

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080320\
 Data File : VU039738.D
 Acq On : 03 Aug 2020 14:26
 Operator : SY/MD
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Quant Time: Aug 03 17:32:32 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	83376	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	83199	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46002	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51325	12.70	ug/L	0.00
7) Chloroethane-d5	1.92	69	52776	12.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	99878	11.37	ug/L	0.00
20) 2-Butanone-d5	4.65	46	217449	121.15	ug/L	0.00
24) Chloroform-d	5.08	84	120079	11.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	70279	10.74	ug/L	0.00
32) Benzene-d6	5.74	84	213269	10.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	68606	10.30	ug/L	0.00
41) Toluene-d8	7.91	98	187964	9.92	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	29186	10.24	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	157723	111.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	70046	11.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	82436	9.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	65443	14.666	ug/L 100
3) Chloromethane	1.53	50	64746	13.381	ug/L 96
5) Vinyl chloride	1.61	62	69476	13.781	ug/L 94
6) Bromomethane	1.86	94	42784	13.181	ug/L 97
8) Chloroethane	1.94	64	45650	11.272	ug/L 98
9) Trichlorofluoromethane	2.15	101	105701	10.583	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55935	12.520	ug/L 98
12) 1,1-Dichloroethene	2.59	96	48918	12.043	ug/L 89
13) Acetone	2.65	43	108079	109.978	ug/L 99
14) Carbon disulfide	2.80	76	157843	12.885	ug/L 98
15) Methyl Acetate	2.96	43	28119	11.635	ug/L 95
16) Methylene chloride	3.06	84	61687	10.519	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	138614	11.119	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	54575	12.133	ug/L 97
19) 1,1-Dichloroethane	3.89	63	101129	11.246	ug/L 96
21) 2-Butanone	4.73	43	188675	111.110	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	61323	11.789	ug/L 94
23) Bromochloromethane	4.99	128	28993	11.804	ug/L 91
25) Chloroform	5.11	83	107909	10.521	ug/L 93
27) 1,2-Dichloroethane	5.81	62	77745	11.180	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	94283	10.667	ug/L 97
30) Cyclohexane	5.41	56	91233	11.555	ug/L 99
31) Carbon tetrachloride	5.54	117	84800	11.103	ug/L 98
33) Benzene	5.79	78	227944	11.197	ug/L 100
34) Trichloroethene	6.55	95	59528	10.672	ug/L 97
35) Methylcyclohexane	6.77	83	96049	11.551	ug/L 97
37) 1,2-Dichloropropane	6.80	63	59506	10.663	ug/L 99
38) Bromodichloromethane	7.11	83	79103	10.781	ug/L 99
39) cis-1,3-Dichloropropene	7.62	75	87910	11.031	ug/L 99
40) 4-Methyl-2-pentanone	7.80	43	470823	107.799	ug/L 100

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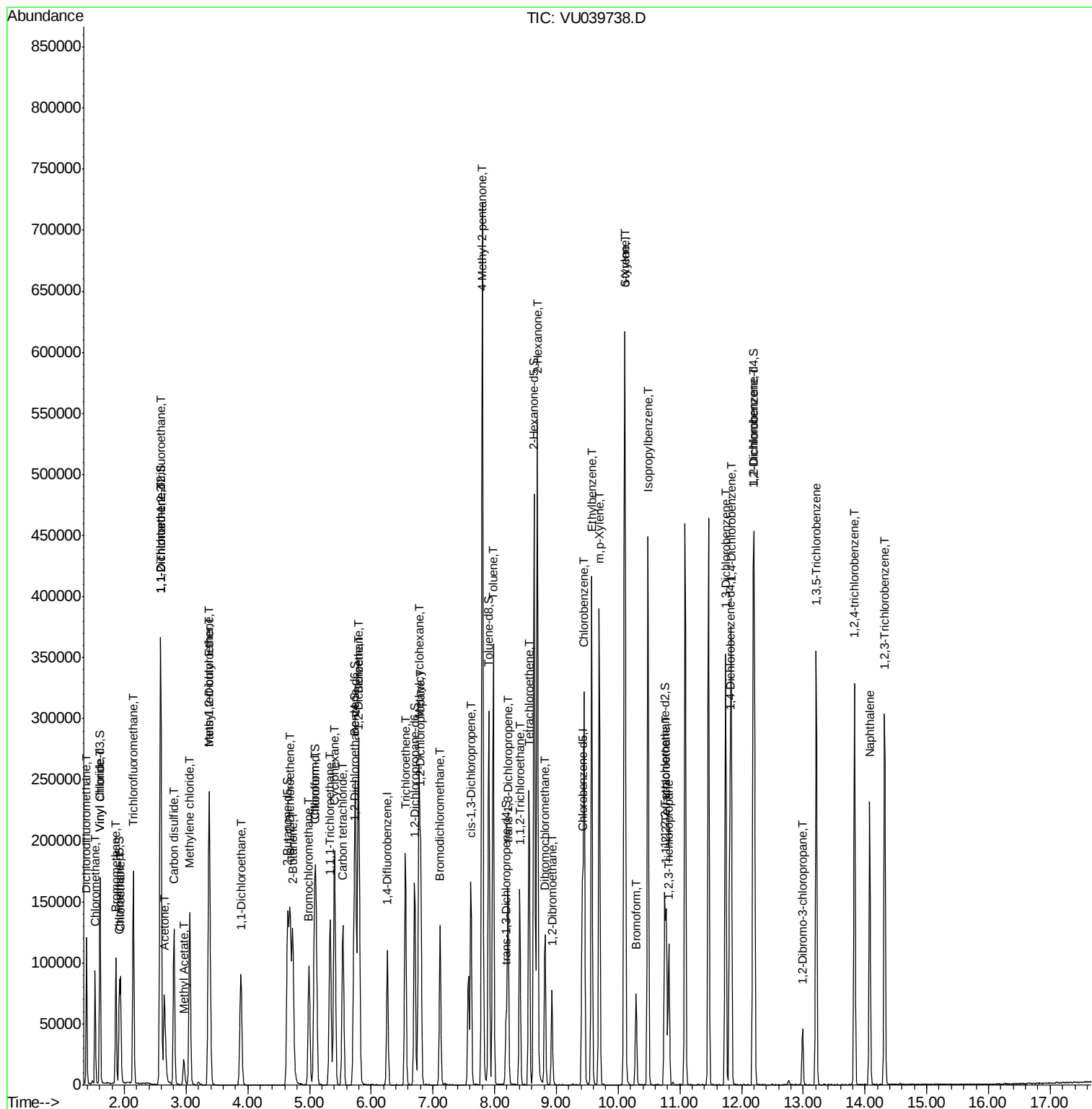
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	243348	11.057	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	79897	10.907	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	45482	10.508	ug/L	92
47) Tetrachloroethene	8.56	164	48509	12.492	ug/L	94
48) 2-Hexanone	8.69	43	337344	104.128	ug/L	100
49) Dibromochloromethane	8.82	129	58144	11.143	ug/L	96
50) 1,2-Dibromoethane	8.93	107	45893	10.854	ug/L	94
51) Chlorobenzene	9.45	112	157993	11.045	ug/L	98
52) Ethylbenzene	9.57	91	274954	10.980	ug/L	99
53) m,p-Xylene	9.69	106	107688	11.400	ug/L	97
54) o-Xylene	10.10	106	102768	11.126	ug/L	91
55) Styrene	10.11	104	177922	11.545	ug/L	98
56) Isopropylbenzene	10.48	105	279448	11.195	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	62458	11.259	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	43023	10.470	ug/L	96
61) Bromoform	10.29	173	31506	9.813	ug/L	92
62) 1,3-Dichlorobenzene	11.74	146	133455	10.596	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	138870	10.815	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	130298	10.694	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	10512	11.687	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	103488	11.440	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	89440	11.810	ug/L	99
69) Naphthalene	14.08	128	177861	13.681	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	84206	12.337	ug/L	99

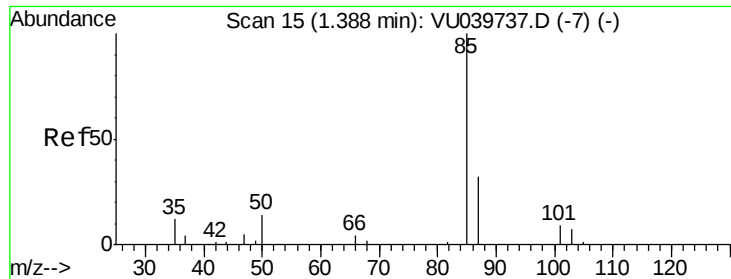
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_U\DATA\VU080320\  
Data File : VU039738.D  
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#2

Dichlorodifluoromethane

Concen: 14.666 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

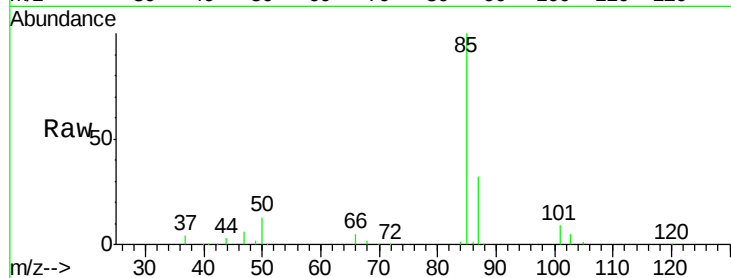
VSTD01004

Tgt Ion: 85 Resp: 65443

Ion Ratio Lower Upper

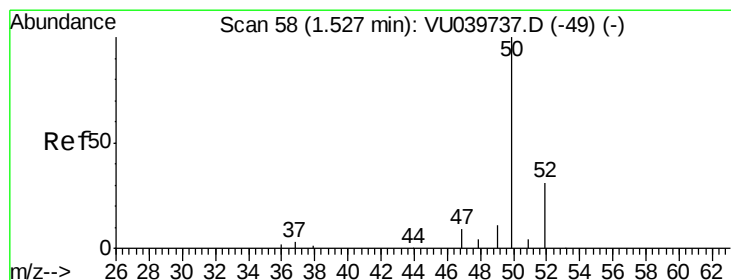
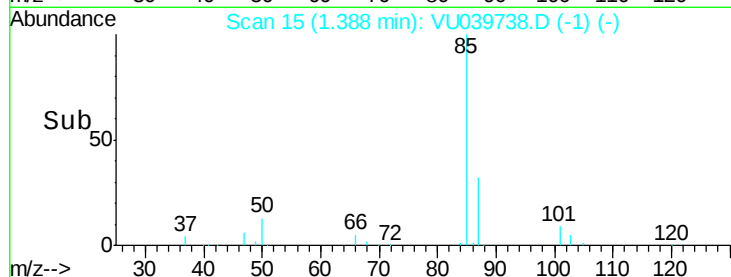
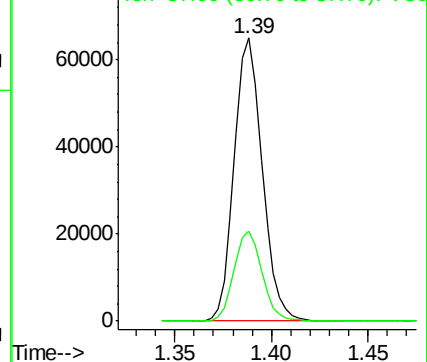
85 100

87 31.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 13.381 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039738.D

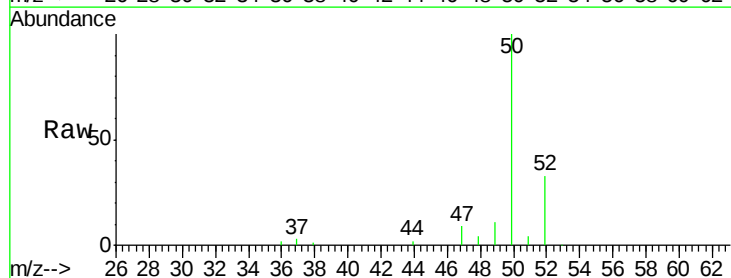
Acq: 03 Aug 2020 14:26

Tgt Ion: 50 Resp: 64746

Ion Ratio Lower Upper

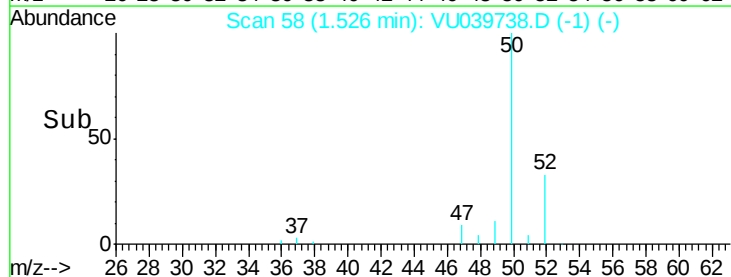
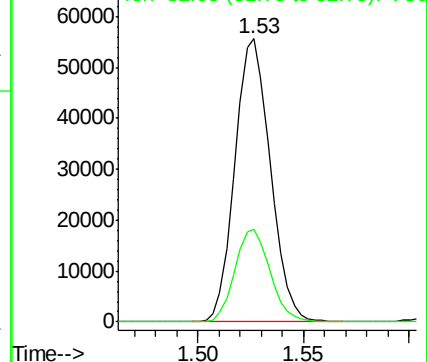
50 100

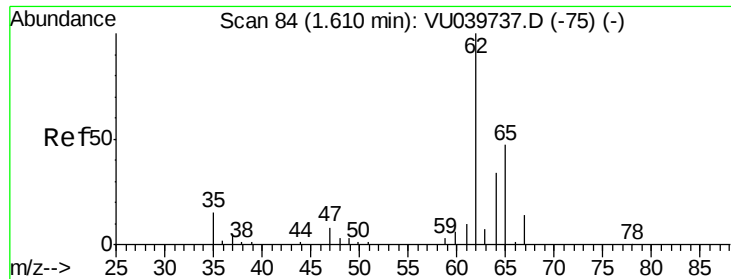
52 32.7 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 13.781 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

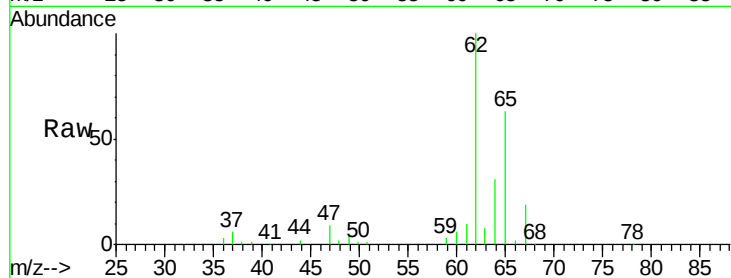
VSTD01004

Tgt Ion: 62 Resp: 69476

Ion Ratio Lower Upper

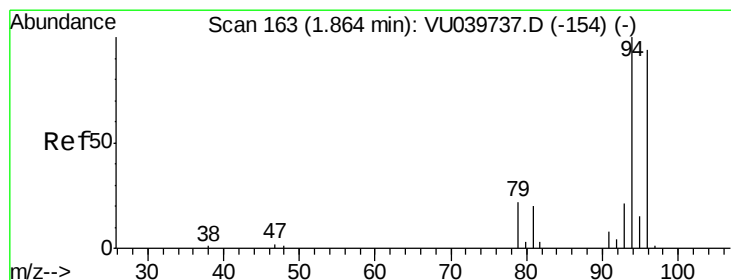
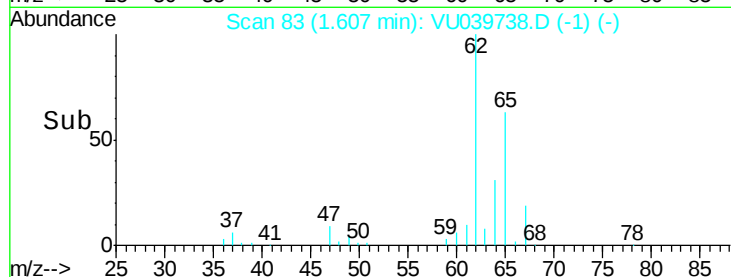
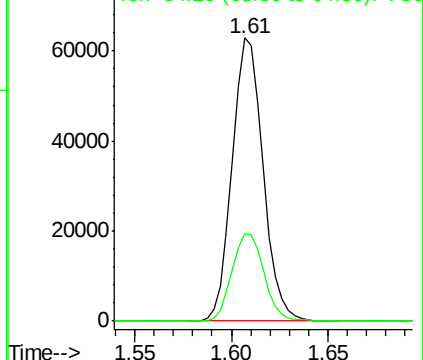
62 100

64 30.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 13.181 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039738.D

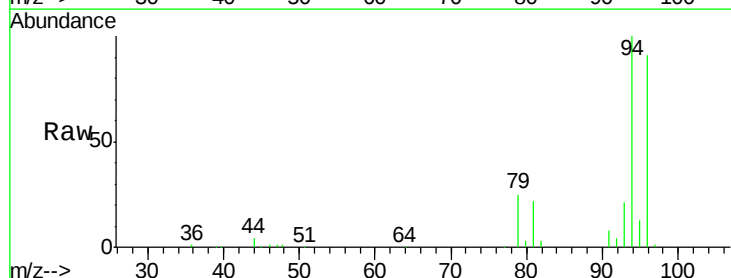
Acq: 03 Aug 2020 14:26

Tgt Ion: 94 Resp: 42784

Ion Ratio Lower Upper

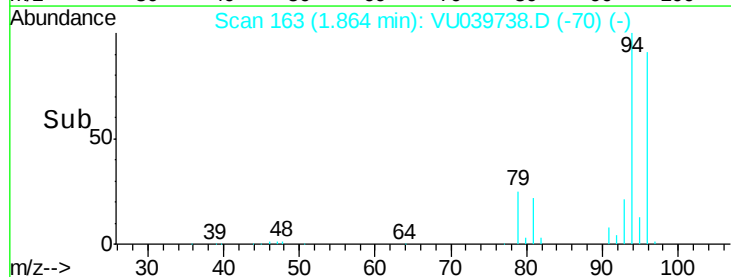
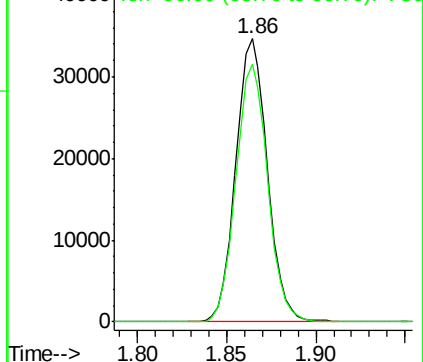
94 100

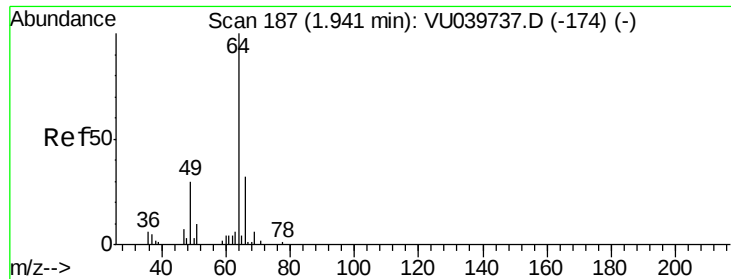
96 91.1 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

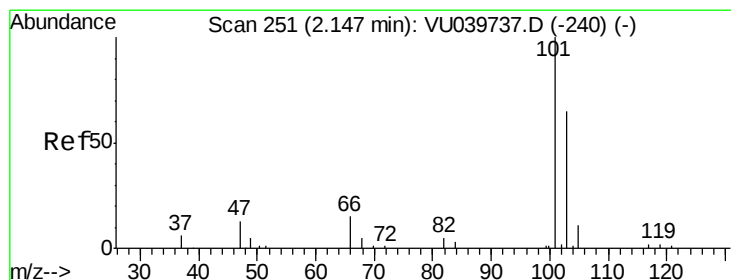
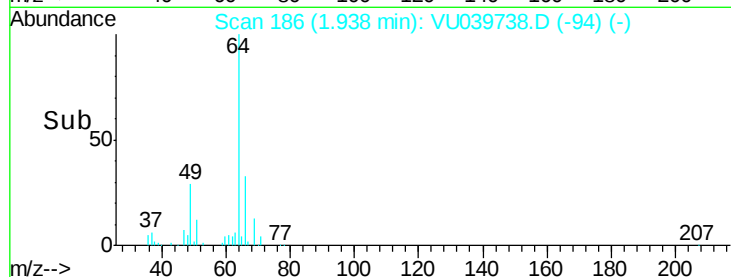
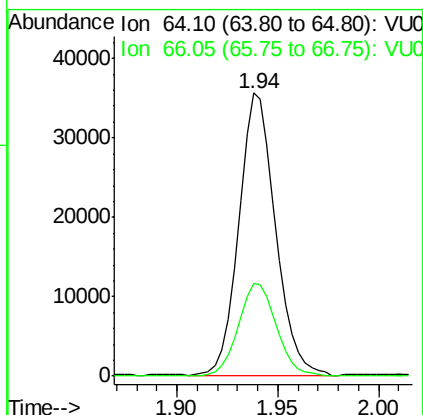
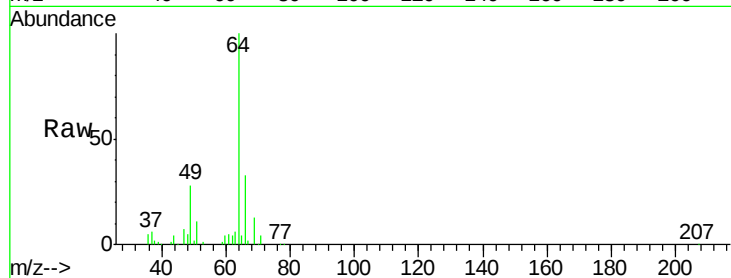




#8
Chloroethane
Concen: 11.272 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

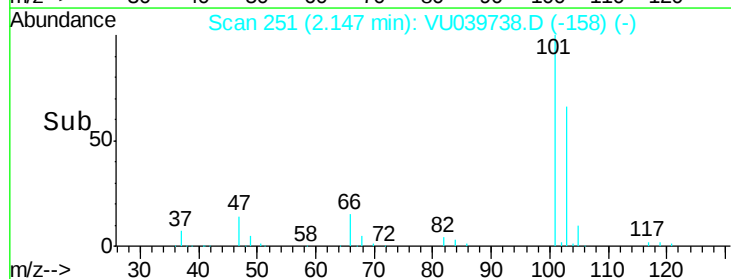
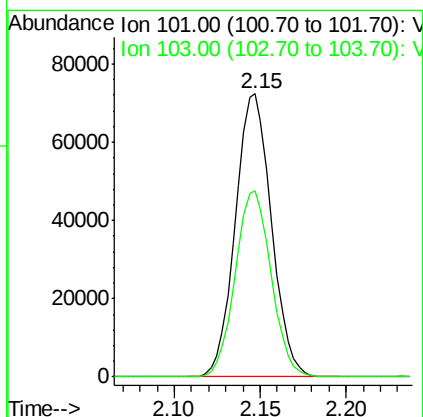
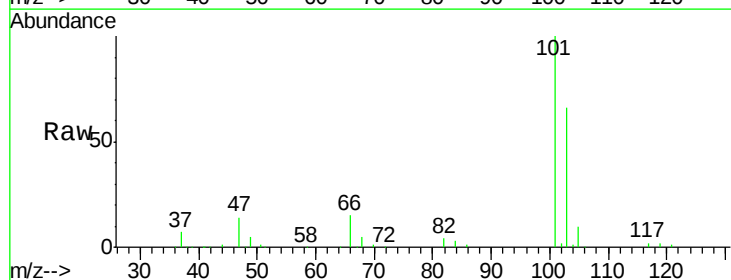
Instrument :
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ClientSampleId :
VSTD01004

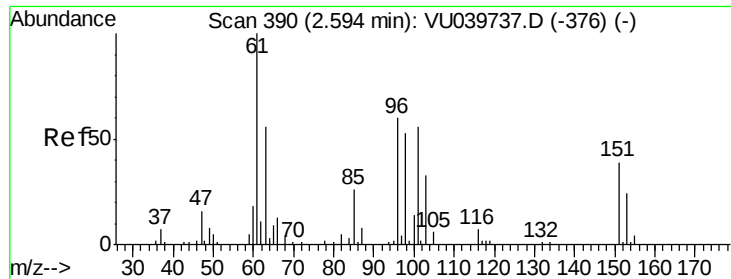
Tgt Ion: 64 Resp: 45650
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 10.583 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Tgt Ion: 101 Resp: 105701
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2





#10

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

Concen: 12.520 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

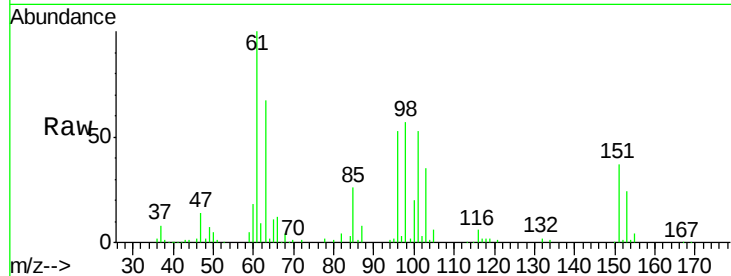
Tgt Ion:101 Resp: 55935

Ion Ratio Lower Upper

101 100

85 46.5 37.9 56.9

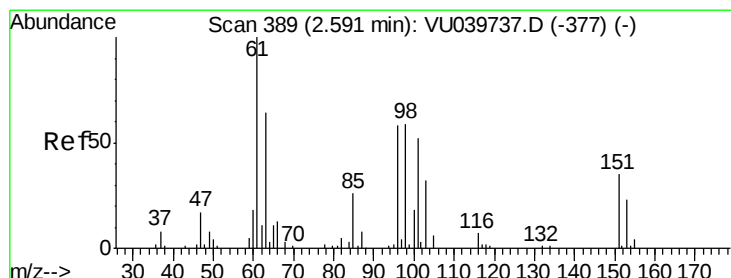
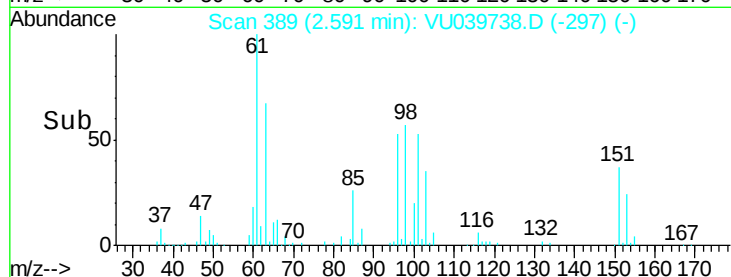
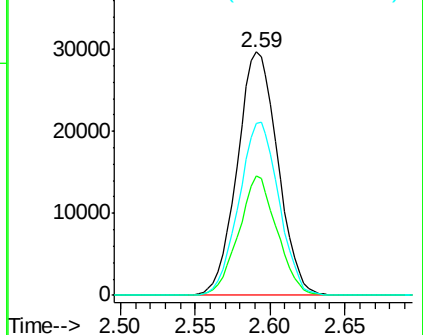
151 70.0 54.7 82.1



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: 12.043 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

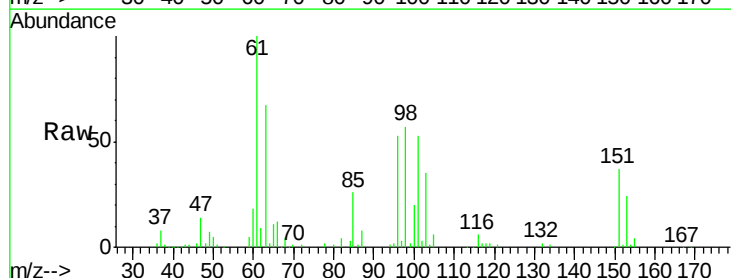
Tgt Ion: 96 Resp: 48918

Ion Ratio Lower Upper

96 100

61 189.7 121.7 225.9

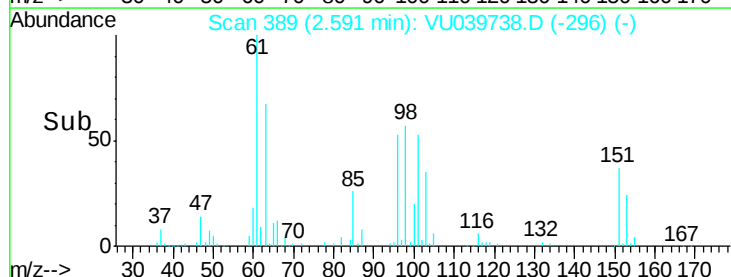
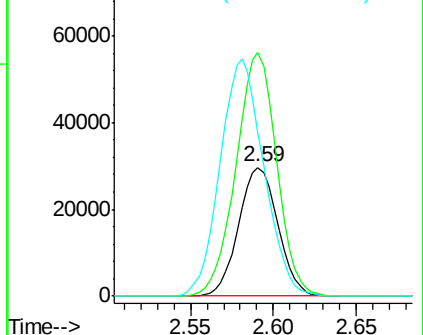
63 127.6 82.1 152.5

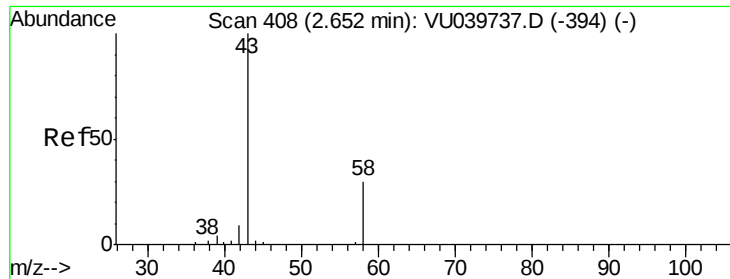


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.978 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

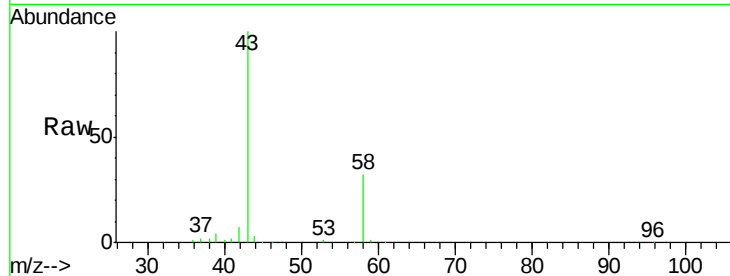
VSTD01004

Tgt Ion: 43 Resp: 108079

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039738.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU039738.D (-315) (-)

2.65

50000

40000

30000

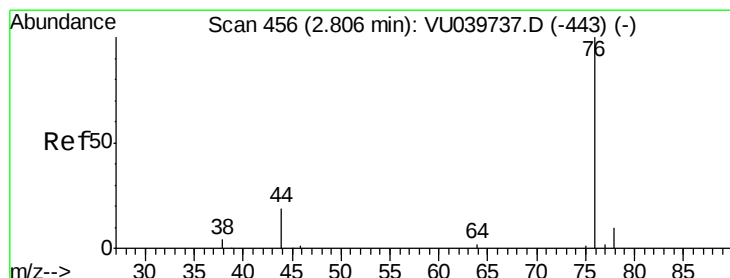
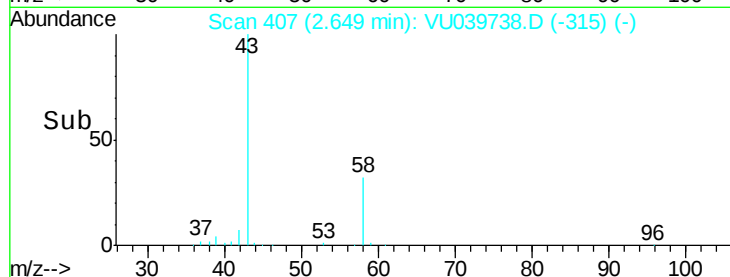
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 12.885 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU039738.D

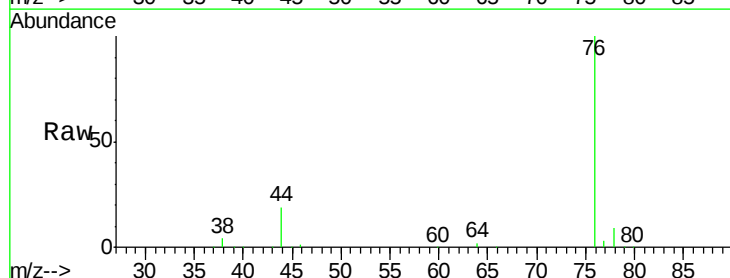
Acq: 03 Aug 2020 14:26

Tgt Ion: 76 Resp: 157843

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VU039738.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039738.D (-363) (-)

2.80

100000

80000

60000

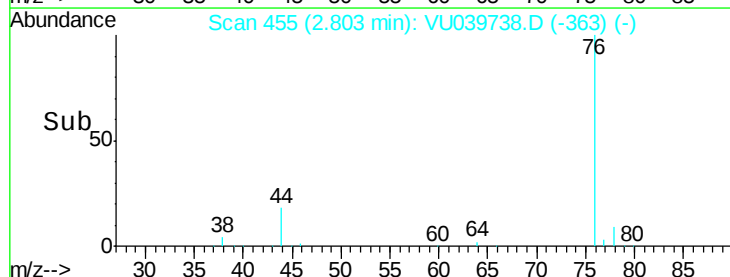
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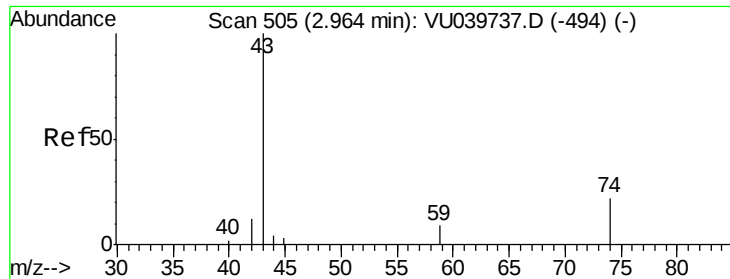
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 11.635 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

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ClientSampleId :

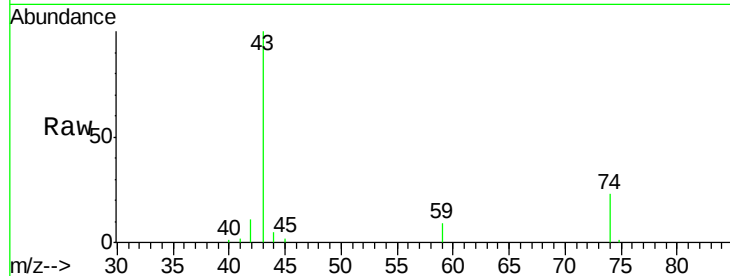
VSTD01004

Tgt Ion: 43 Resp: 28119

Ion Ratio Lower Upper

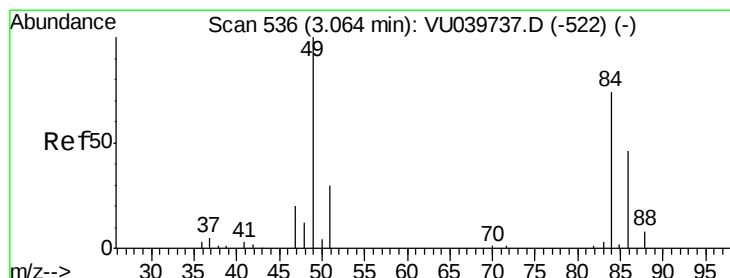
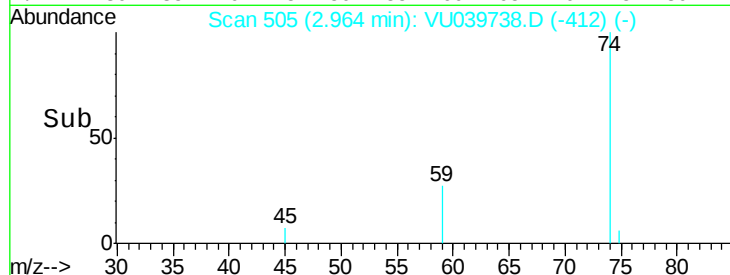
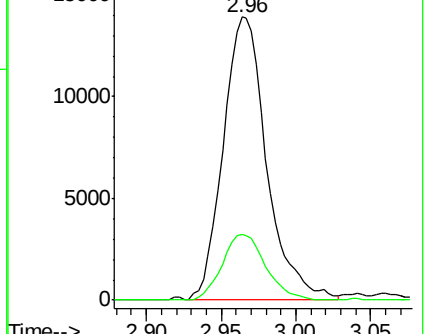
43 100

74 23.2 16.6 25.0



Abundance Ion 43.05 (42.75 to 43.75): VU039738.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039738.D (-494) (-)



#16

Methylene chloride

Concen: 10.519 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

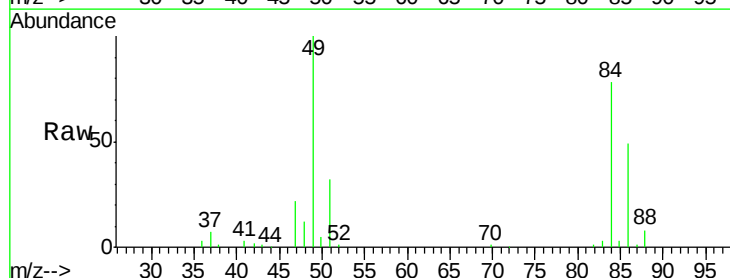
Tgt Ion: 84 Resp: 61687

Ion Ratio Lower Upper

84 100

86 62.8 43.9 81.5

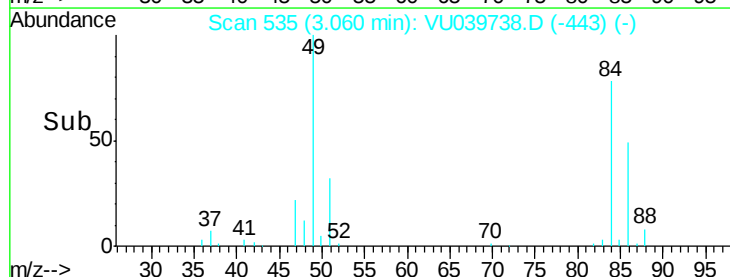
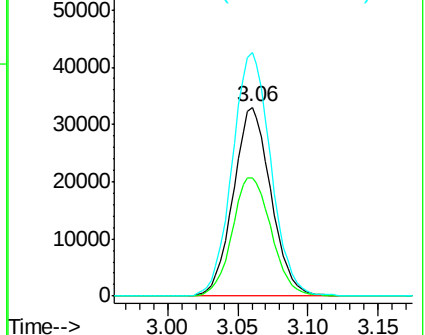
49 128.8 94.4 175.4

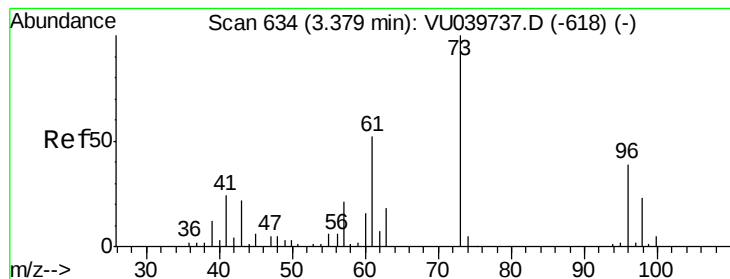


Abundance Ion 84.05 (83.75 to 84.75): VU039738.D (-522) (-)

Ion 86.00 (85.70 to 86.70): VU039738.D (-522) (-)

Ion 49.10 (48.80 to 49.80): VU039738.D (-522) (-)



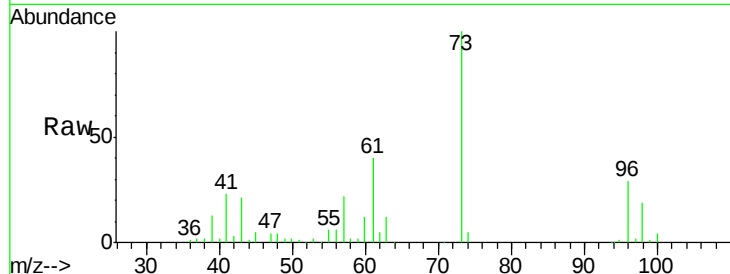


#17

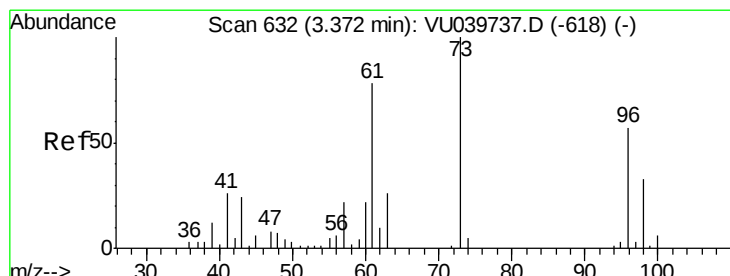
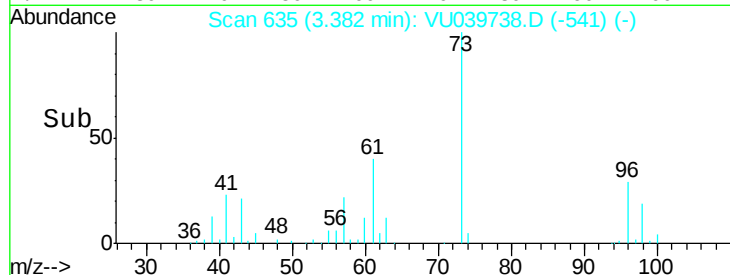
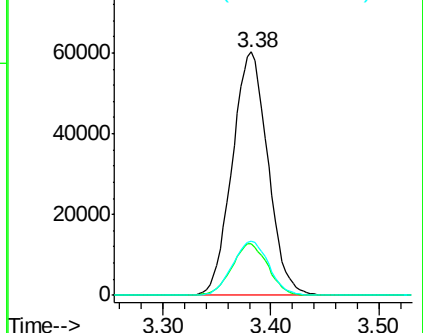
Methyl tert-butyl Ether
 Concen: 11.119 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion: 73 Resp: 138614
 Ion Ratio Lower Upper
 73 100
 43 21.5 18.2 27.4
 57 22.7 17.8 26.8



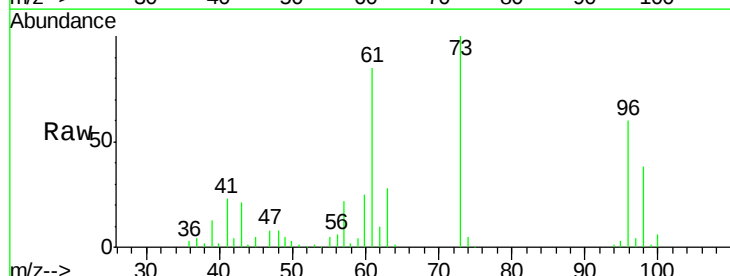
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



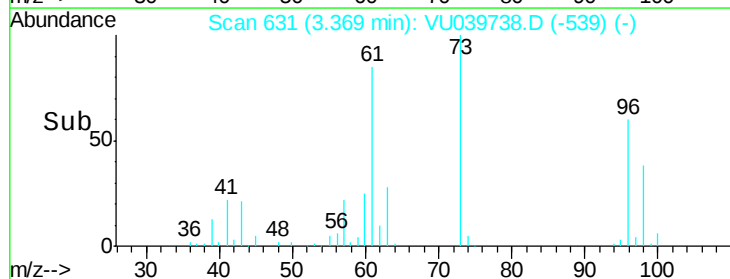
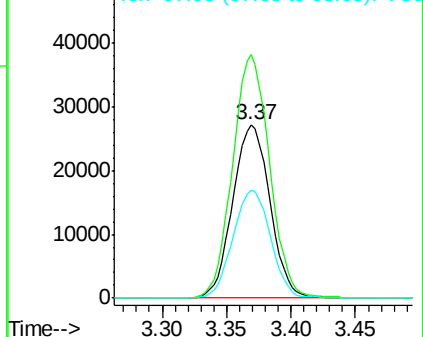
#18

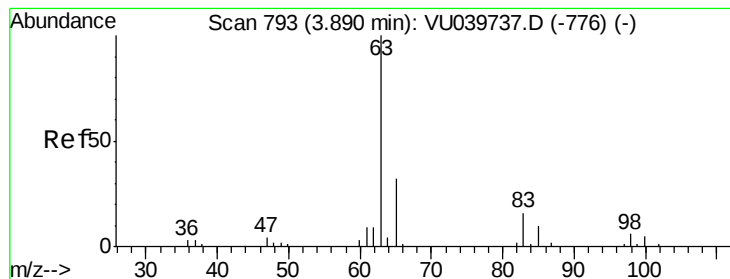
trans-1,2-Dichloroethene
 Concen: 12.133 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion: 96 Resp: 54575
 Ion Ratio Lower Upper
 96 100
 61 140.3 96.5 179.1
 98 62.2 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: 11.246 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

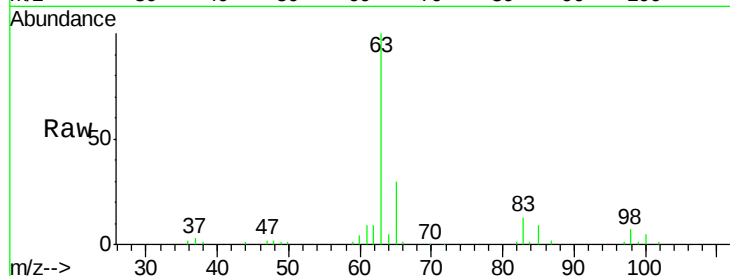
Tgt Ion: 63 Resp: 101129

Ion Ratio Lower Upper

63 100

65 30.0 22.0 41.0

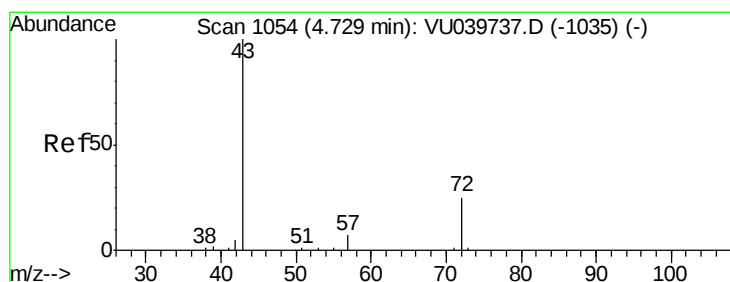
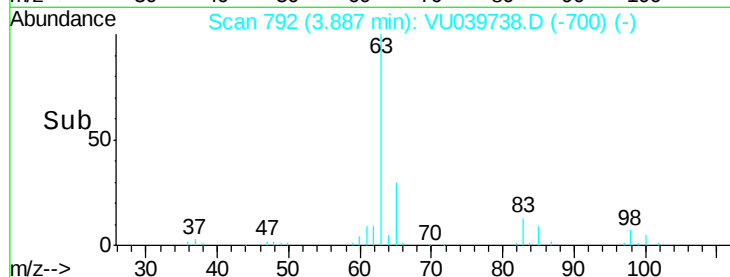
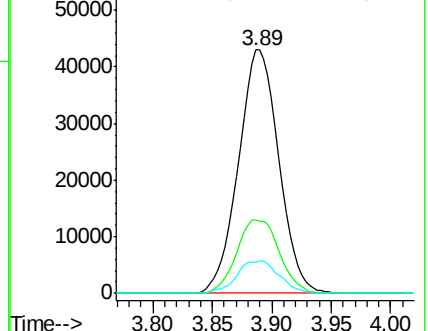
83 12.9 10.9 20.2



Abundance Ion 63.10 (62.80 to 63.80): VU039737.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU039737.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU039737.D (-776) (-)



#21

2-Butanone

Concen: 111.110 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VU039738.D

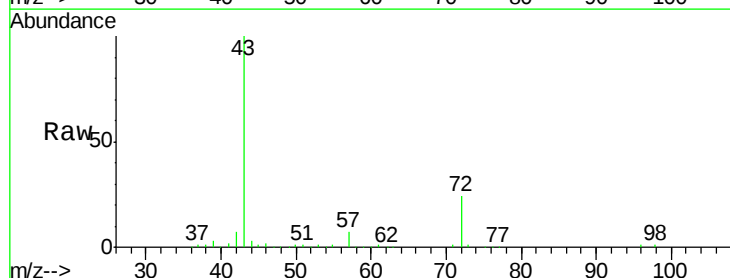
Acq: 03 Aug 2020 14:26

Tgt Ion: 43 Resp: 188675

Ion Ratio Lower Upper

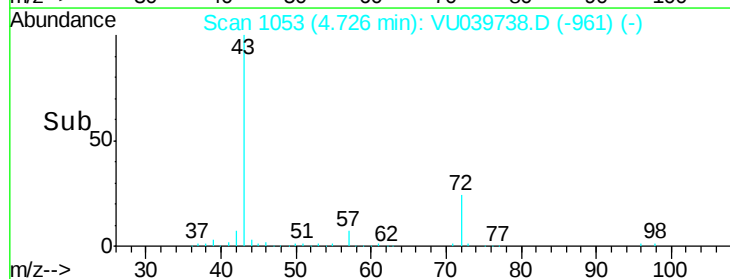
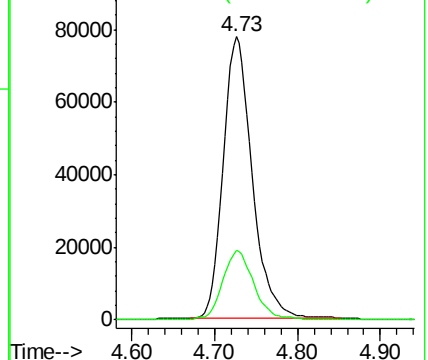
43 100

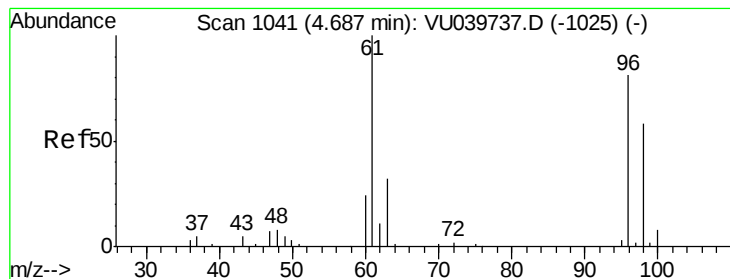
72 26.5 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039737.D (-1035) (-)

Ion 72.10 (71.80 to 72.80): VU039737.D (-1035) (-)





#22

cis-1,2-Dichloroethene

Concen: 11.789 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

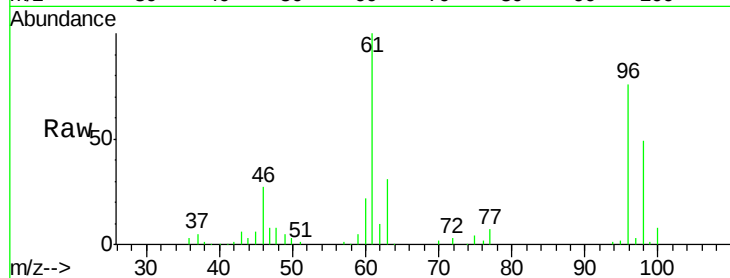
Tgt Ion: 96 Resp: 61323

Ion Ratio Lower Upper

96 100

61 131.4 87.4 162.2

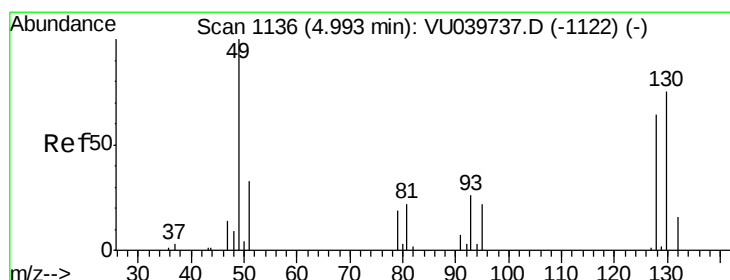
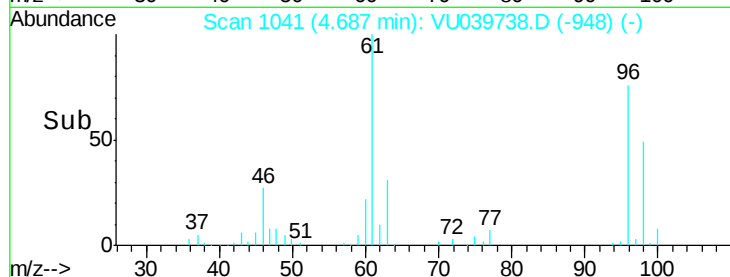
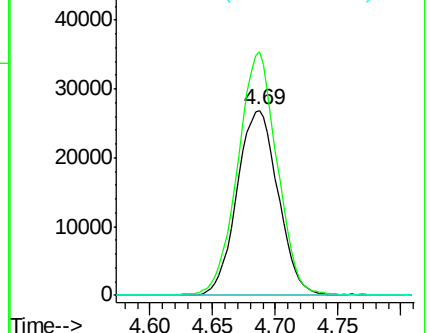
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039738.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU039738.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU039738.D (-1025) (-)



#23

Bromochloromethane

Concen: 11.804 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Tgt Ion: 128 Resp: 28993

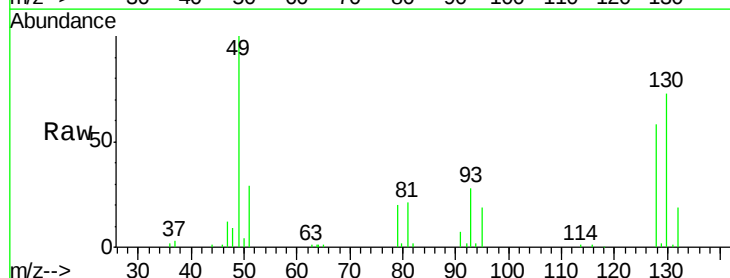
Ion Ratio Lower Upper

128 100

49 172.9 110.3 204.9

130 127.1 82.0 152.4

51 50.5 40.8 61.2

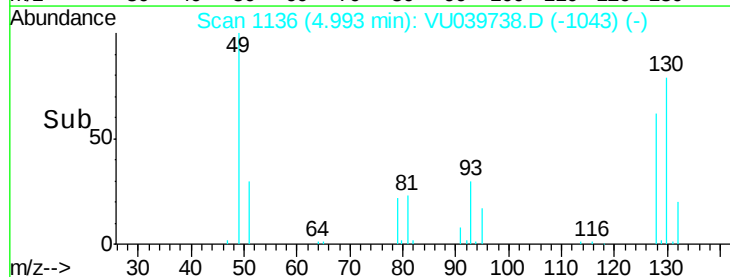
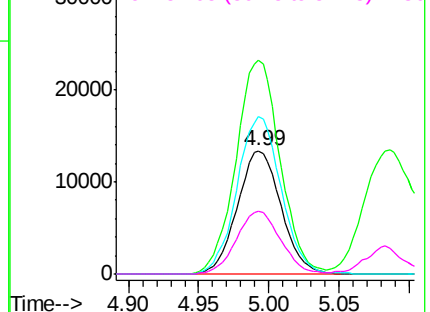


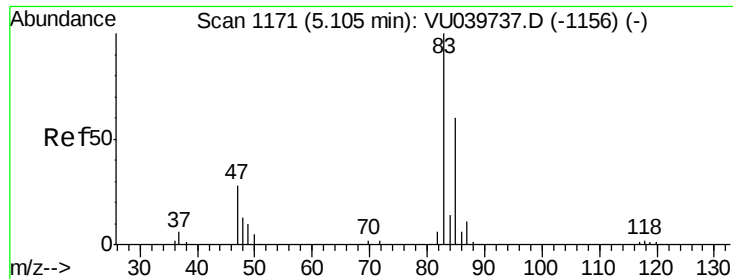
Abundance Ion 127.90 (127.60 to 128.60): VU039738.D (-1122) (-)

Ion 49.10 (48.80 to 49.80): VU039738.D (-1122) (-)

Ion 129.95 (129.65 to 130.65): VU039738.D (-1122) (-)

Ion 51.05 (50.75 to 51.75): VU039738.D (-1122) (-)

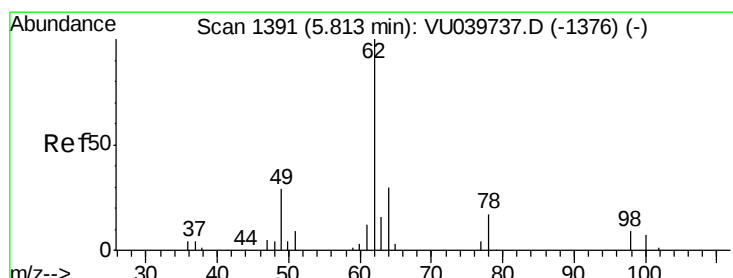
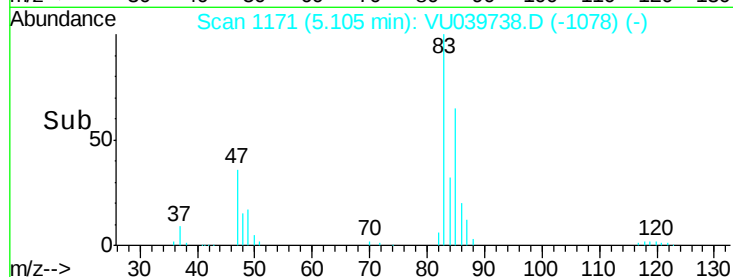
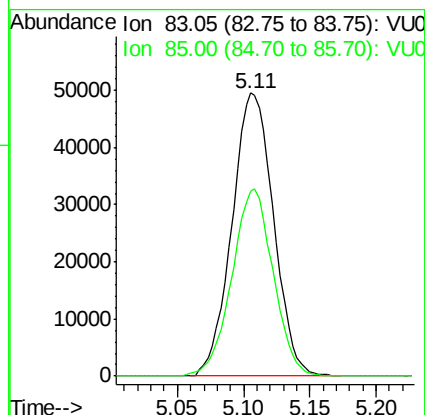
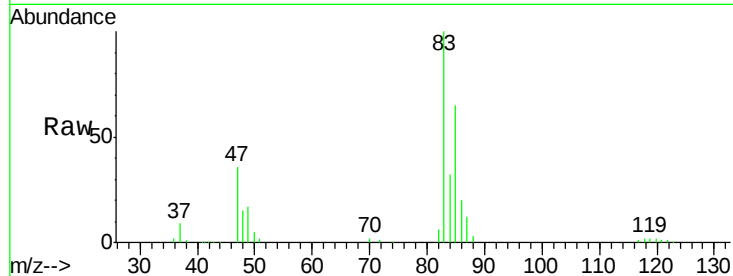




#25
Chloroform
Concen: 10.521 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

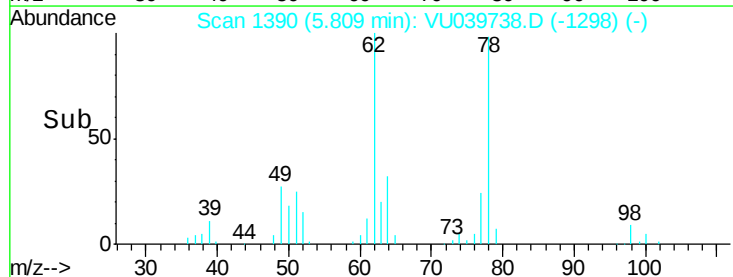
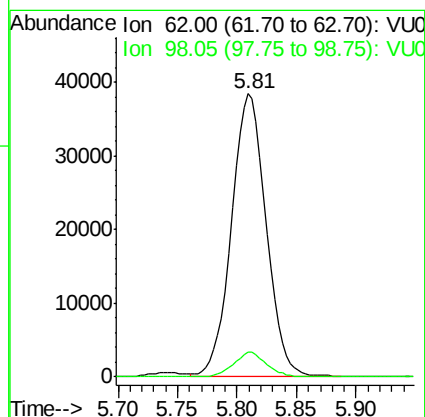
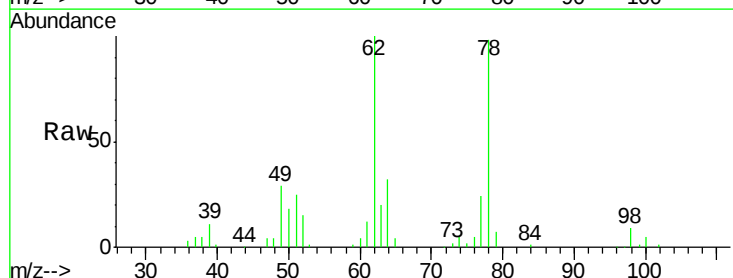
Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

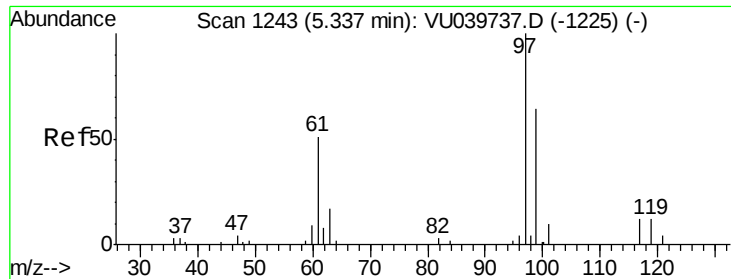
Tgt Ion: 83 Resp: 107909
Ion Ratio Lower Upper
83 100
85 65.4 42.1 78.3



#27
1,2-Dichloroethane
Concen: 11.180 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Tgt Ion: 62 Resp: 77745
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9

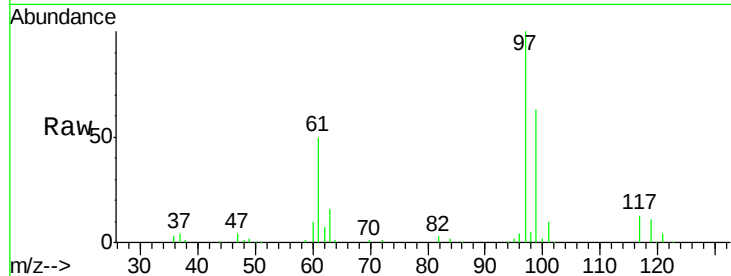




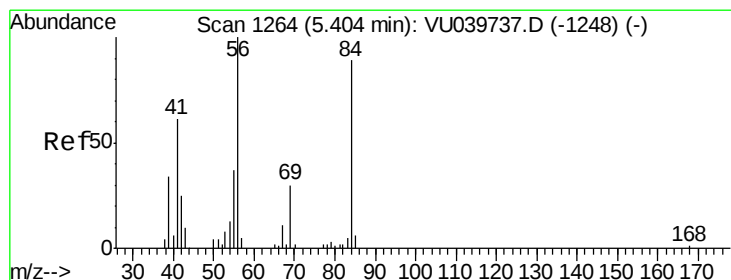
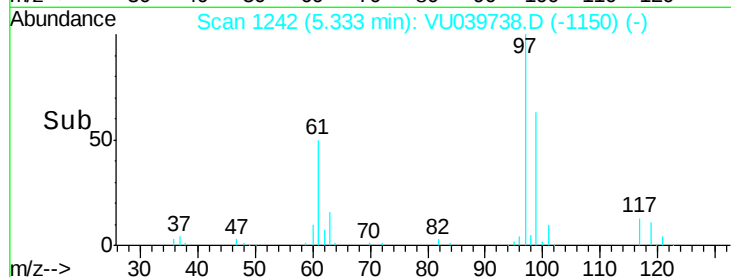
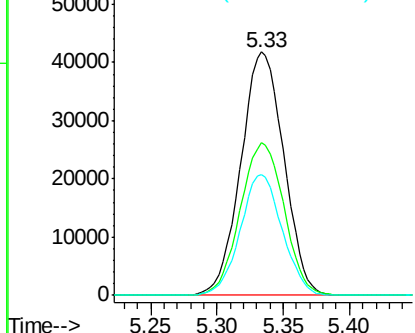
#29
 1,1,1-Trichloroethane
 Concen: 10.667 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion: 97 Resp: 94283
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.8 79.2
 61 48.4 40.5 60.7

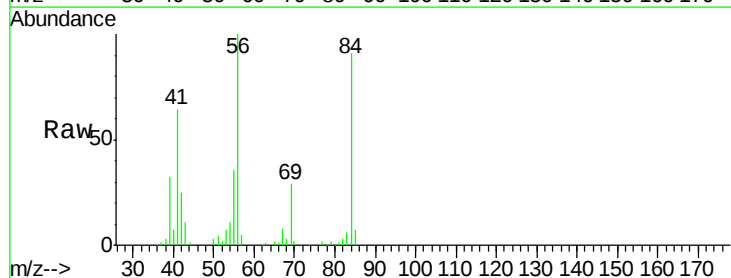


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

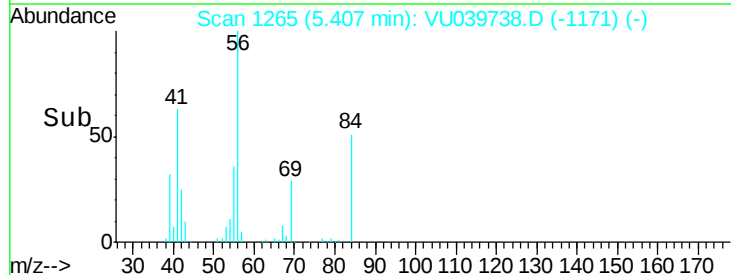
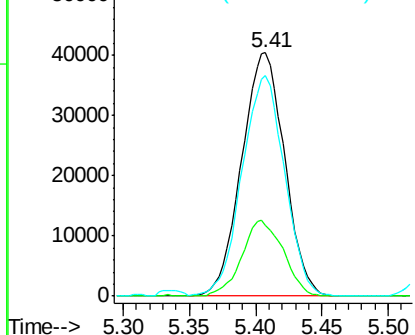


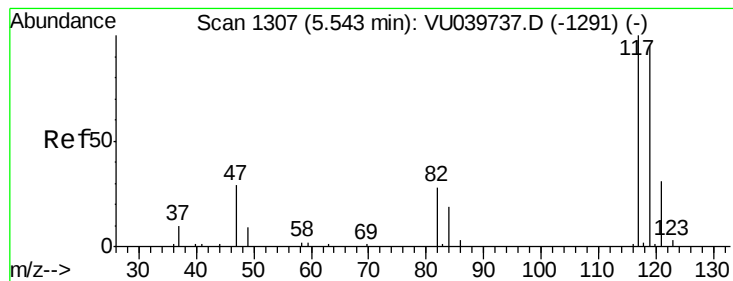
#30
 Cyclohexane
 Concen: 11.555 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion: 56 Resp: 91233
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.4 36.6
 84 89.9 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: 11.103 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

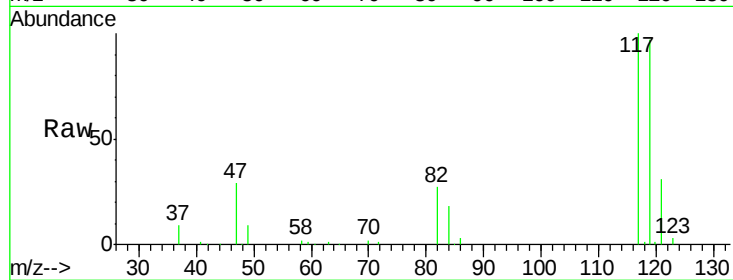
VSTD01004

Tgt Ion:117 Resp: 84800

Ion Ratio Lower Upper

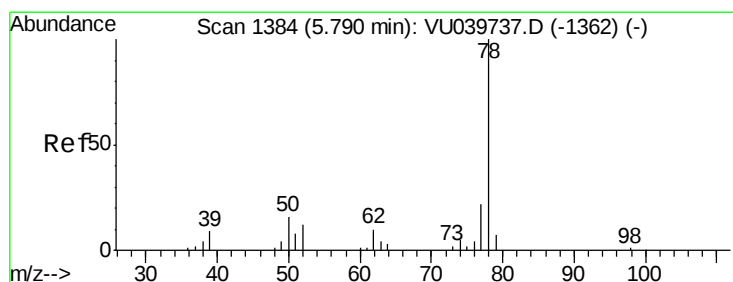
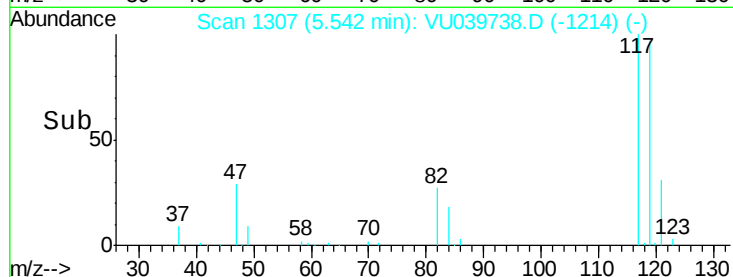
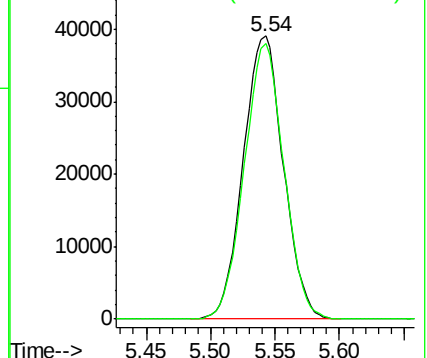
117 100

119 96.3 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: 11.197 ug/L

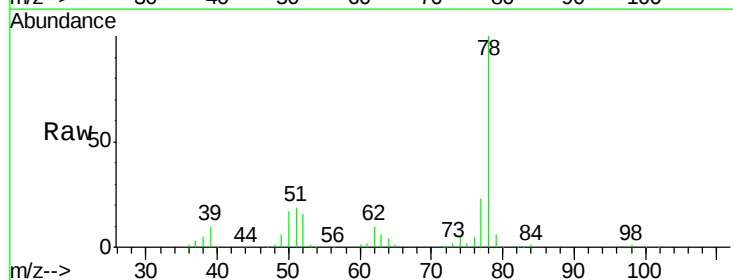
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

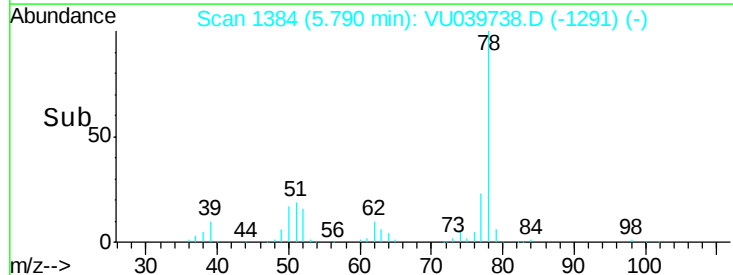
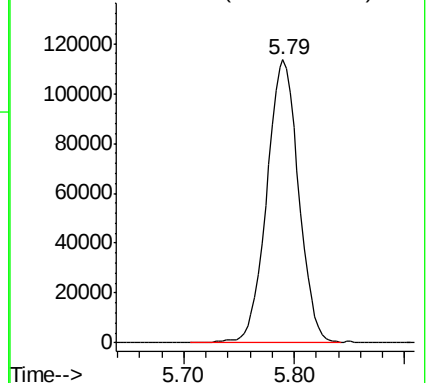
Lab File: VU039738.D

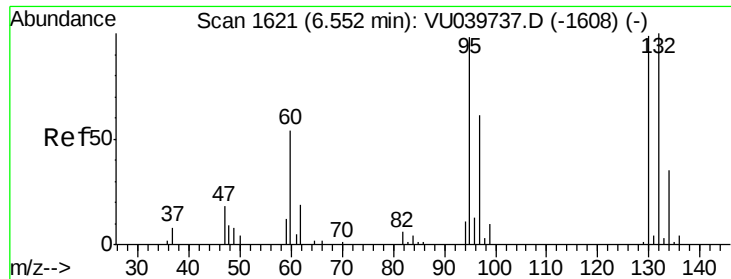
Acq: 03 Aug 2020 14:26

Tgt Ion: 78 Resp: 227944



Abundance Ion 78.10 (77.80 to 78.80): VU0

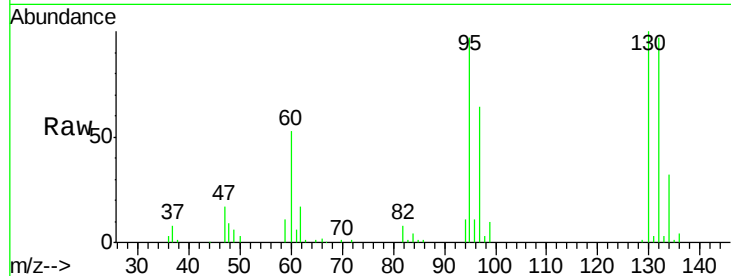




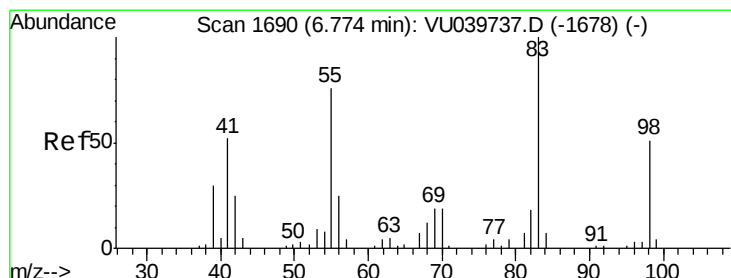
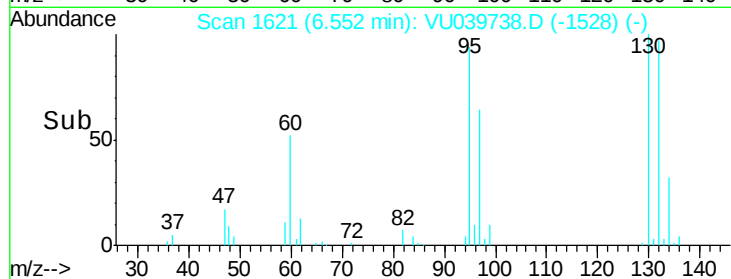
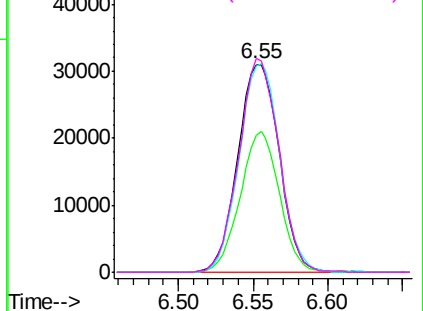
#34
 Trichloroethene
 Concen: 10.672 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion: 95 Resp: 59528
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.0 81.8
 132 99.4 71.7 133.3
 130 103.0 71.1 132.1

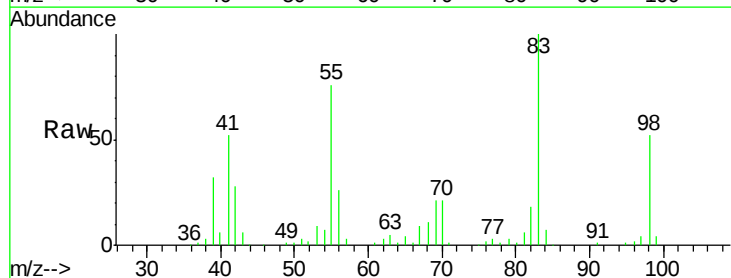


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

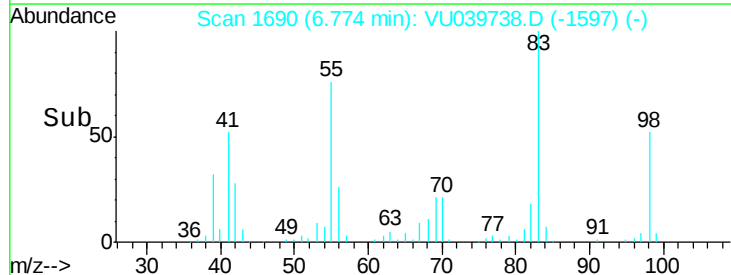
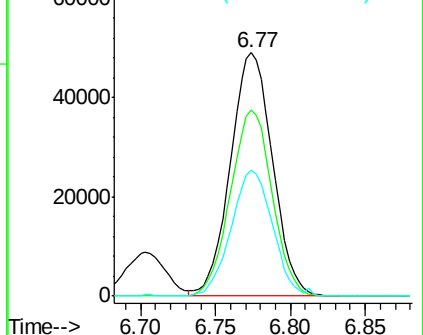


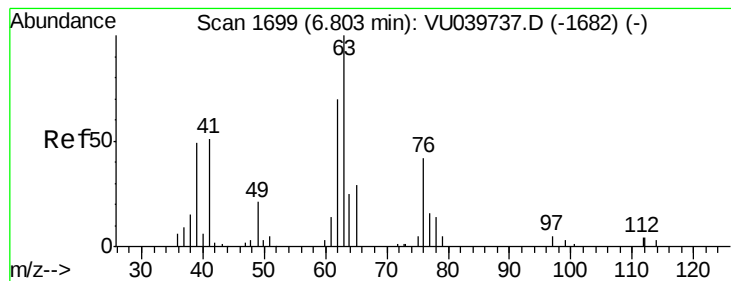
#35
 Methylcyclohexane
 Concen: 11.551 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion: 83 Resp: 96049
 Ion Ratio Lower Upper
 83 100
 55 75.9 59.4 89.0
 98 50.9 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: 10.663 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

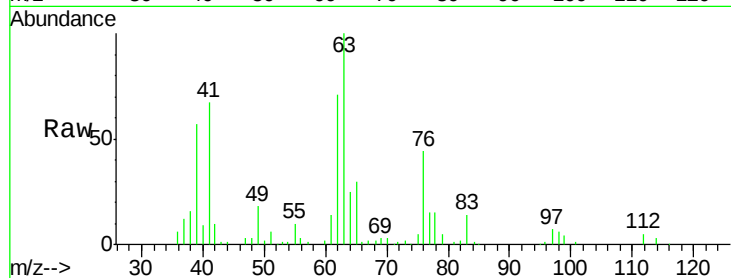
VSTD01004

Tgt Ion: 63 Resp: 59506

Ion Ratio Lower Upper

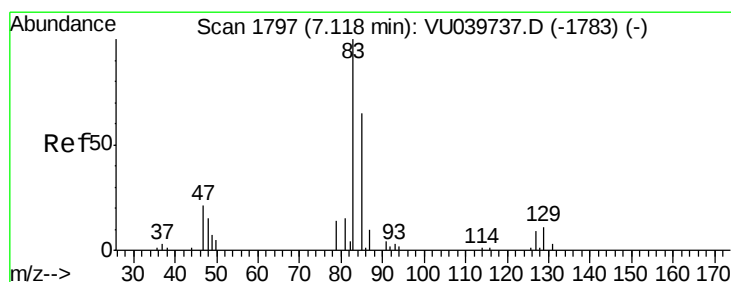
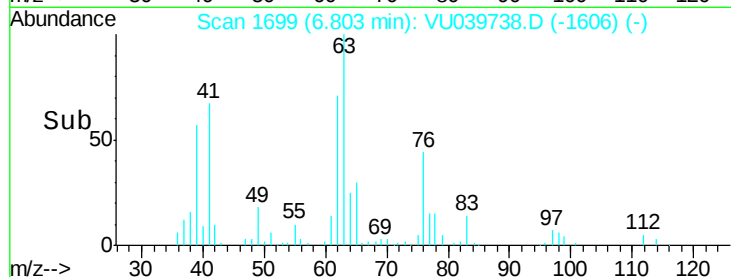
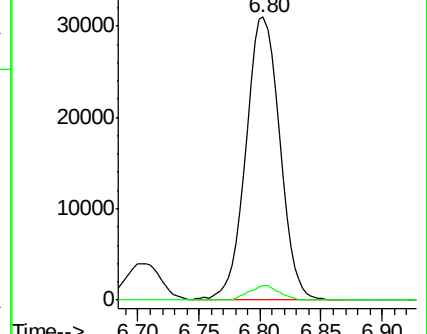
63 100

112 4.5 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VU039738.D (-1682) (-)

Ion 112.10 (111.80 to 112.80): VU039738.D (-1682) (-)



#38

Bromodichloromethane

Concen: 10.781 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

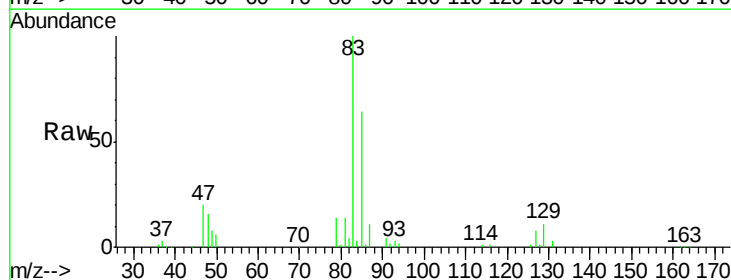
Tgt Ion: 83 Resp: 79103

Ion Ratio Lower Upper

83 100

85 63.8 45.3 84.1

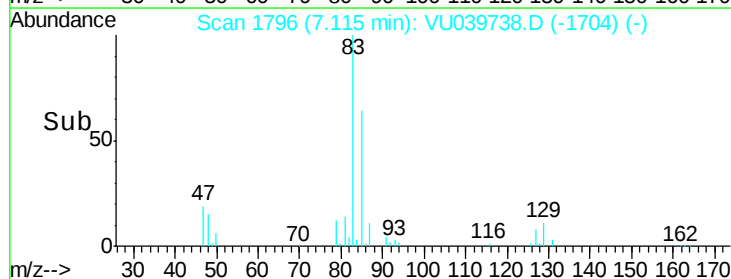
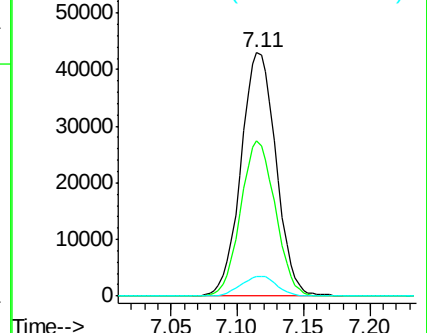
127 8.3 7.5 11.3

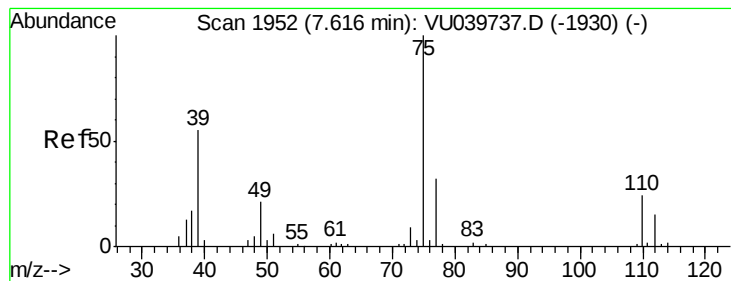


Abundance Ion 82.95 (82.65 to 83.65): VU039738.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039738.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039738.D (-1783) (-)





#39

cis-1,3-Dichloropropene

Concen: 11.031 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampled :

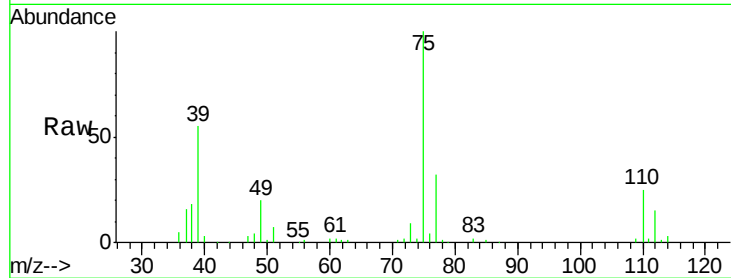
VSTD01004

Tgt Ion: 75 Resp: 87910

Ion Ratio Lower Upper

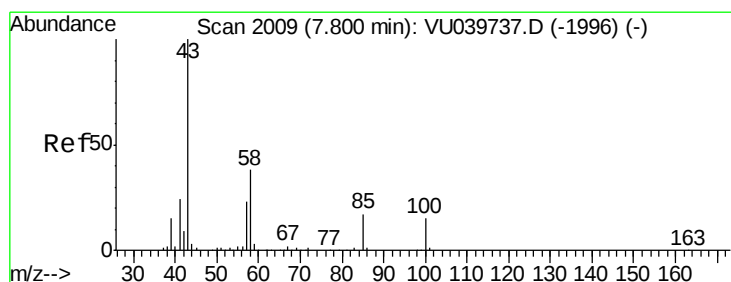
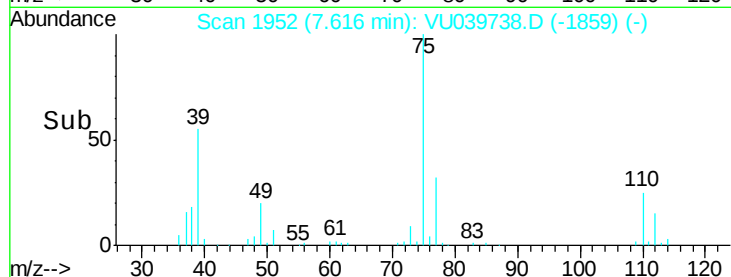
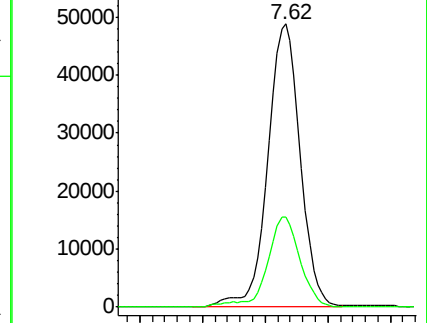
75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 107.799 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

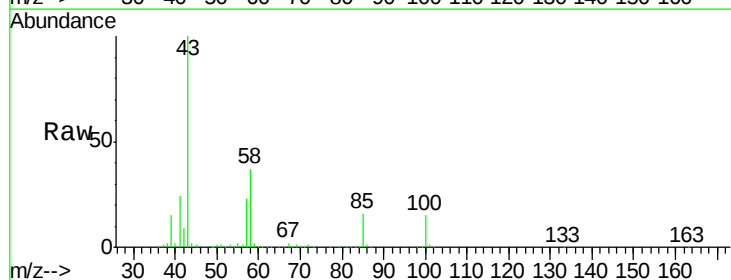
Tgt Ion: 43 Resp: 470823

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2

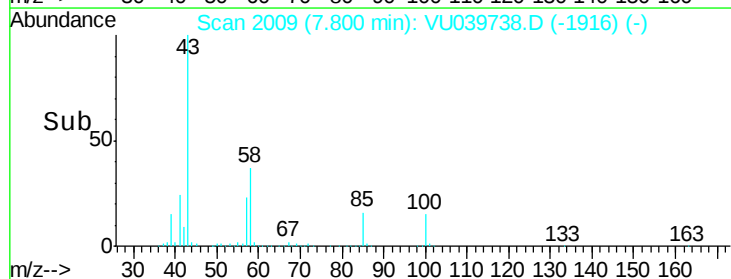
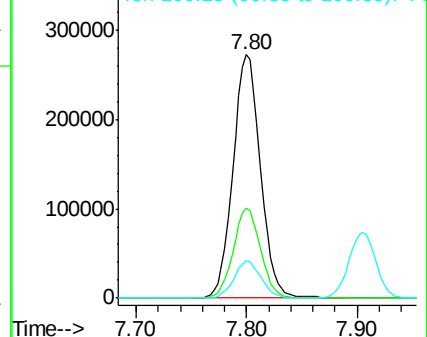
100 15.1 11.7 17.5

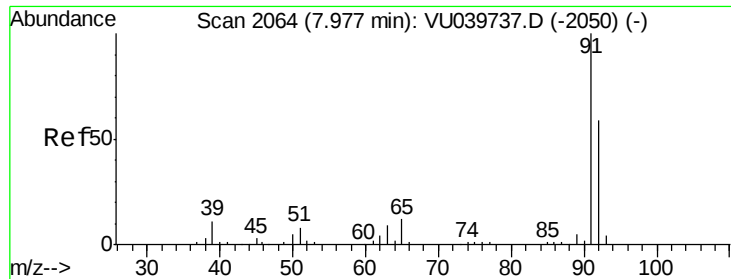


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 11.057 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

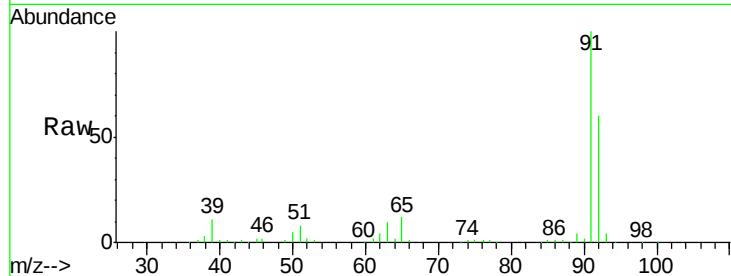
VSTD01004

Tgt Ion: 91 Resp: 243348

Ion Ratio Lower Upper

91 100

92 59.8 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU039738.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039738.D (-1971) (-)

7.98

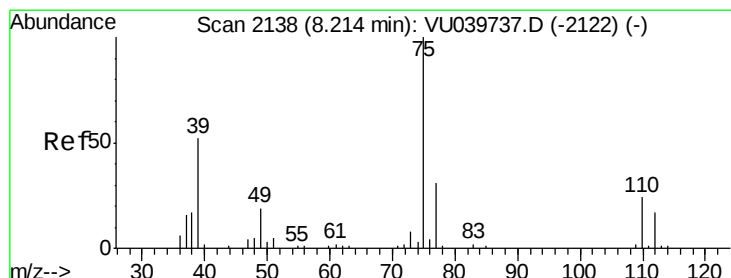
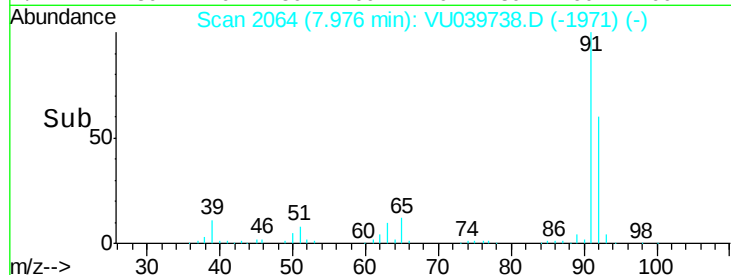
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.907 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039738.D

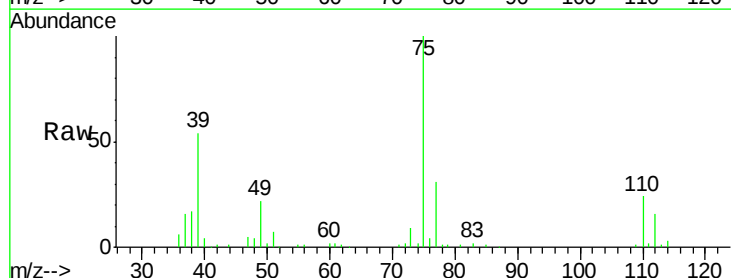
Acq: 03 Aug 2020 14:26

Tgt Ion: 75 Resp: 79897

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU039738.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU039738.D (-2045) (-)

8.21

50000

40000

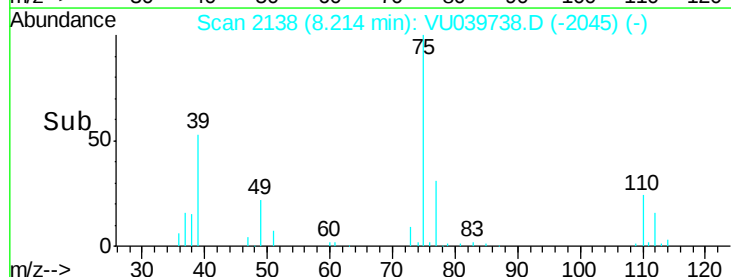
30000

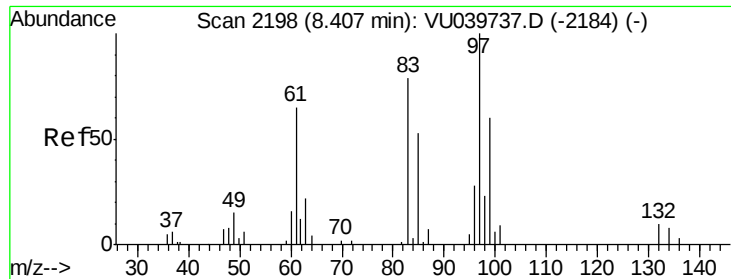
20000

10000

0

Time-->

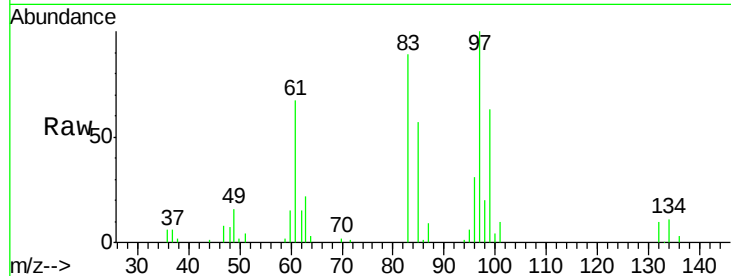




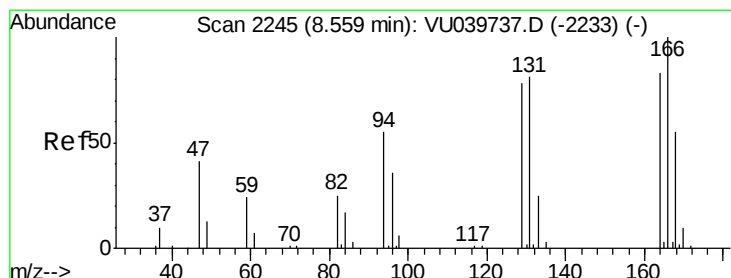
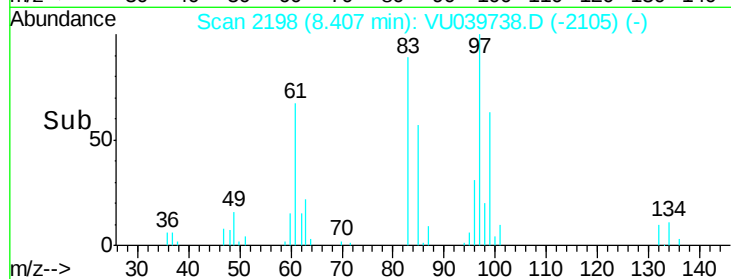
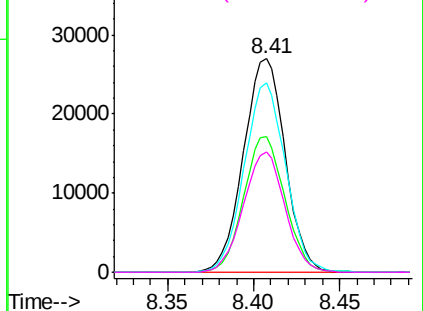
#45
 1,1,2-Trichloroethane
 Concen: 10.508 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion:	97	Resp:	45482
Ion	Ratio	Lower	Upper
97	100		
99	63.5	42.0	78.0
83	88.9	55.2	102.4
85	56.5	37.0	68.6

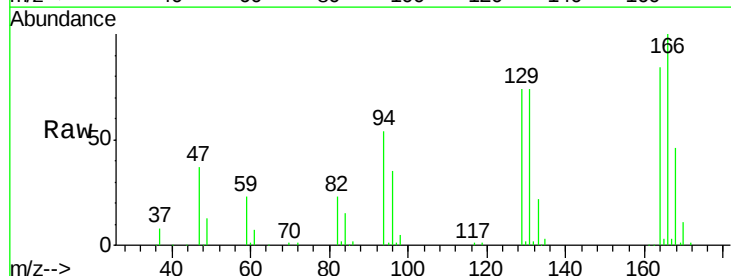


Abundance Ion 96.95 (96.65 to 97.65): VU039738.D (-2105) (-)
 Ion 99.05 (98.75 to 99.75): VU039738.D (-2105) (-)
 Ion 82.95 (82.65 to 83.65): VU039738.D (-2105) (-)
 Ion 85.00 (84.70 to 85.70): VU039738.D (-2105) (-)

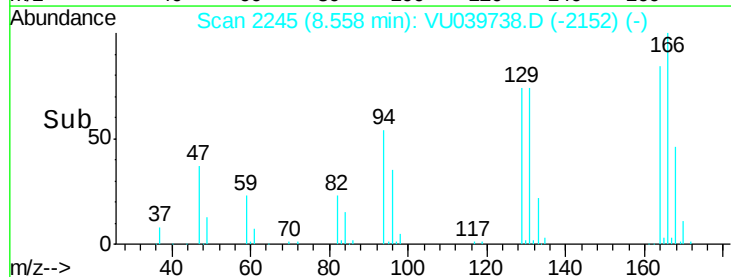
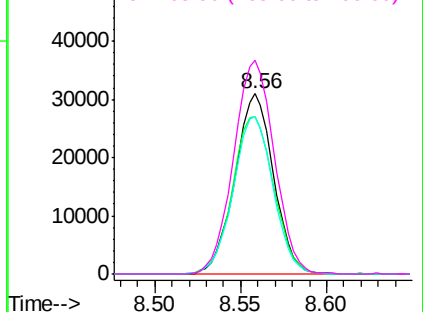


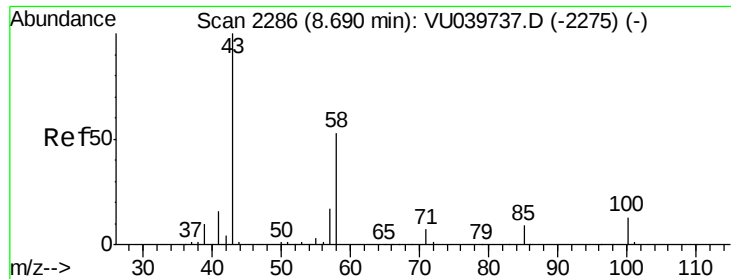
#47
 Tetrachloroethene
 Concen: 12.492 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion:	164	Resp:	48509
Ion	Ratio	Lower	Upper
164	100		
129	87.5	65.9	122.5
131	87.3	68.1	126.5
166	118.7	84.5	156.9



Abundance Ion 163.90 (163.60 to 164.60): VU039738.D (-2152) (-)
 Ion 128.95 (128.65 to 129.65): VU039738.D (-2152) (-)
 Ion 130.95 (130.65 to 131.65): VU039738.D (-2152) (-)
 Ion 165.90 (165.60 to 166.60): VU039738.D (-2152) (-)

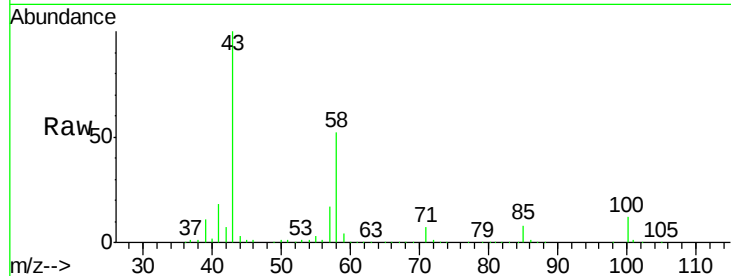




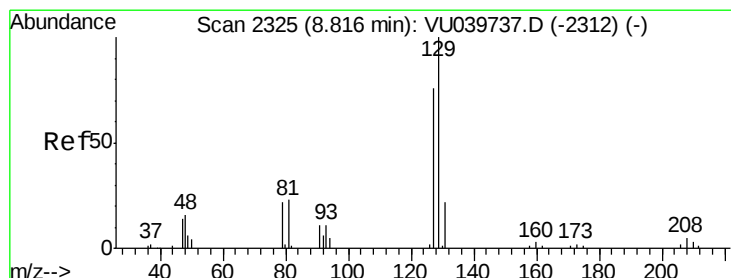
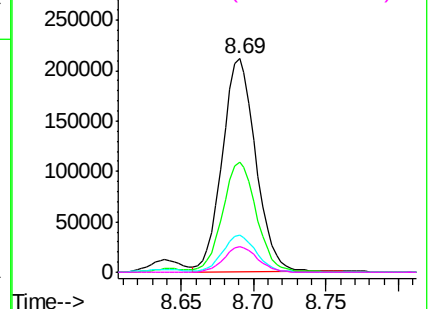
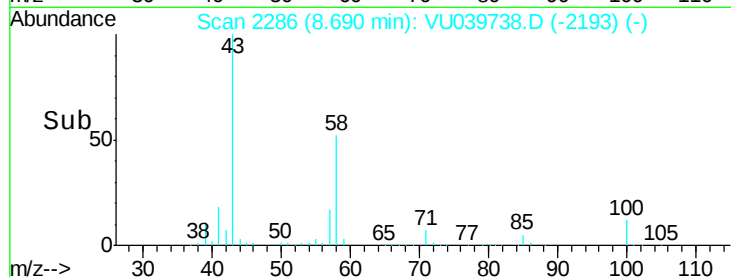
#48
2-Hexanone
Concen: 104.128 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tgt Ion:	43	Resp:	337344
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.8	62.8
57	17.5	14.2	21.4
100	12.0	9.4	14.2

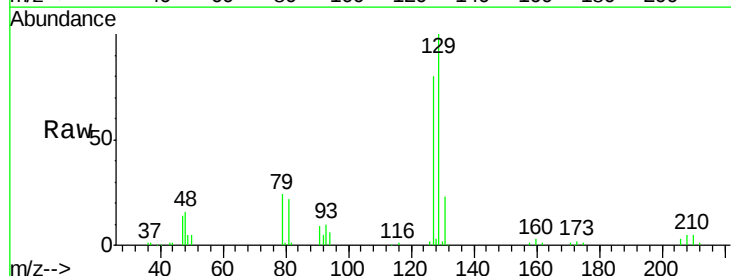


Abundance Ion 43.05 (42.75 to 43.75): VU039738.D (-2193) (-)

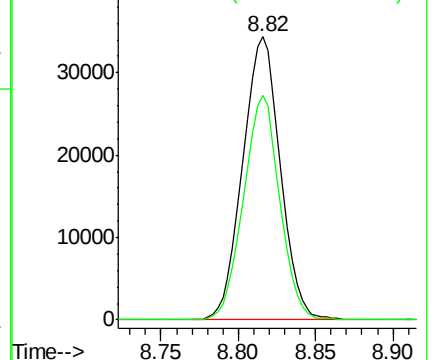
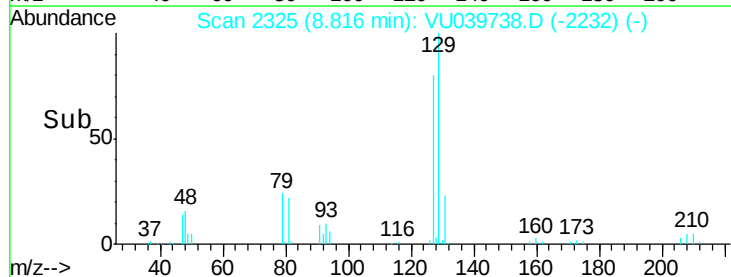


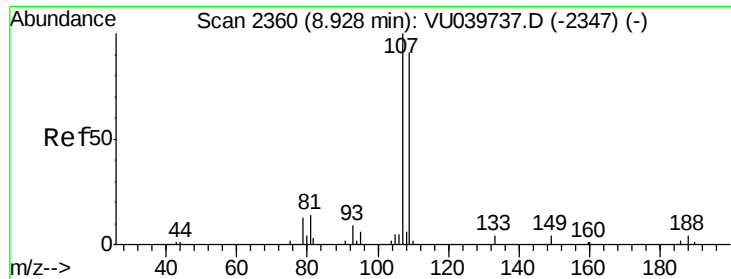
#49
Dibromochloromethane
Concen: 11.143 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Tgt Ion:	129	Resp:	58144
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VU039738.D (-2232) (-)

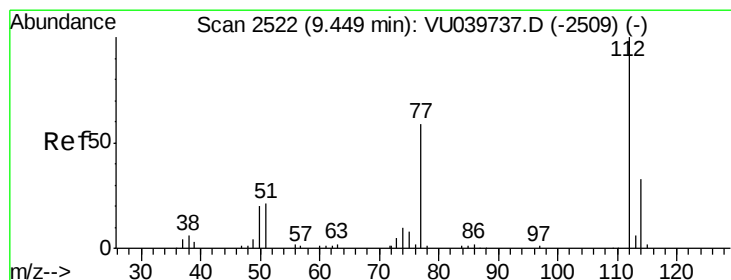
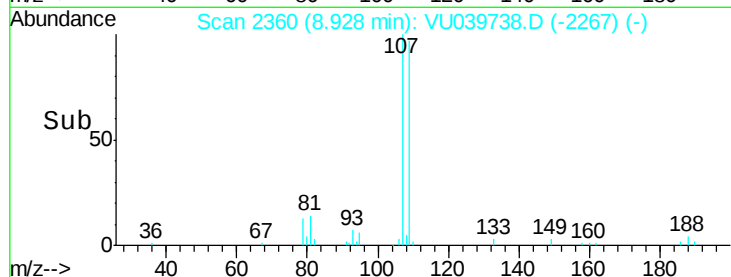
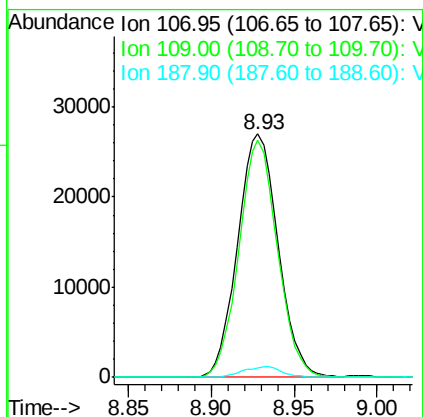
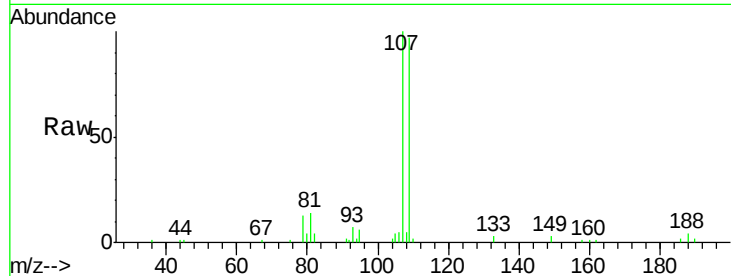




#50
 1,2-Dibromoethane
 Concen: 10.854 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

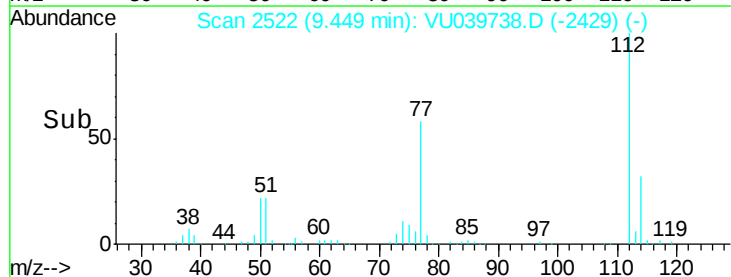
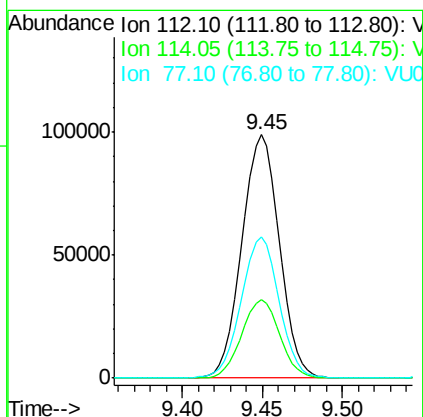
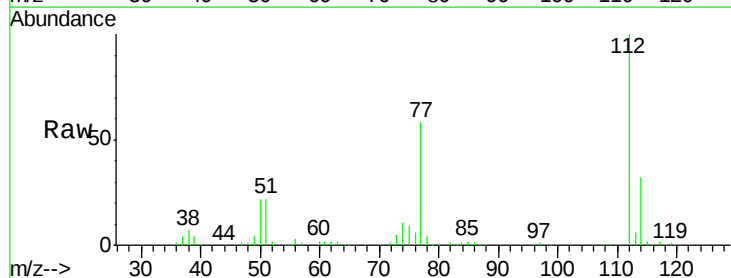
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

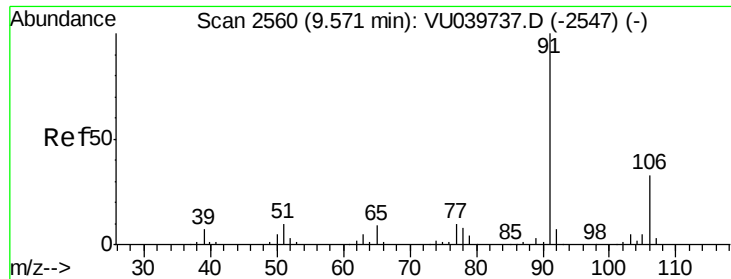
Tgt Ion:107 Resp: 45893
 Ion Ratio Lower Upper
 107 100
 109 97.2 63.9 118.7
 188 3.7 2.9 4.3



#51
 Chlorobenzene
 Concen: 11.045 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion:112 Resp: 157993
 Ion Ratio Lower Upper
 112 100
 114 32.3 23.2 43.0
 77 58.2 47.8 71.6





#52

Ethylbenzene

Concen: 10.980 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

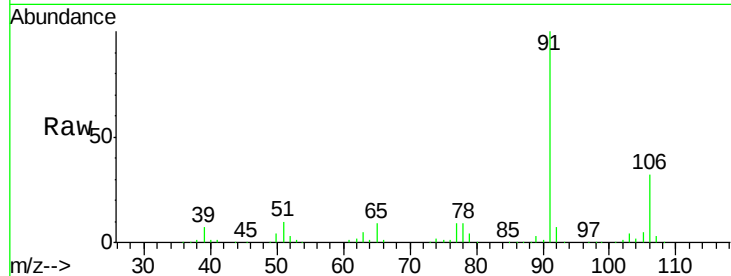
VSTD01004

Tgt Ion: 91 Resp: 274954

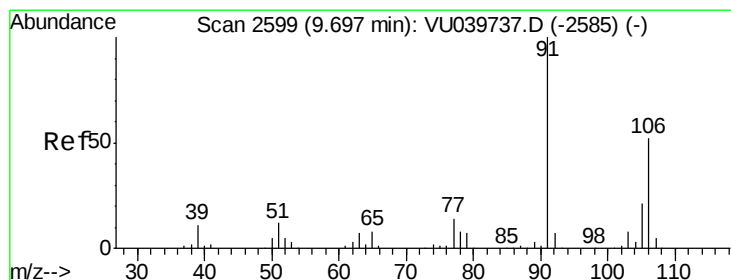
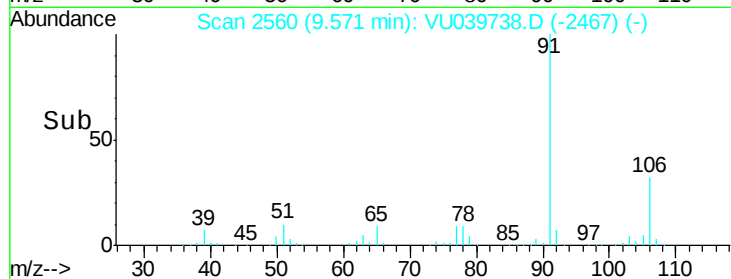
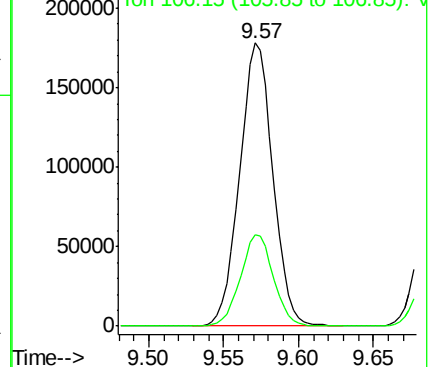
Ion Ratio Lower Upper

91 100

106 32.2 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039737.D (-2547) (-)



#53

m,p-Xylene

Concen: 11.400 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039738.D

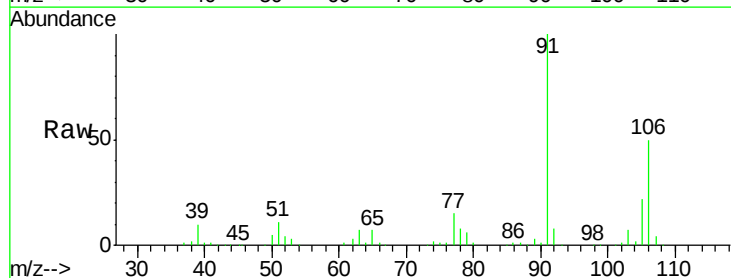
Acq: 03 Aug 2020 14:26

Tgt Ion: 106 Resp: 107688

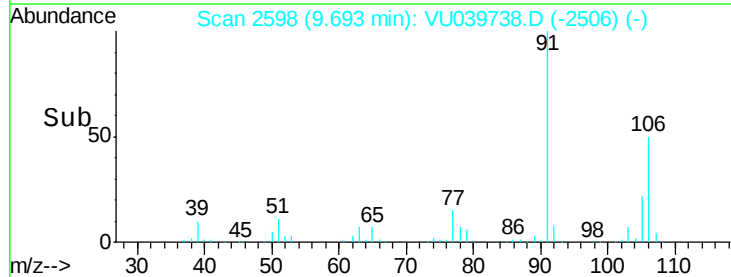
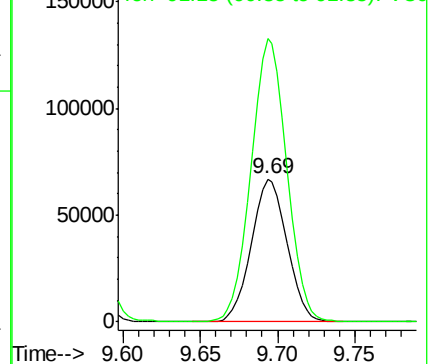
Ion Ratio Lower Upper

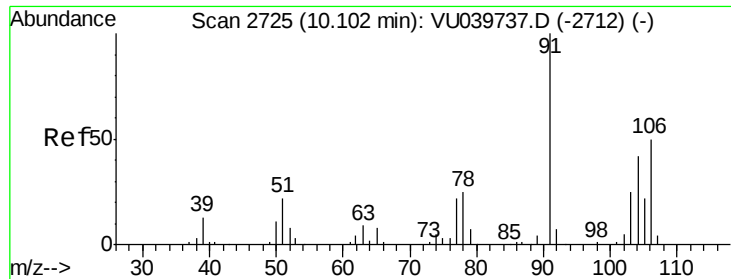
106 100

91 198.4 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039737.D (-2585) (-)

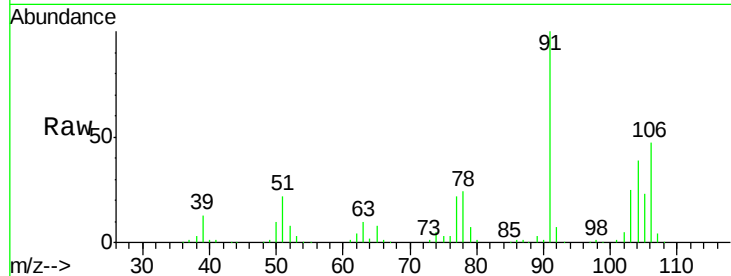




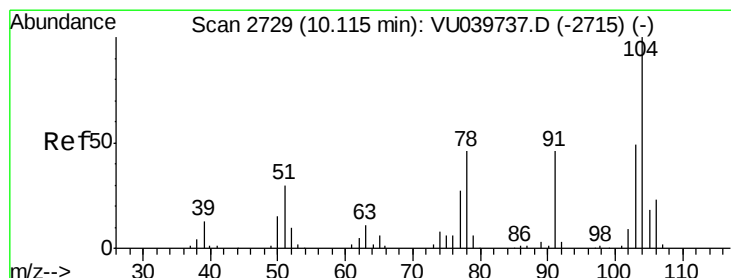
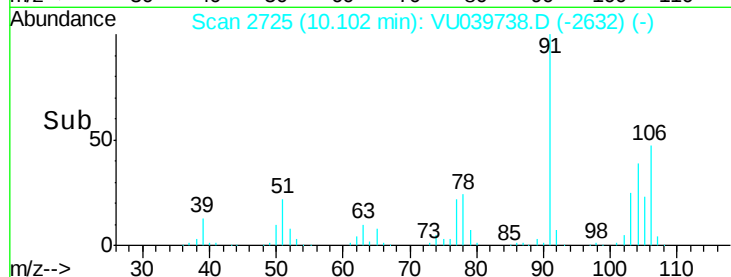
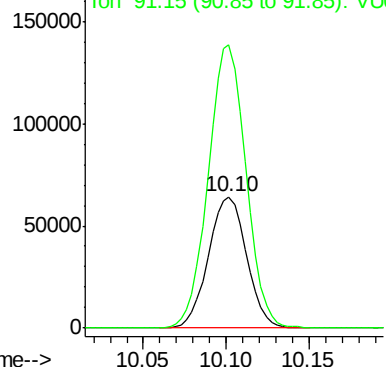
#54
o-Xylene
Concen: 11.126 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD01004

Tgt Ion:106 Resp: 102768
Ion Ratio Lower Upper
106 100
91 215.0 140.8 261.6

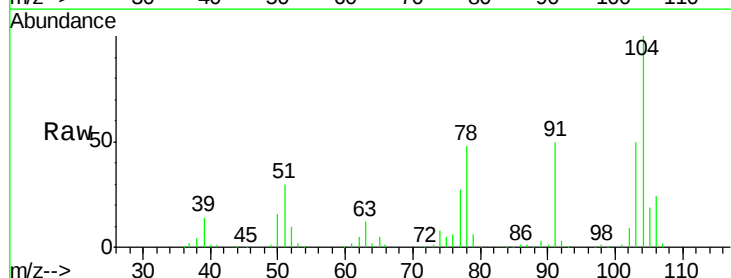


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

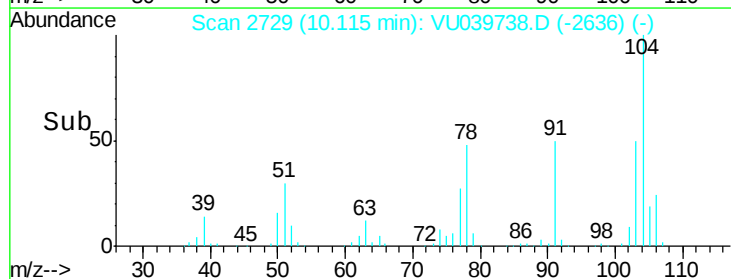
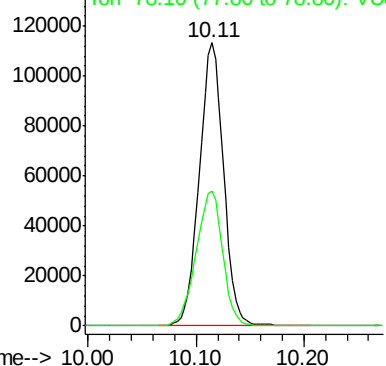


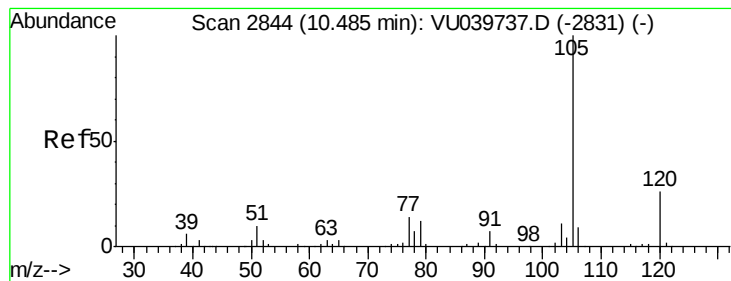
#55
Styrene
Concen: 11.545 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039738.D
Acq: 03 Aug 2020 14:26

Tgt Ion:104 Resp: 177922
Ion Ratio Lower Upper
104 100
78 47.7 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: 11.195 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

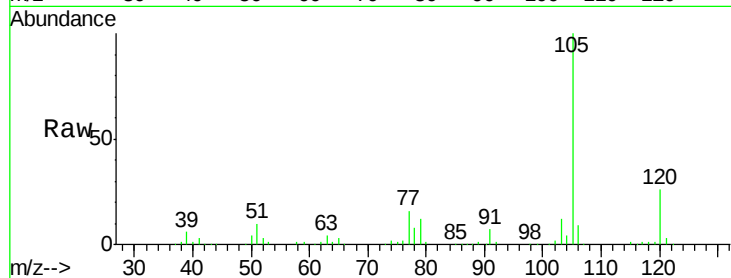
Tgt Ion: 105 Resp: 279448

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

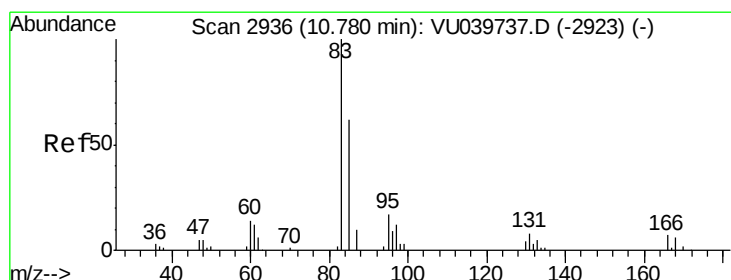
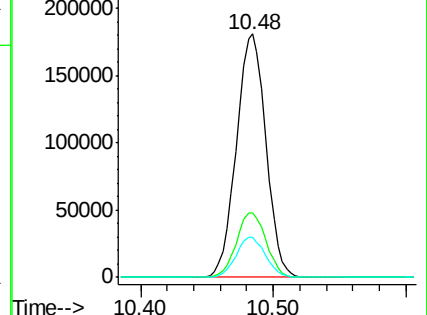
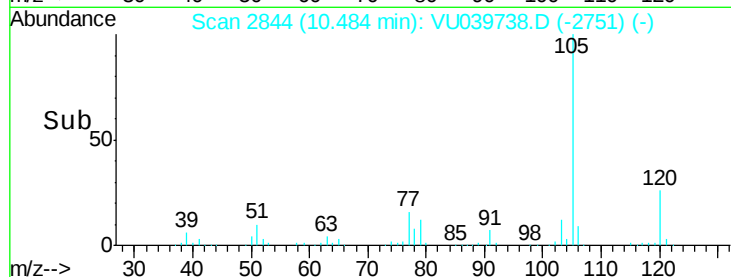
77 16.5 12.9 19.3



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: 11.259 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

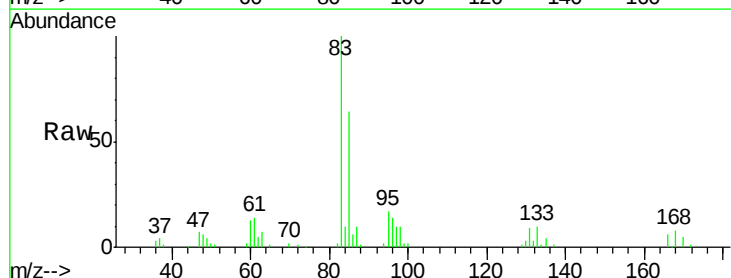
Tgt Ion: 83 Resp: 62458

Ion Ratio Lower Upper

83 100

85 63.7 44.4 82.4

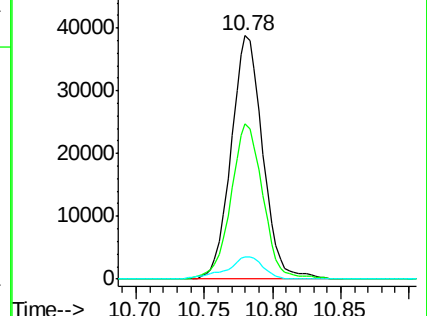
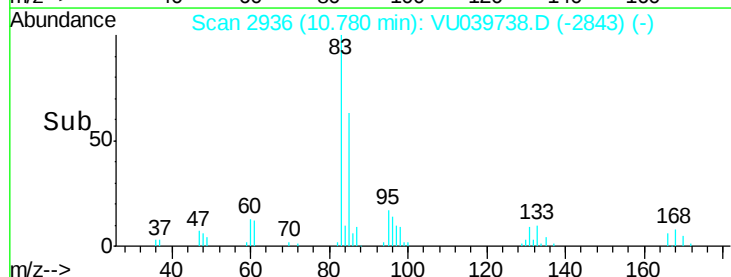
131 9.2 7.4 11.0

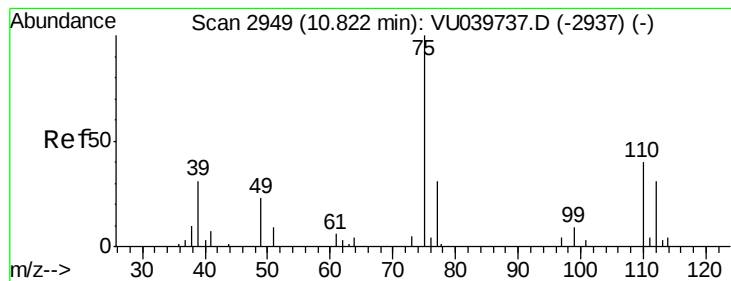


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

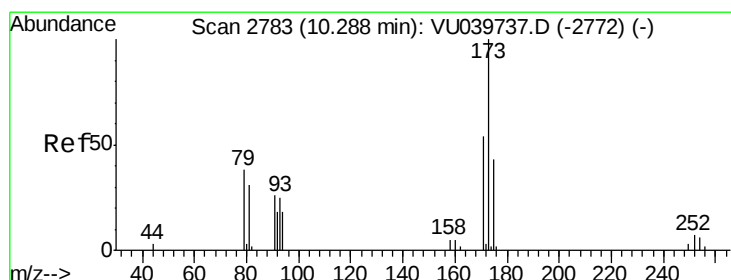
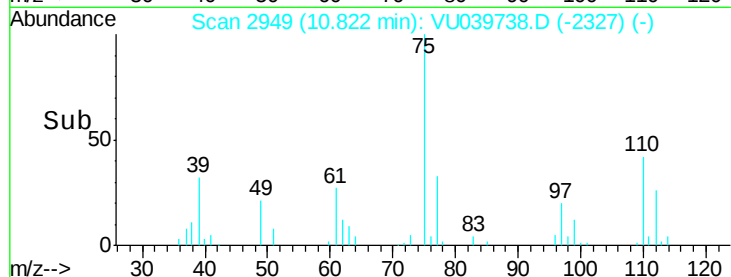
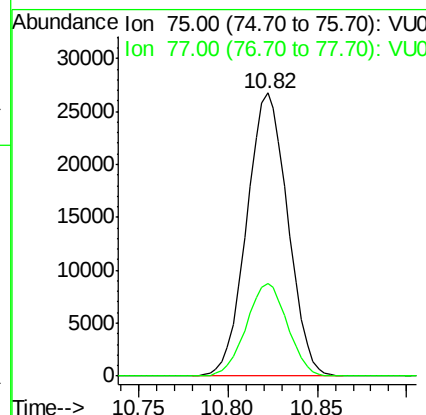
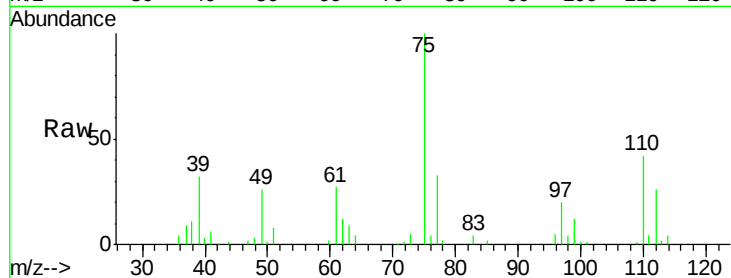




#59
 1,2,3-Trichloropropane
 Concen: 10.470 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

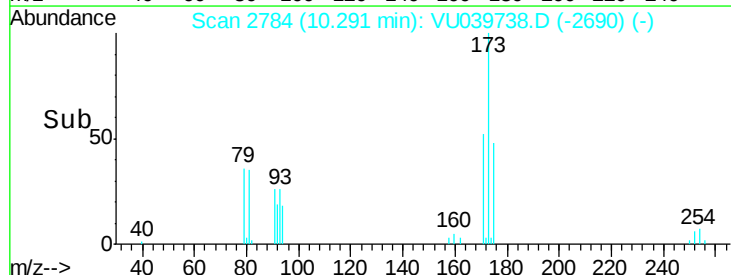
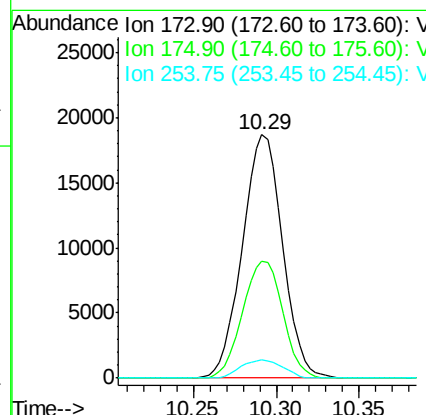
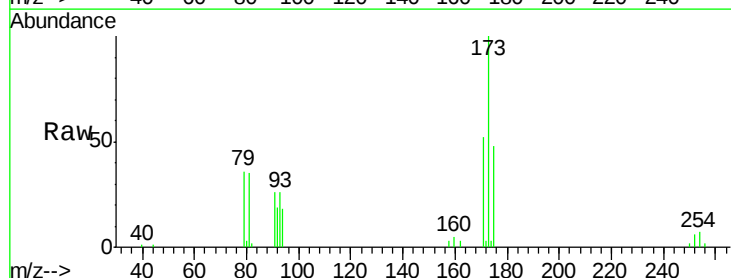
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

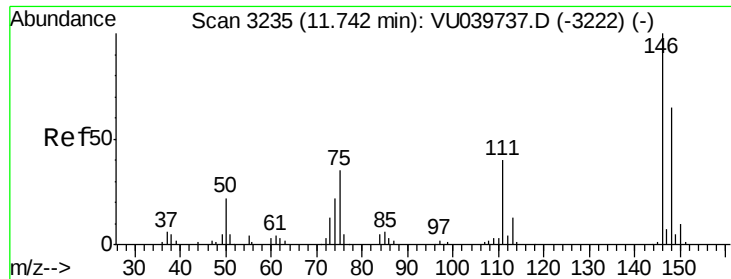
Tgt Ion: 75 Resp: 43023
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.6 37.0



#61
 Bromoform
 Concen: 9.813 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion: 173 Resp: 31506
 Ion Ratio Lower Upper
 173 100
 175 47.9 33.8 50.8
 254 7.7 5.5 8.3

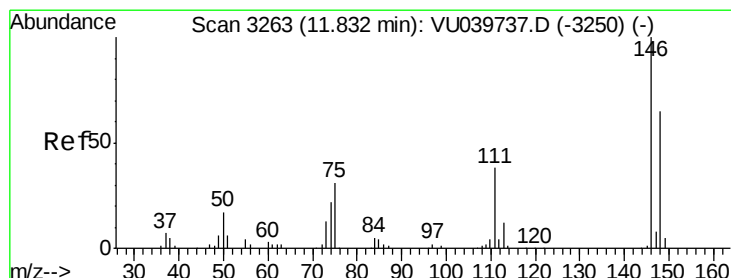
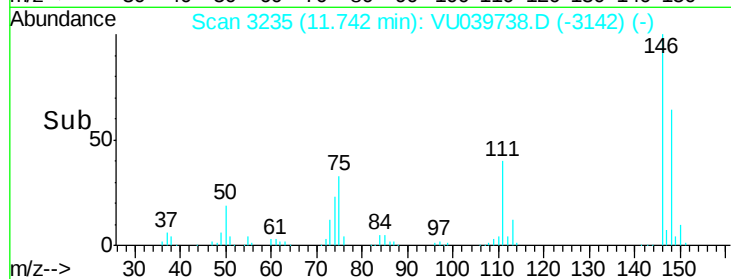
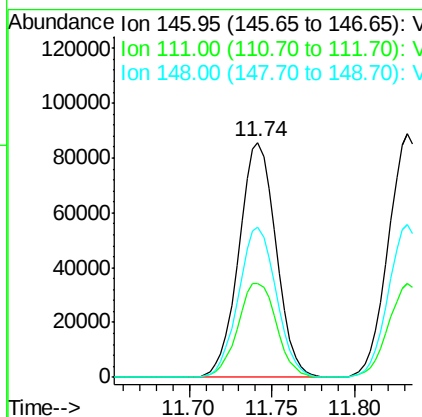
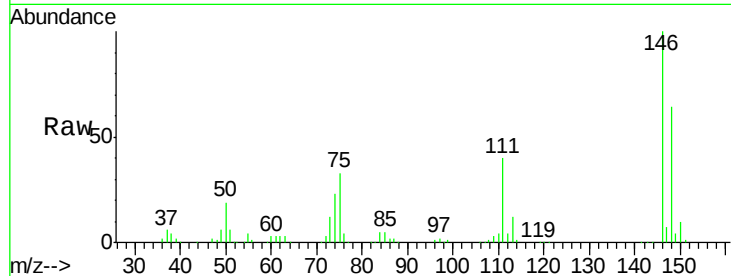




#62
 1,3-Dichlorobenzene
 Concen: 10.596 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

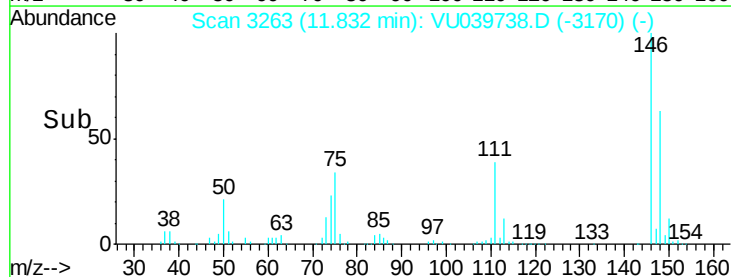
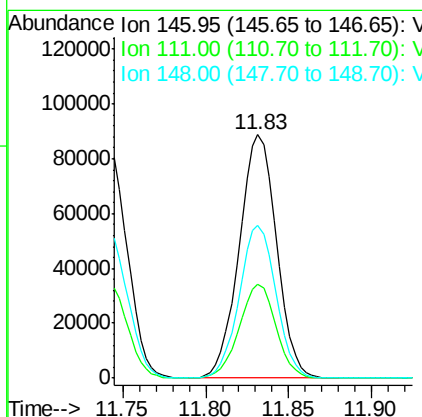
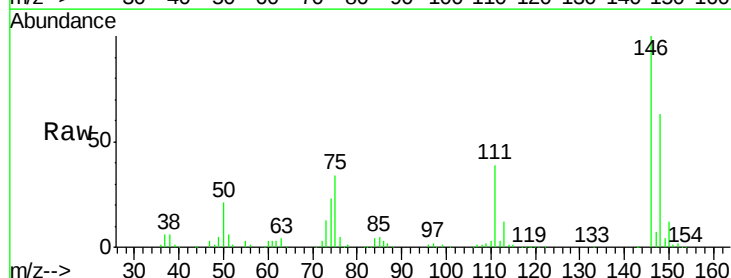
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

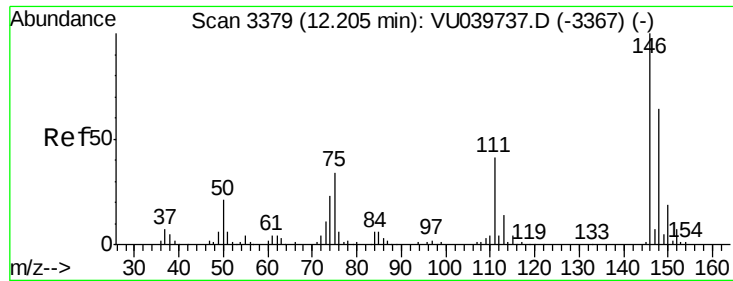
Tgt Ion:146 Resp: 133455
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.7 51.5
 148 63.9 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 10.815 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion:146 Resp: 138870
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.5 49.3
 148 62.8 45.3 84.1

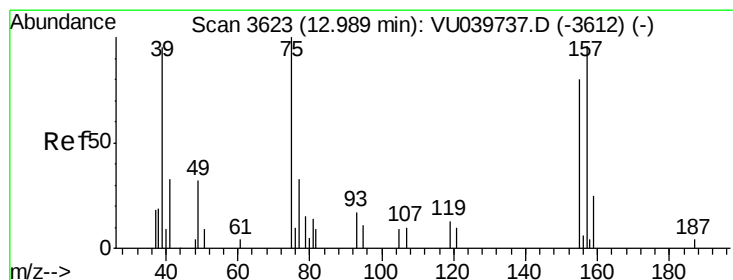
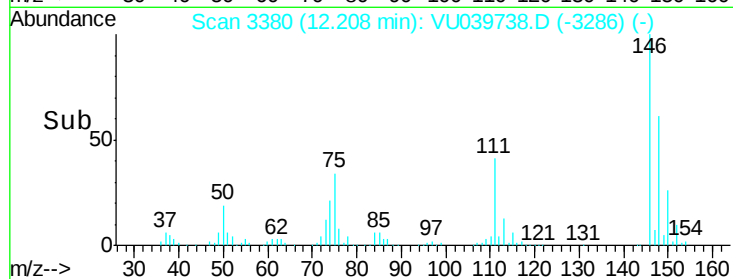
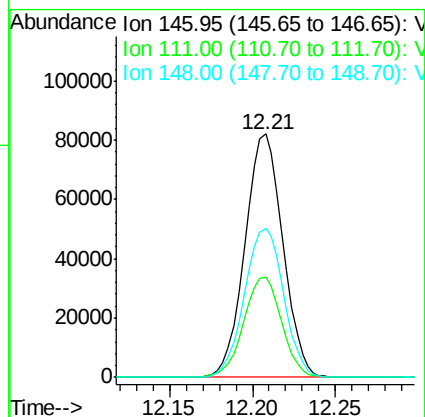
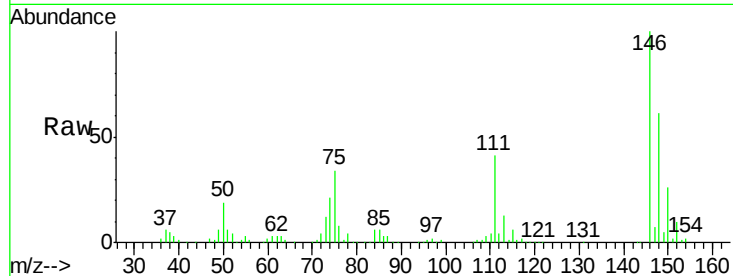




#65
 1,2-Dichlorobenzene
 Concen: 10.694 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

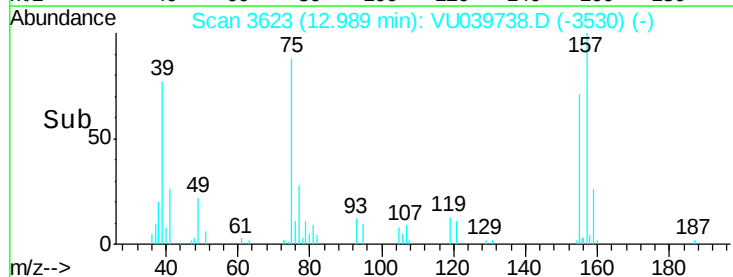
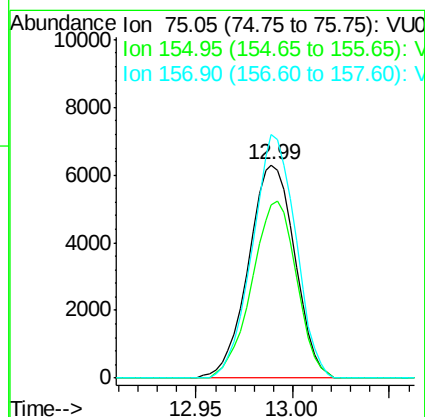
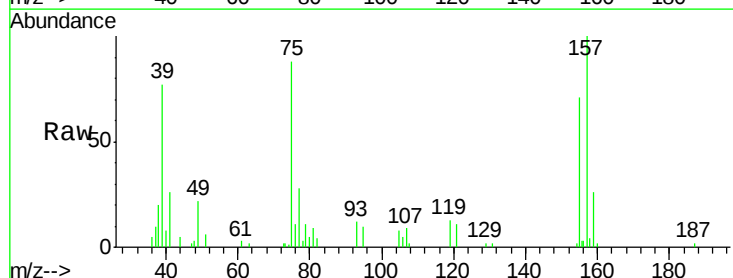
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

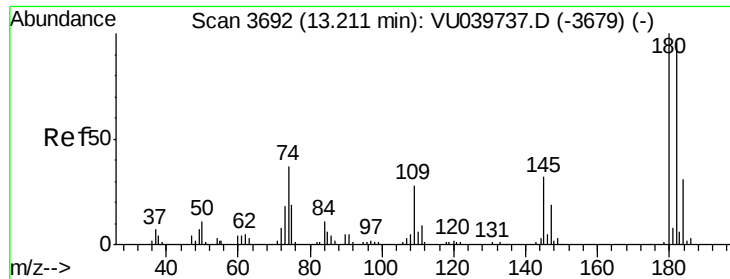
Tgt Ion: 146 Resp: 130298
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.1 49.7
 148 61.1 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.687 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Tgt Ion: 75 Resp: 10512
 Ion Ratio Lower Upper
 75 100
 155 81.1 64.0 96.0
 157 114.3 77.0 115.6

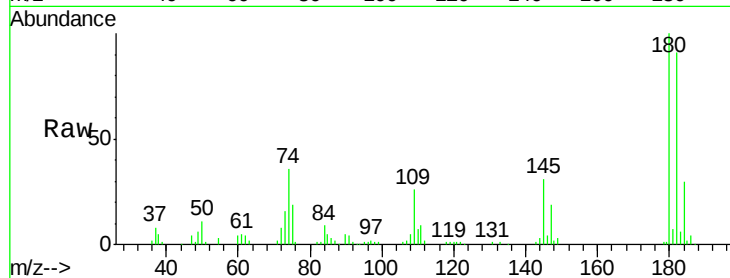




#67
 1,3,5-Trichlorobenzene
 Concen: 11.440 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01004

Tgt Ion	Resp	Lower	Upper
180	100		
182	91.9	74.9	112.3
184	29.6	25.3	37.9
145	29.4	25.0	37.6

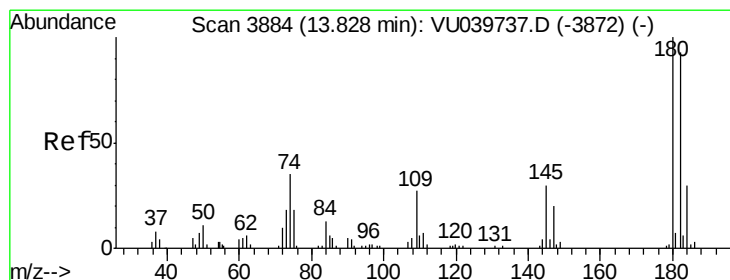
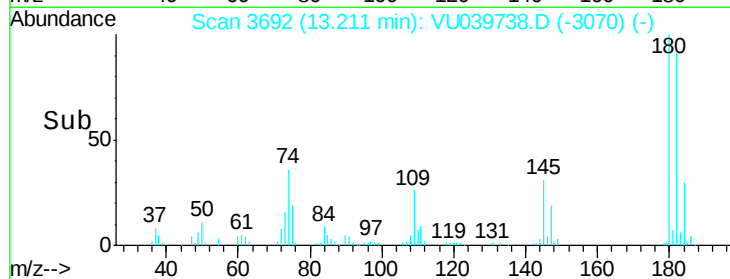
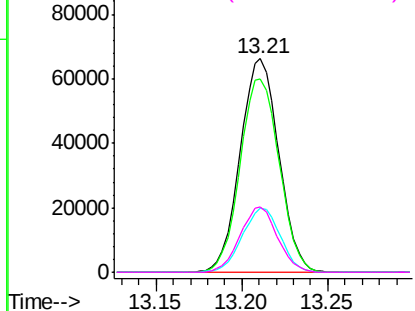


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

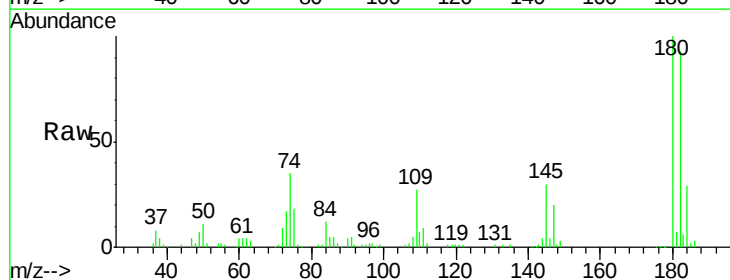
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.810 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039738.D
 Acq: 03 Aug 2020 14:26

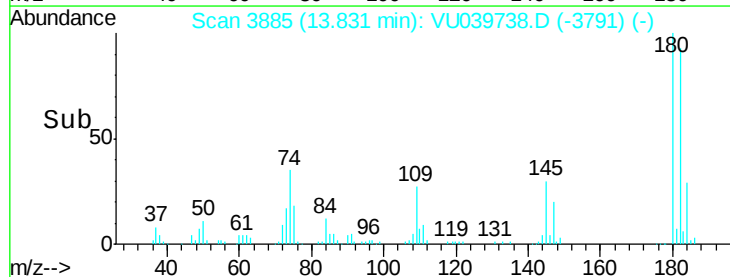
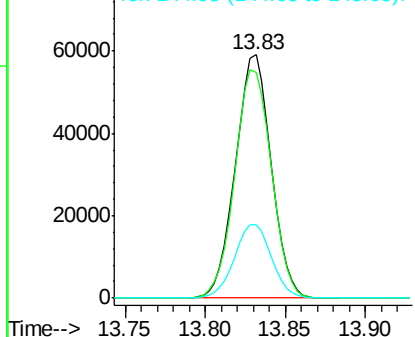
Tgt Ion	Resp	Lower	Upper
180	100		
182	96.4	75.7	113.5
145	31.4	25.1	37.7

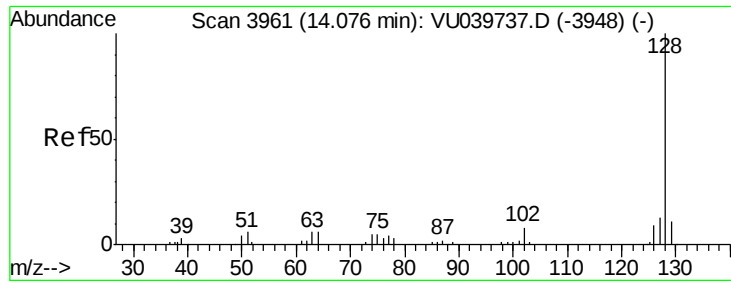


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 13.681 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD01004

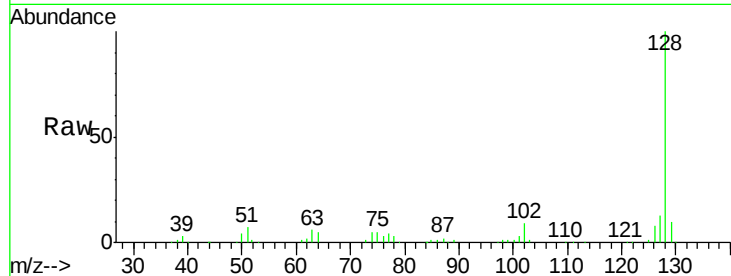
Tgt Ion:128 Resp: 177861

Ion Ratio Lower Upper

128 100

129 10.2 8.9 13.3

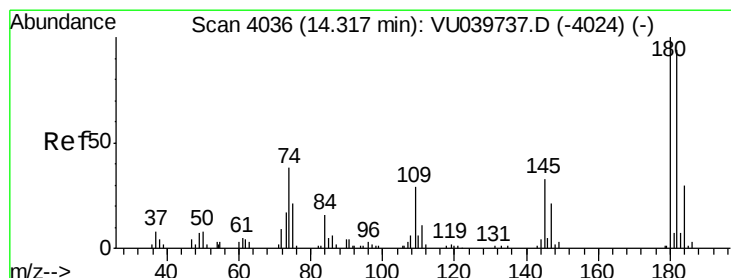
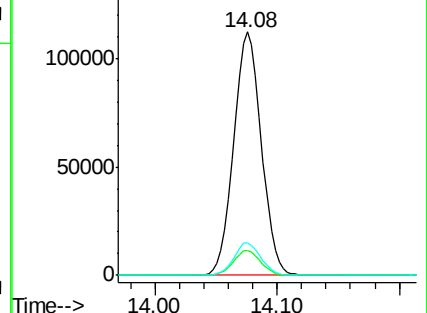
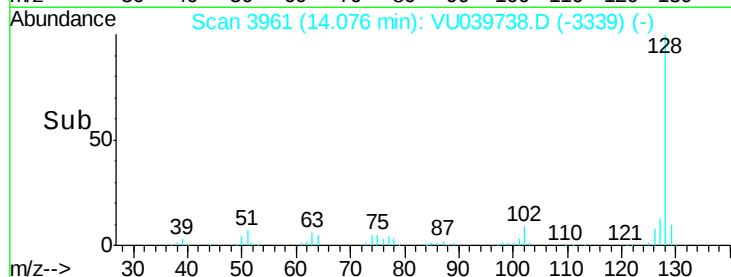
127 13.1 10.1 15.1



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: 12.337 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU039738.D

Acq: 03 Aug 2020 14:26

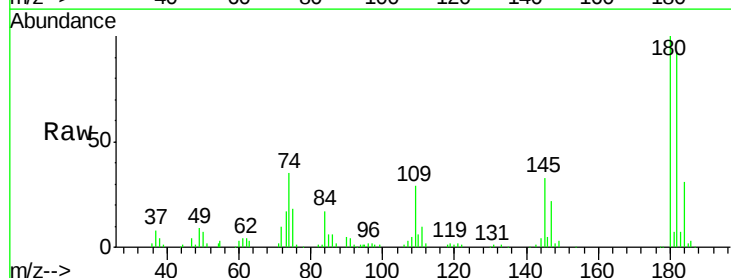
Tgt Ion:180 Resp: 84206

Ion Ratio Lower Upper

180 100

182 95.7 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

