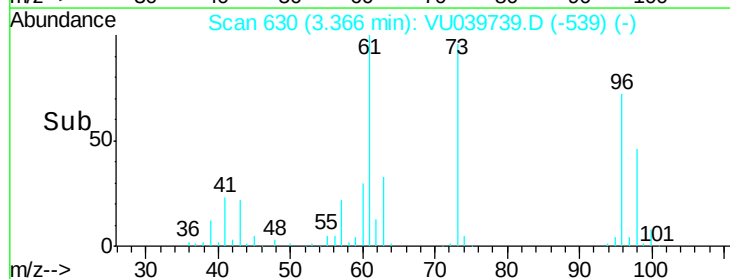
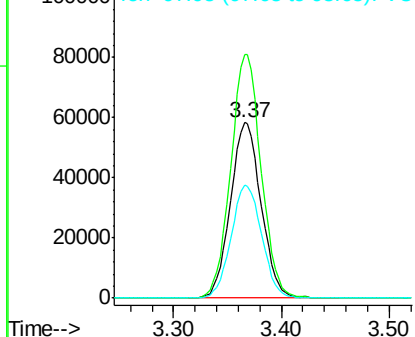


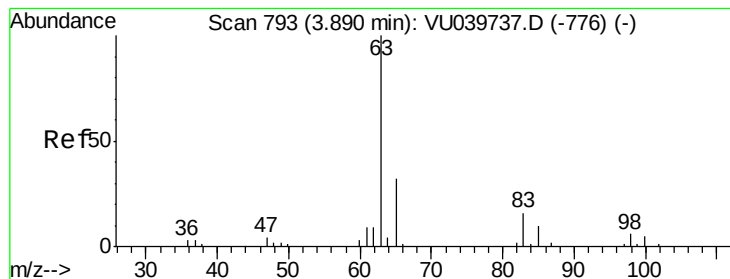
#18
trans-1,2-Dichloroethene
Concen: 24.067 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.01 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion: 96 Resp: 115539
Ion Ratio Lower Upper
96 100
61 138.8 96.5 179.1
98 64.1 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 22.104 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

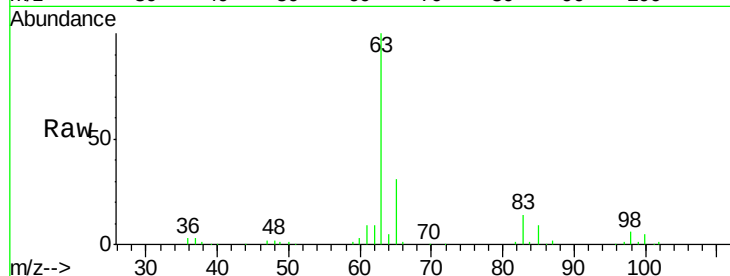
Tgt Ion: 63 Resp: 212144

Ion Ratio Lower Upper

63 100

65 30.5 22.0 41.0

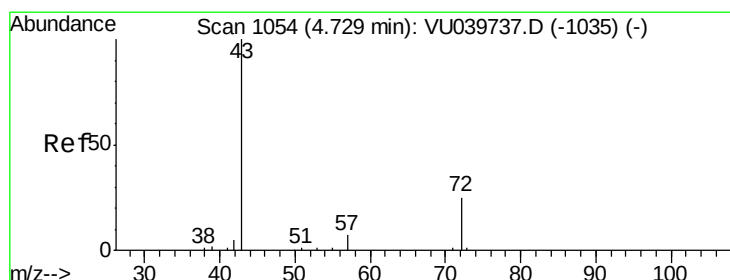
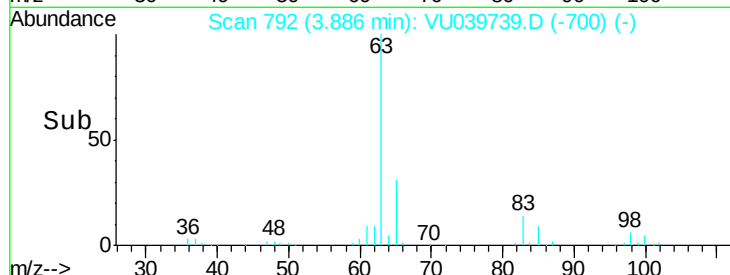
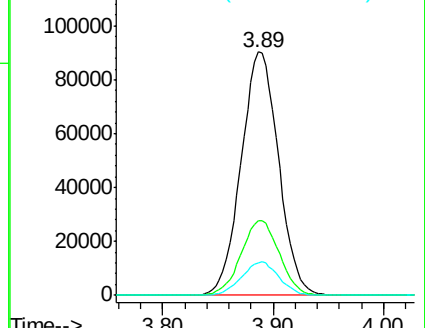
83 13.6 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU039739.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU039739.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU039739.D (-700) (-)



#21

2-Butanone

Concen: 216.160 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU039739.D

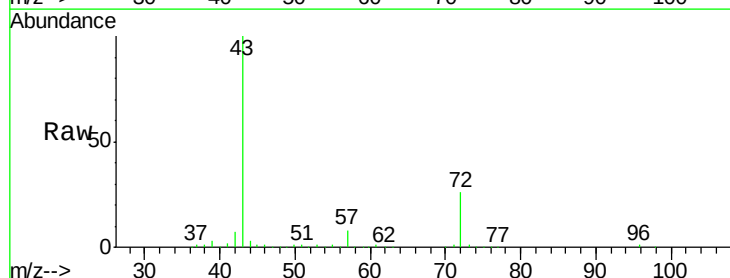
Acq: 03 Aug 2020 14:50

Tgt Ion: 43 Resp: 391766

Ion Ratio Lower Upper

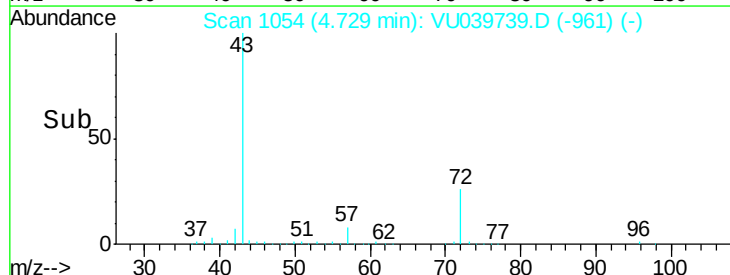
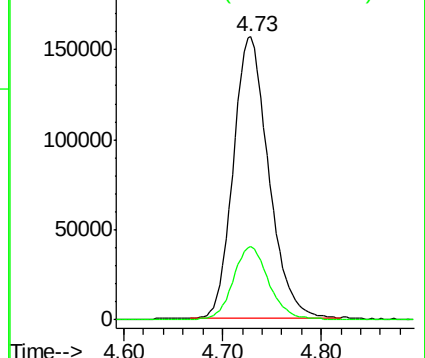
43 100

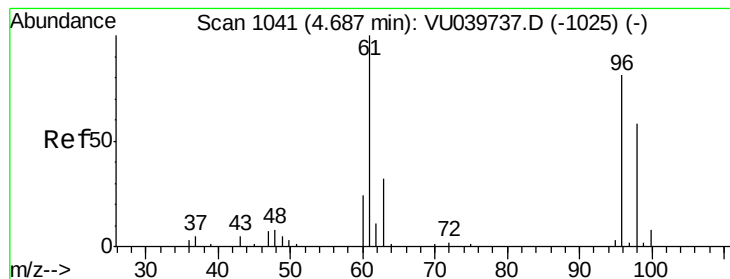
72 26.5 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039739.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU039739.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 23.197 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

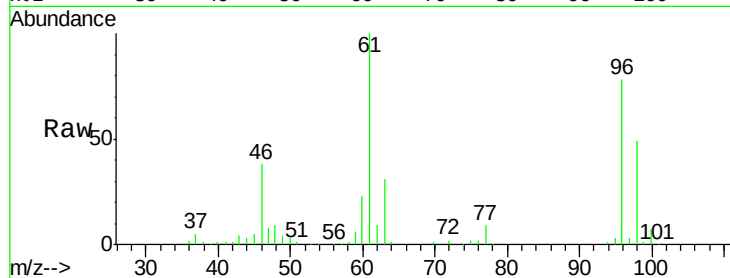
Tgt Ion: 96 Resp: 128789

Ion Ratio Lower Upper

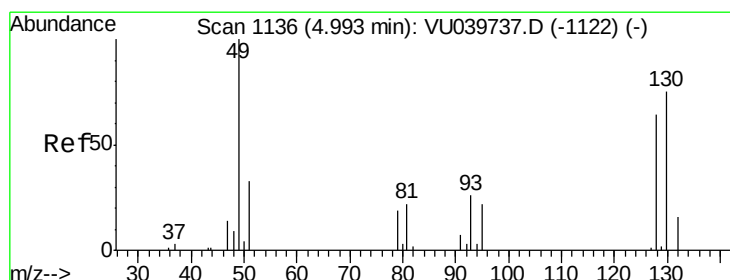
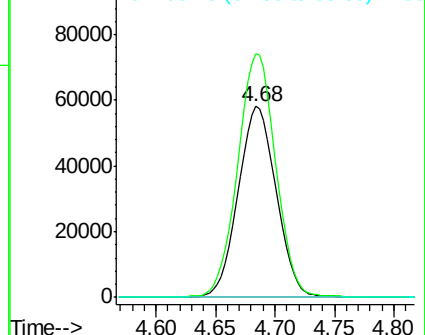
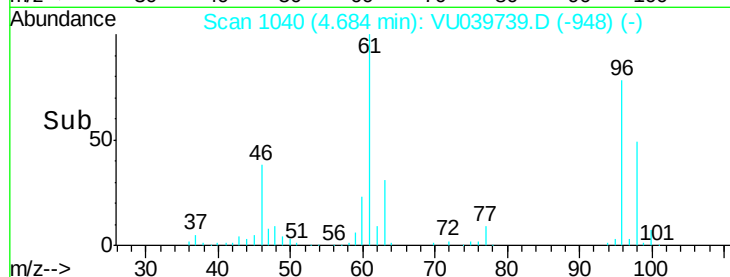
96 100

61 127.7 87.4 162.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039739.D (-1040) (-)



#23

Bromochloromethane

Concen: 23.386 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Tgt Ion: 128 Resp: 61310

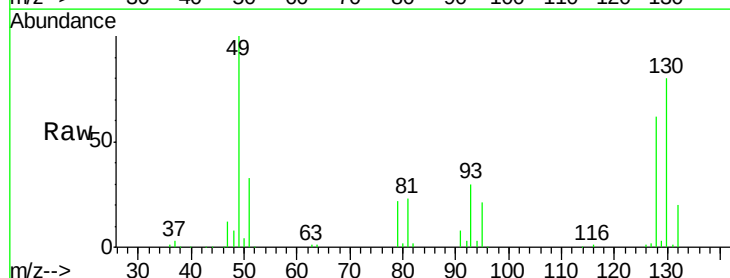
Ion Ratio Lower Upper

128 100

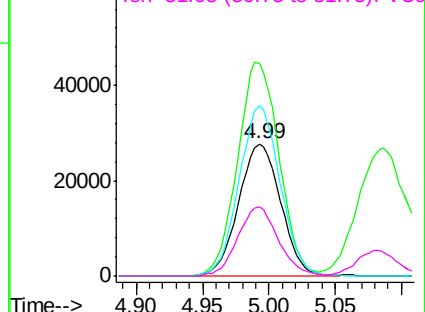
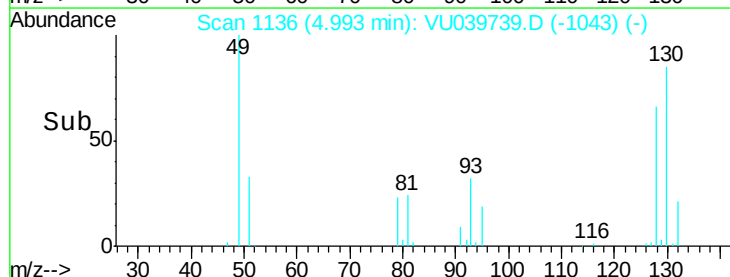
49 160.6 110.3 204.9

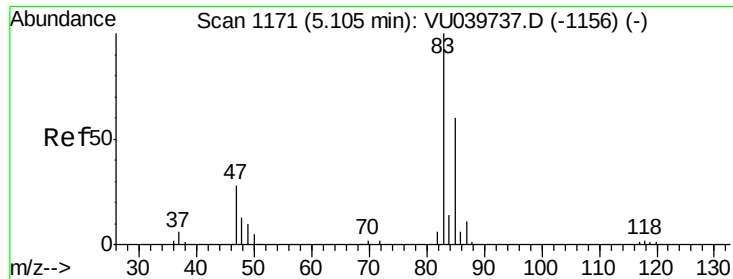
130 129.0 82.0 152.4

51 52.3 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): VU039739.D (-1136) (-)

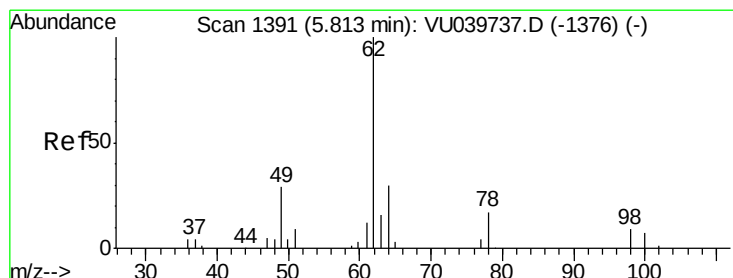
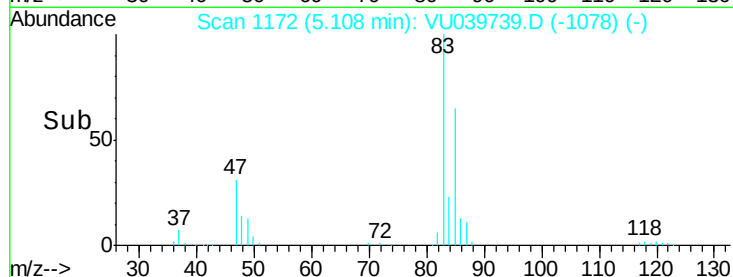
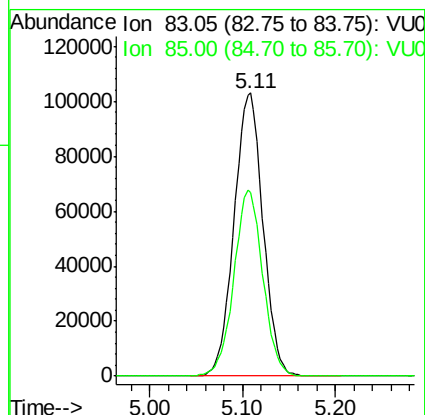
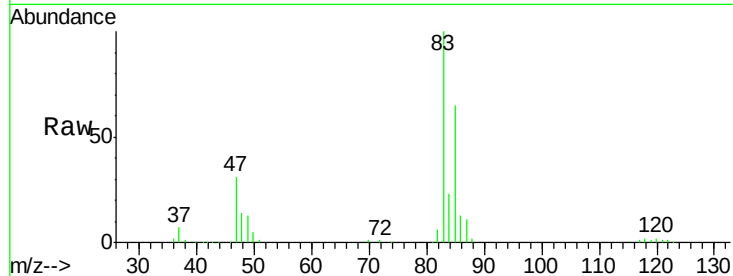




#25
Chloroform
Concen: 20.331 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

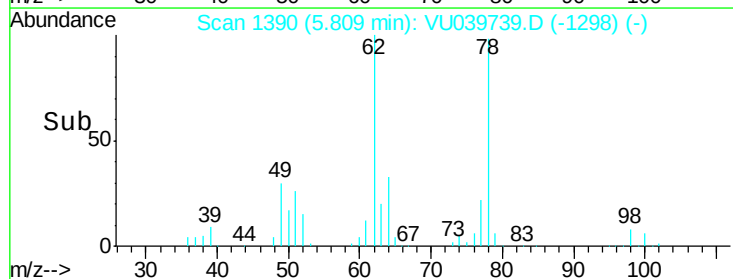
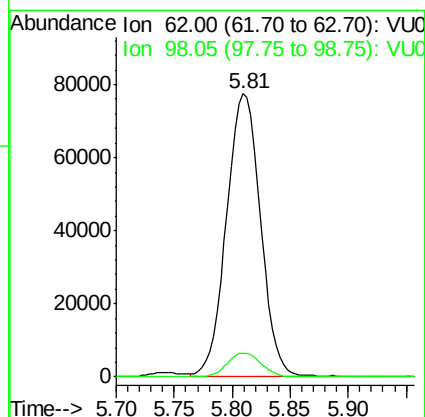
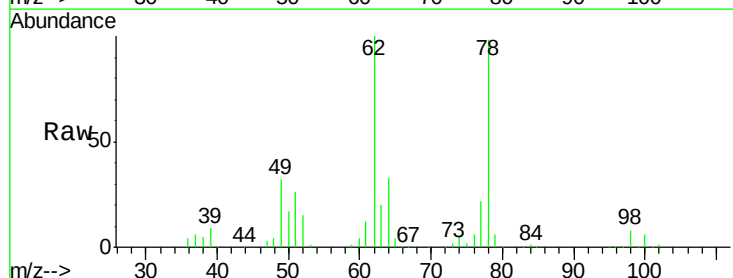
Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

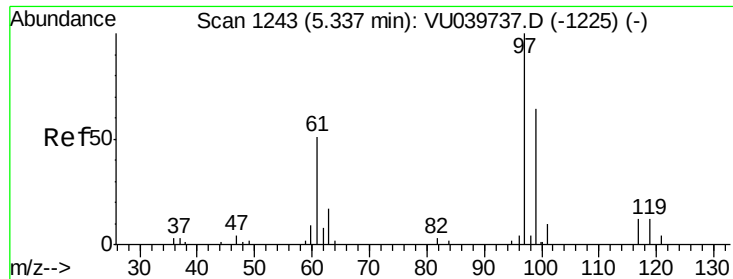
Tgt Ion: 83 Resp: 222569
Ion Ratio Lower Upper
83 100
85 64.8 42.1 78.3



#27
1,2-Dichloroethane
Concen: 21.144 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion: 62 Resp: 156933
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9

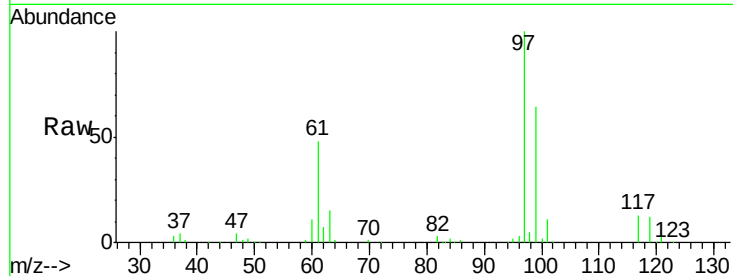




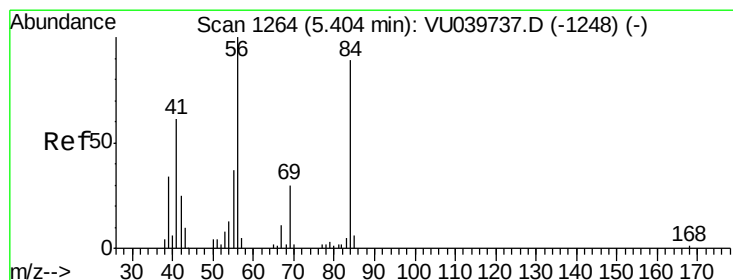
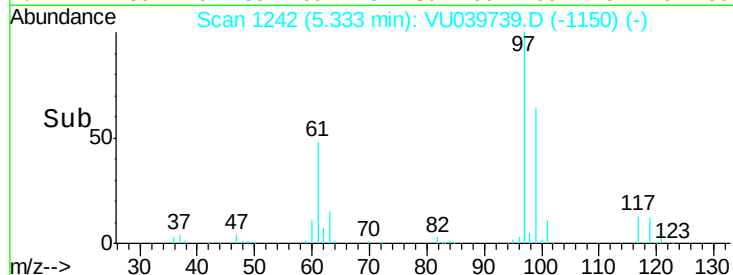
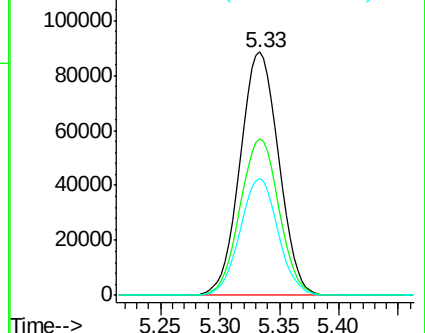
#29
 1,1,1-Trichloroethane
 Concen: 21.967 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 97 Resp: 199209
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.8 79.2
 61 47.2 40.5 60.7

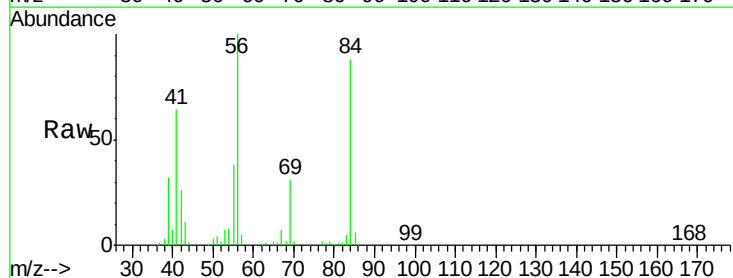


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

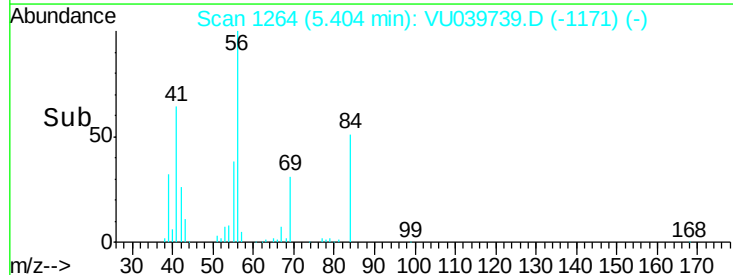
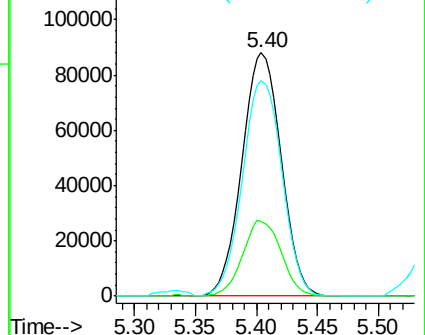


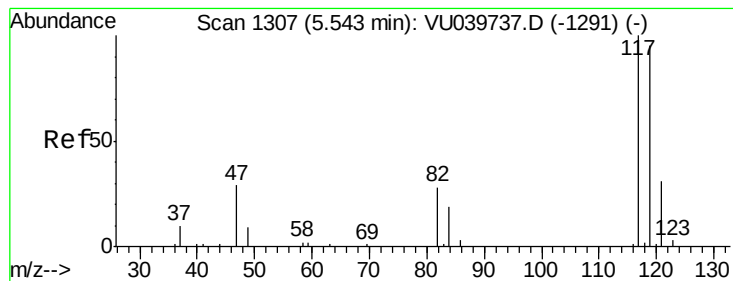
#30
 Cyclohexane
 Concen: 24.206 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Tgt Ion: 56 Resp: 196091
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.4 36.6
 84 89.5 71.3 106.9



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: 22.828 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

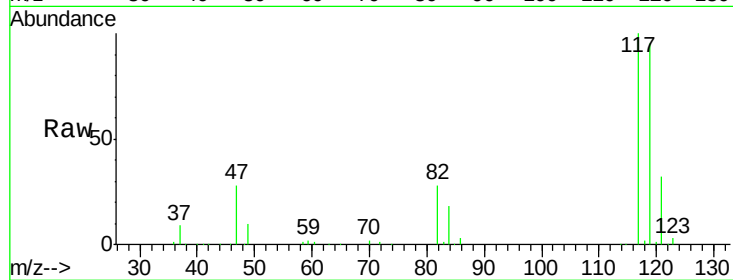
VSTD02005

Tgt Ion:117 Resp: 178884

Ion Ratio Lower Upper

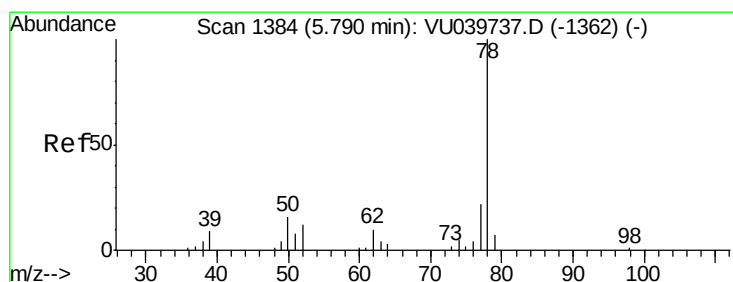
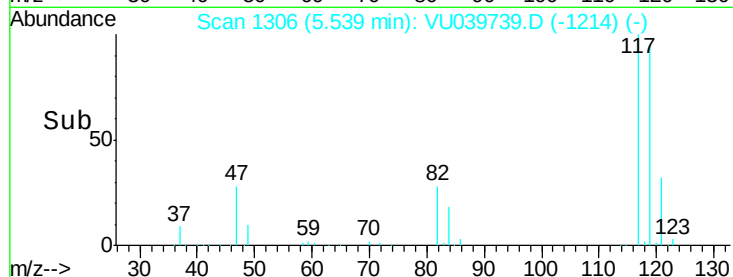
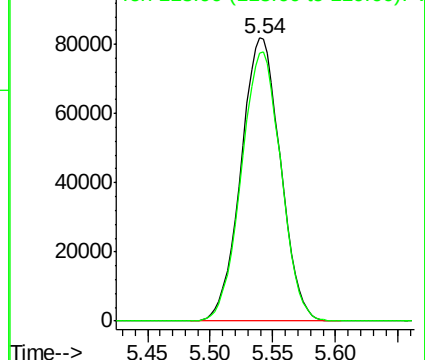
117 100

119 95.5 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 22.641 ug/L

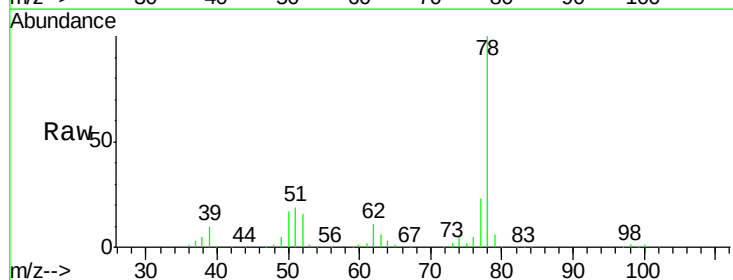
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

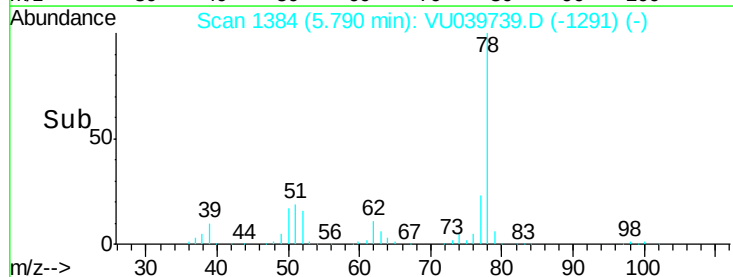
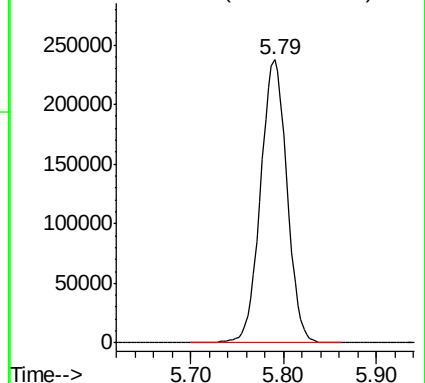
Lab File: VU039739.D

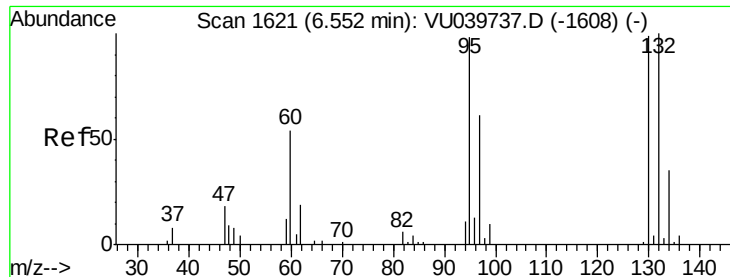
Acq: 03 Aug 2020 14:50

Tgt Ion: 78 Resp: 472934



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 21.237 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tgt Ion: 95 Resp: 121542

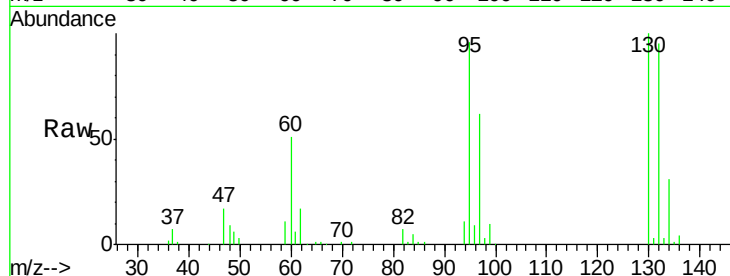
Ion Ratio Lower Upper

95 100

97 64.6 44.0 81.8

132 99.2 71.7 133.3

130 104.1 71.1 132.1

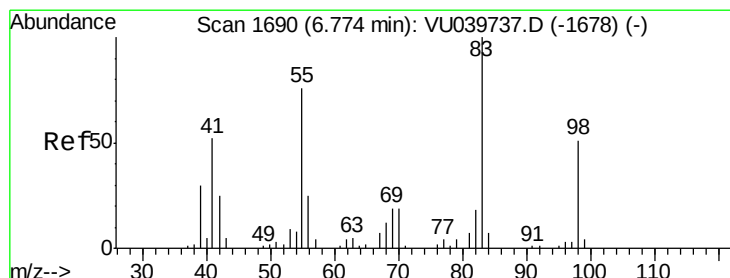
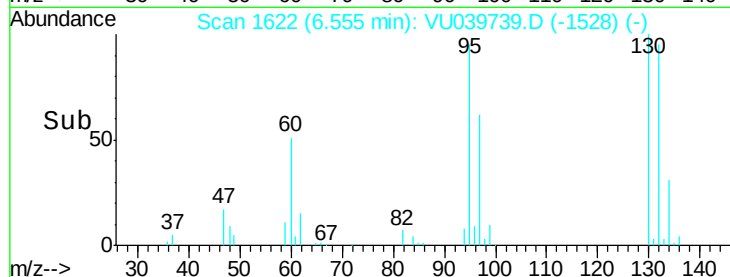
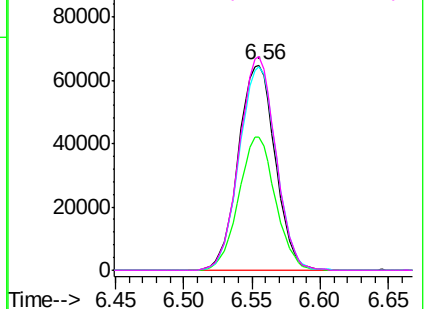


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 24.182 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

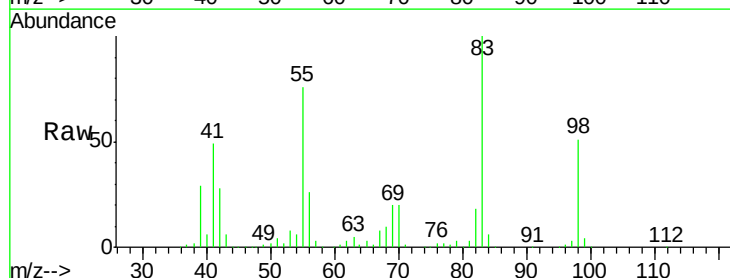
Tgt Ion: 83 Resp: 206308

Ion Ratio Lower Upper

83 100

55 76.6 59.4 89.0

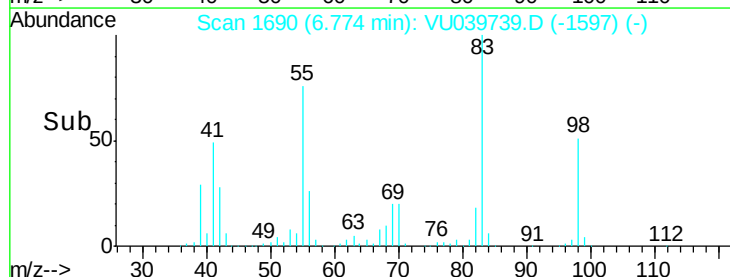
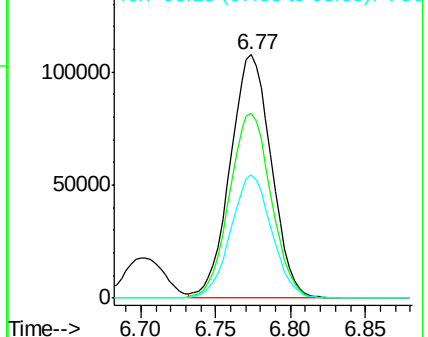
98 50.4 39.0 58.4

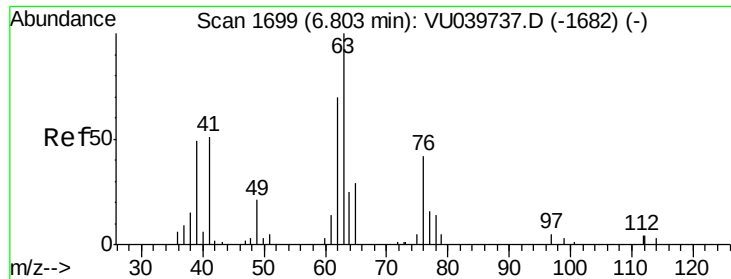


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

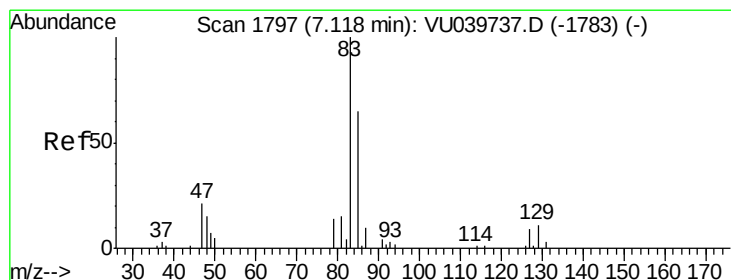
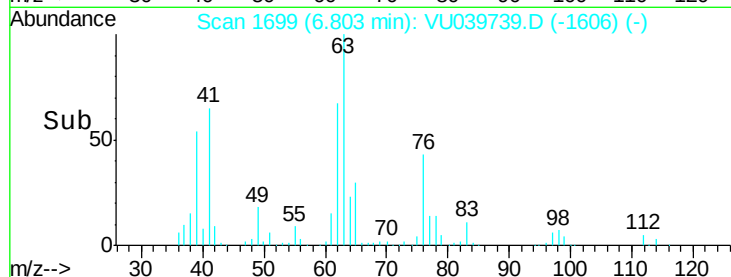
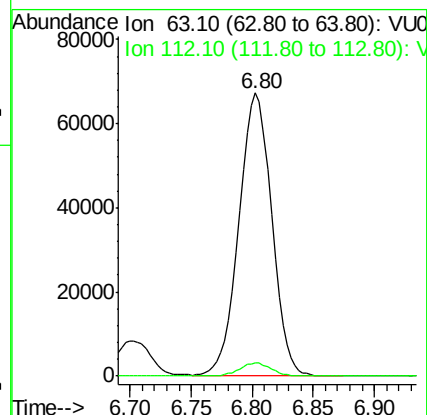
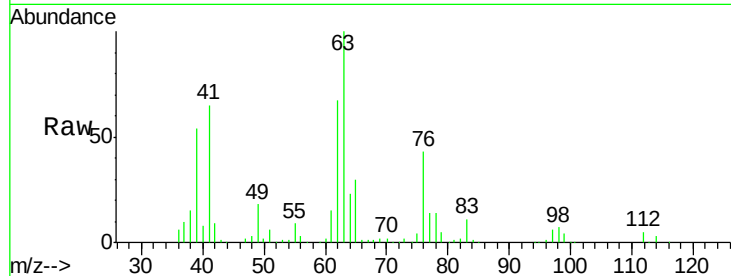




#37
 1,2-Dichloropropane
 Concen: 21.944 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

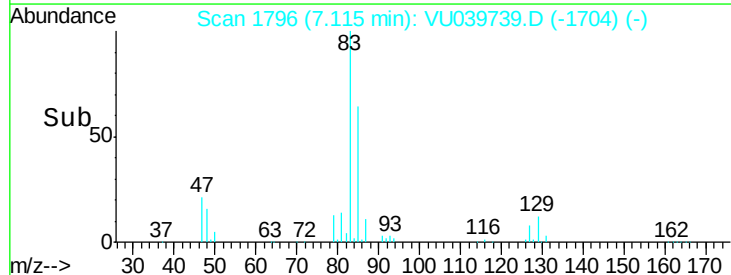
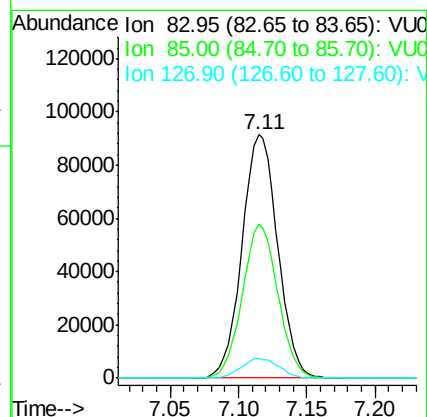
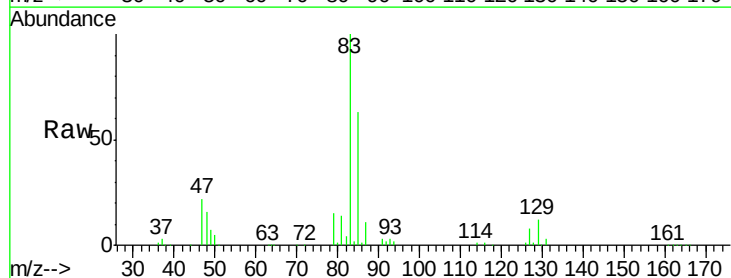
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

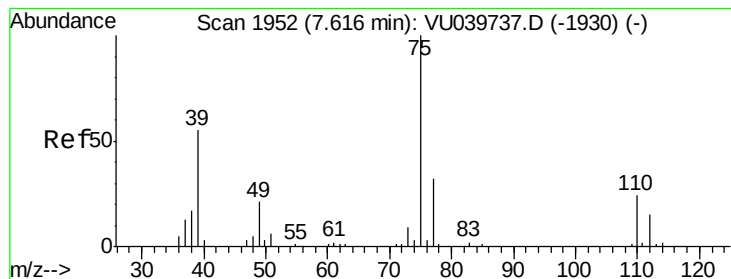
Tgt Ion: 63 Resp: 125645
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 22.018 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Tgt Ion: 83 Resp: 165760
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.3 84.1
 127 8.1 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 23.070 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

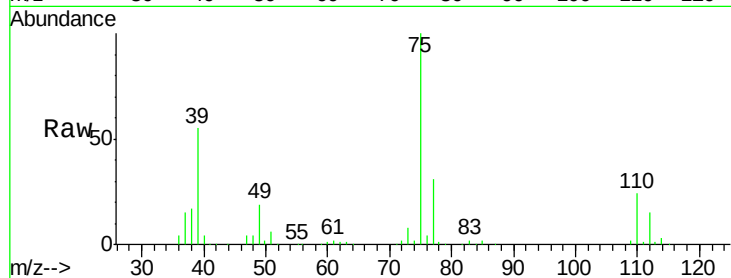
VSTD02005

Tgt Ion: 75 Resp: 188634

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.62

120000

100000

80000

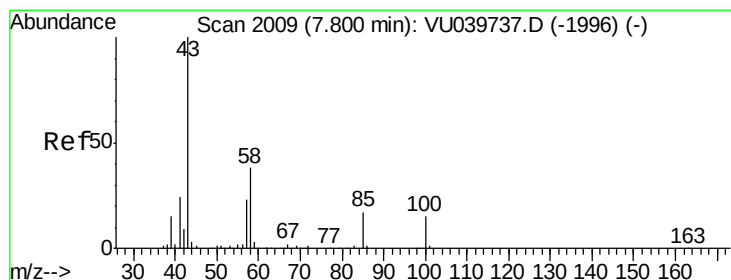
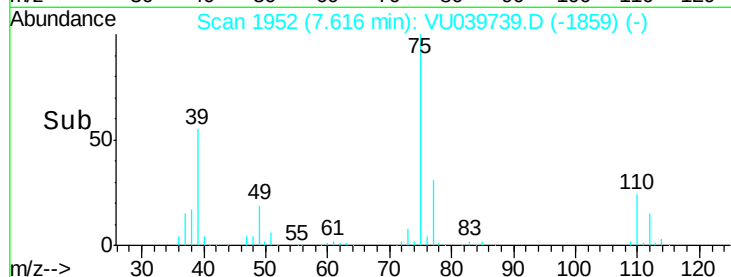
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#40

4-Methyl-2-pentanone

Concen: 218.032 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

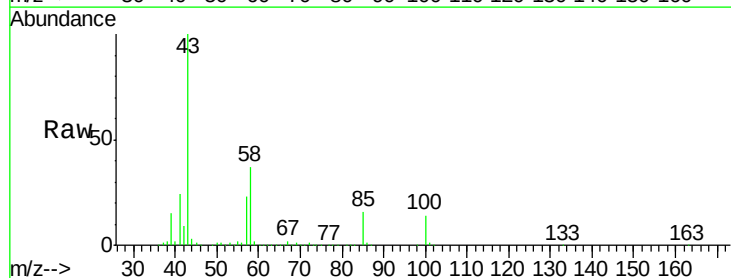
Tgt Ion: 43 Resp: 977057

Ion Ratio Lower Upper

43 100

58 37.2 29.4 44.2

100 14.6 11.7 17.5



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

7.80

800000

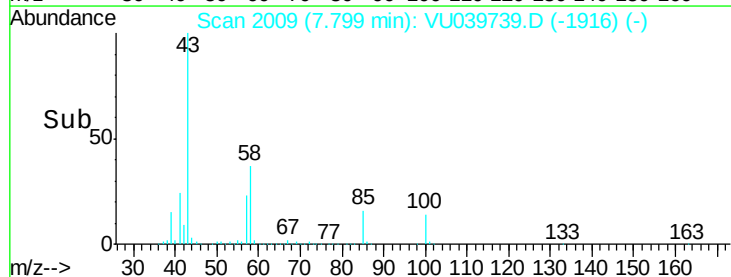
600000

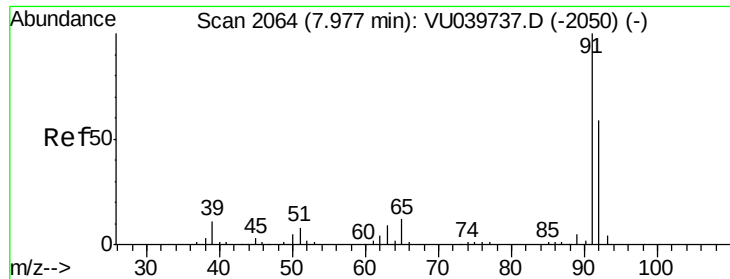
400000

200000

0

Time--> 7.70 7.80 7.90





#42

Toluene

Concen: 21.967 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

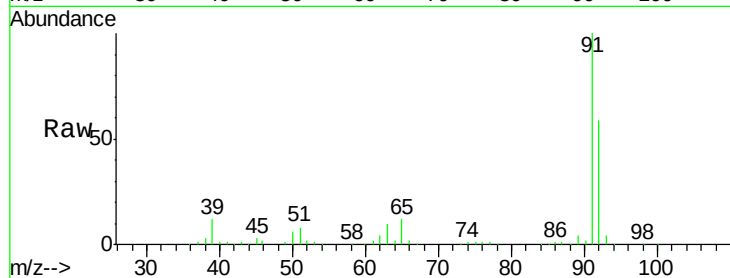
VSTD02005

Tgt Ion: 91 Resp: 496066

Ion Ratio Lower Upper

91 100

92 59.1 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039737.D (-2050) (-)

7.98

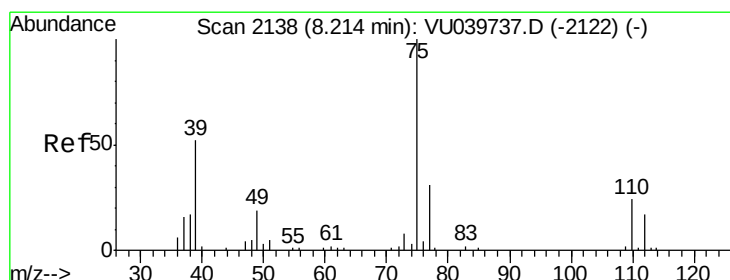
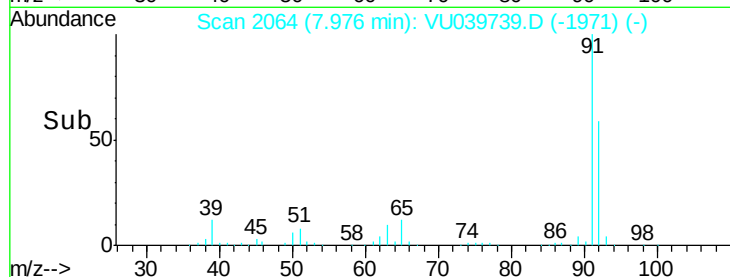
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 22.599 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039739.D

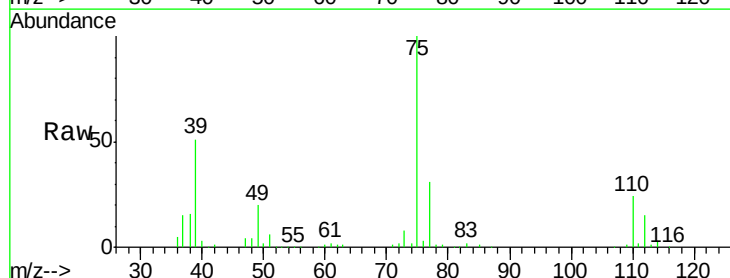
Acq: 03 Aug 2020 14:50

Tgt Ion: 75 Resp: 169855

Ion Ratio Lower Upper

75 100

77 30.5 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039737.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU039737.D (-2122) (-)

8.22

120000

100000

80000

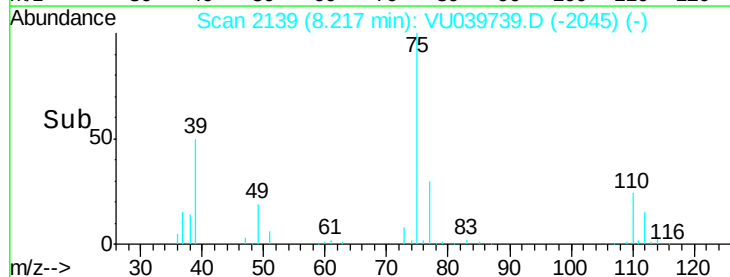
60000

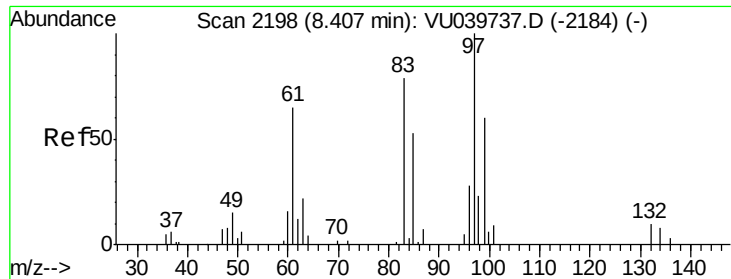
40000

20000

0

Time-->

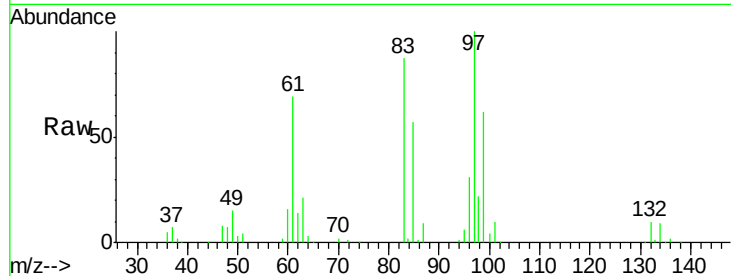




#45
 1,1,2-Trichloroethane
 Concen: 20.970 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

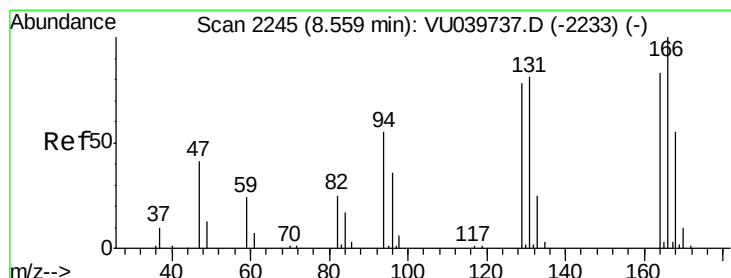
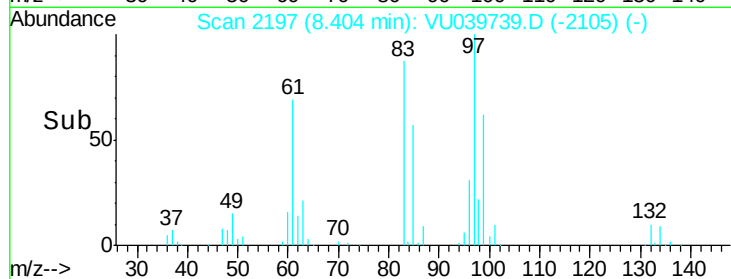
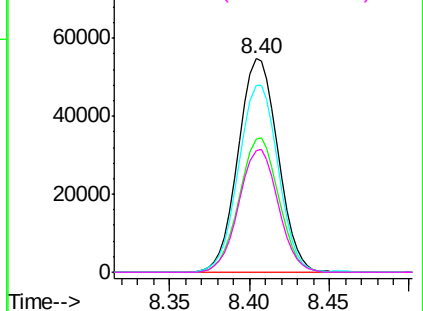
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion:	97	Resp:	93131
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.0	78.0
83	87.5	55.2	102.4
85	57.1	37.0	68.6



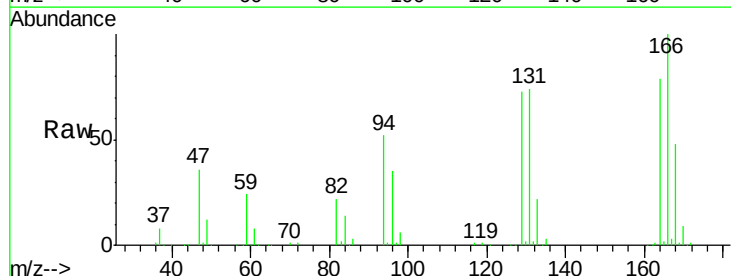
Abundance

Ion 96.95 (96.65 to 97.65): VU039739.D (-2198) (-)



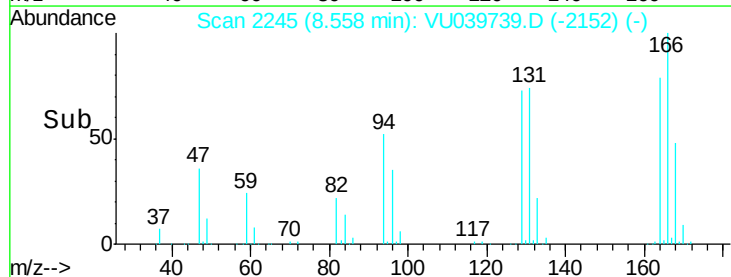
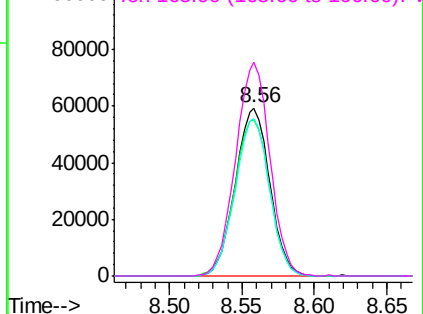
#47
 Tetrachloroethene
 Concen: 24.666 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

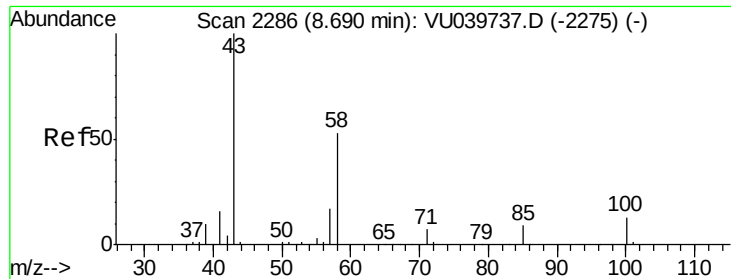
Tgt Ion:	164	Resp:	98280
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.9	122.5
131	94.0	68.1	126.5
166	127.4	84.5	156.9



Abundance

Ion 163.90 (163.60 to 164.60): VU039739.D (-2245) (-)

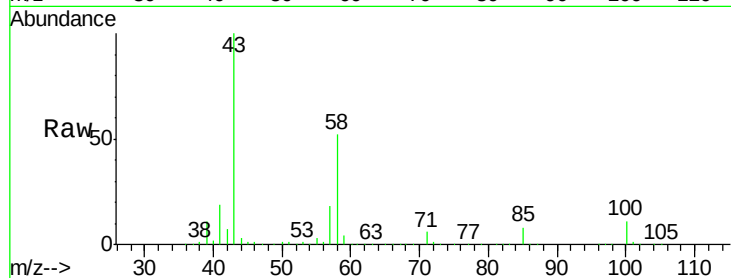




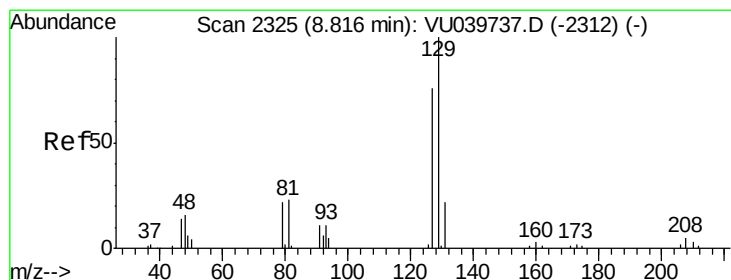
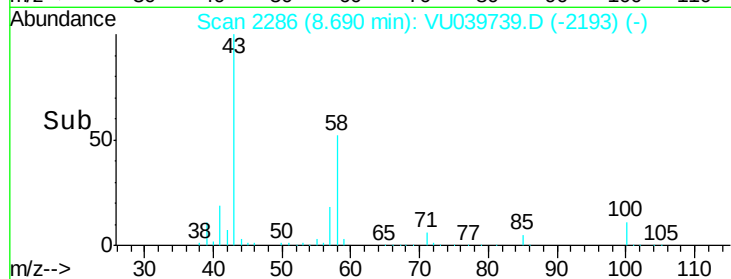
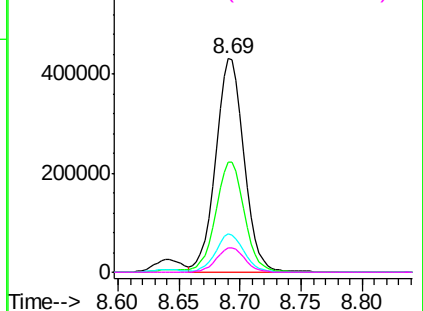
#48
2-Hexanone
Concen: 212.222 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:	43	Resp:	705429
Ion	Ratio	Lower	Upper
43	100		
58	52.6	41.8	62.8
57	17.9	14.2	21.4
100	11.5	9.4	14.2

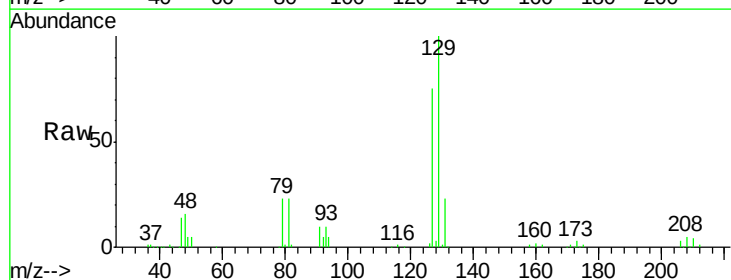


Abundance Ion 43.05 (42.75 to 43.75): VU039739.D (-2193) (-)

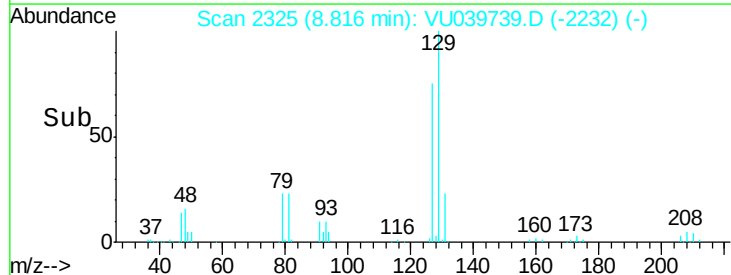
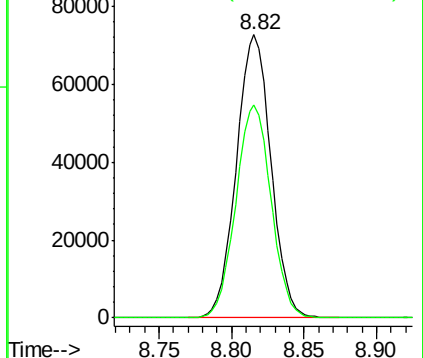


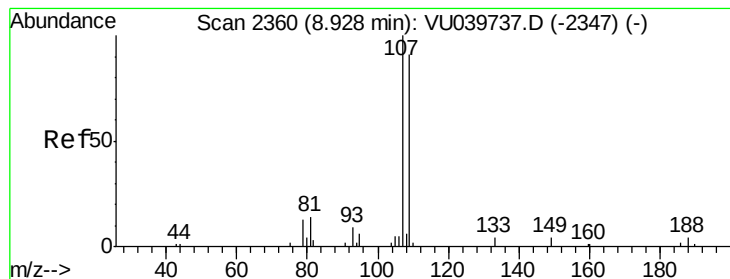
#49
Dibromochloromethane
Concen: 22.478 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion:	129	Resp:	120349
Ion	Ratio	Lower	Upper
129	100		
127	75.2	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039739.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 21.452 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

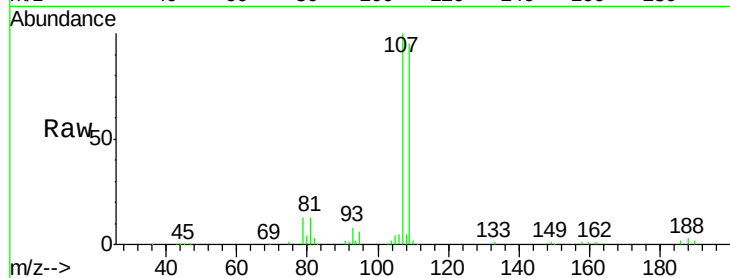
Tgt Ion:107 Resp: 93065

Ion Ratio Lower Upper

107 100

109 95.4 63.9 118.7

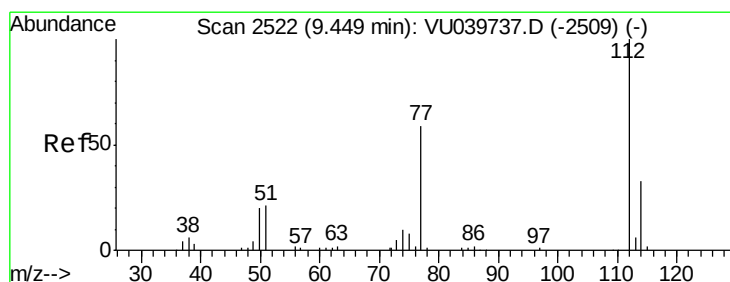
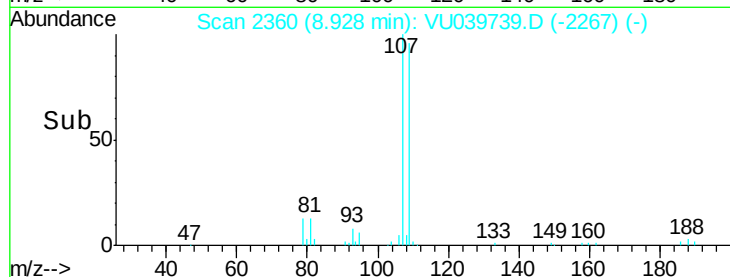
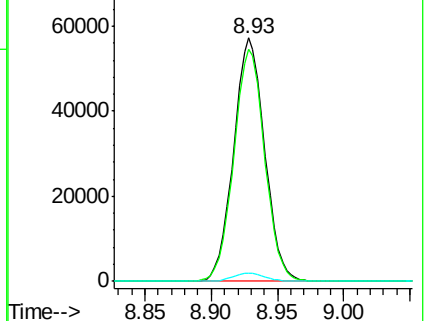
188 3.3 2.9 4.3



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: 22.414 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

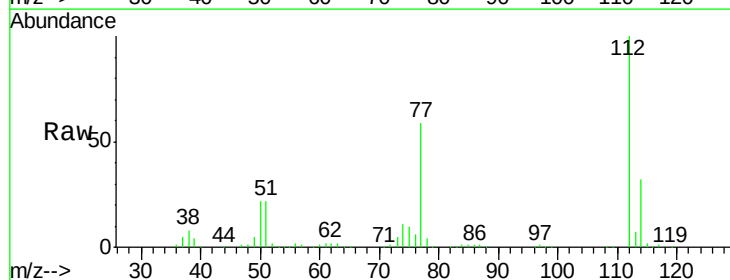
Tgt Ion:112 Resp: 328952

Ion Ratio Lower Upper

112 100

114 31.8 23.2 43.0

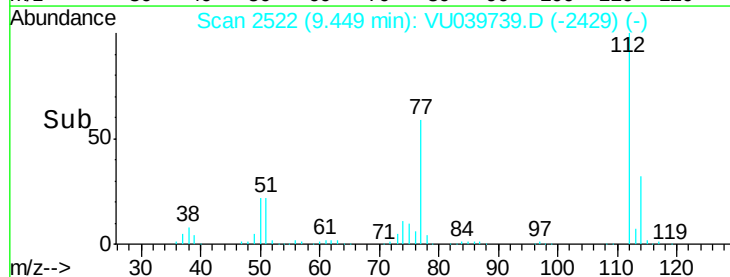
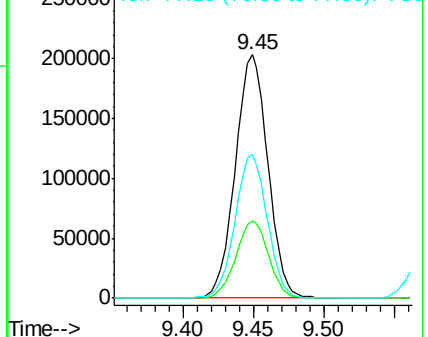
77 58.9 47.8 71.6

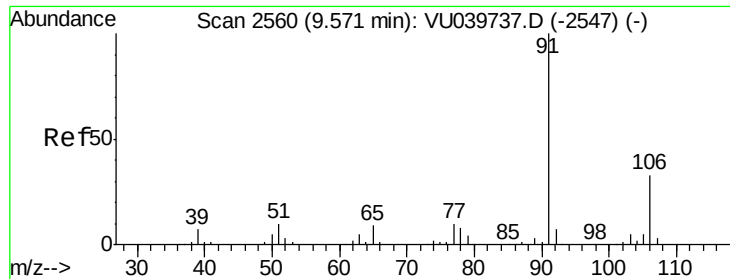


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 22.290 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

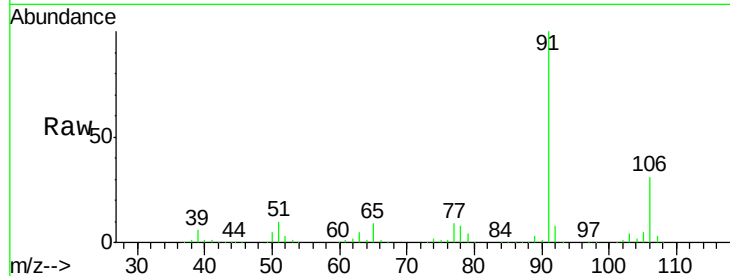
VSTD02005

Tgt Ion: 91 Resp: 572688

Ion Ratio Lower Upper

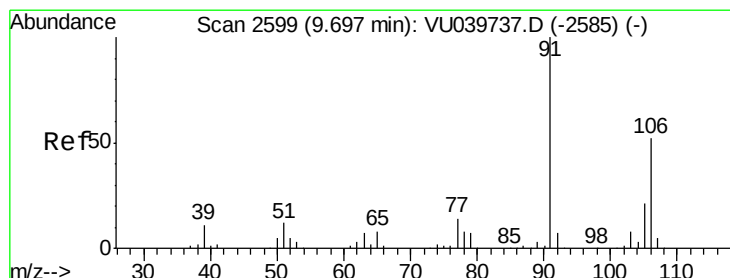
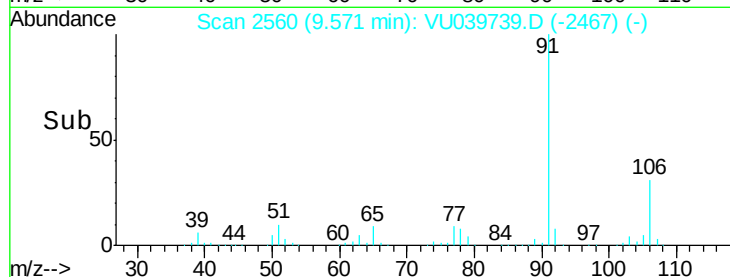
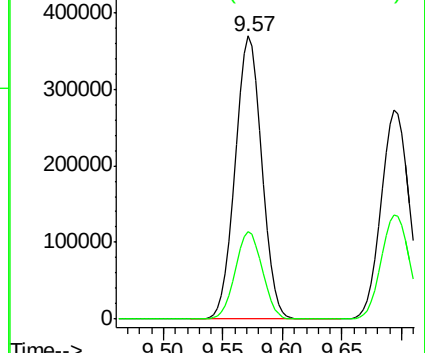
91 100

106 31.1 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 22.916 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039739.D

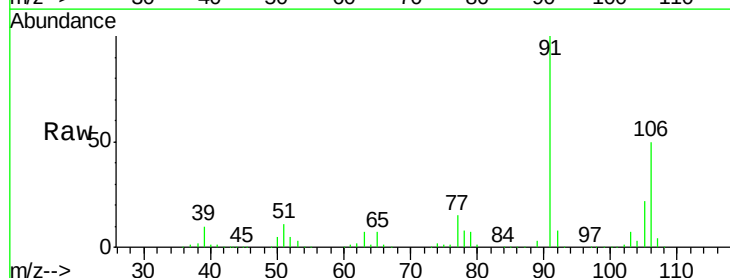
Acq: 03 Aug 2020 14:50

Tgt Ion: 106 Resp: 222108

Ion Ratio Lower Upper

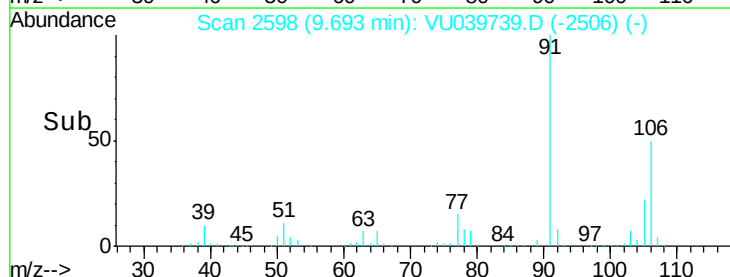
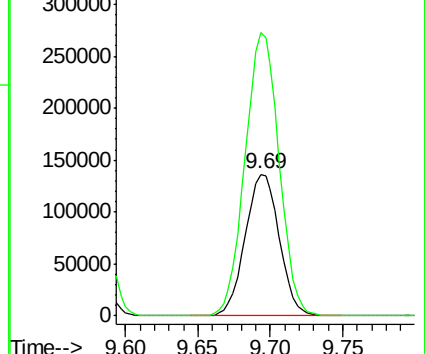
106 100

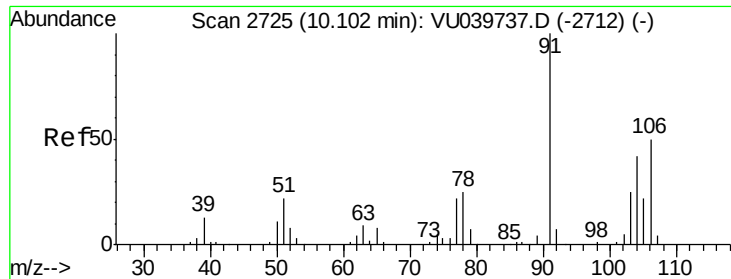
91 200.2 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

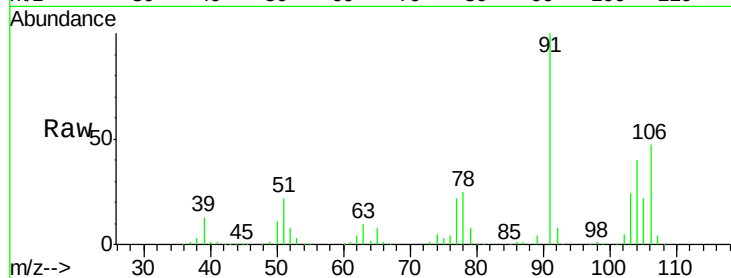




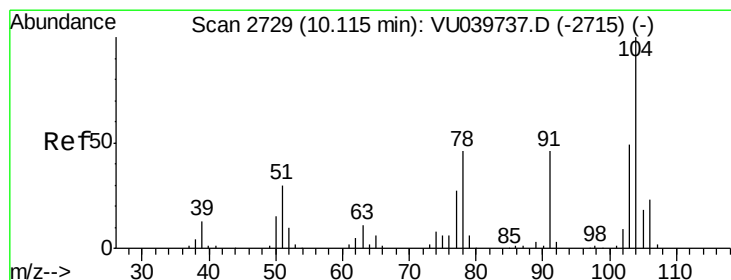
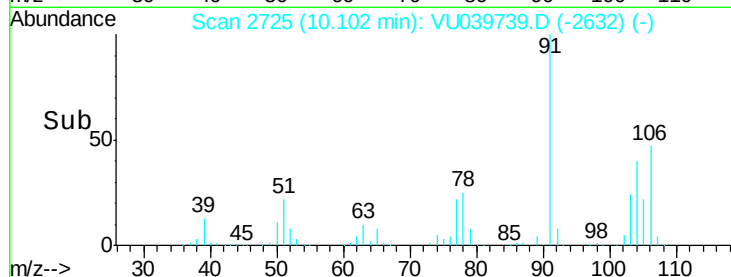
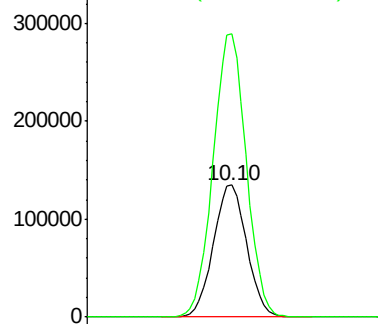
#54
o-Xylene
Concen: 22.743 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:106 Resp: 215540
Ion Ratio Lower Upper
106 100
91 214.2 140.8 261.6

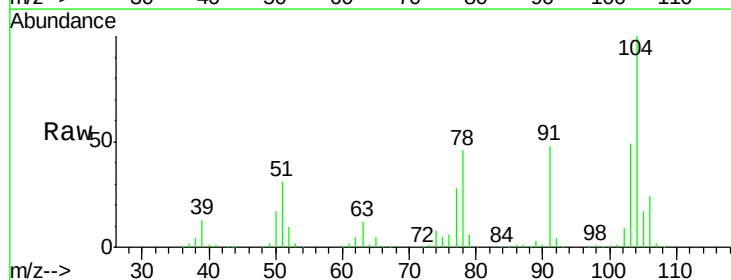


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

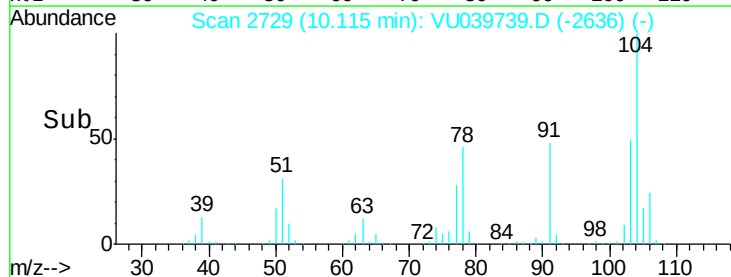
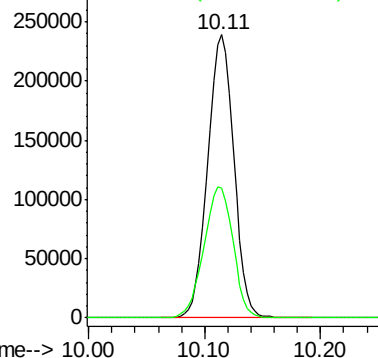


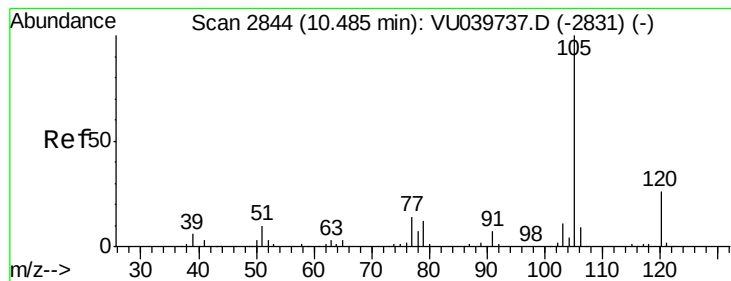
#55
Styrene
Concen: 23.559 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039739.D
Acq: 03 Aug 2020 14:50

Tgt Ion:104 Resp: 372531
Ion Ratio Lower Upper
104 100
78 45.8 32.3 60.1



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





#56

Isopropylbenzene

Concen: 22.644 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

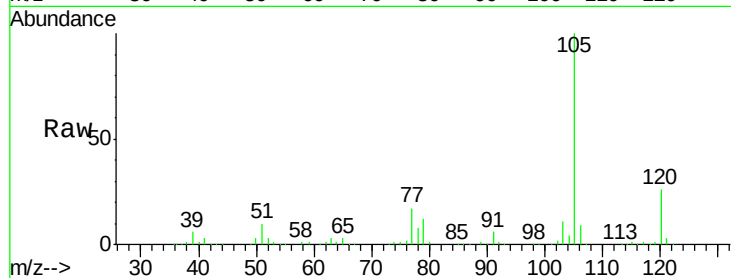
Tgt Ion: 105 Resp: 579972

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

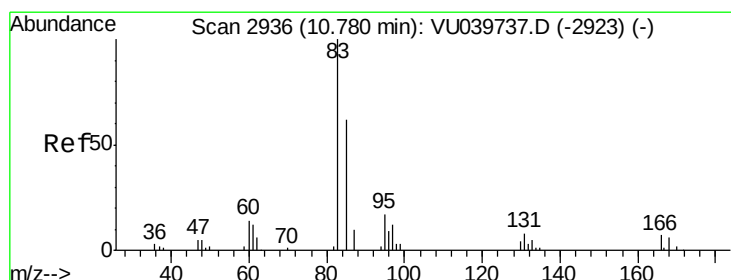
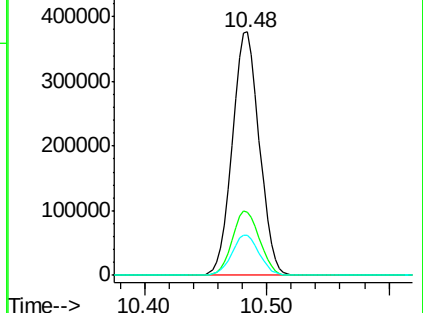
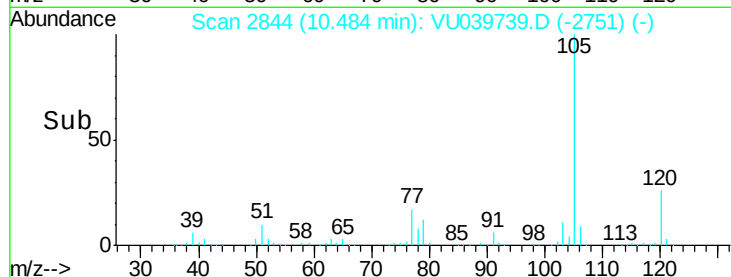
77 16.8 12.9 19.3



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: 21.697 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

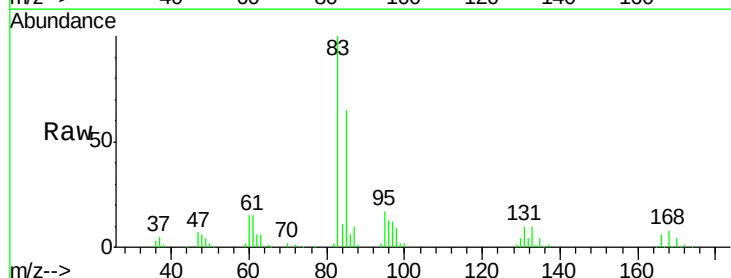
Tgt Ion: 83 Resp: 123492

Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.4

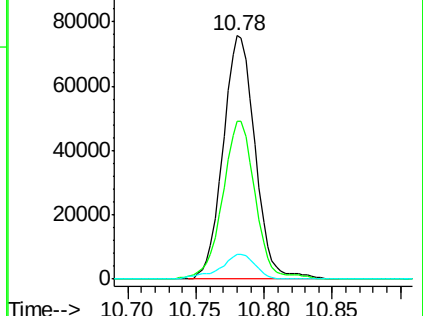
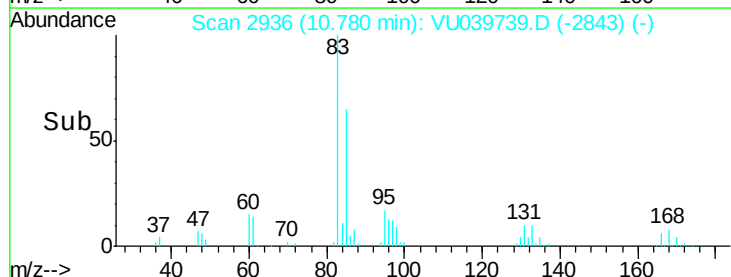
131 10.1 7.4 11.0

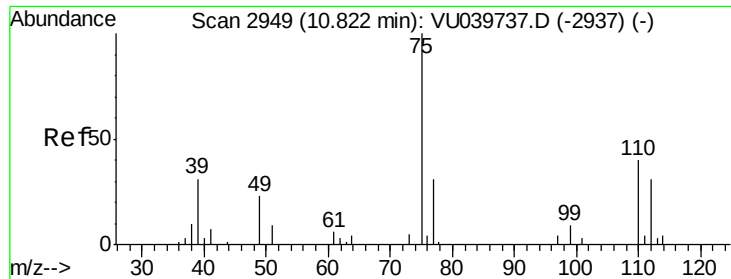


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.093 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

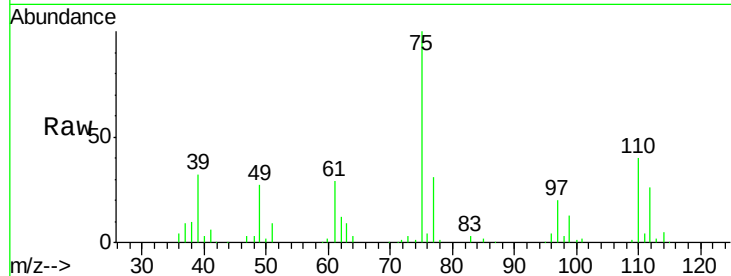
VSTD02005

Tgt Ion: 75 Resp: 88933

Ion Ratio Lower Upper

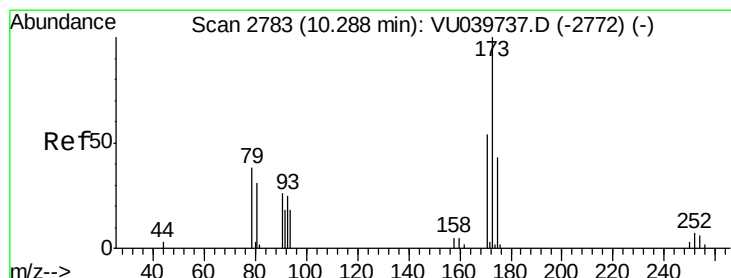
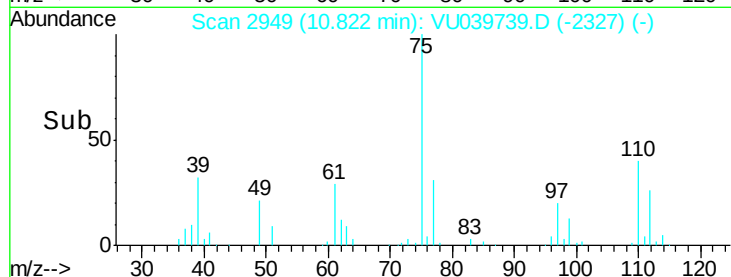
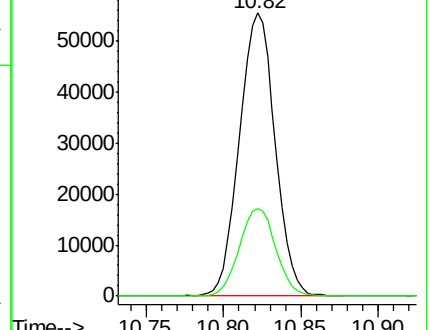
75 100

77 31.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039737.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039737.D (-2937) (-)



#61

Bromoform

Concen: 21.195 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

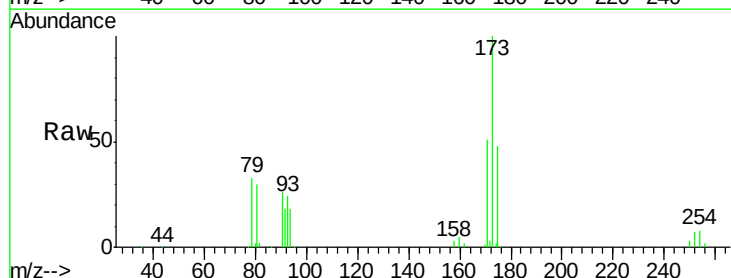
Tgt Ion: 173 Resp: 69916

Ion Ratio Lower Upper

173 100

175 48.0 33.8 50.8

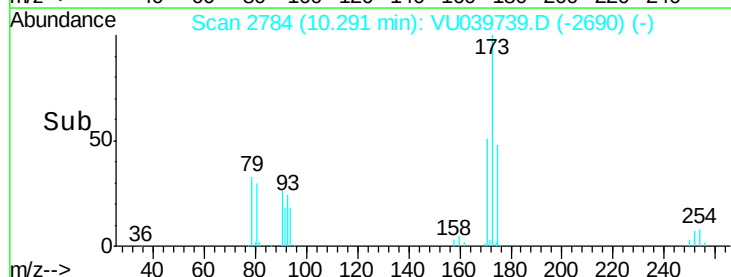
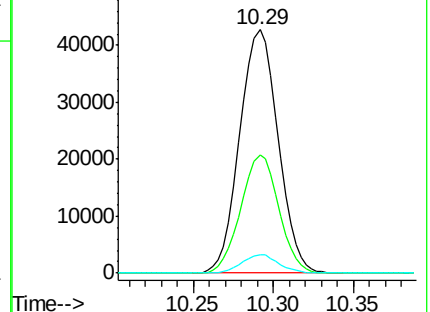
254 7.2 5.5 8.3

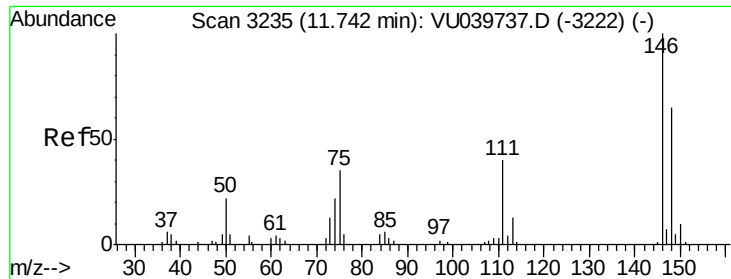


Abundance Ion 172.90 (172.60 to 173.60): VU039737.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039737.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039737.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 21.359 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

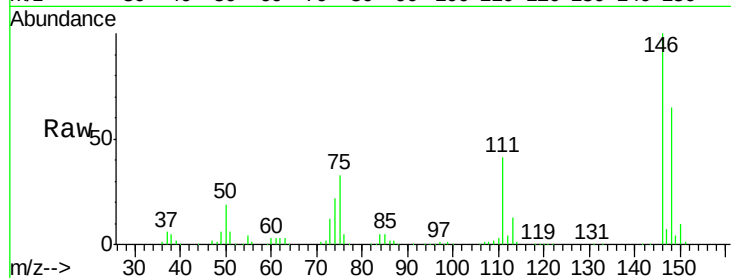
Tgt Ion:146 Resp: 276378

Ion Ratio Lower Upper

146 100

111 40.6 27.7 51.5

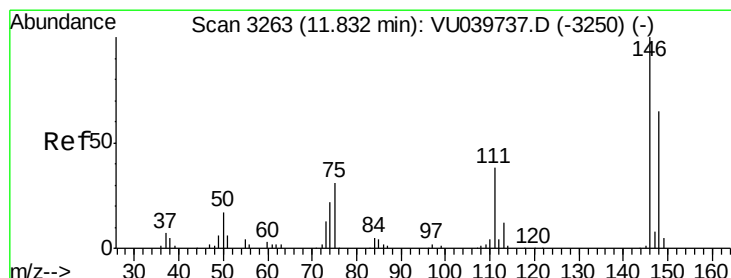
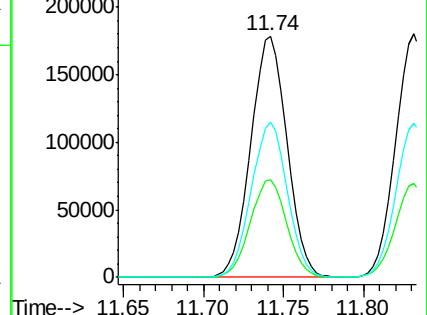
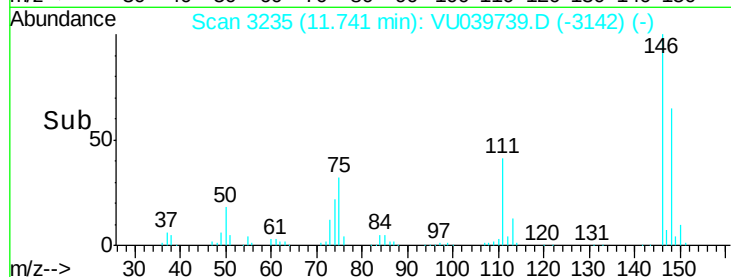
148 64.5 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.947 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

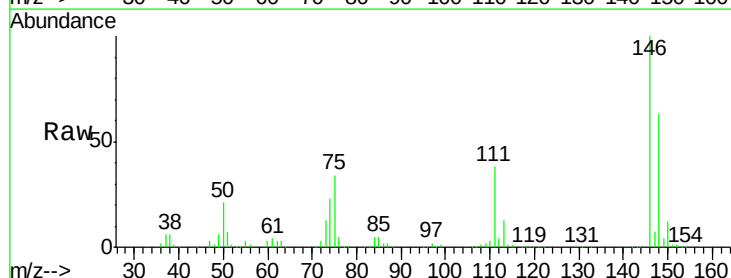
Tgt Ion:146 Resp: 276345

Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.3

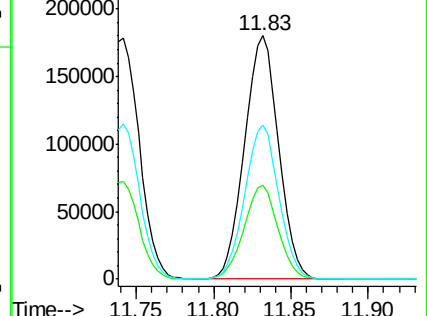
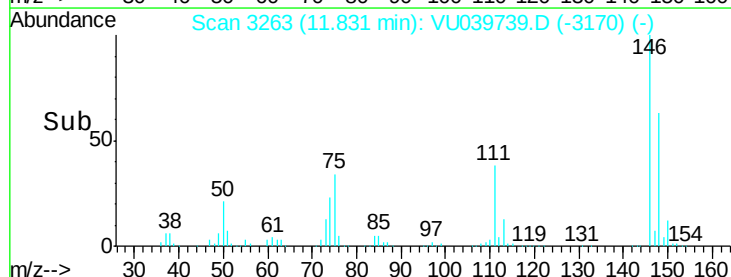
148 63.4 45.3 84.1

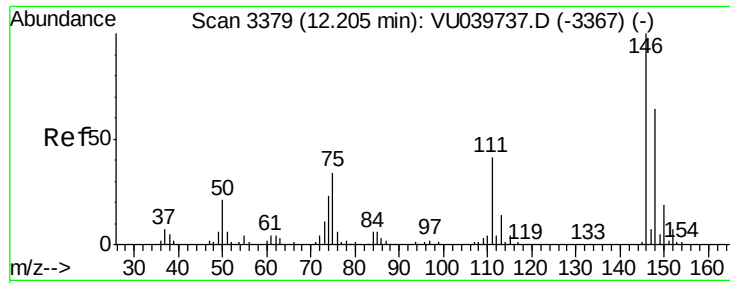


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

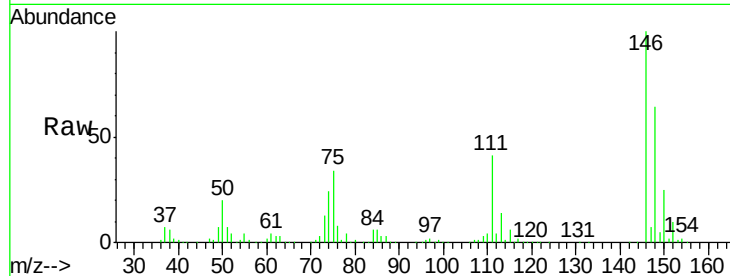




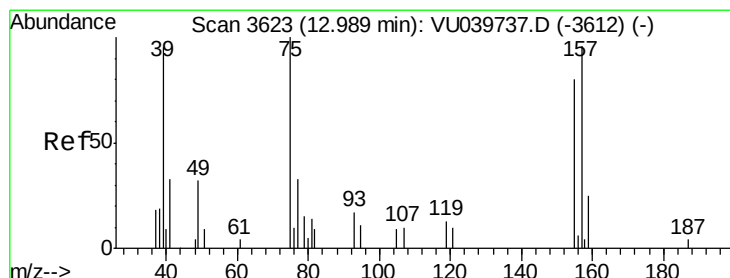
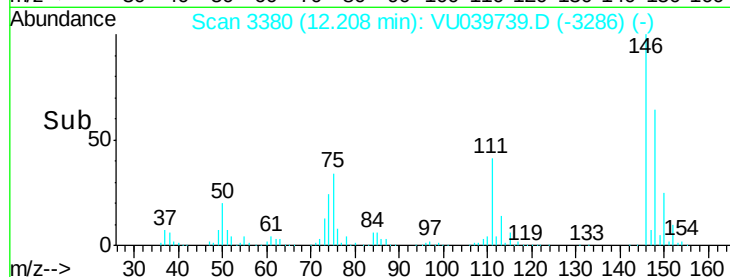
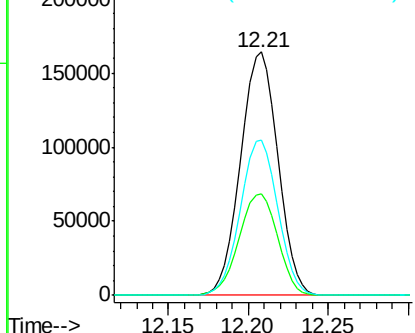
#65
 1,2-Dichlorobenzene
 Concen: 20.881 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 146 Resp: 261407
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.1 49.7
 148 63.7 51.5 77.3

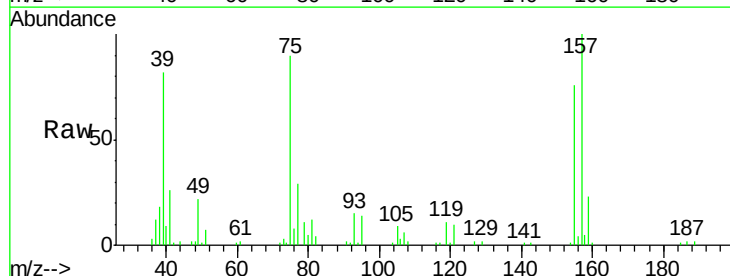


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

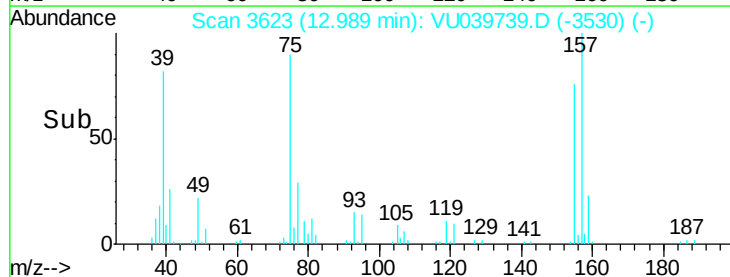
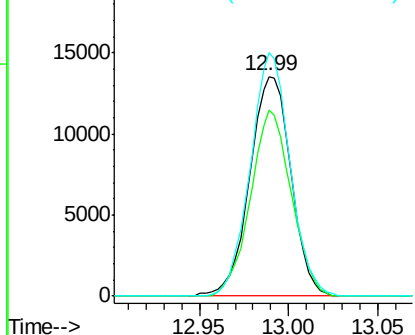


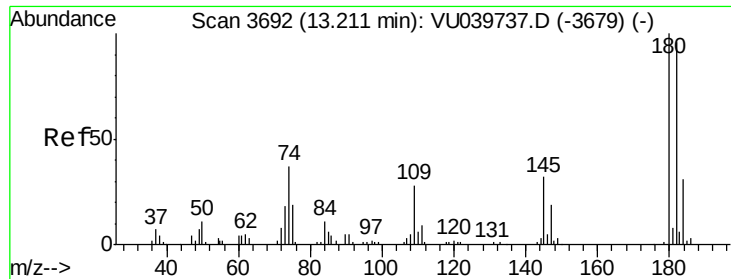
#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.708 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Tgt Ion: 75 Resp: 21909
 Ion Ratio Lower Upper
 75 100
 155 84.5 64.0 96.0
 157 110.9 77.0 115.6



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

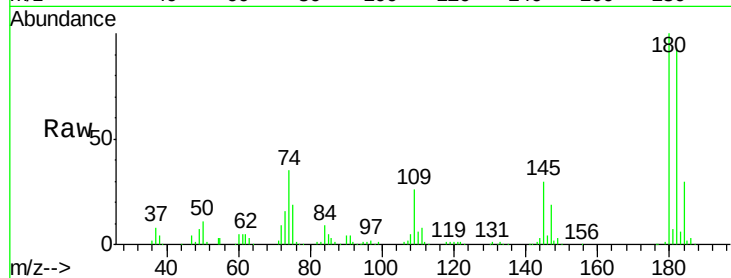




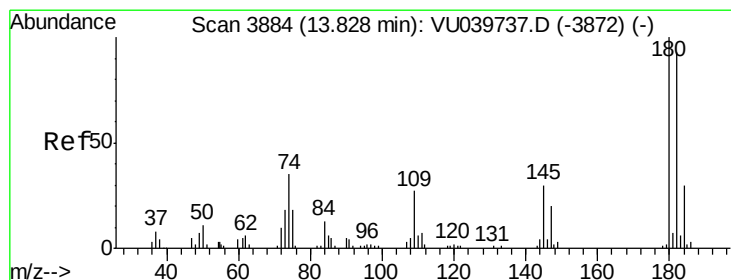
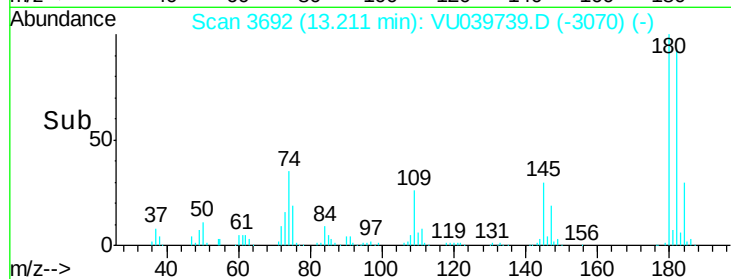
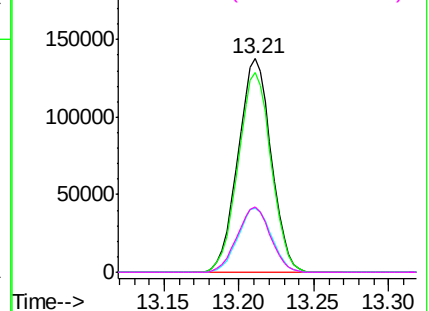
#67
 1,3,5-Trichlorobenzene
 Concen: 22.808 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion:180 Resp: 211977
 Ion Ratio Lower Upper
 180 100
 182 93.2 74.9 112.3
 184 30.3 25.3 37.9
 145 30.6 25.0 37.6

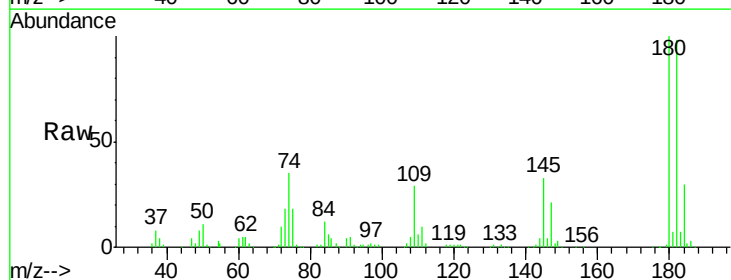


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

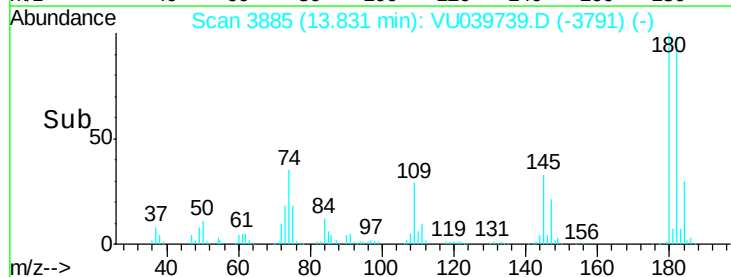
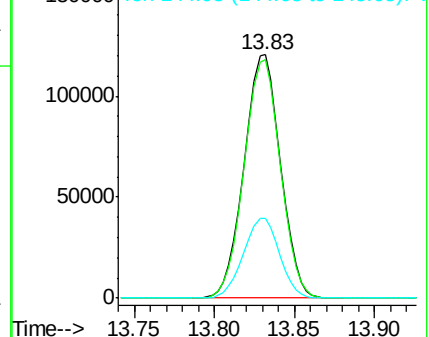


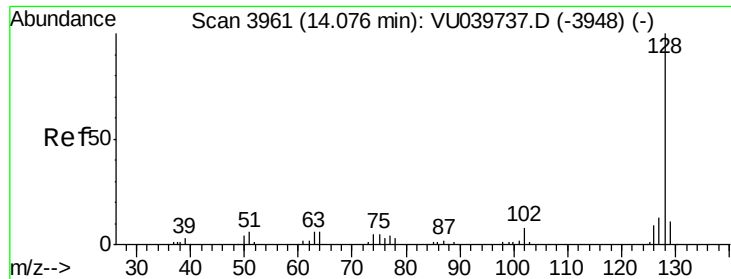
#68
 1,2,4-trichlorobenzene
 Concen: 23.978 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039739.D
 Acq: 03 Aug 2020 14:50

Tgt Ion:180 Resp: 186574
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.7 113.5
 145 32.4 25.1 37.7



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: 28.193 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

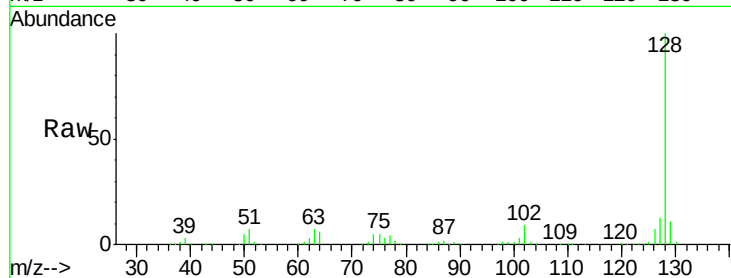
Tgt Ion:128 Resp: 376561

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

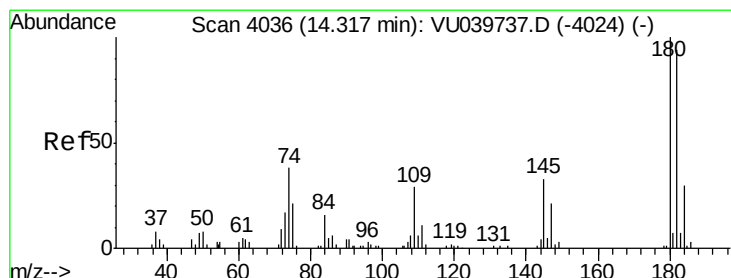
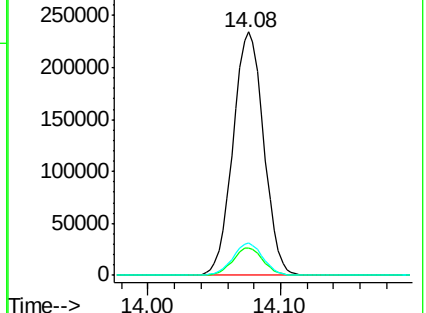
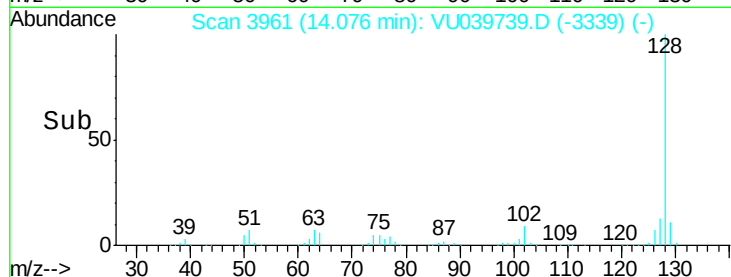
127 13.1 10.1 15.1



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: 24.645 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039739.D

Acq: 03 Aug 2020 14:50

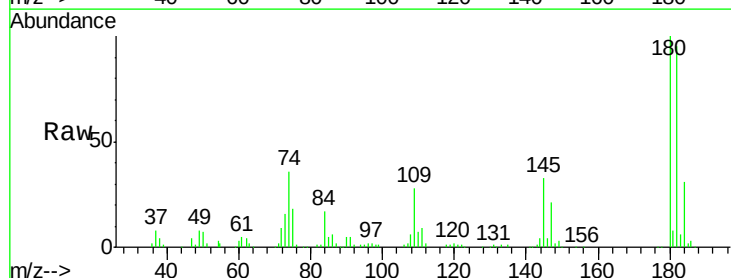
Tgt Ion:180 Resp: 172822

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 33.5 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

