

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060220\
 Data File : VU038484.D
 Acq On : 02 Jun 2020 09:30
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 03 00:44:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 16:29:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	330386	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	327728	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162967	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	86708	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.93	69	72452	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.59	63	189961	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	4.69	46	316601	48.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.48%
24) Chloroform-d	5.10	84	187068	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.74	65	109439	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.76	84	363590	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.72	67	111040	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.92	98	330123	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.20	79	48807	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.66	63	269190	50.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	100007	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	125187	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	118880	4.565	ug/L 99
3) Chloromethane	1.53	50	99212	4.149	ug/L 100
5) Vinyl chloride	1.62	62	106887	4.172	ug/L 98
6) Bromomethane	1.87	94	58150	4.675	ug/L 96
8) Chloroethane	1.95	64	65512	4.267	ug/L 100
9) Trichlorofluoromethane	2.16	101	162404	4.778	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	97637	4.877	ug/L 97
12) 1,1-Dichloroethene	2.60	96	91199	4.482	ug/L 95
13) Acetone	2.70	43	199193	46.858	ug/L 90
14) Carbon disulfide	2.82	76	267992	3.882	ug/L 99
15) Methyl Acetate	2.99	43	50340	4.834	ug/L 100
16) Methylene chloride	3.08	84	103335	4.488	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	250348	4.692	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	97787	4.459	ug/L 98
19) 1,1-Dichloroethane	3.91	63	187106	4.768	ug/L 99
21) 2-Butanone	4.77	43	344160	48.133	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	105621	4.473	ug/L 96

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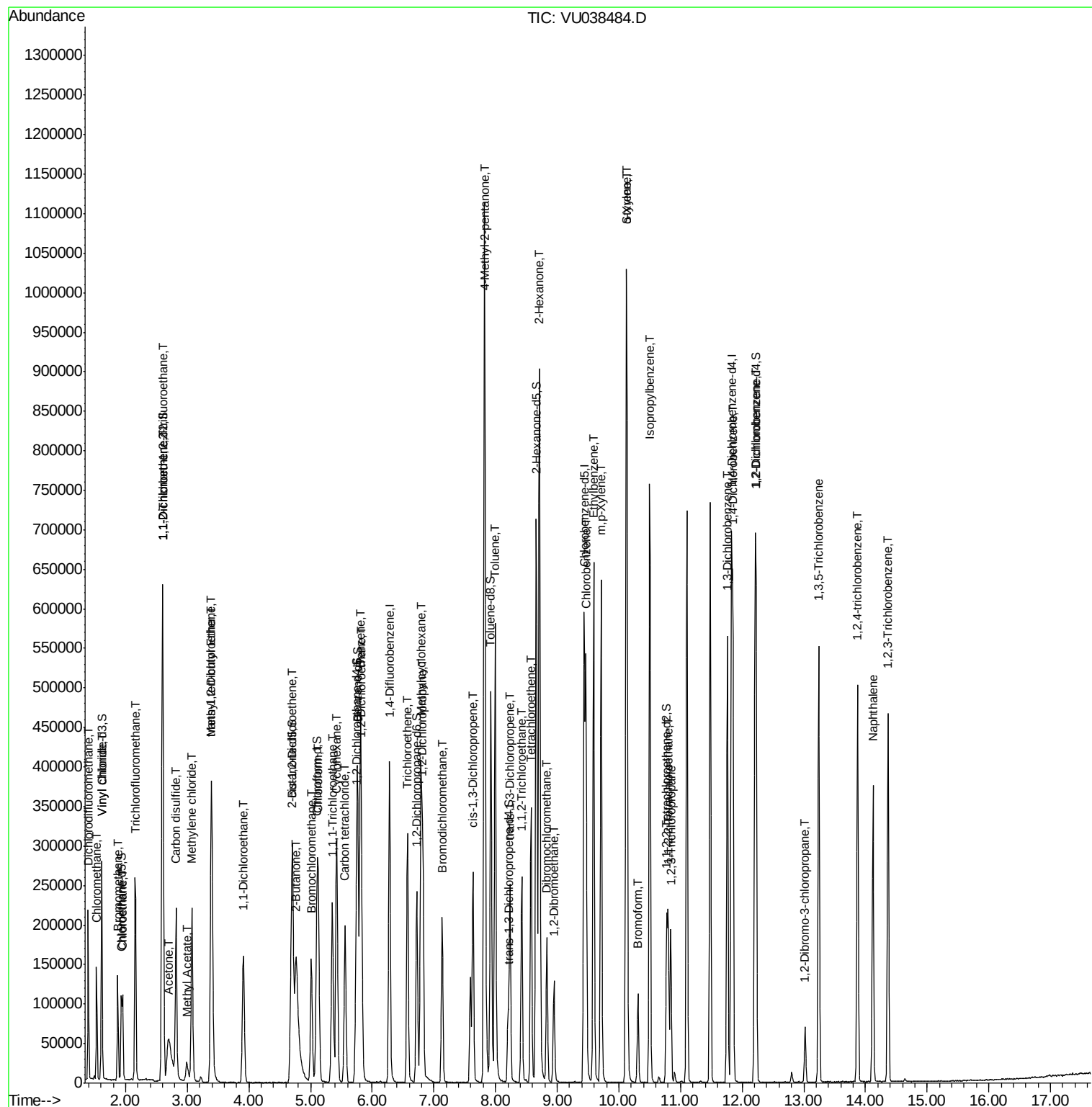
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	48584	4.572	ug/L	96
25) Chloroform	5.13	83	190707	4.784	ug/L	100
27) 1,2-Dichloroethane	5.83	62	133332	4.751	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	164146	4.733	ug/L	99
30) Cyclohexane	5.42	56	153693	4.227	ug/L	99
31) Carbon tetrachloride	5.56	117	135357	4.688	ug/L	99
33) Benzene	5.81	78	407406	4.458	ug/L	100
34) Trichloroethene	6.57	95	103756	4.374	ug/L	98
35) Methylcyclohexane	6.79	83	154970	4.220	ug/L	99
37) 1,2-Dichloropropane	6.82	63	104875	4.561	ug/L	99
38) Bromodichloromethane	7.13	83	137640	4.819	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	156370	4.601	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	777030	47.246	ug/L	99
42) Toluene	7.99	91	435285	4.541	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	138590	4.617	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	84999	4.899	ug/L	98
47) Tetrachloroethene	8.57	164	78292	4.543	ug/L	98
48) 2-Hexanone	8.71	43	599602	48.141	ug/L	99
49) Dibromochloromethane	8.83	129	93151	4.974	ug/L	100
50) 1,2-Dibromoethane	8.95	107	77701	4.677	ug/L	98
51) Chlorobenzene	9.47	112	277299	4.486	ug/L	99
52) Ethylbenzene	9.59	91	476197	4.465	ug/L	100
53) m,p-Xylene	9.71	106	184895	4.508	ug/L	95
54) o-Xylene	10.12	106	179008	4.547	ug/L	100
55) Styrene	10.13	104	310995	4.653	ug/L	97
56) Isopropylbenzene	10.50	105	477107	4.604	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	102886	4.666	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	81138	4.727	ug/L	98
61) Bromoform	10.31	173	51674	5.090	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	226437	4.729	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	227619	4.688	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	214141	4.710	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18158	4.933	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	163203	4.569	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	146388	4.427	ug/L	99
69) Naphthalene	14.12	128	292752	4.449	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	139802	4.647	ug/L	97

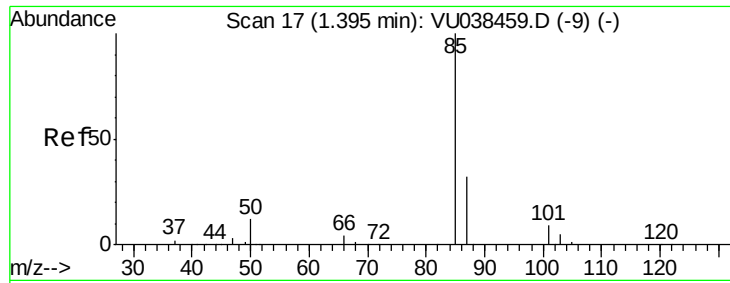
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.565 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

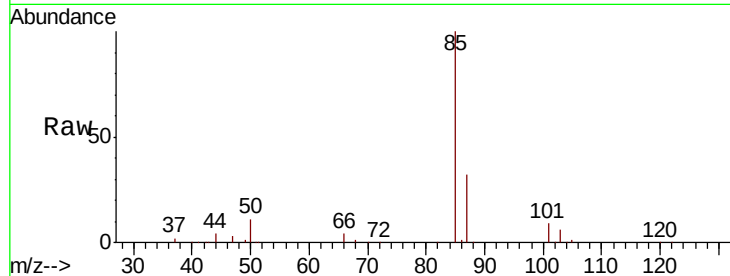
ClientSampleId :

Tot Ion: 85 Resp: 118880

Ion Ratio Lower Upper

85 100

87 31.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038459.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038459.D (-9) (-)

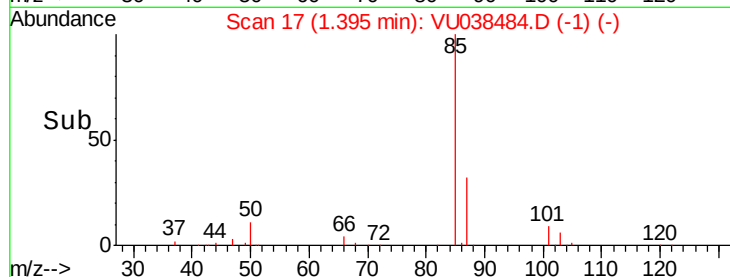
1.39

100000

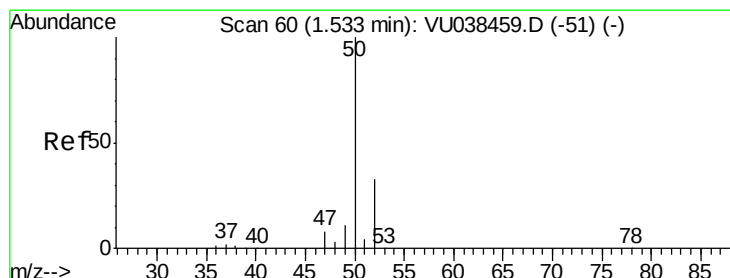
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.149 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU038484.D

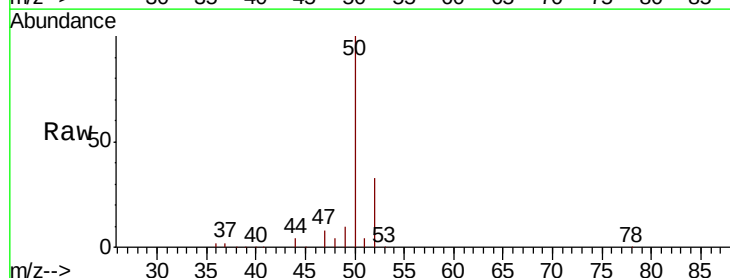
Acq: 02 Jun 2020 09:30

Tgt Ion: 50 Resp: 99212

Ion Ratio Lower Upper

50 100

52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038459.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038459.D (-51) (-)

1.53

100000

80000

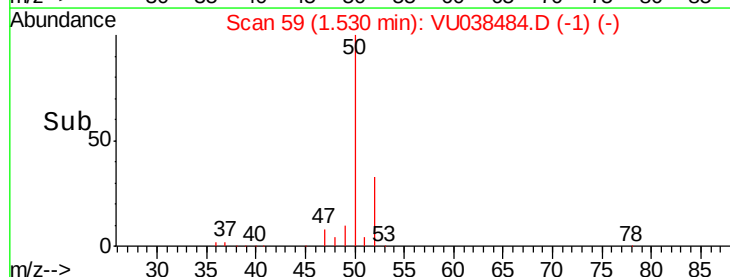
60000

40000

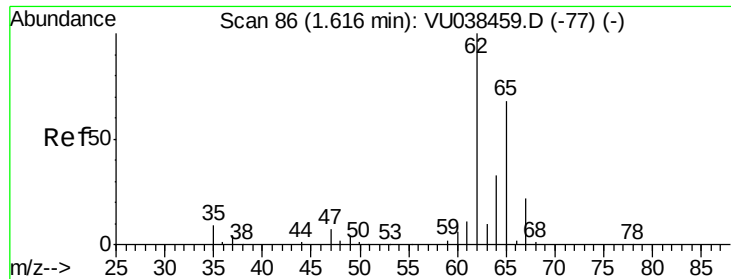
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.172 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

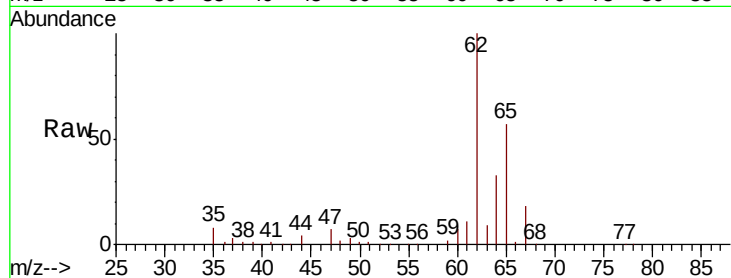
ClientSampleId :

Tot Ion: 62 Resp: 106887

Ion Ratio Lower Upper

62 100

64 32.8 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038484.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038484.D (-77) (-)

1.62

100000

80000

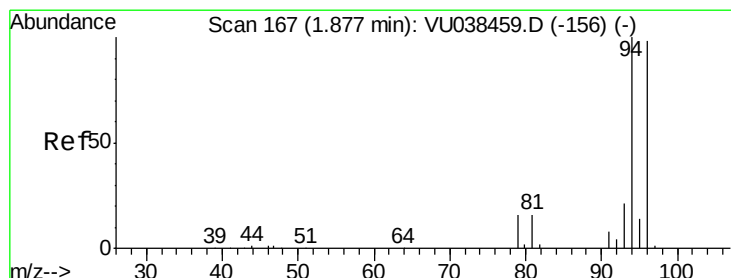
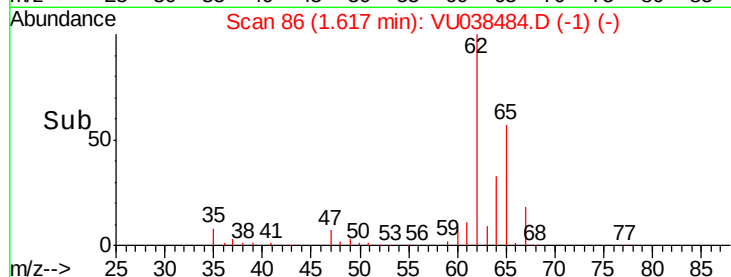
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.675 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038484.D

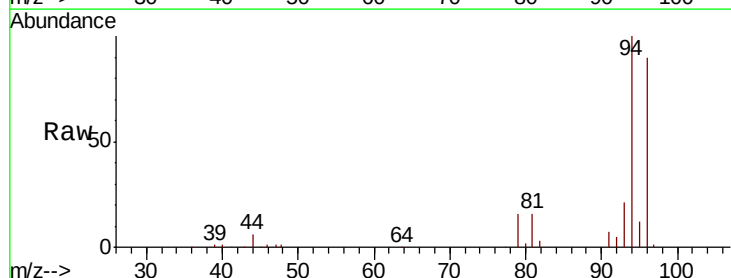
Acq: 02 Jun 2020 09:30

Tgt Ion: 94 Resp: 58150

Ion Ratio Lower Upper

94 100

96 90.0 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038484.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038484.D (-156) (-)

1.87

50000

40000

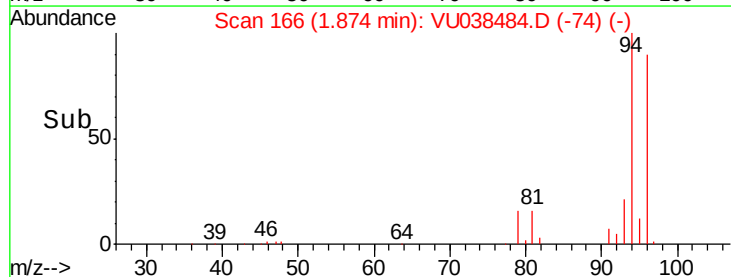
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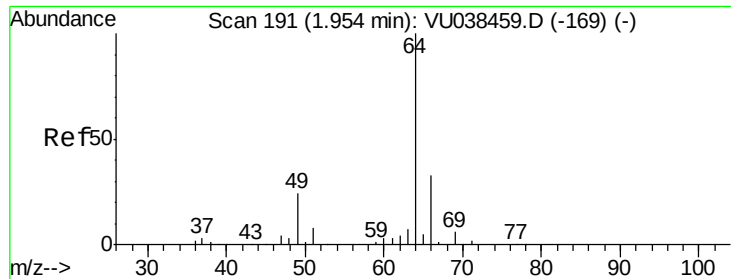
20000

10000

0

Time-->





#8

Chloroethane

Concen: 4.267 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

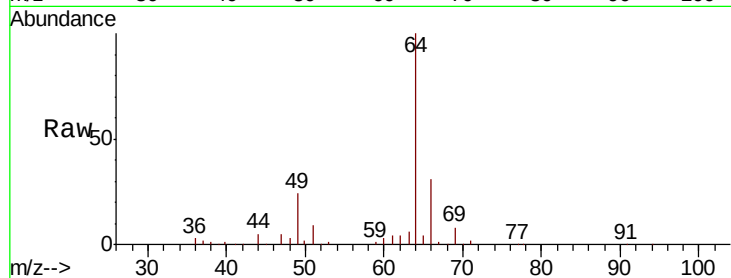
ClientSampleId :

Tot Ion: 64 Resp: 65512

Ion Ratio Lower Upper

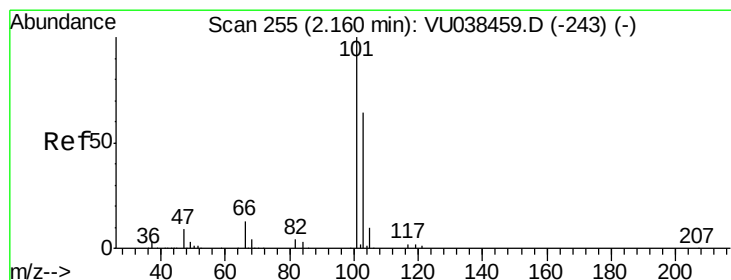
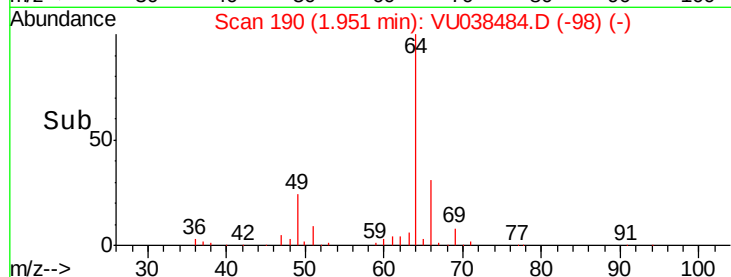
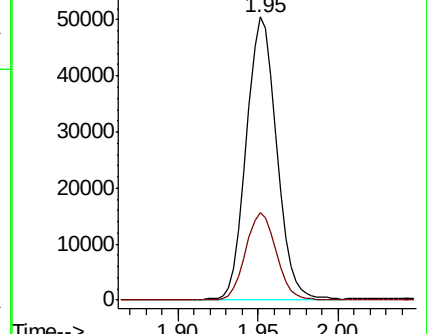
64 100

66 30.9 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038459.D (-169) (-)

Ion 66.05 (65.75 to 66.75): VU038459.D (-169) (-)



#9

Trichlorofluoromethane

Concen: 4.778 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038484.D

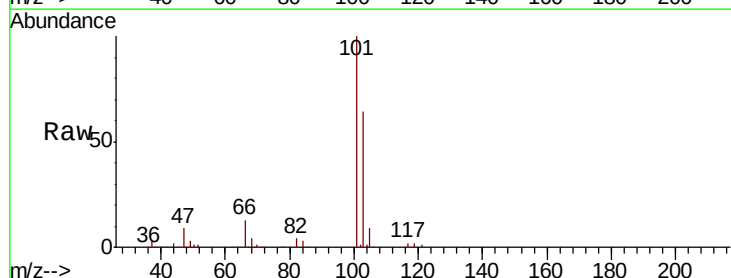
Acq: 02 Jun 2020 09:30

Tgt Ion: 101 Resp: 162404

Ion Ratio Lower Upper

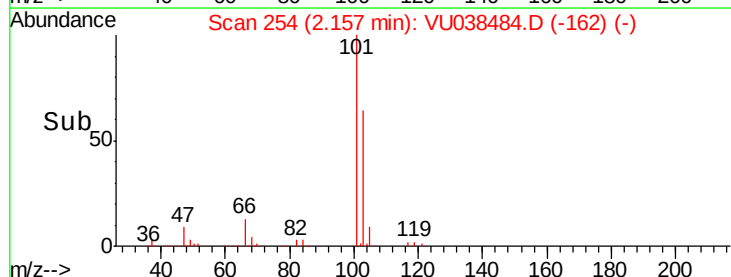
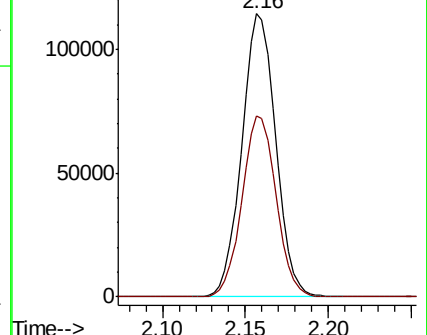
101 100

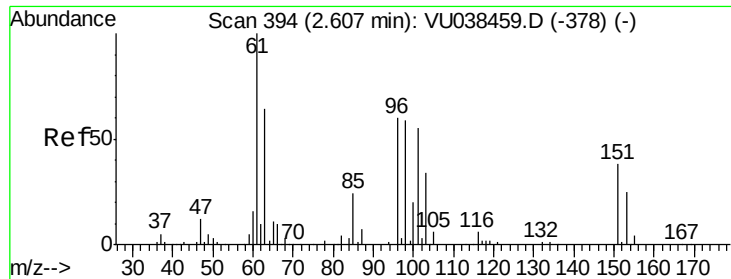
103 64.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038459.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038459.D (-243) (-)





#10

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

Concen: 4.877 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

ClientSampleId :

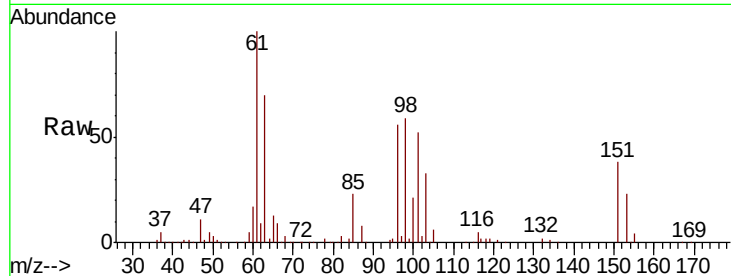
Tot Ion:101 Resp: 97637

Ion Ratio Lower Upper

101 100

85 44.7 34.0 51.0

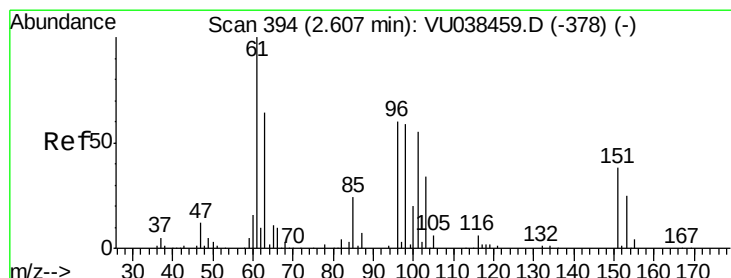
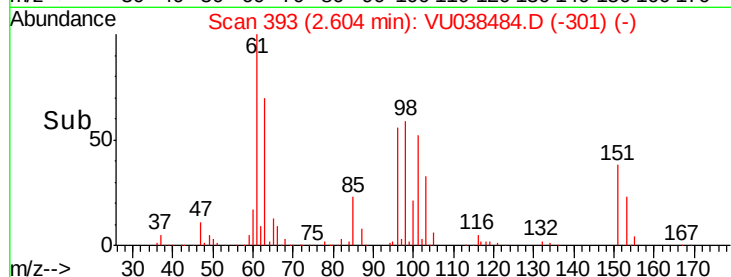
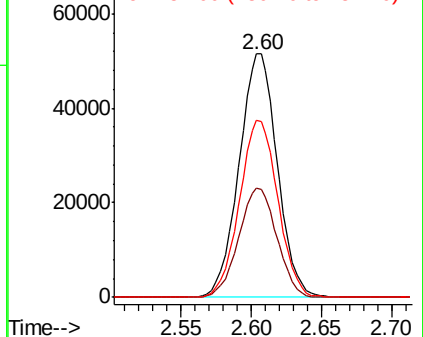
151 73.1 56.9 85.3



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: 4.482 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

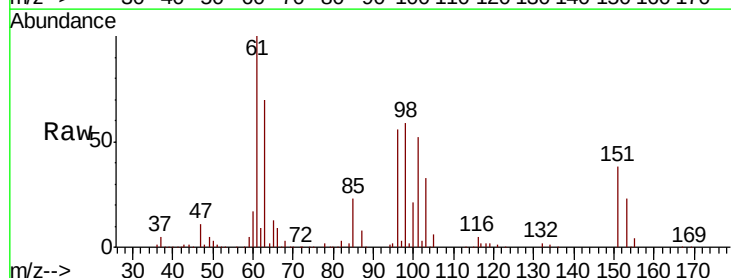
Tgt Ion: 96 Resp: 91199

Ion Ratio Lower Upper

96 100

61 179.8 119.9 222.7

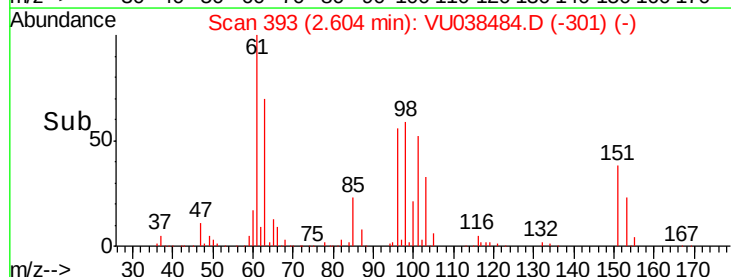
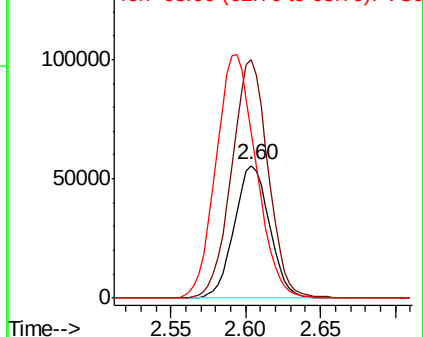
63 125.3 89.9 167.0

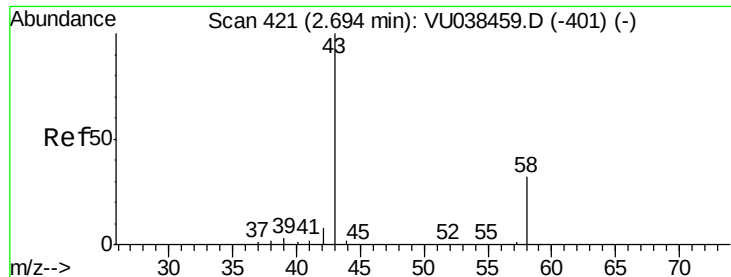


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.858 ug/L

RT: 2.70 min Scan# 422

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

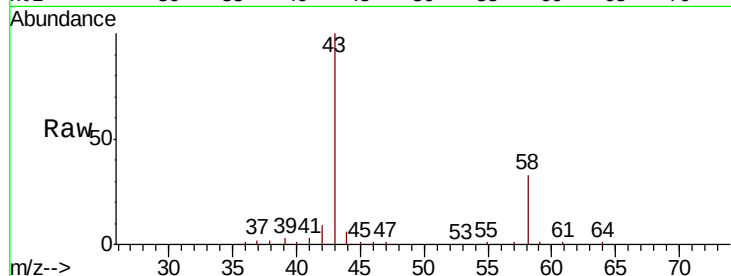
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 199193

Ion Ratio Lower Upper

43 100

58 27.2 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038459.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038459.D (-401) (-)

2.70

30000

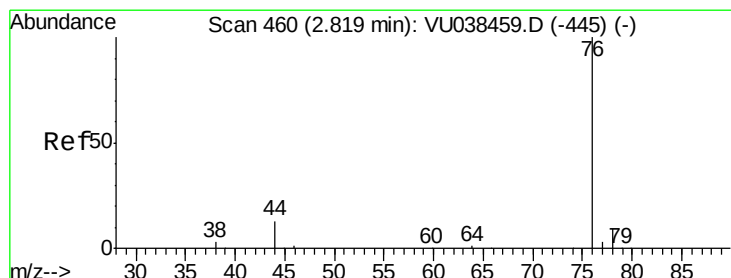
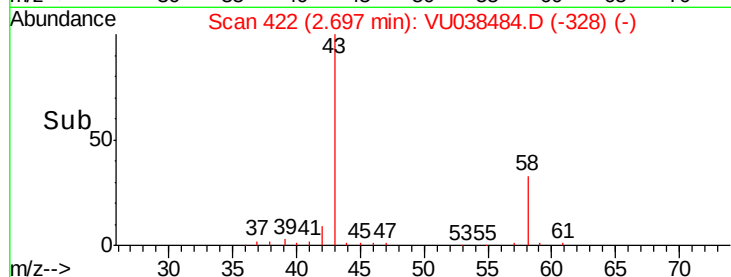
20000

10000

0

2.60 2.70 2.80 2.90

Time-->



#14

Carbon disulfide

Concen: 3.882 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038484.D

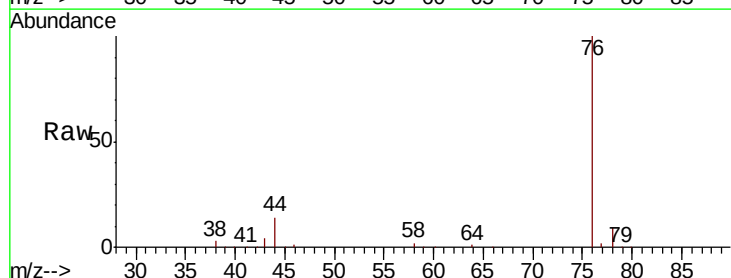
Acq: 02 Jun 2020 09:30

Tgt Ion: 76 Resp: 267992

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038459.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038459.D (-445) (-)

2.82

150000

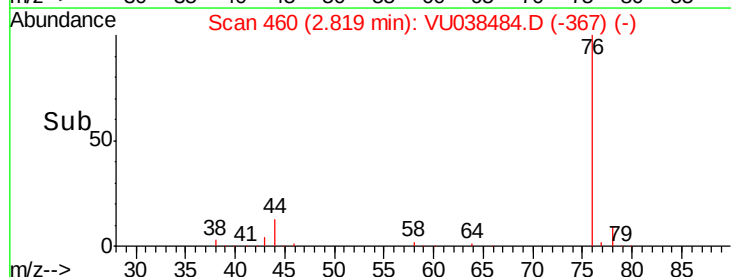
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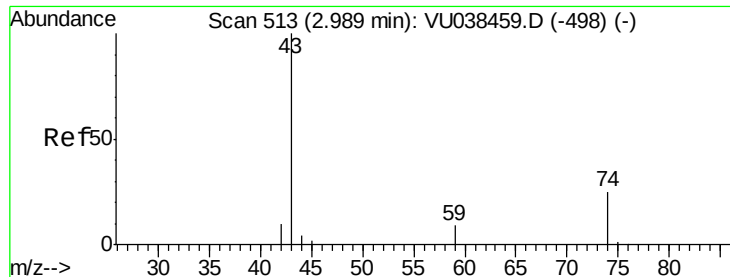
50000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methyl Acetate

Concen: 4.834 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

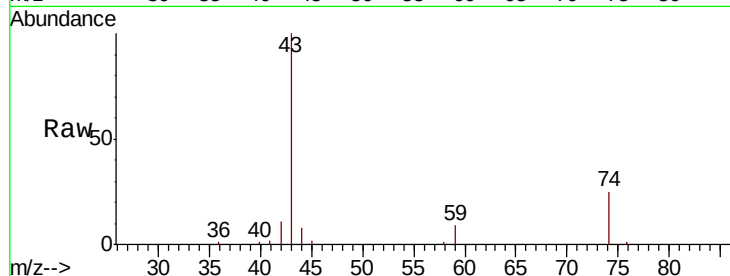
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 50340

Ion Ratio Lower Upper

43 100

74 23.9 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU038484.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU038484.D (-420) (-)

2.99

15000

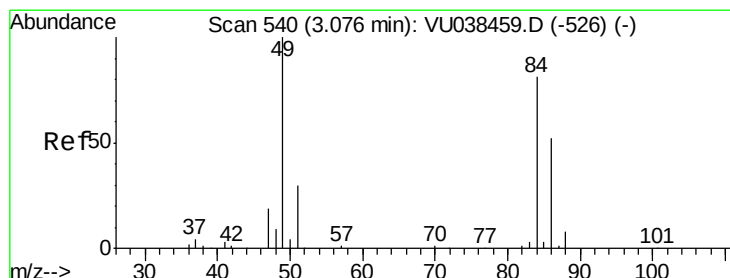
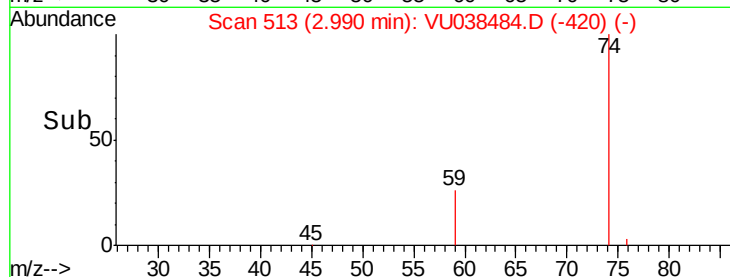
10000

5000

0

Time-->

2.90 3.00 3.10



#16

Methylene chloride

Concen: 4.488 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

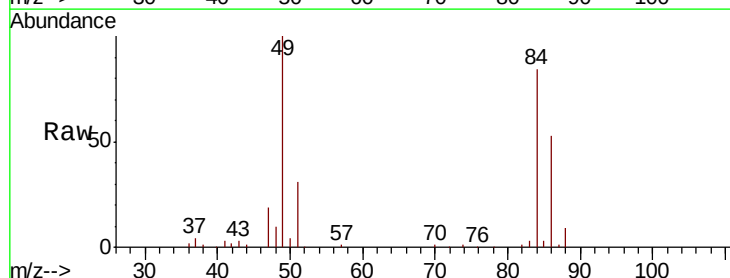
Tgt Ion: 84 Resp: 103335

Ion Ratio Lower Upper

84 100

86 63.9 45.0 83.6

49 119.8 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU038484.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038484.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038484.D (-447) (-)

3.08

80000

60000

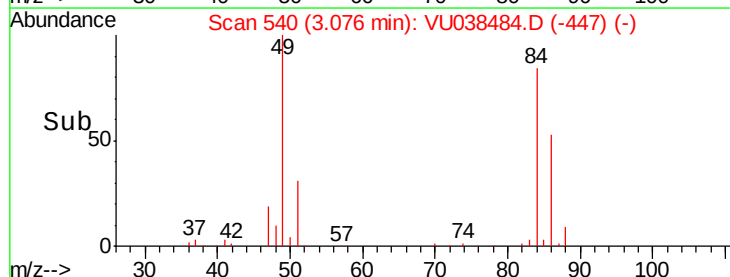
40000

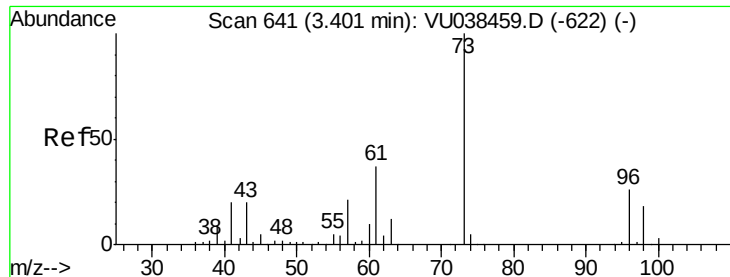
20000

0

Time-->

3.00 3.05 3.10 3.15

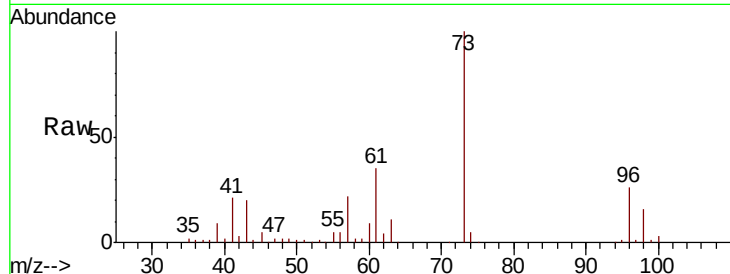




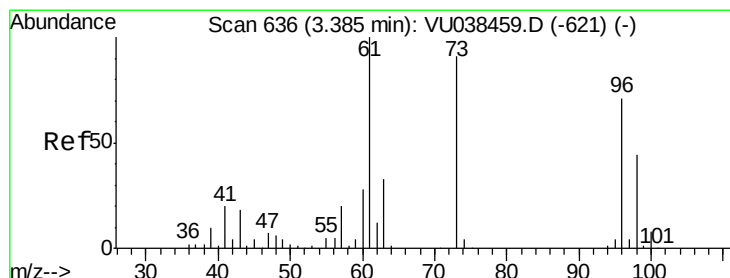
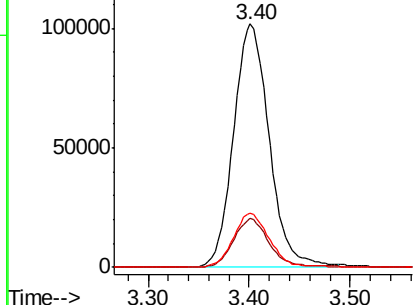
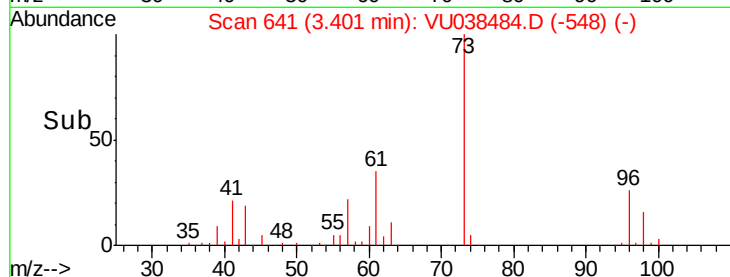
#17
Methyl tert-butyl Ether
Concen: 4.692 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 250348
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 22.5 17.8 26.6

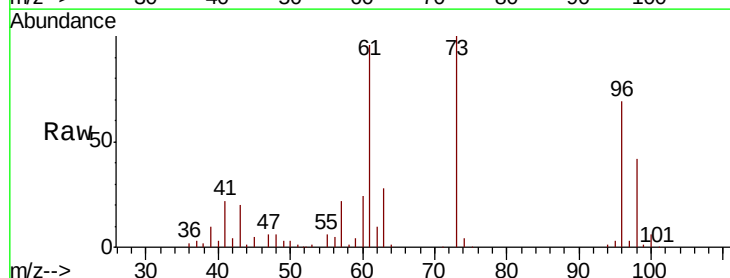


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

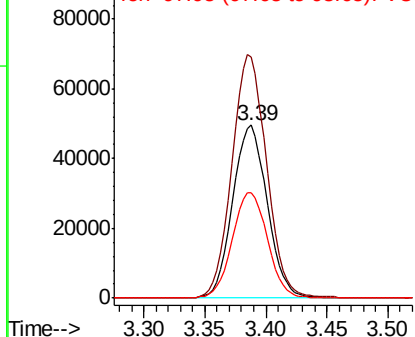
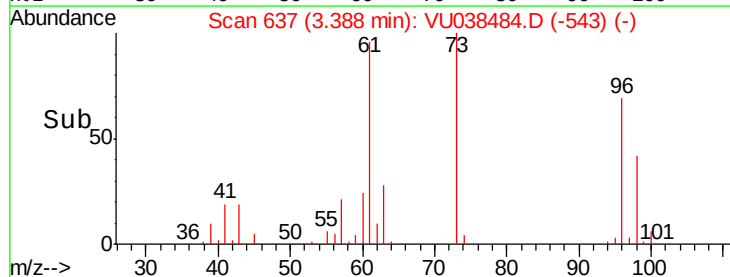


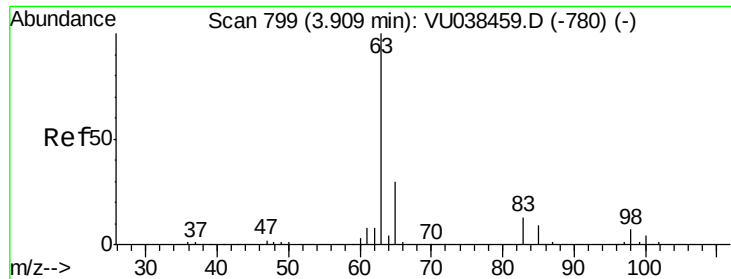
#18
trans-1,2-Dichloroethene
Concen: 4.459 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion: 96 Resp: 97787
Ion Ratio Lower Upper
96 100
61 139.8 100.2 186.0
98 61.2 42.8 79.4



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

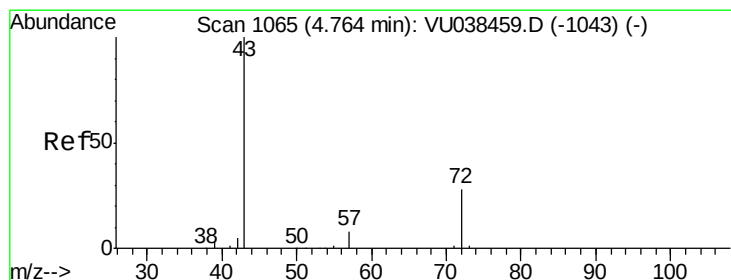
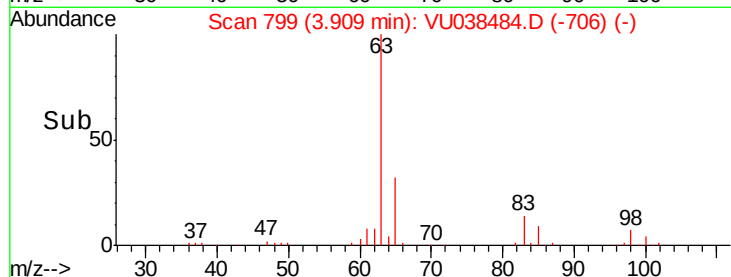
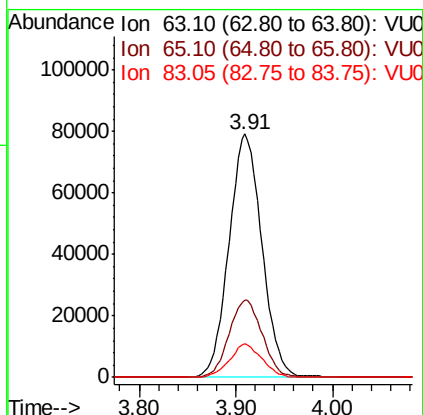
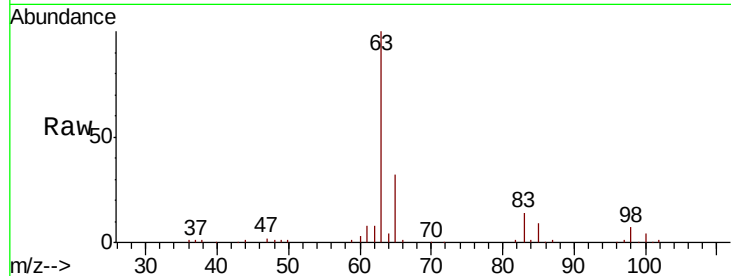




#19
 1,1-Dichloroethane
 Concen: 4.768 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

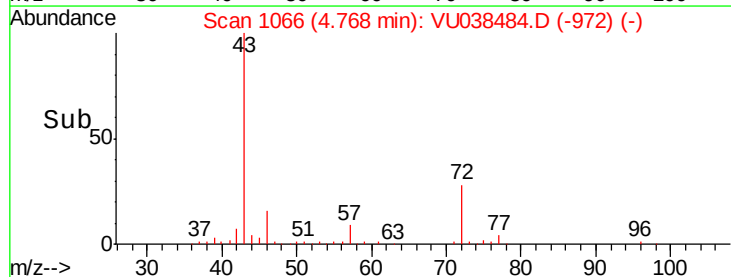
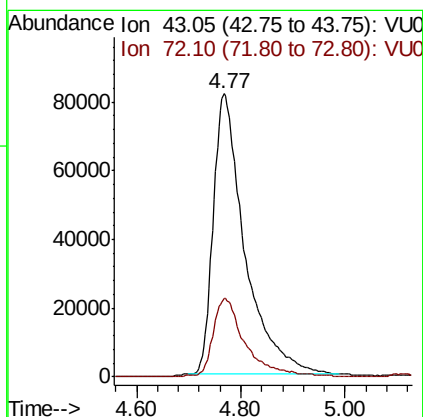
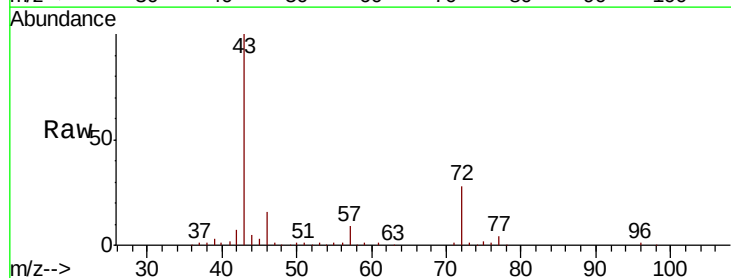
Instrument :
 MSVOA_U
 ClientSampled :

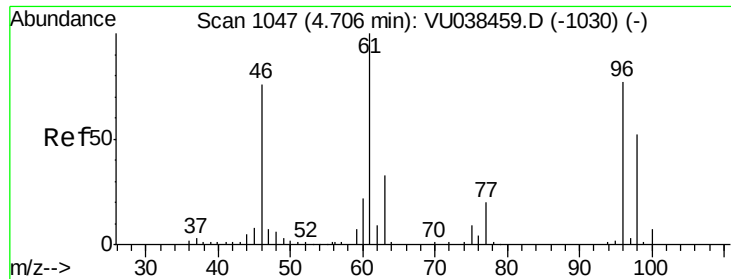
Tot Ion: 63 Resp: 187106
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.5
 83 13.6 10.4 19.4



#21
 2-Butanone
 Concen: 48.133 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion: 43 Resp: 344160
 Ion Ratio Lower Upper
 43 100
 72 26.4 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 4.473 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :
MSVOA_U
ClientSampleId :

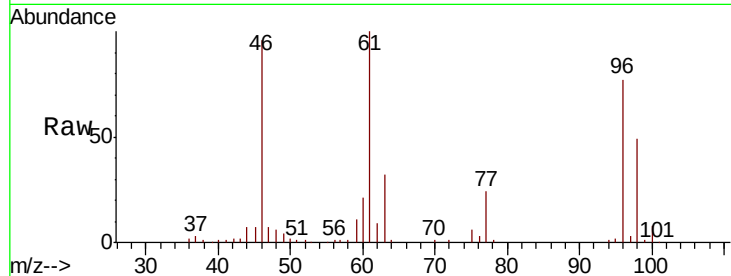
Tot Ion: 96 Resp: 105621

Ion Ratio Lower Upper

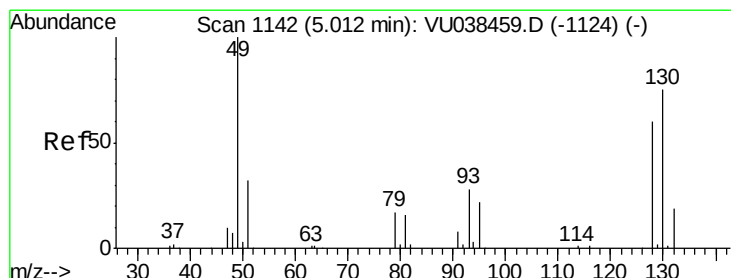
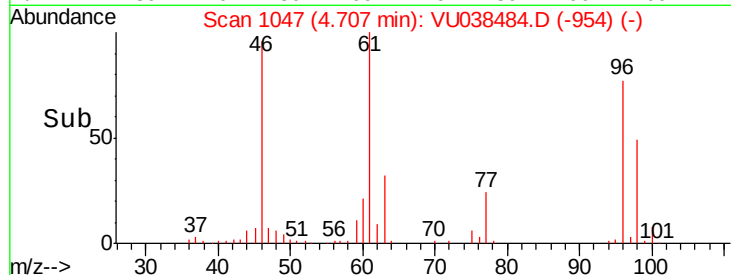
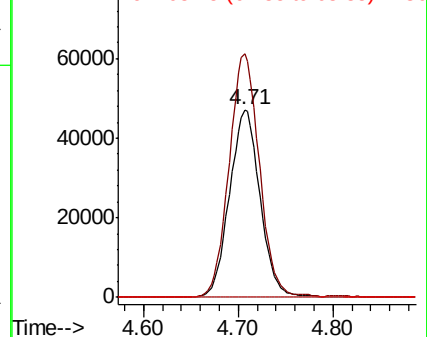
96 100

61 129.7 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.572 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Tgt Ion: 128 Resp: 48584

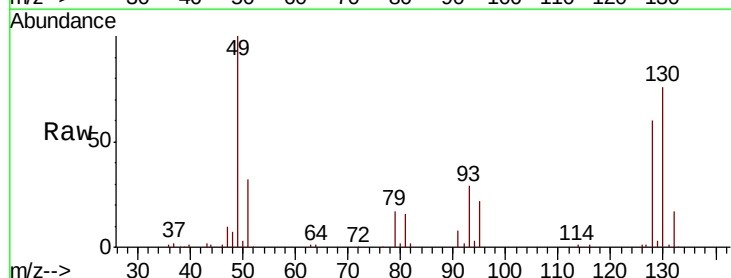
Ion Ratio Lower Upper

128 100

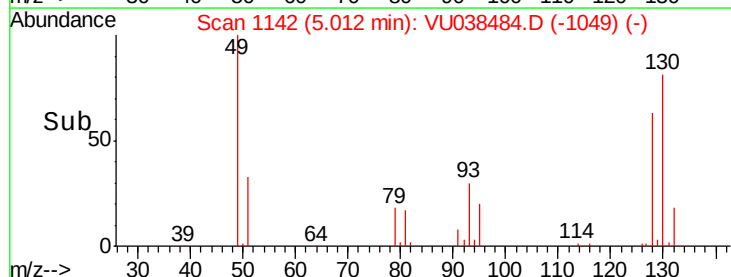
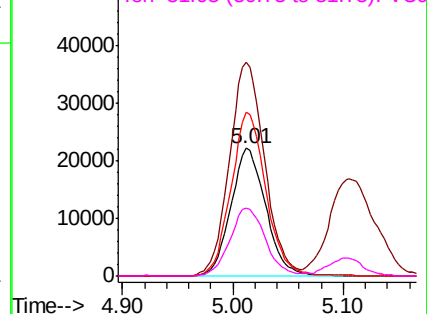
49 167.0 111.9 207.7

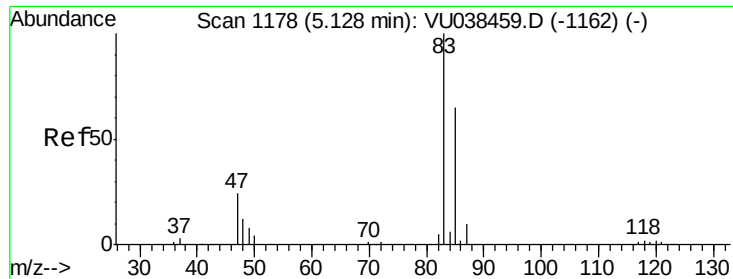
130 127.7 86.5 160.7

51 53.1 41.7 62.5



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

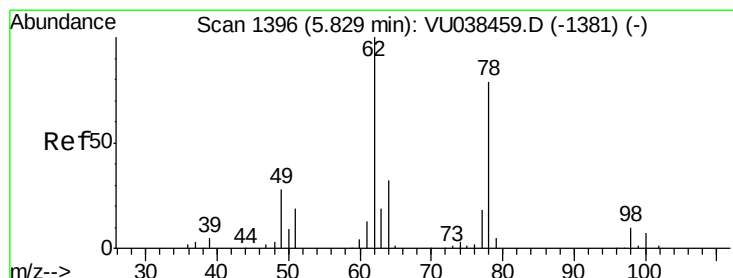
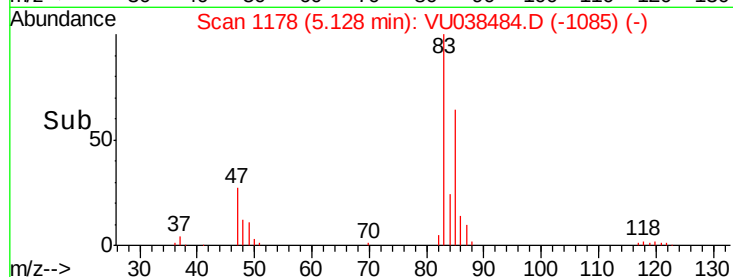
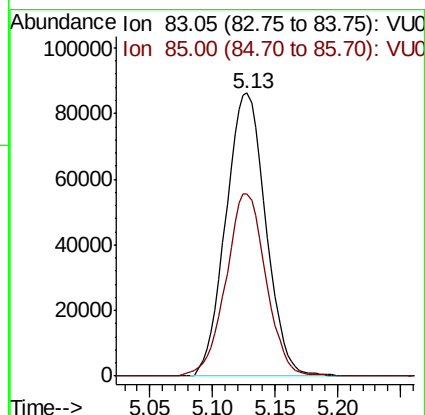
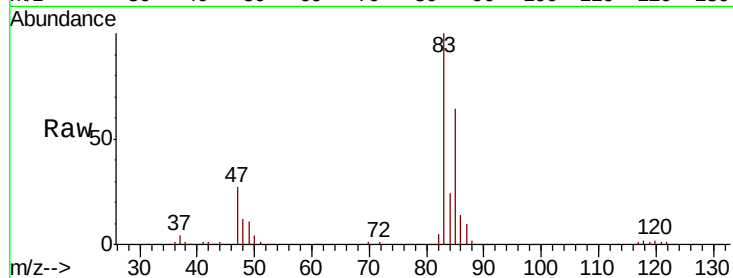




#25
Chloroform
Concen: 4.784 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

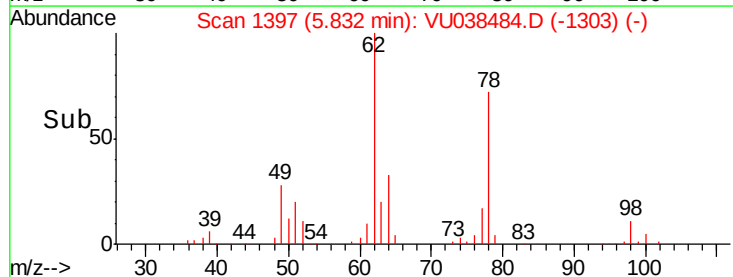
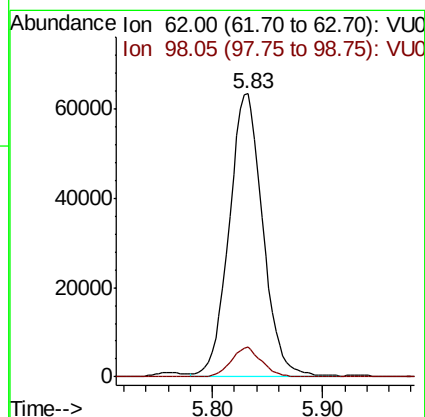
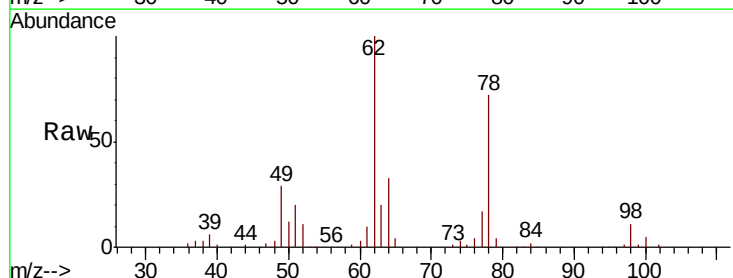
Instrument :
MSVOA_U
ClientSampled :

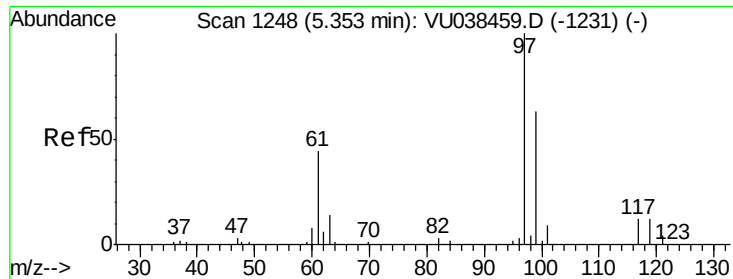
Tot Ion: 83 Resp: 190707
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.751 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion: 62 Resp: 133332
Ion Ratio Lower Upper
62 100
98 10.6 7.4 11.2

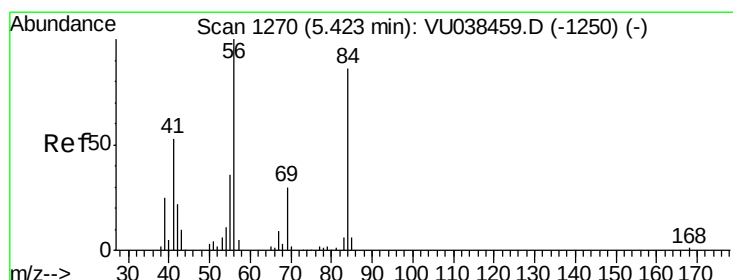
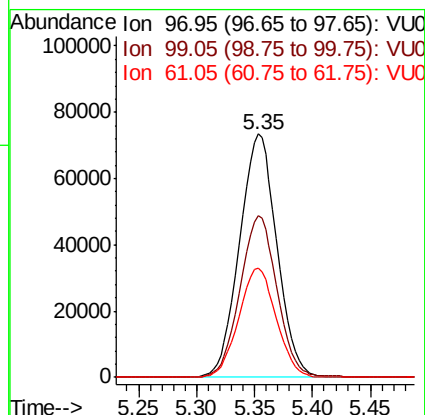
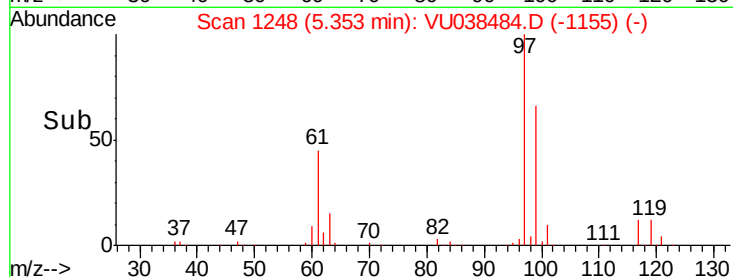
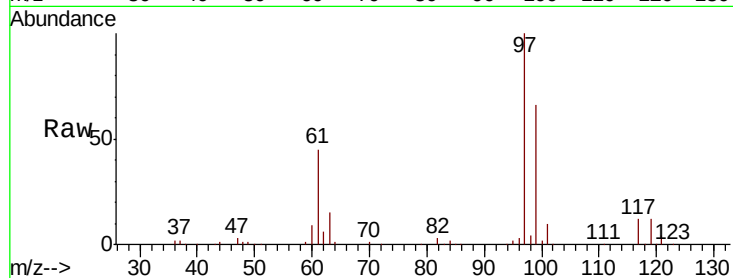




#29
1,1,1-Trichloroethane
Concen: 4.733 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

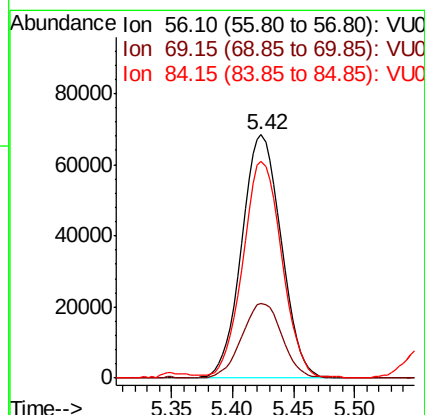
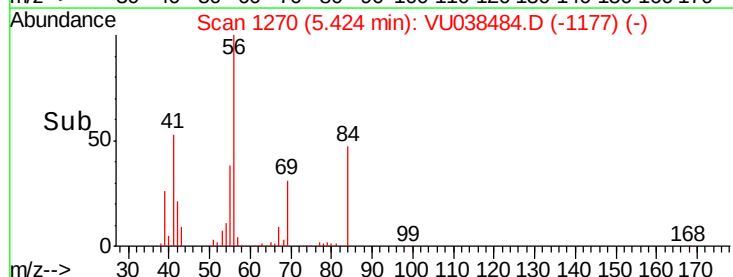
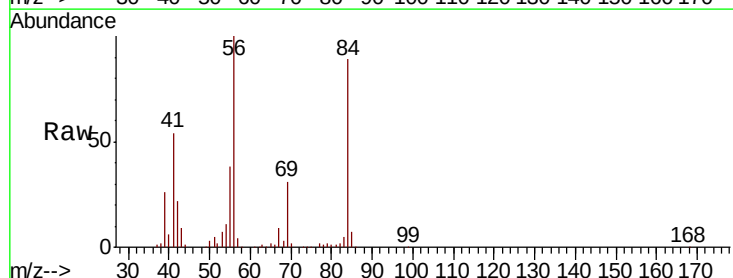
Instrument :
MSVOA_U
ClientSampled :

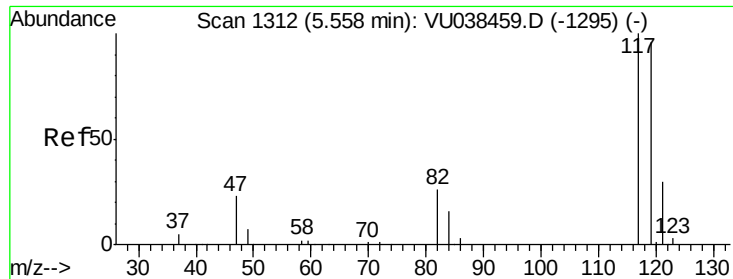
Tot Ion: 97 Resp: 164146
Ion Ratio Lower Upper
97 100
99 66.1 52.2 78.2
61 44.9 35.4 53.2



#30
Cyclohexane
Concen: 4.227 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion: 56 Resp: 153693
Ion Ratio Lower Upper
56 100
69 31.1 24.2 36.4
84 88.0 70.8 106.2





#31

Carbon tetrachloride

Concen: 4.688 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

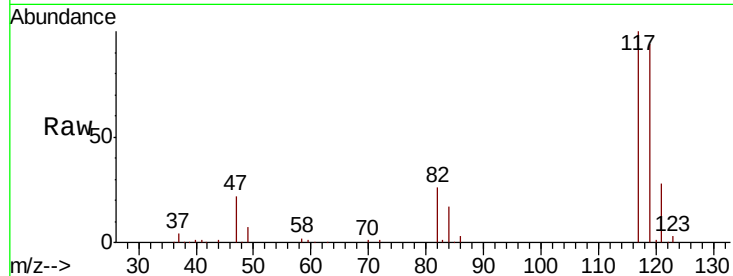
ClientSampleId :

Tot Ion:117 Resp: 135357

Ion Ratio Lower Upper

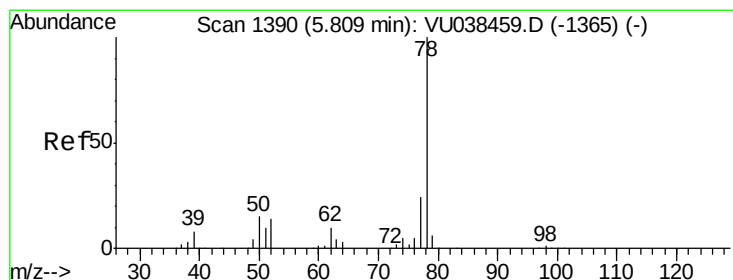
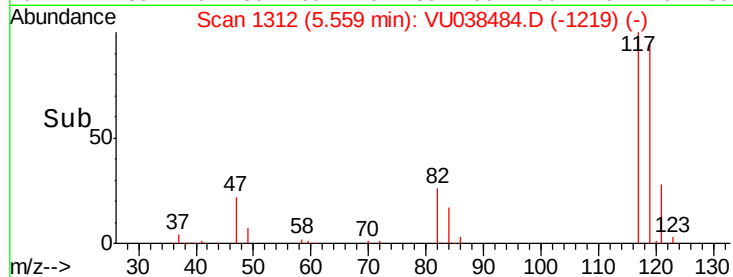
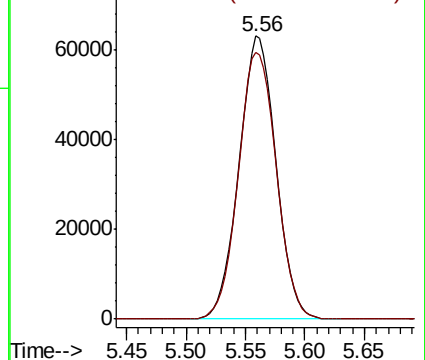
117 100

119 97.2 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.458 ug/L

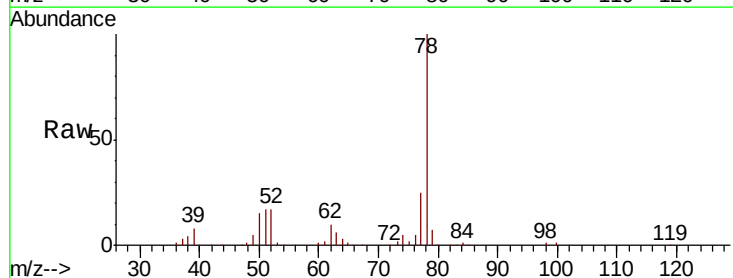
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

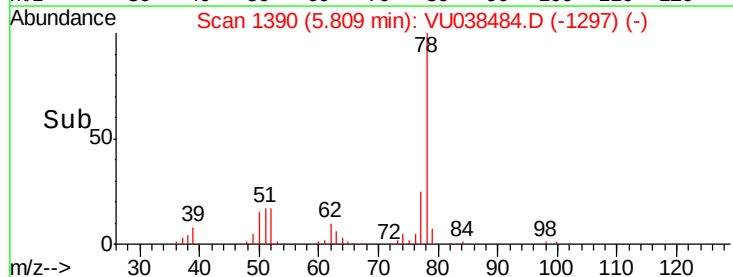
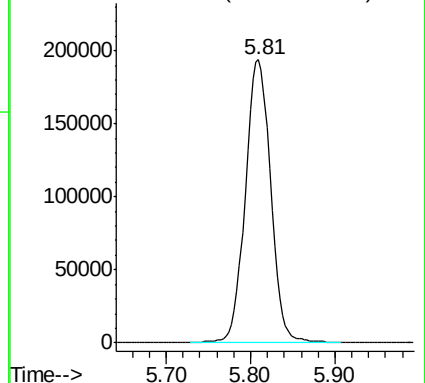
Lab File: VU038484.D

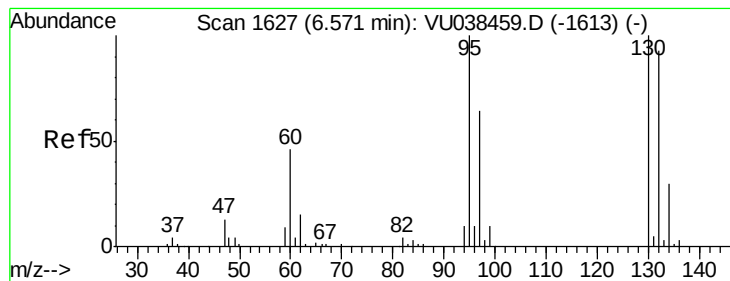
Acq: 02 Jun 2020 09:30

Tgt Ion: 78 Resp: 407406



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.374 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 103756

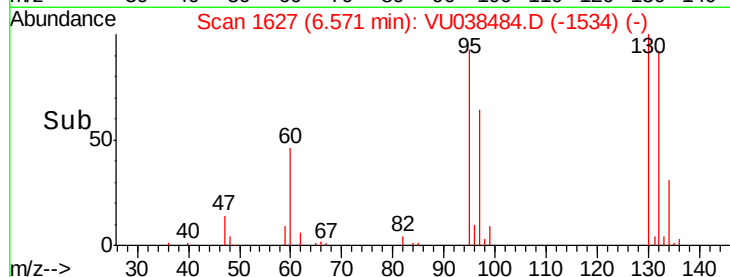
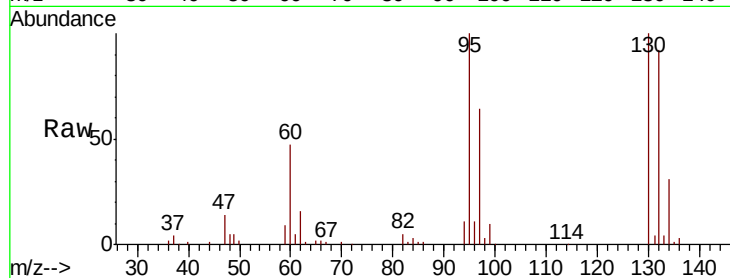
Ion Ratio Lower Upper

95 100

97 63.7 46.8 87.0

132 91.9 66.1 122.7

130 100.2 70.0 130.0



Abundance Ion 95.00 (94.70 to 95.70): VU038484.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038484.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038484.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038484.D (-1534) (-)

Time-->

6.50 6.55 6.60 6.65

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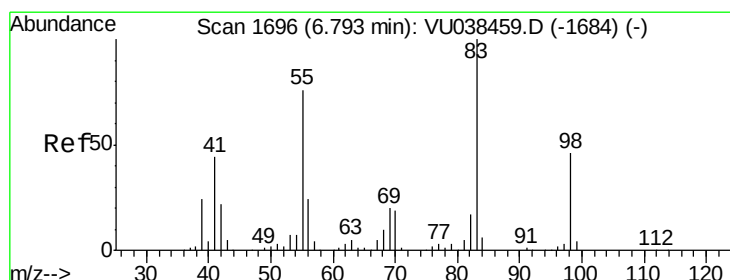
6.57

6.57

6.57

6.57

6.57



#35

Methylcyclohexane

Concen: 4.220 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

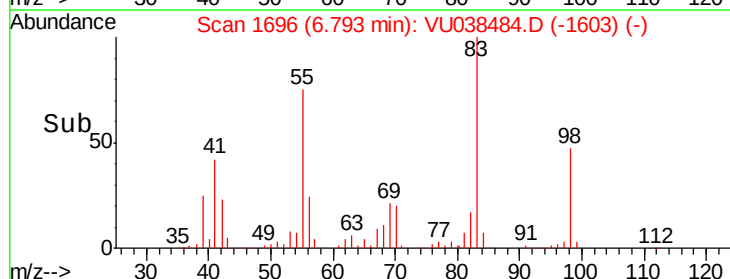
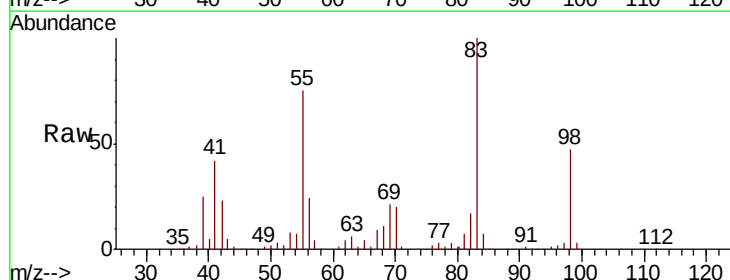
Tgt Ion: 83 Resp: 154970

Ion Ratio Lower Upper

83 100

55 79.8 63.4 95.2

98 49.7 39.0 58.4



Abundance Ion 83.15 (82.85 to 83.85): VU038484.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038484.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038484.D (-1603) (-)

Time-->

6.70 6.75 6.80 6.85 6.90

6.79

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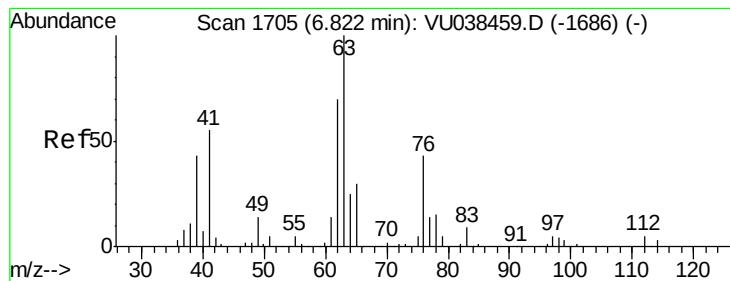
6.79

6.79

6.79

6.79

6.79



#37

1,2-Dichloropropane

Concen: 4.561 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

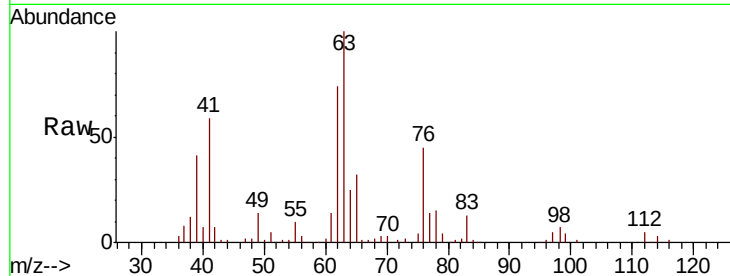
ClientSampled :

Tot Ion: 63 Resp: 104875

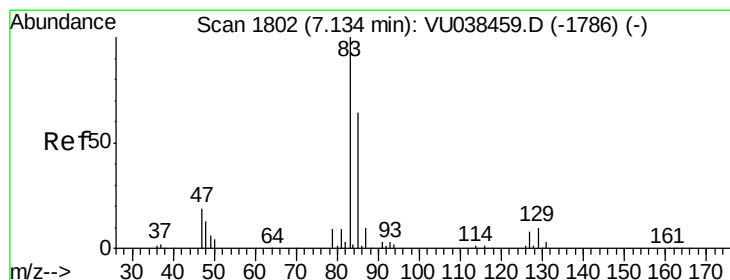
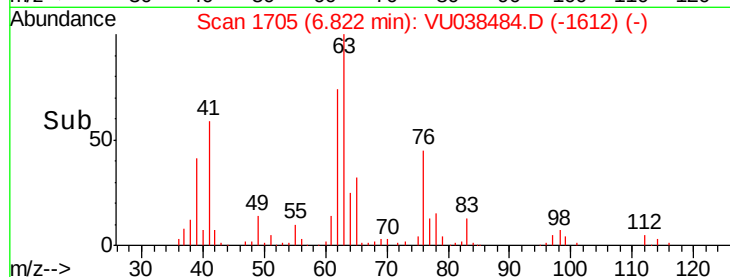
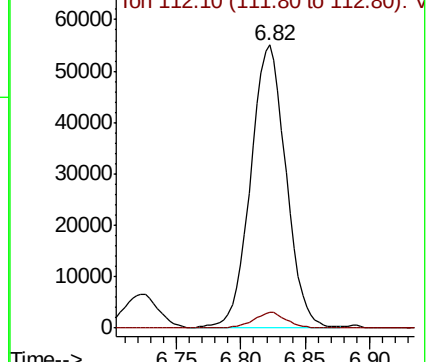
Ion Ratio Lower Upper

63 100

112 5.1 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038459.D (-1686) (-)



#38

Bromodichloromethane

Concen: 4.819 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

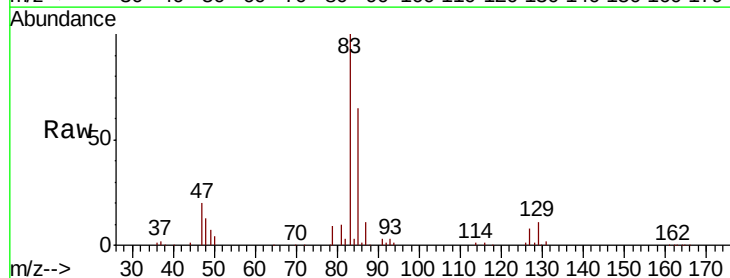
Tgt Ion: 83 Resp: 137640

Ion Ratio Lower Upper

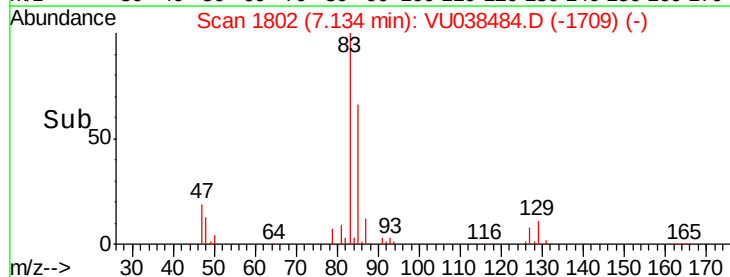
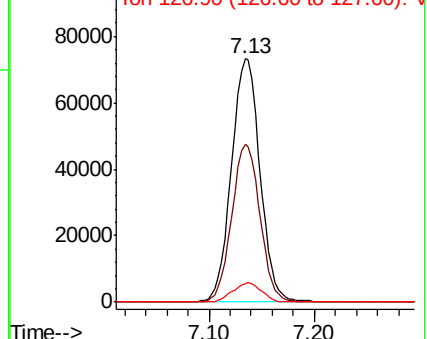
83 100

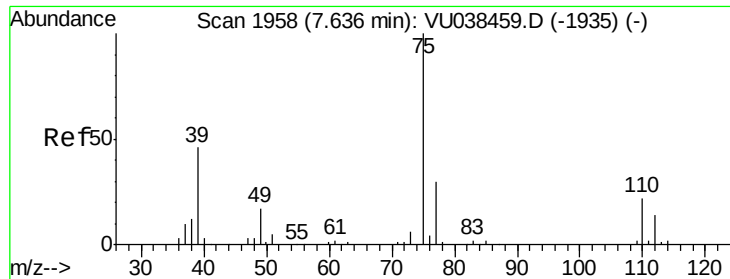
85 64.8 44.7 83.1

127 7.7 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038459.D (-1786) (-)

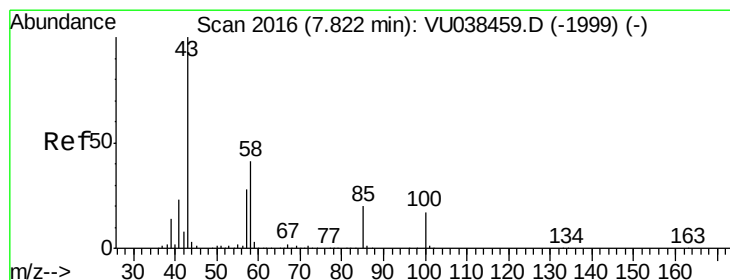
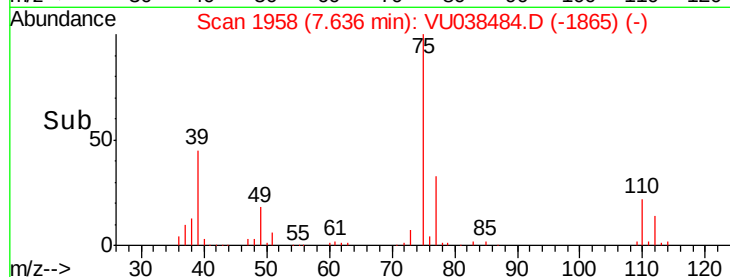
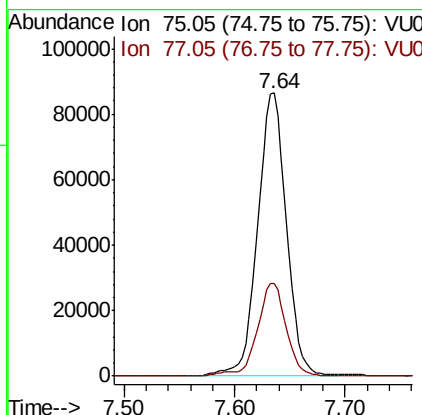
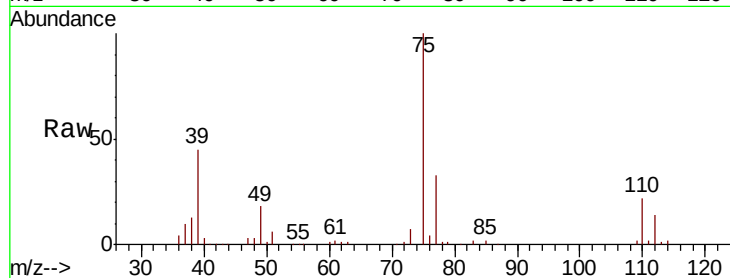




#39
 cis-1,3-Dichloropropene
 Concen: 4.601 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

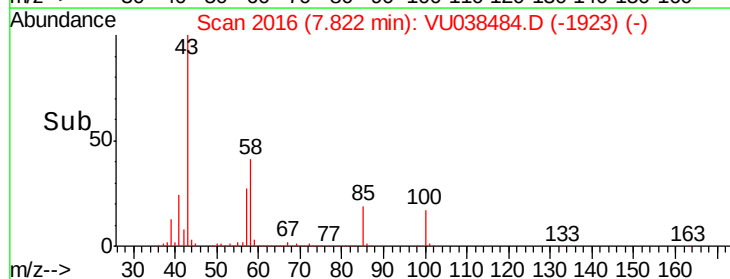
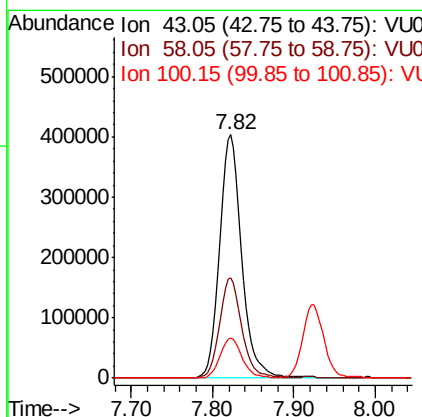
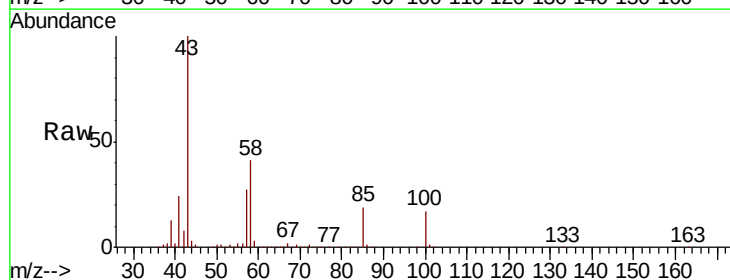
Instrument :
 MSVOA_U
 ClientSampleId :

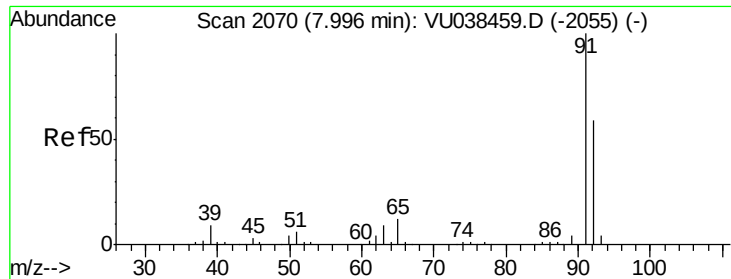
Tot Ion: 75 Resp: 156370
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 47.246 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion: 43 Resp: 777030
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.4 48.6
 100 16.5 13.3 19.9





#42

Toluene

Concen: 4.541 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

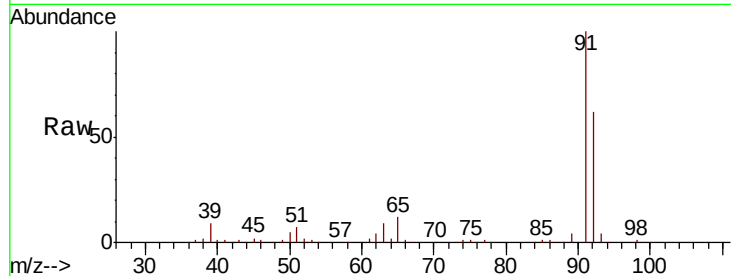
ClientSampled :

Tot Ion: 91 Resp: 435285

Ion Ratio Lower Upper

91 100

92 61.6 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038459.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038459.D (-2055) (-)

7.99

250000

200000

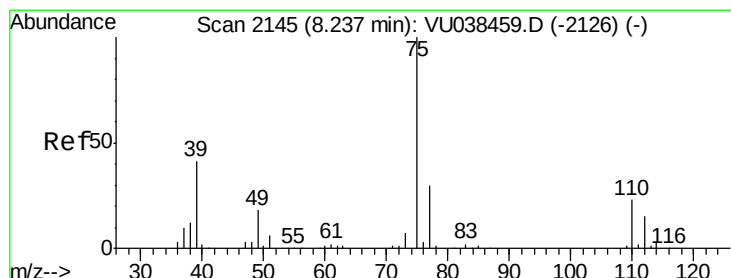
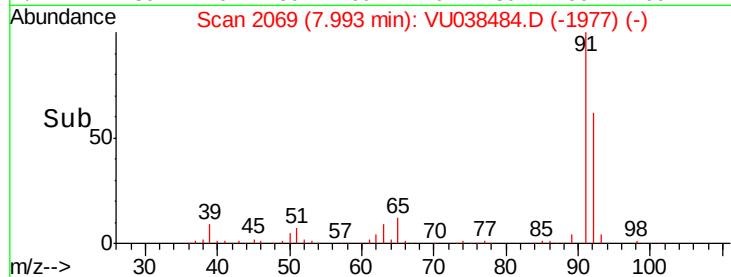
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.617 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038484.D

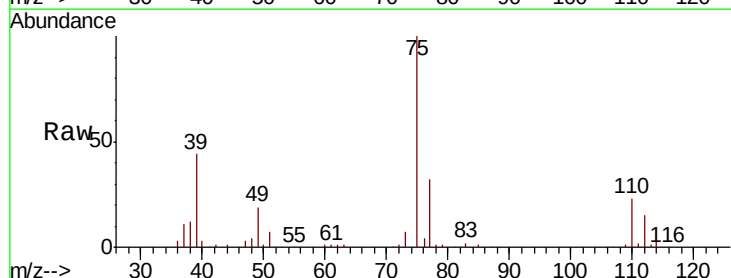
Acq: 02 Jun 2020 09:30

Tgt Ion: 75 Resp: 138590

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038459.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU038459.D (-2126) (-)

8.23

80000

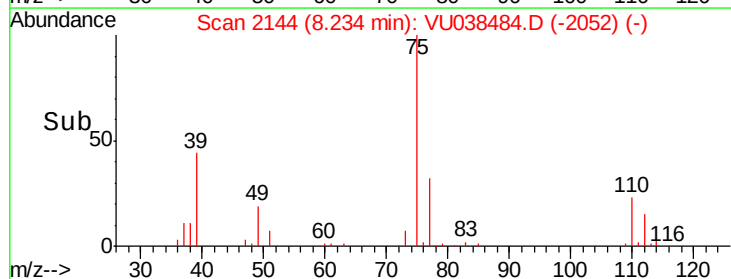
60000

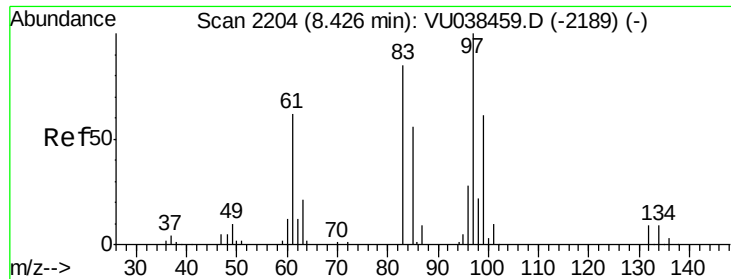
40000

20000

0

Time-->

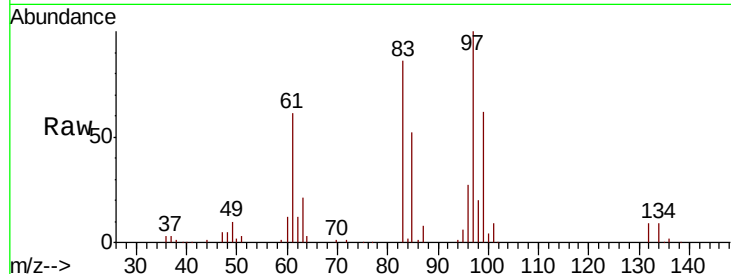




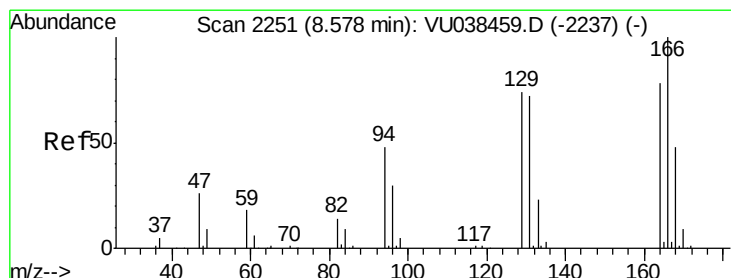
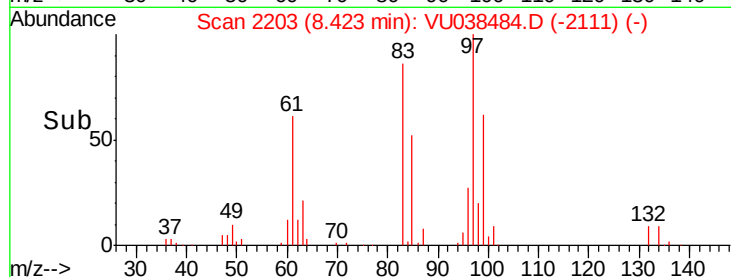
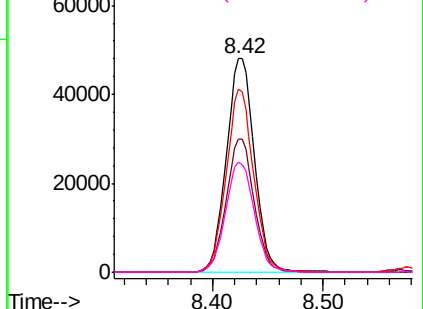
#45
 1,1,2-Trichloroethane
 Concen: 4.899 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	84999
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.1	78.1
83	85.7	58.8	109.2
85	51.6	37.4	69.4

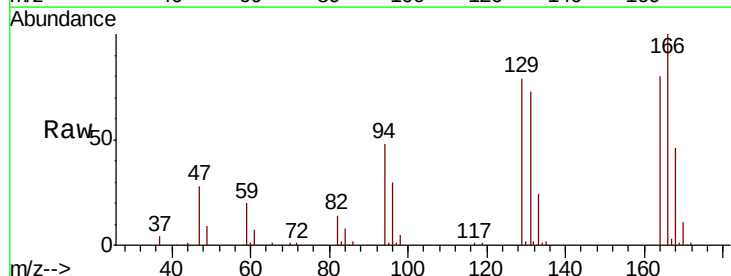


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

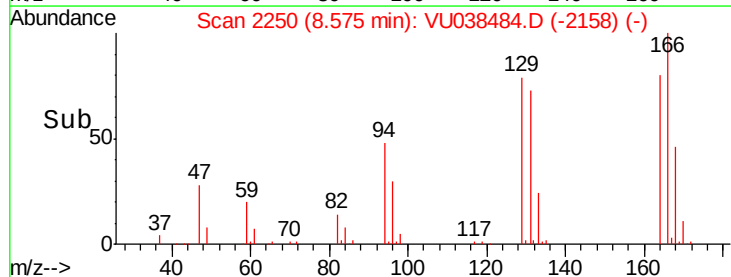
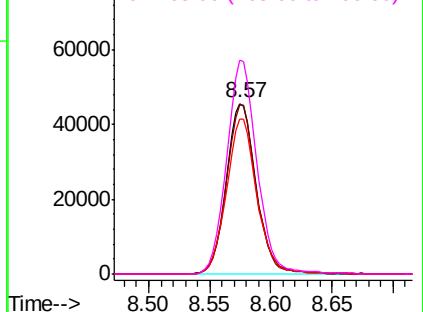


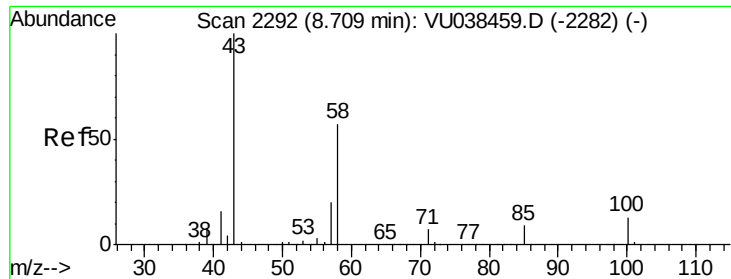
#47
 Tetrachloroethene
 Concen: 4.543 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion:	164	Resp:	78292
Ion	Ratio	Lower	Upper
164	100		
129	99.1	67.4	125.2
131	90.8	64.1	119.1
166	125.0	85.7	159.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

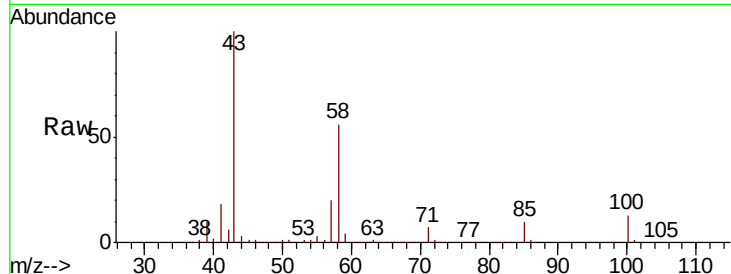




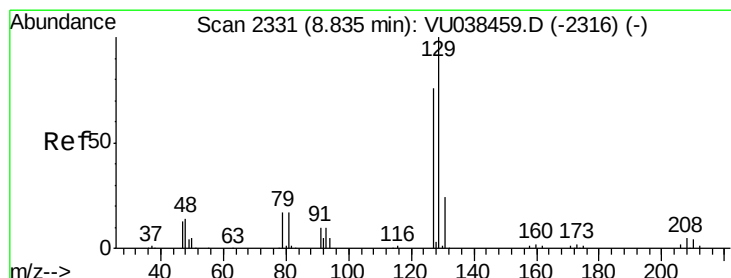
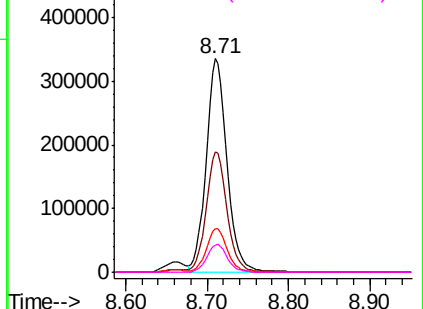
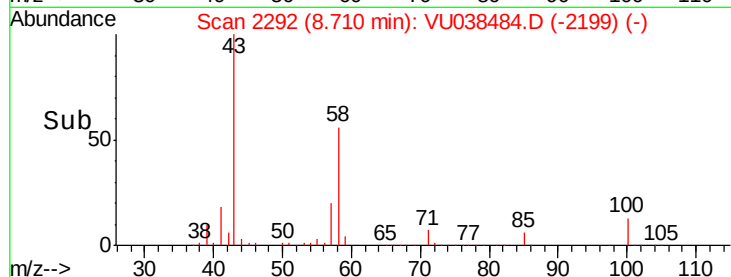
#48
2-Hexanone
Concen: 48.141 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	599602
Ion	Ratio	Lower	Upper
43	100		
58	56.0	45.4	68.0
57	20.7	15.9	23.9
100	13.0	10.5	15.7

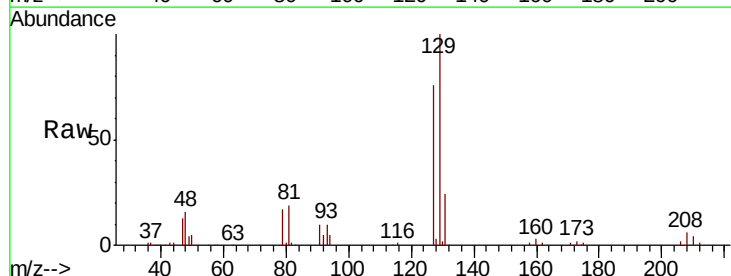


Abundance Ion 43.05 (42.75 to 43.75): VU038484.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VU038484.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VU038484.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VU038484.D (-2199) (-)

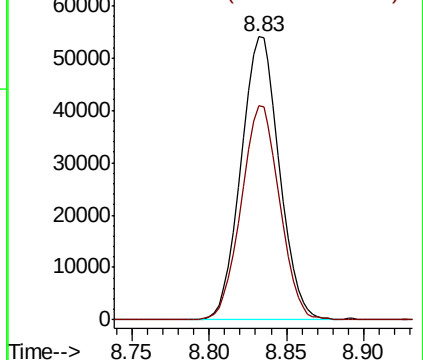
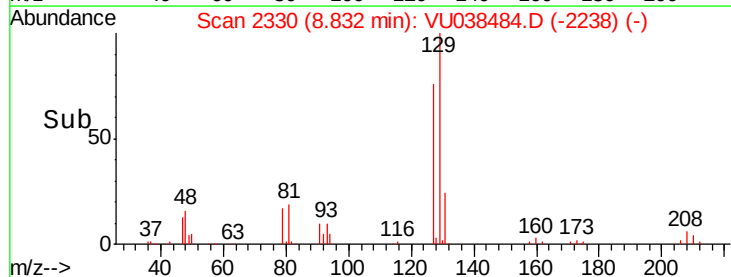


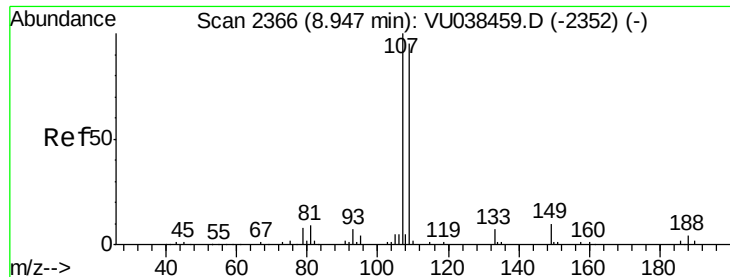
#49
Dibromochloromethane
Concen: 4.974 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion:	129	Resp:	93151
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038484.D (-2238) (-)
Ion 126.90 (126.60 to 127.60): VU038484.D (-2238) (-)

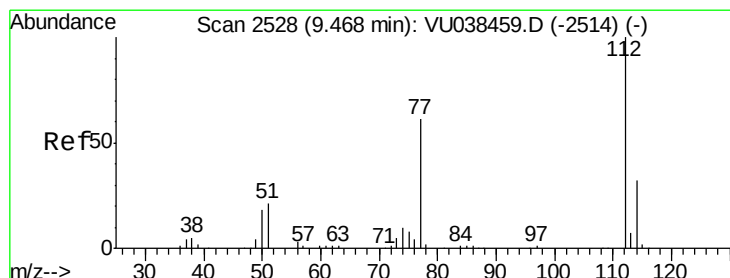
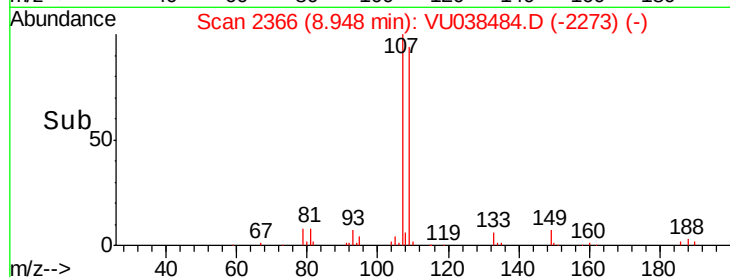
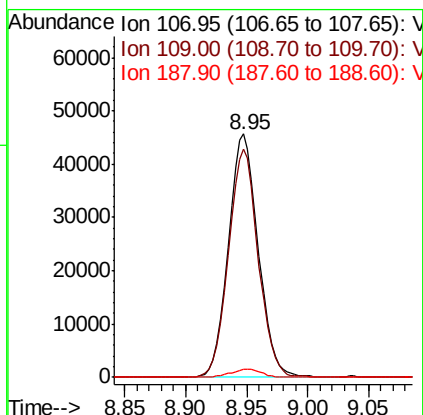
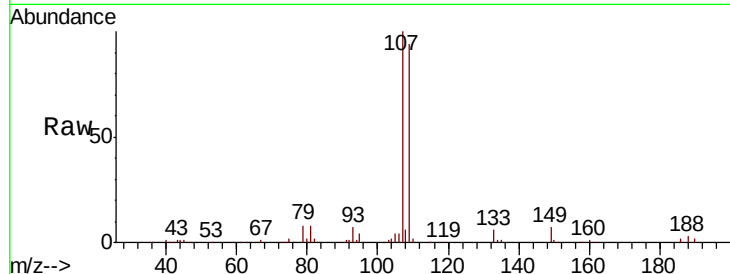




#50
 1,2-Dibromoethane
 Concen: 4.677 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

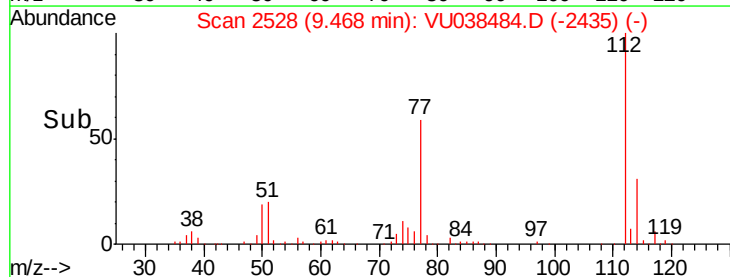
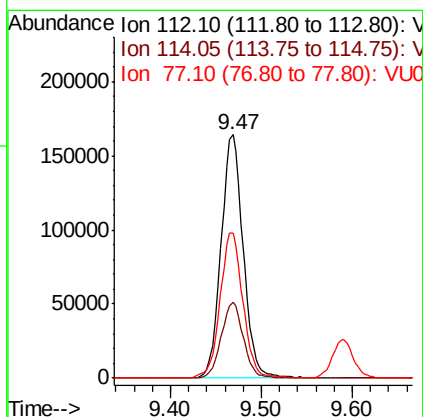
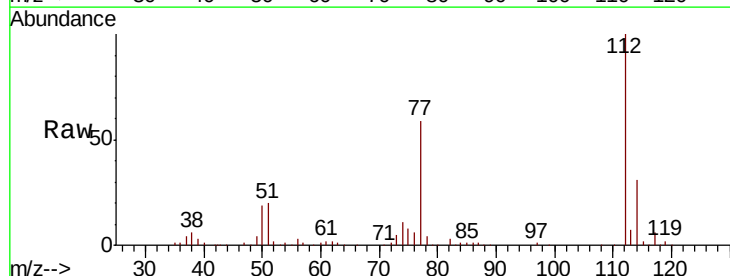
Instrument :
 MSVOA_U
 ClientSampleId :

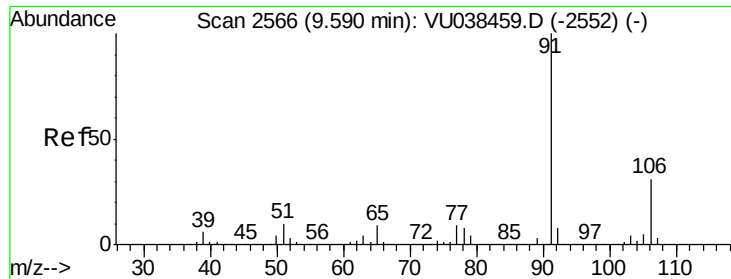
Tot Ion:107 Resp: 77701
 Ion Ratio Lower Upper
 107 100
 109 93.8 67.0 124.4
 188 3.3 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.486 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion:112 Resp: 277299
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.4 41.6
 77 59.3 47.1 70.7

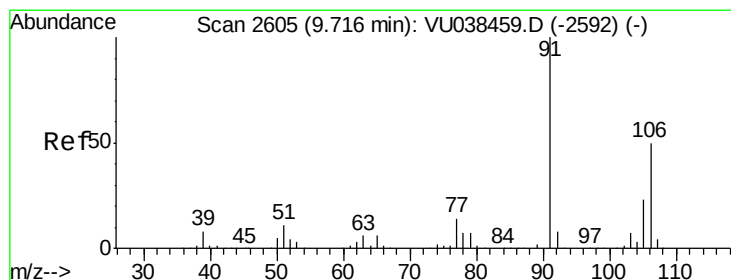
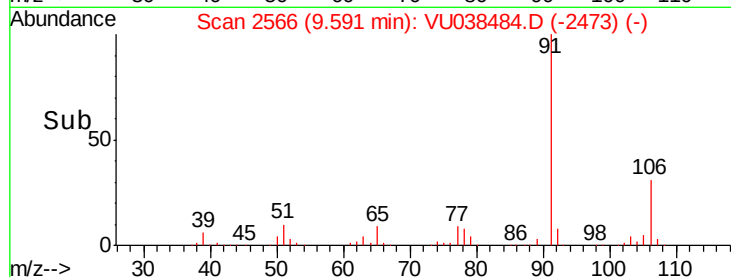
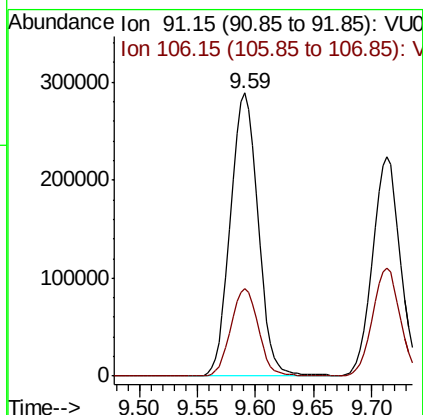
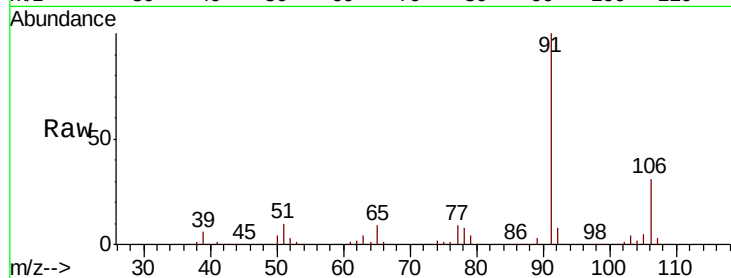




#52
Ethylbenzene
Concen: 4.465 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

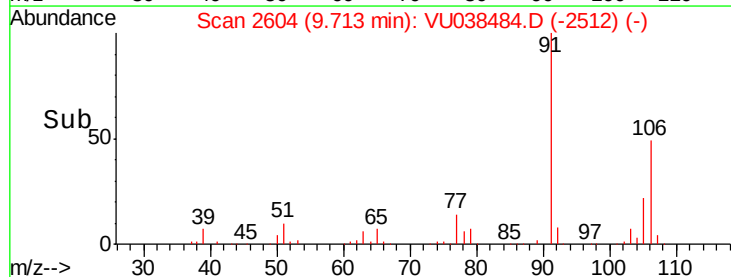
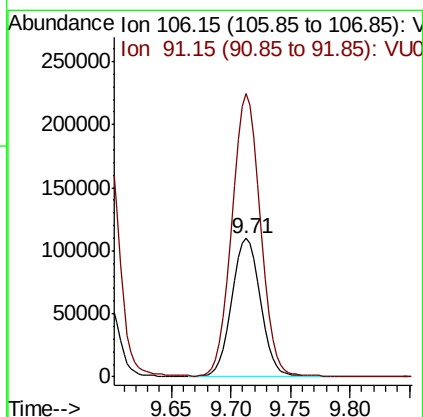
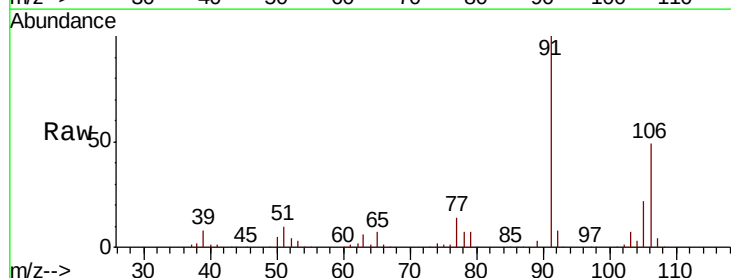
Instrument :
MSVOA_U
ClientSampled :

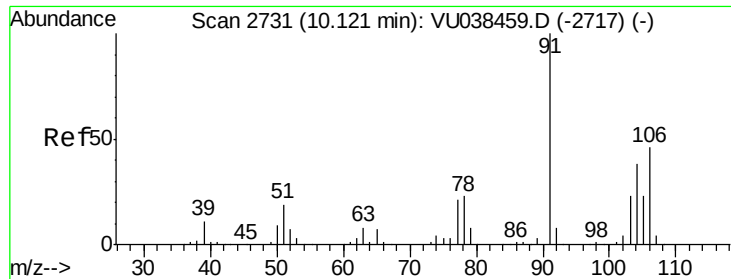
Tot Ion: 91 Resp: 476197
Ion Ratio Lower Upper
91 100
106 30.8 21.7 40.3



#53
m,p-Xylene
Concen: 4.508 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion: 106 Resp: 184895
Ion Ratio Lower Upper
106 100
91 204.3 138.1 256.5

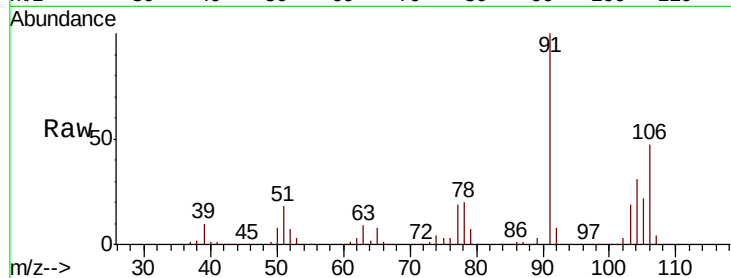




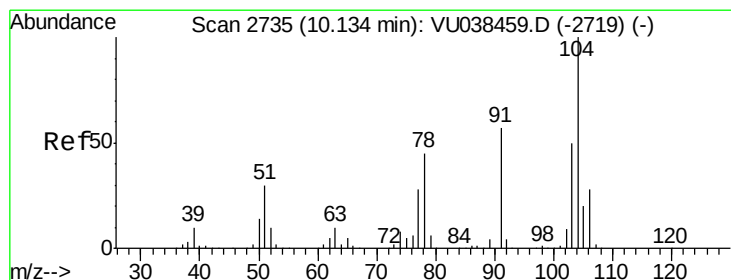
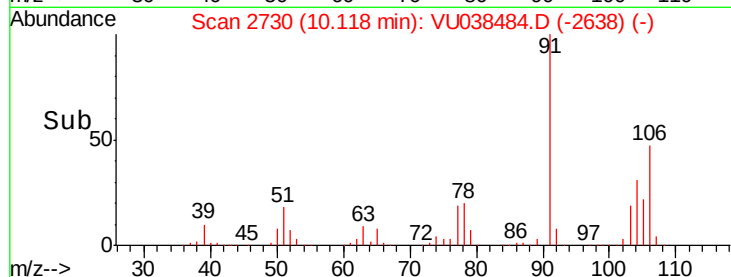
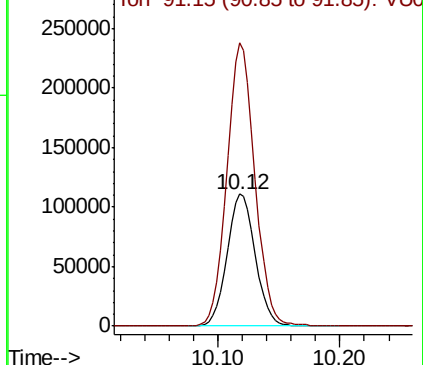
#54
o-Xylene
Concen: 4.547 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 179008
Ion Ratio Lower Upper
106 100
91 214.7 150.6 279.8

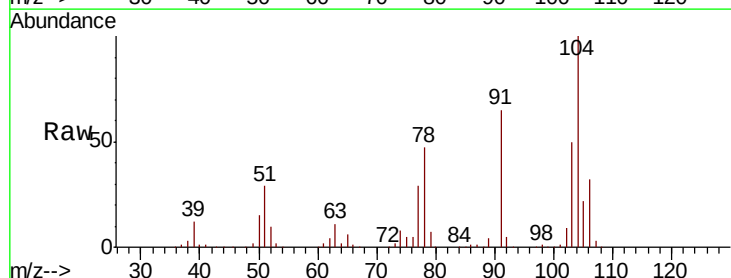


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

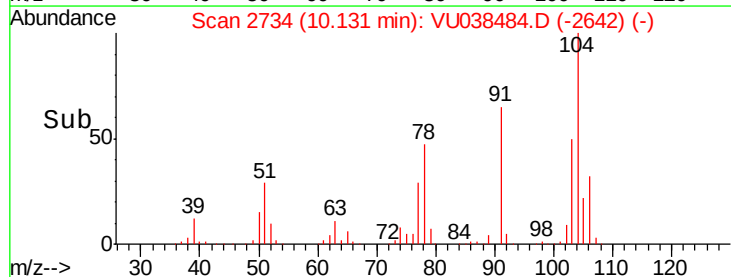
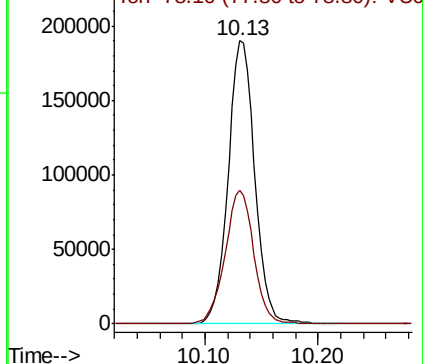


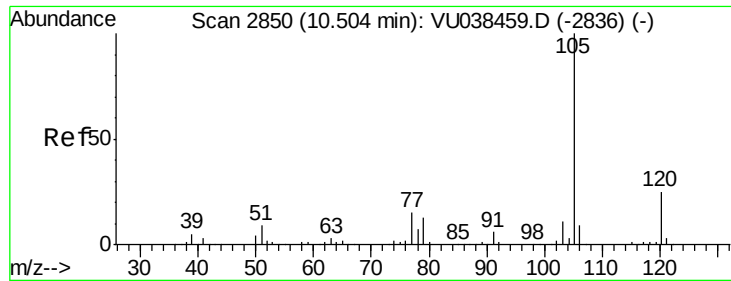
#55
Styrene
Concen: 4.653 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038484.D
Acq: 02 Jun 2020 09:30

Tgt Ion:104 Resp: 310995
Ion Ratio Lower Upper
104 100
78 47.4 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.604 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

ClientSampleId :

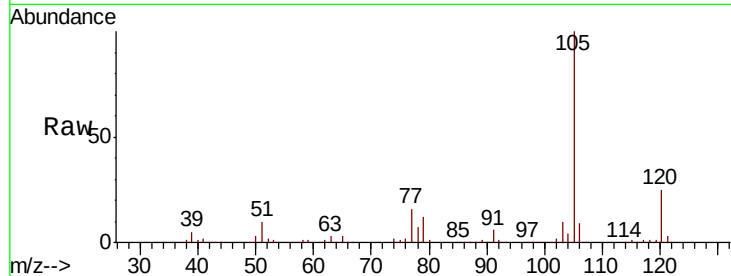
Tot Ion:105 Resp: 477107

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

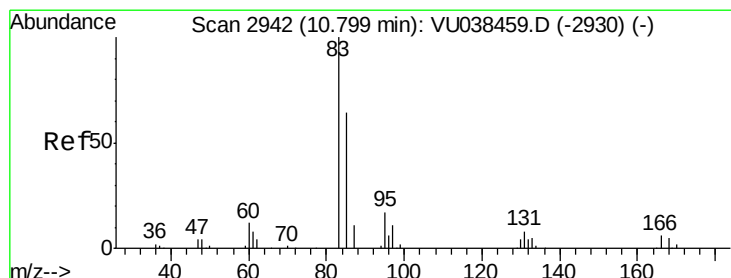
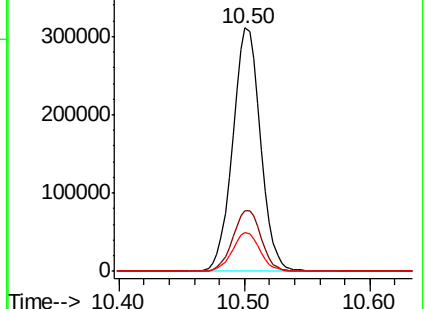
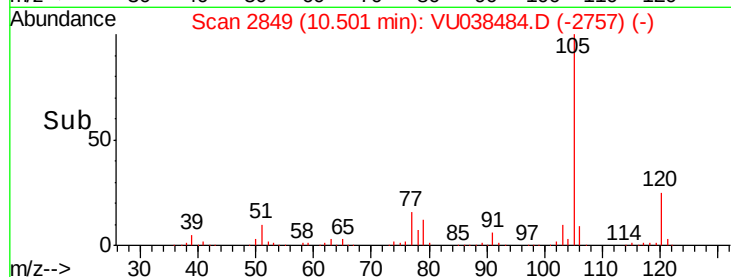
77 15.9 12.5 18.7



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: 4.666 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

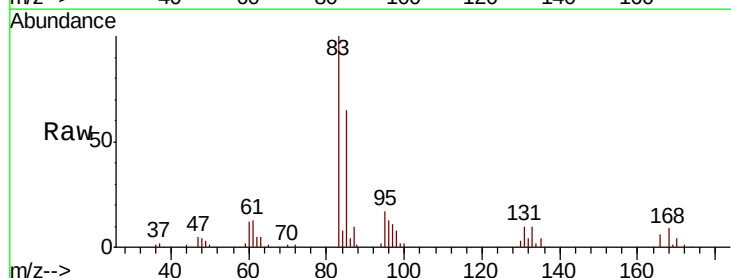
Tgt Ion: 83 Resp: 102886

Ion Ratio Lower Upper

83 100

85 65.4 44.2 82.0

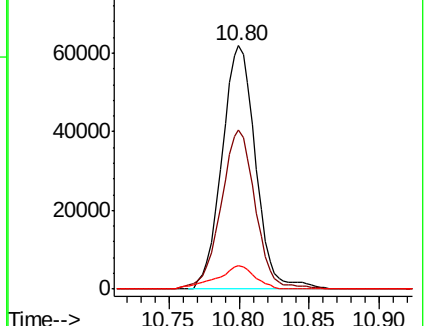
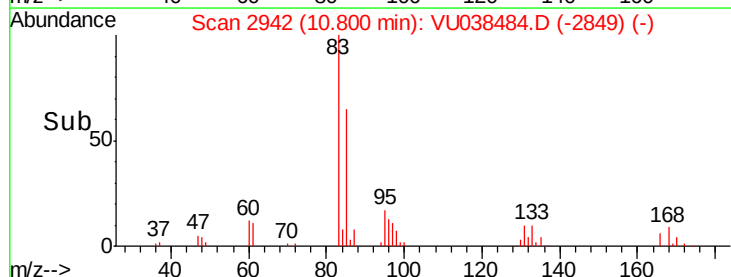
131 9.7 8.1 12.1

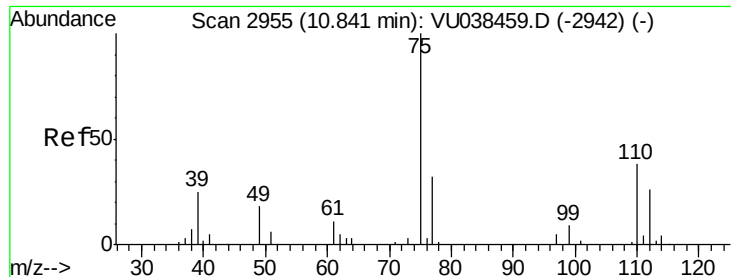


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

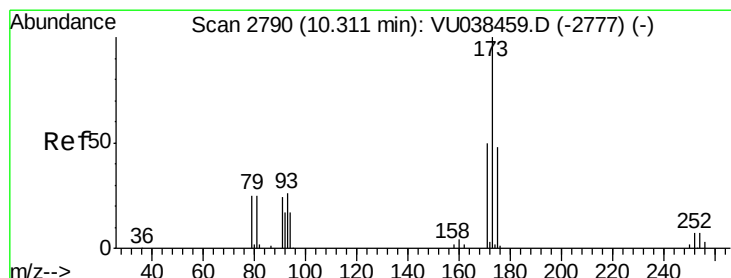
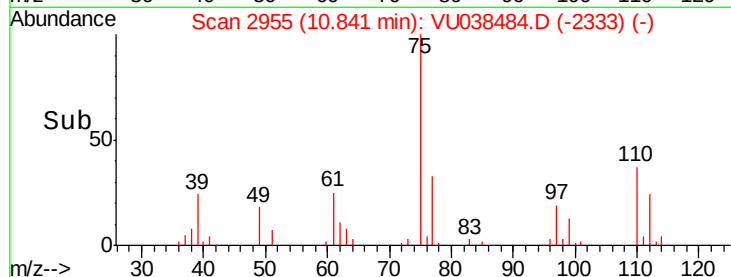
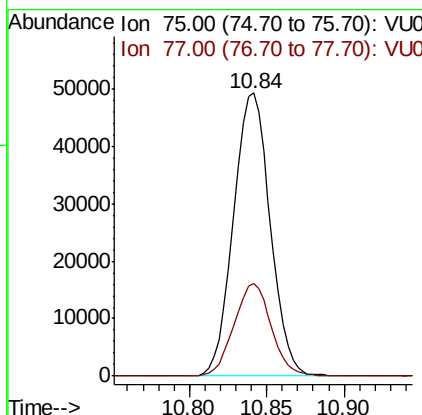
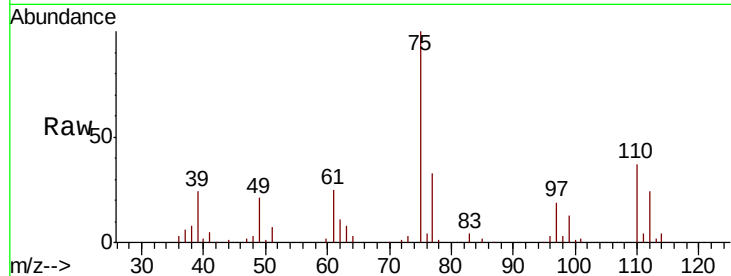




#59
 1,2,3-Trichloropropane
 Concen: 4.727 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

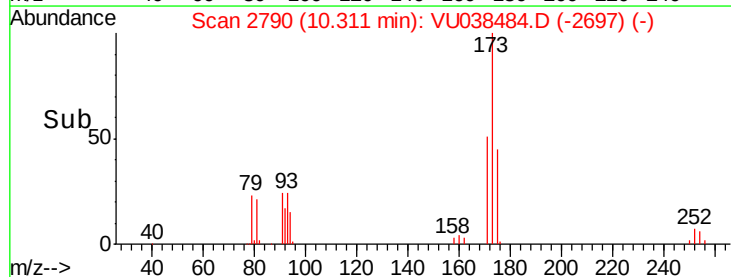
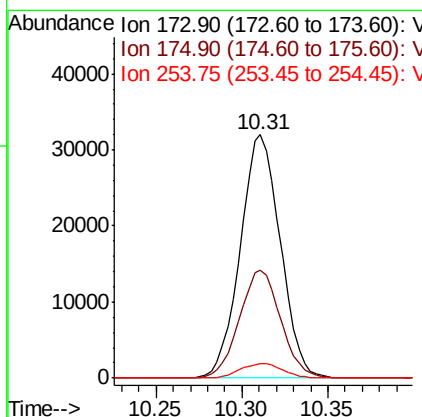
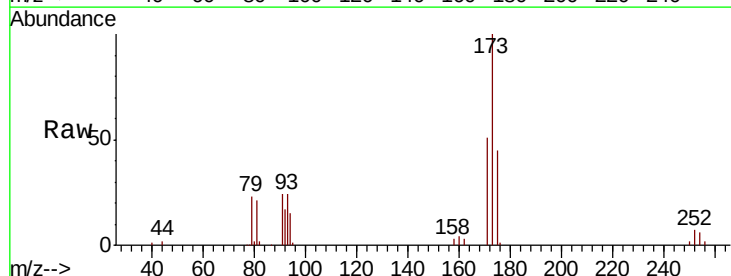
Instrument :
 MSVOA_U
 ClientSampled :

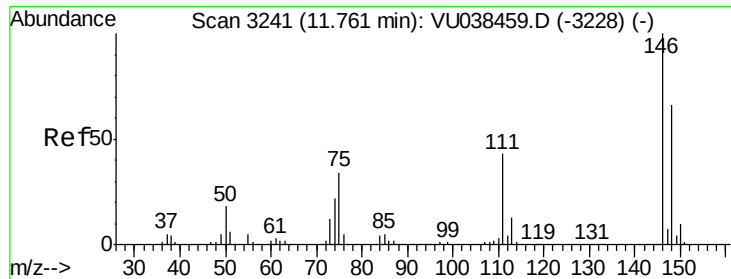
Tot Ion: 75 Resp: 81138
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#61
 Bromoform
 Concen: 5.090 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion: 173 Resp: 51674
 Ion Ratio Lower Upper
 173 100
 175 45.9 38.7 58.1
 254 6.2 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 4.729 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

ClientSampleId :

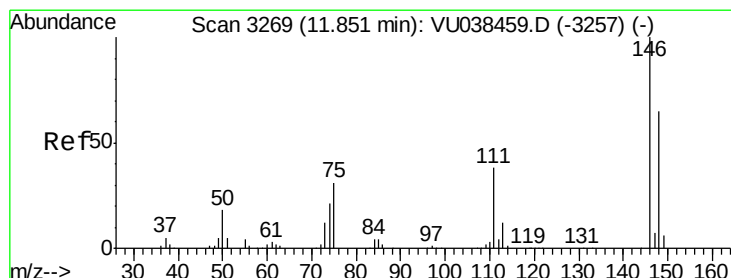
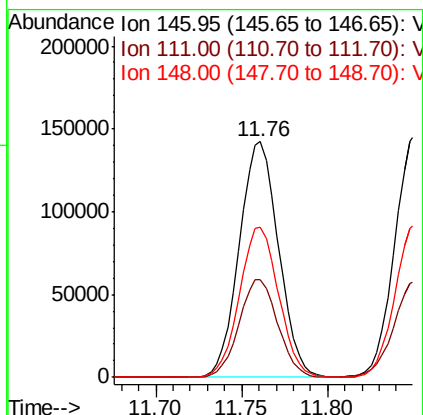
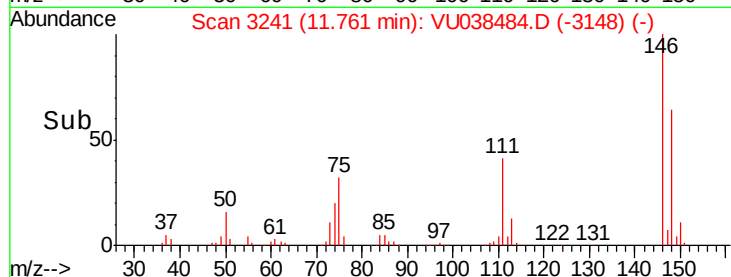
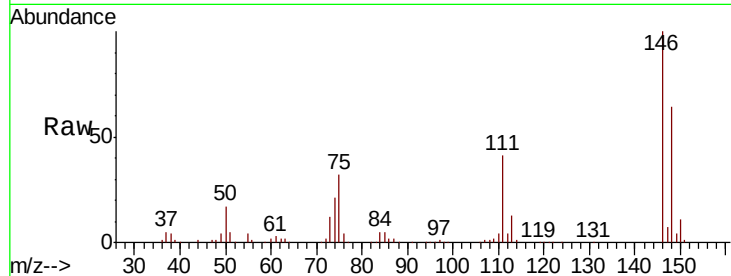
Tot Ion:146 Resp: 226437

Ion Ratio Lower Upper

146 100

111 41.4 29.5 54.9

148 63.8 45.6 84.6



#63

1,4-Dichlorobenzene

Concen: 4.688 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

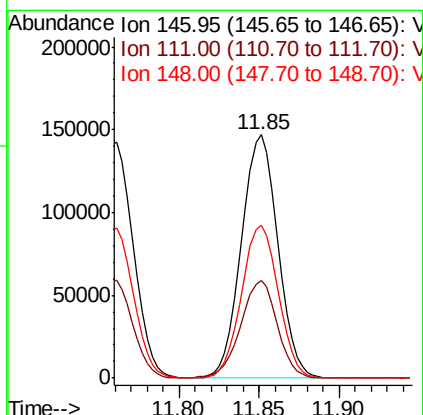
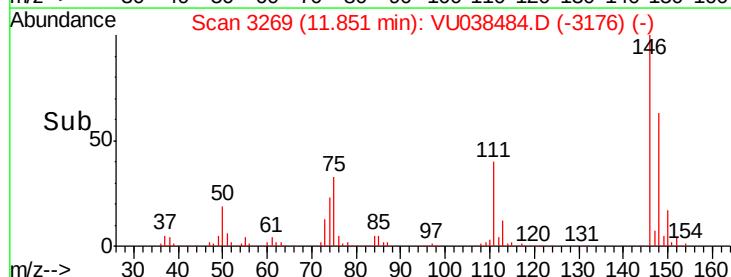
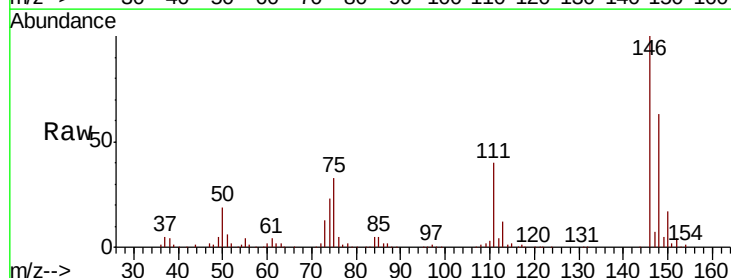
Tgt Ion:146 Resp: 227619

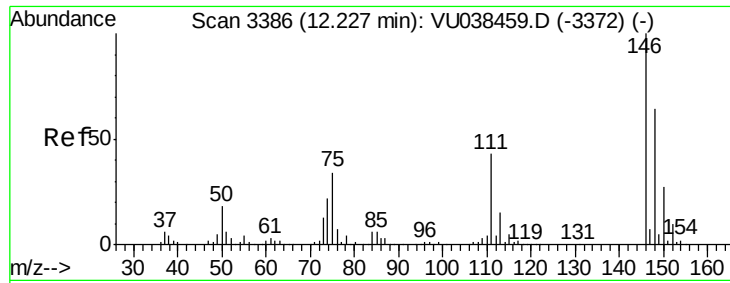
Ion Ratio Lower Upper

146 100

111 40.0 27.6 51.2

148 62.6 44.8 83.2

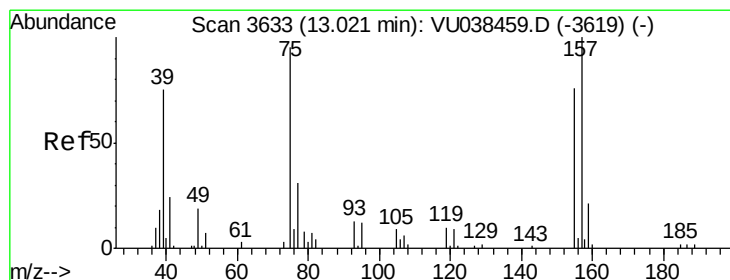
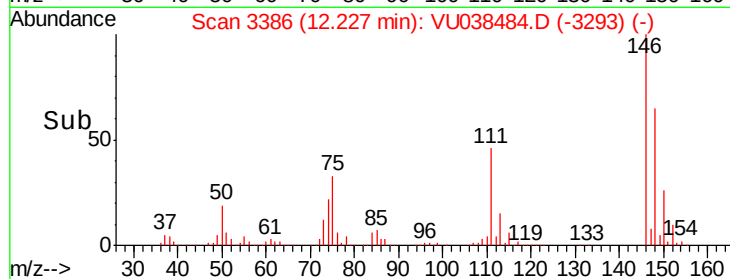
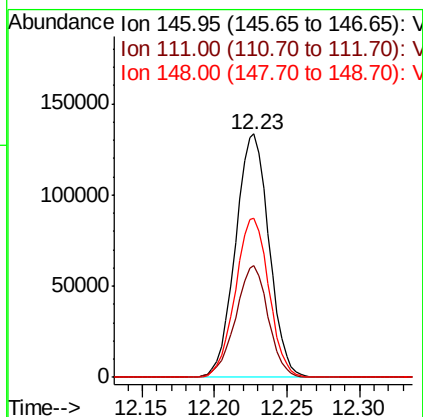
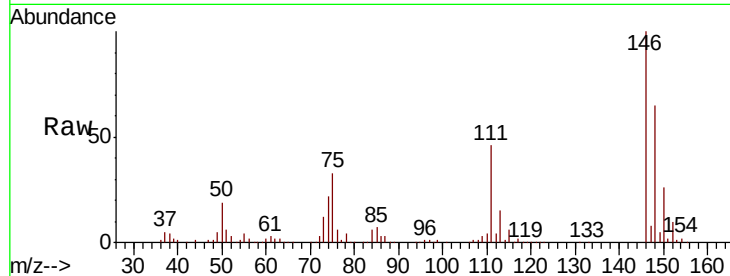




#65
 1,2-Dichlorobenzene
 Concen: 4.710 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

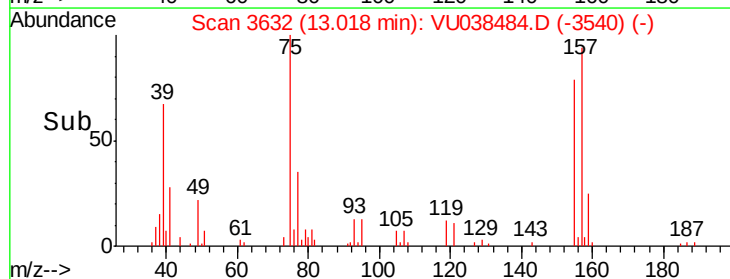
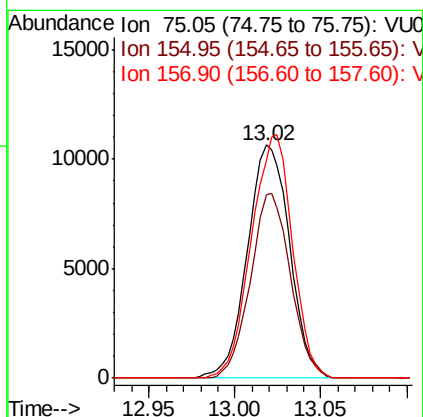
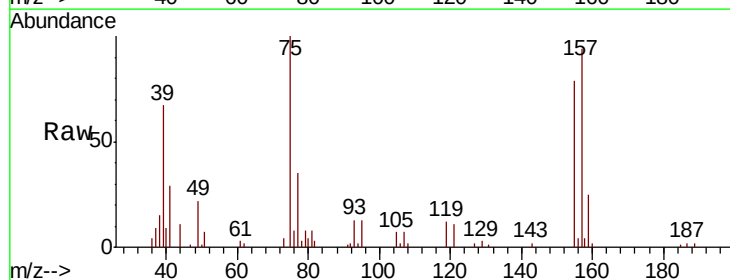
Instrument :
 MSVOA_U
 ClientSampleId :

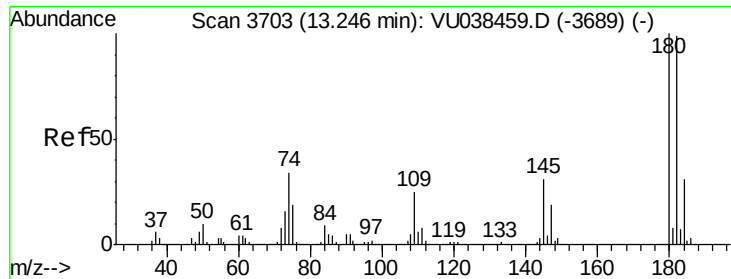
Tot Ion:146 Resp: 214141
 Ion Ratio Lower Upper
 146 100
 111 45.8 35.1 52.7
 148 65.3 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.933 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion: 75 Resp: 18158
 Ion Ratio Lower Upper
 75 100
 155 78.6 59.6 89.4
 157 93.8 79.8 119.6

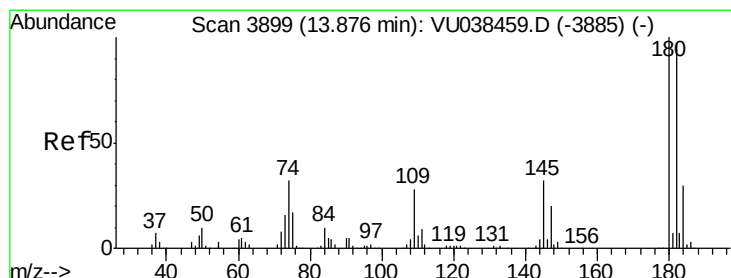
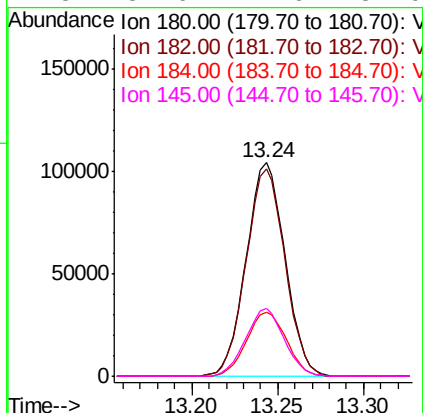
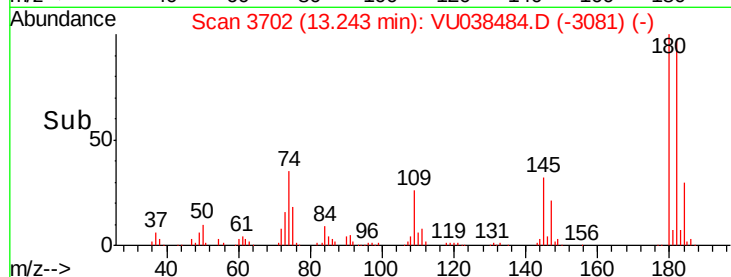
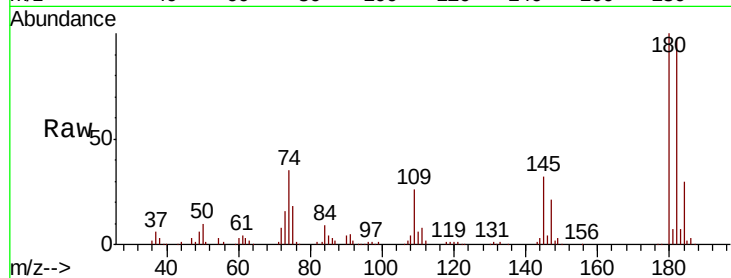




#67
 1,3,5-Trichlorobenzene
 Concen: 4.569 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

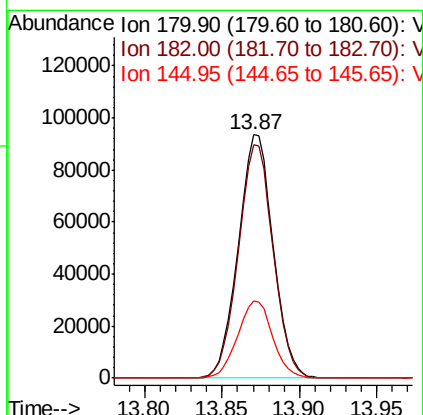
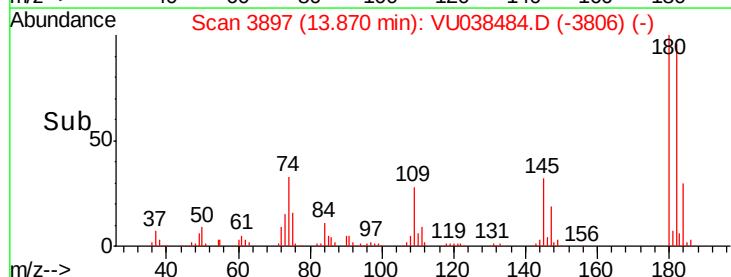
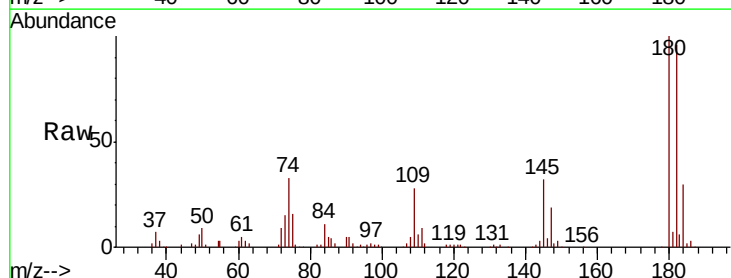
Instrument :
 MSVOA_U
 ClientSampleId :

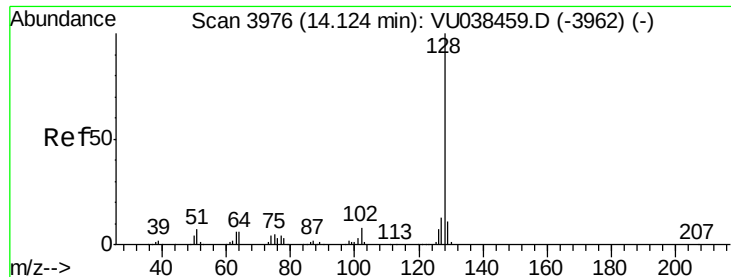
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
184	30.7	25.1	37.7
145	31.6	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.427 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU038484.D
 Acq: 02 Jun 2020 09:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	31.7	25.3	37.9





#69

Naphthalene

Concen: 4.449 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

Instrument :

MSVOA_U

ClientSampled :

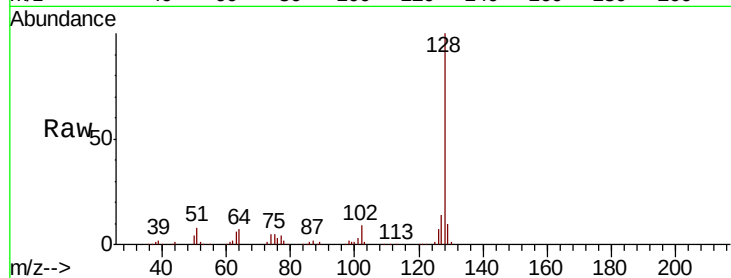
Tot Ion:128 Resp: 292752

Ion Ratio Lower Upper

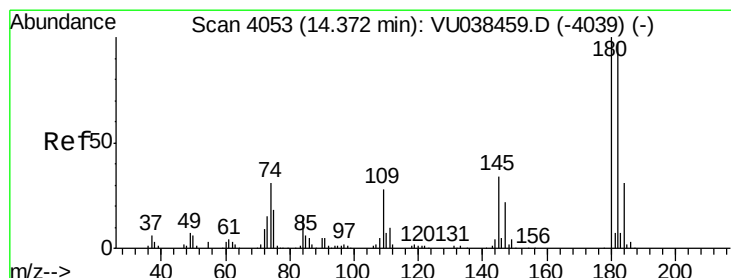
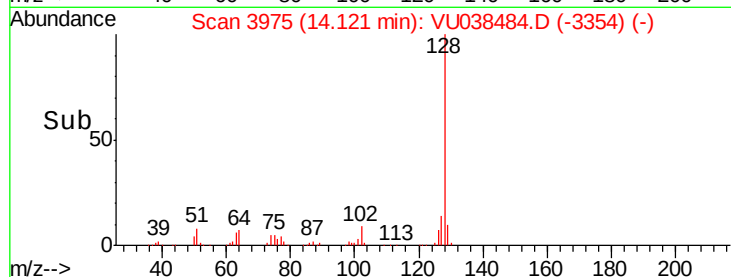
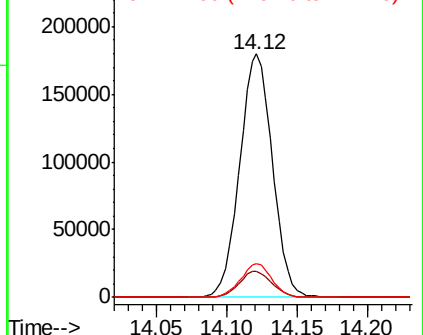
128 100

129 10.6 8.9 13.3

127 13.3 10.2 15.4



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: 4.647 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU038484.D

Acq: 02 Jun 2020 09:30

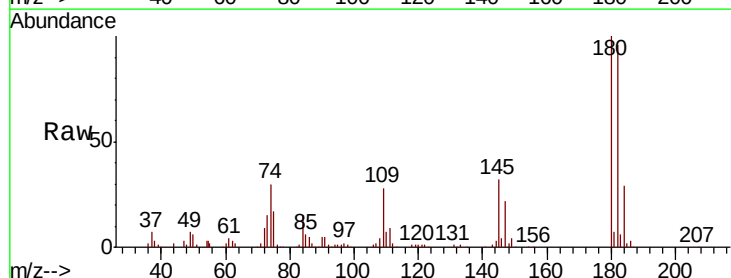
Tgt Ion:180 Resp: 139802

Ion Ratio Lower Upper

180 100

182 94.5 78.7 118.1

145 33.2 27.5 41.3



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

