

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
 Data File : VU038659.D
 Acq On : 08 Jun 2020 09:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 09 00:43:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 08 15:46:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	320646	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	320127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	163815	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	120576	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.93	69	93758	5.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.60%
11) 1,1-Dichloroethene-d2	2.59	63	230853	5.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.00%
20) 2-Butanone-d5	4.69	46	412862	65.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.98%#
24) Chloroform-d	5.10	84	227360	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.60%
26) 1,2-Dichloroethane-d4	5.74	65	130737	5.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.20%
32) Benzene-d6	5.76	84	459003	5.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.80%
36) 1,2-Dichloropropane-d6	6.72	67	137944	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.93	98	412677	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
43) trans-1,3-Dichloropropene-	8.20	79	61478	5.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	116.40%
46) 2-Hexanone-d5	8.66	63	333728	63.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	124570	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	156100	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	109675	4.340	ug/L 98
3) Chloromethane	1.53	50	95168	4.101	ug/L 100
5) Vinyl chloride	1.62	62	106362	4.277	ug/L 99
6) Bromomethane	1.88	94	59622	4.939	ug/L 99
8) Chloroethane	1.95	64	67073	4.502	ug/L 98
9) Trichlorofluoromethane	2.16	101	158213	4.796	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100292	5.162	ug/L 99
12) 1,1-Dichloroethene	2.61	96	92918	4.705	ug/L 99
13) Acetone	2.69	43	215356	52.199	ug/L 98
14) Carbon disulfide	2.82	76	254351	3.796	ug/L 100
15) Methyl Acetate	2.99	43	49584	4.906	ug/L 97
16) Methylene chloride	3.08	84	104155	4.661	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	263028	5.080	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	97411	4.577	ug/L 96
19) 1,1-Dichloroethane	3.91	63	186684	4.902	ug/L 95
21) 2-Butanone	4.76	43	363841	52.431	ug/L 94
22) cis-1,2-Dichloroethene	4.71	96	109424	4.775	ug/L 95

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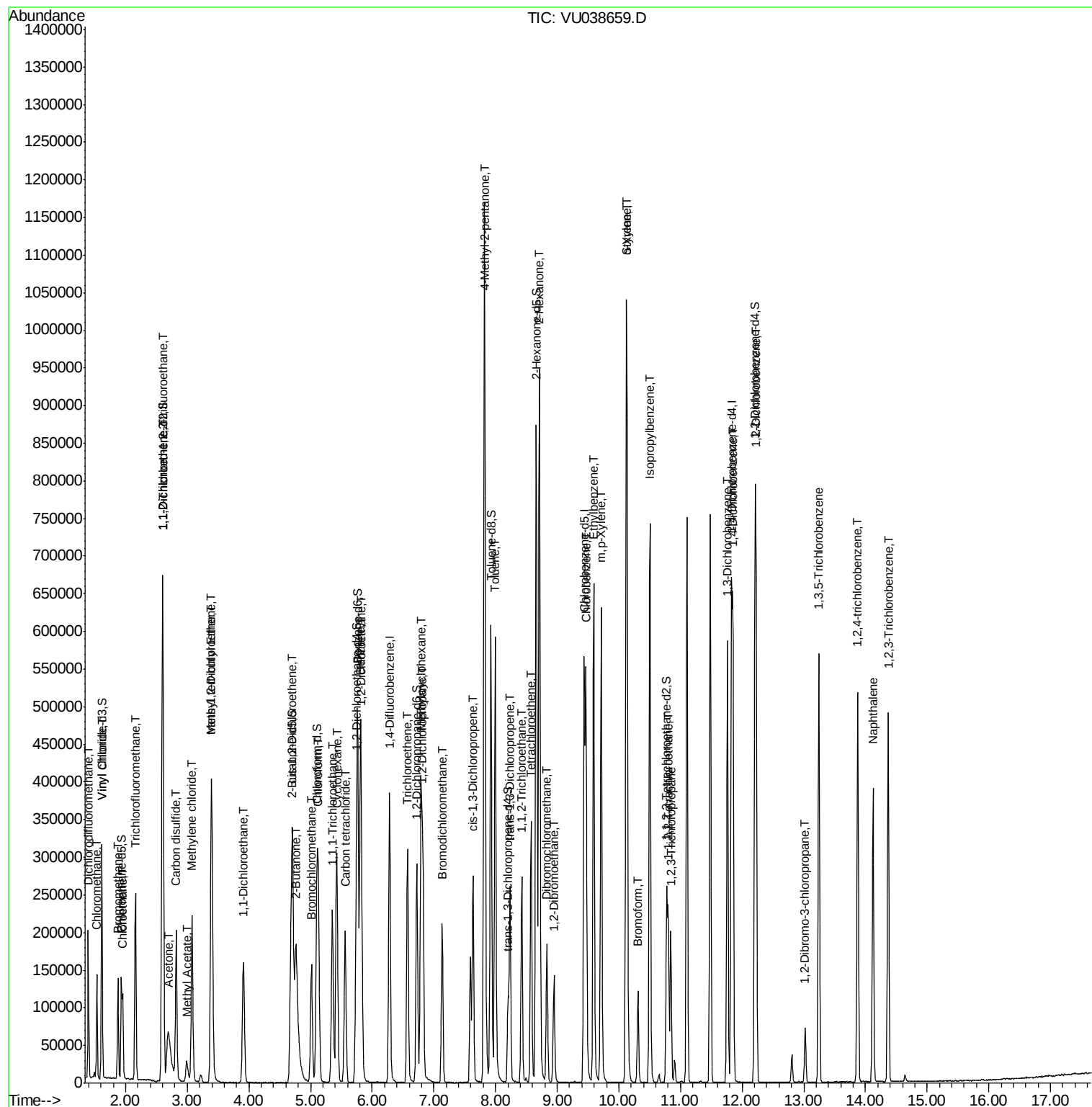
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50041	4.852	ug/L	98
25) Chloroform	5.13	83	195417	5.051	ug/L	98
27) 1,2-Dichloroethane	5.83	62	134598	4.942	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	167791	4.953	ug/L	100
30) Cyclohexane	5.43	56	155974	4.391	ug/L	98
31) Carbon tetrachloride	5.56	117	136575	4.843	ug/L	99
33) Benzene	5.81	78	415963	4.660	ug/L	100
34) Trichloroethene	6.57	95	106409	4.593	ug/L	97
35) Methylcyclohexane	6.79	83	153951	4.292	ug/L	99
37) 1,2-Dichloropropane	6.82	63	110514	4.920	ug/L	99
38) Bromodichloromethane	7.13	83	139154	4.988	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	164155	4.945	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	802308	49.942	ug/L	99
42) Toluene	8.00	91	445473	4.758	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	143552	4.896	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	84961	5.013	ug/L	95
47) Tetrachloroethene	8.58	164	78041	4.636	ug/L	97
48) 2-Hexanone	8.71	43	619439	50.915	ug/L	99
49) Dibromochloromethane	8.84	129	96027	5.250	ug/L	98
50) 1,2-Dibromoethane	8.95	107	80510	4.961	ug/L	98
51) Chlorobenzene	9.47	112	287830	4.767	ug/L	98
52) Ethylbenzene	9.59	91	488794	4.692	ug/L	100
53) m,p-Xylene	9.71	106	190826	4.763	ug/L	96
54) o-Xylene	10.12	106	185578	4.825	ug/L	95
55) Styrene	10.13	104	318751	4.883	ug/L	99
56) Isopropylbenzene	10.50	105	489877	4.839	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	108205	5.024	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	84379	5.033	ug/L	99
61) Bromoform	10.31	173	54830	5.373	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	233041	4.842	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	232861	4.771	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	226704	4.960	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	18640	5.037	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	175068	4.875	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	153727	4.625	ug/L	99
69) Naphthalene	14.12	128	307057	4.642	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	146187	4.834	ug/L	97

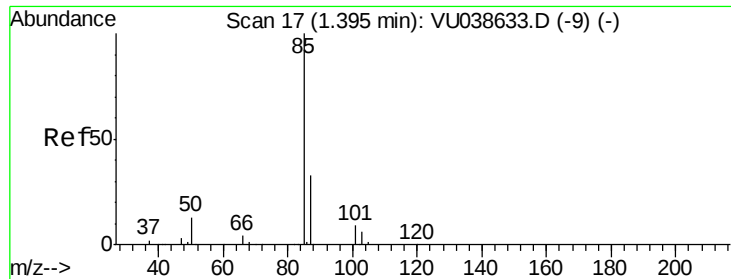
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.340 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

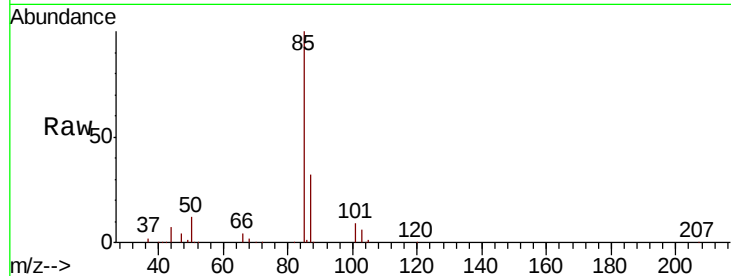
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 109675

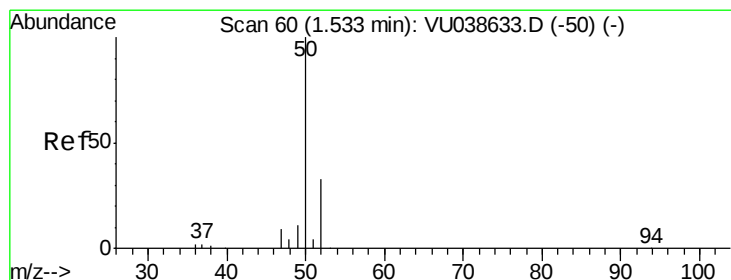
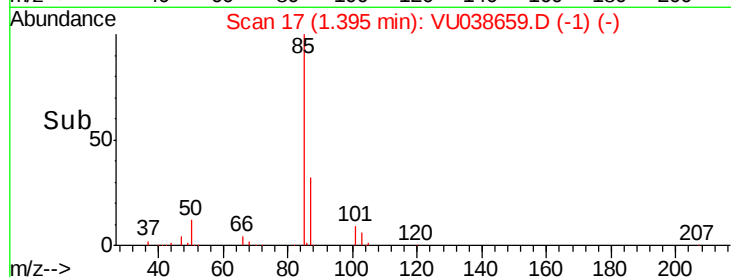
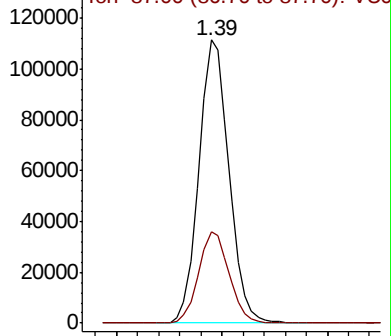
Ion Ratio Lower Upper

85 100

87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038633.D (-9) (-)



#3

Chloromethane

Concen: 4.101 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038659.D

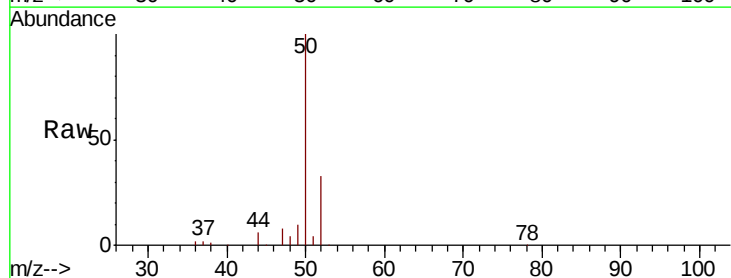
Acq: 08 Jun 2020 09:45

Tgt Ion: 50 Resp: 95168

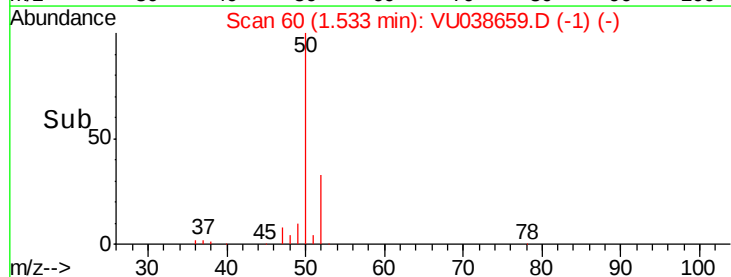
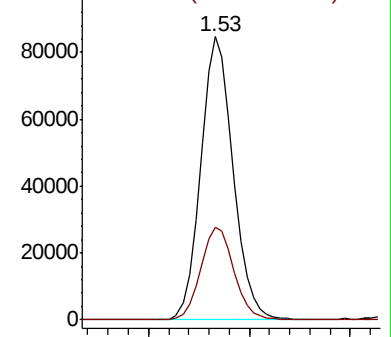
Ion Ratio Lower Upper

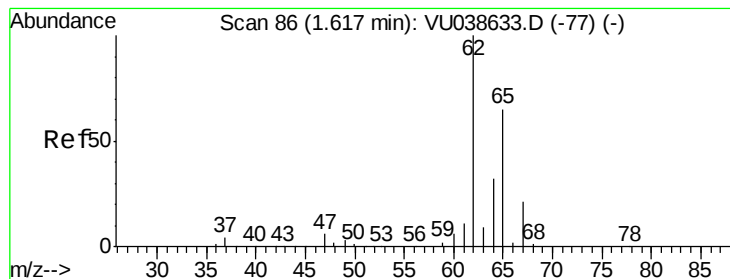
50 100

52 32.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038633.D (-50) (-)





#5

Vinyl chloride

Concen: 4.277 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

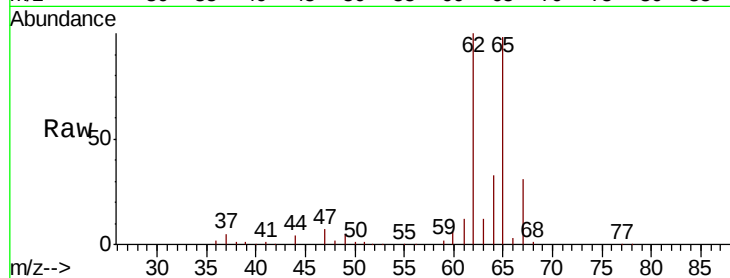
ClientSampled :

Tot Ion: 62 Resp: 106362

Ion Ratio Lower Upper

62 100

64 33.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038633.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038633.D (-77) (-)

1.62

100000

80000

60000

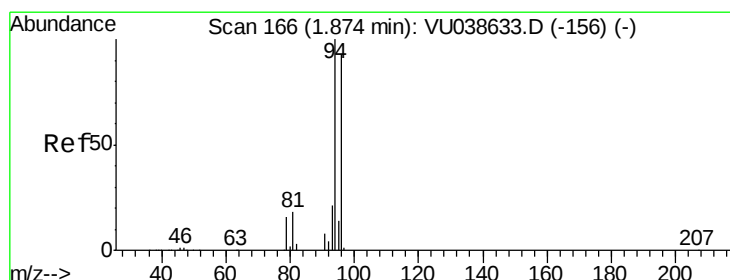
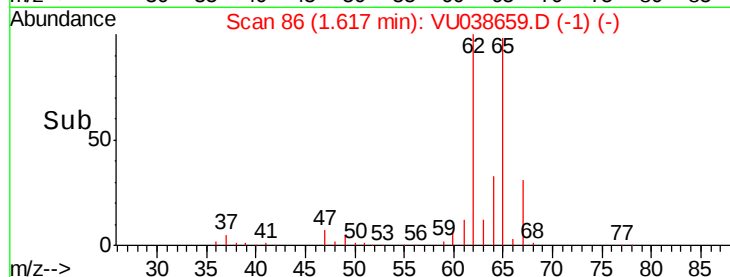
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 4.939 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038659.D

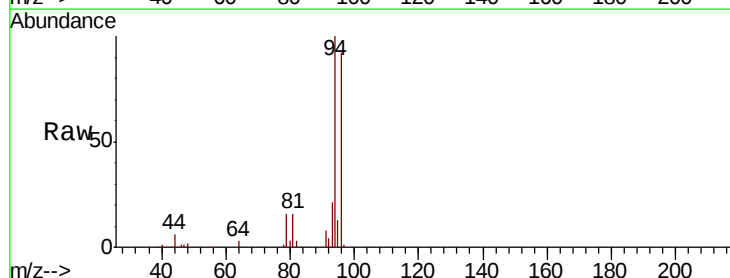
Acq: 08 Jun 2020 09:45

Tgt Ion: 94 Resp: 59622

Ion Ratio Lower Upper

94 100

96 92.1 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038633.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038633.D (-156) (-)

1.88

50000

40000

30000

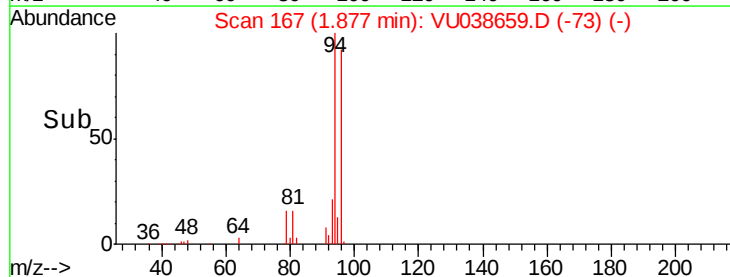
20000

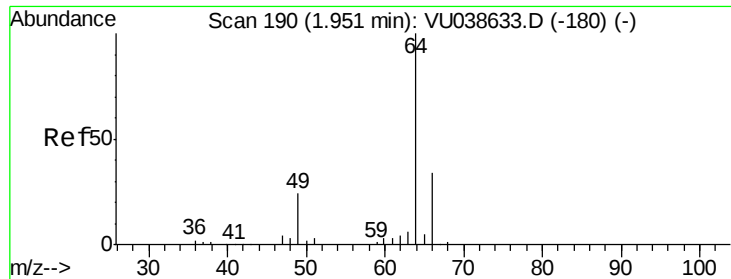
10000

0

1.85 1.90 1.95

Time-->

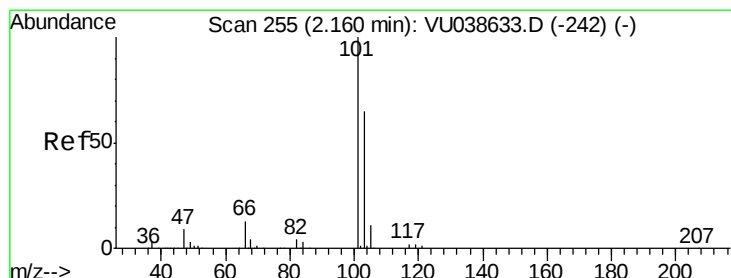
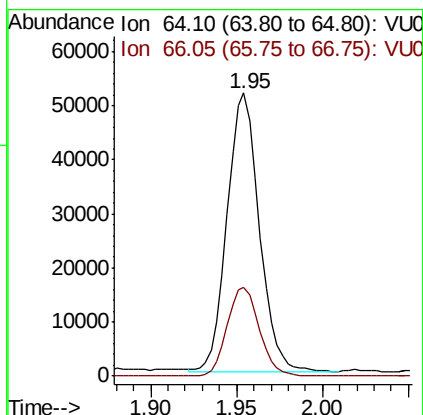
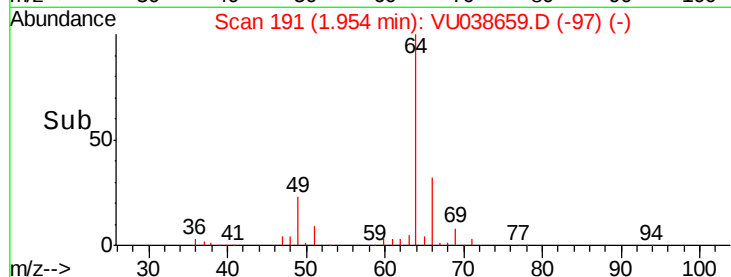
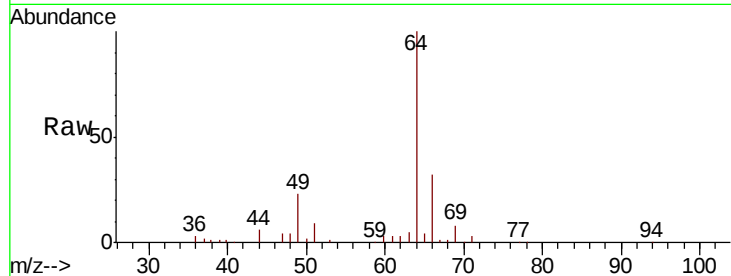




#8
Chloroethane
Concen: 4.502 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

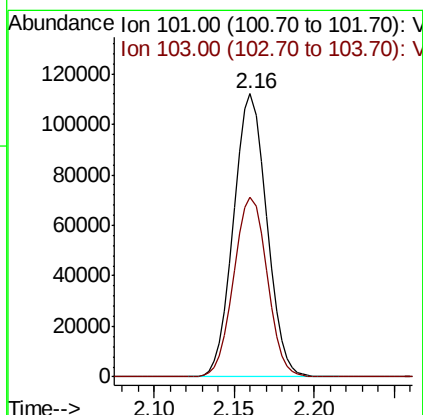
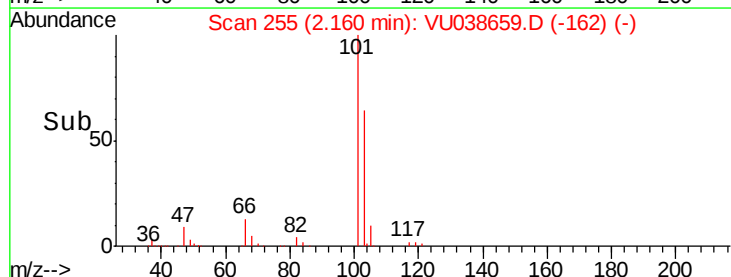
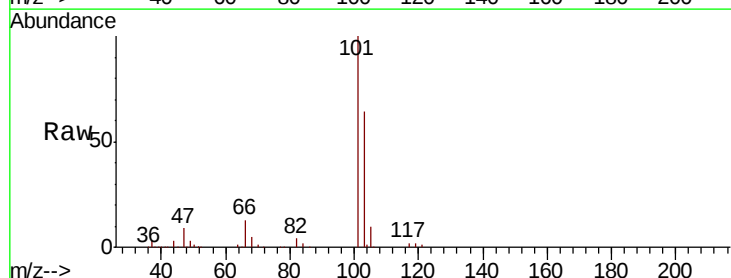
Instrument :
MSVOA_U
ClientSampleId :

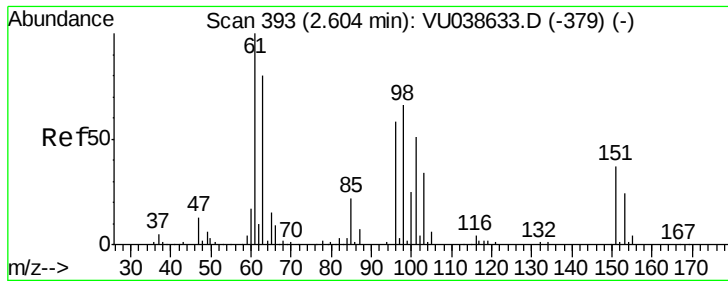
Tot Ion: 64 Resp: 67073
Ion Ratio Lower Upper
64 100
66 31.6 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.796 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion:101 Resp: 158213
Ion Ratio Lower Upper
101 100
103 64.0 51.1 76.7





#10

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

Concen: 5.162 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

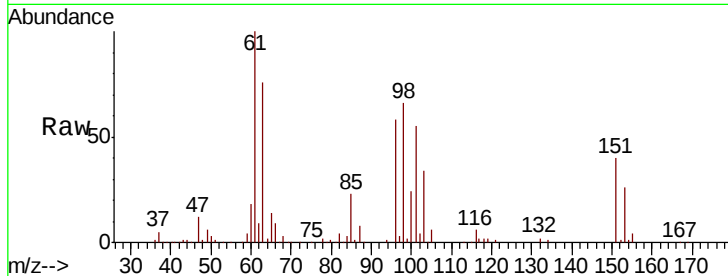
Tot Ion:101 Resp: 100292

Ion Ratio Lower Upper

101 100

85 41.6 34.0 51.0

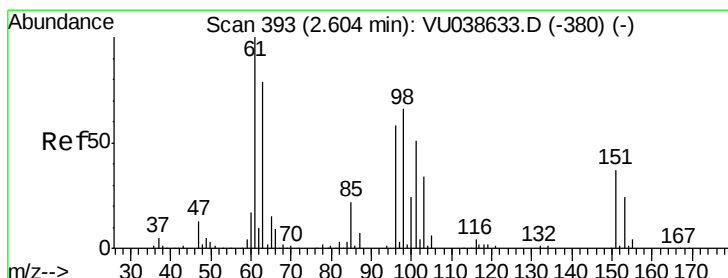
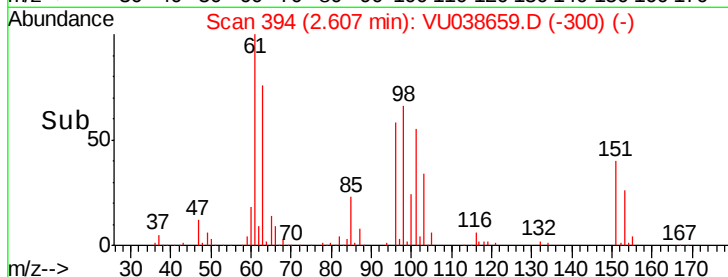
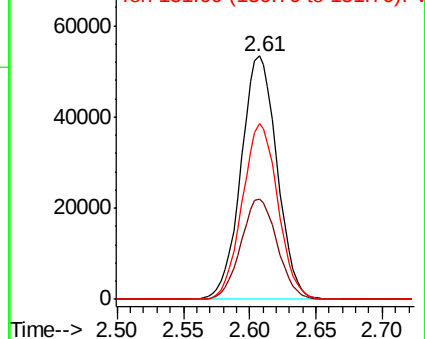
151 71.6 56.9 85.3



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: 4.705 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

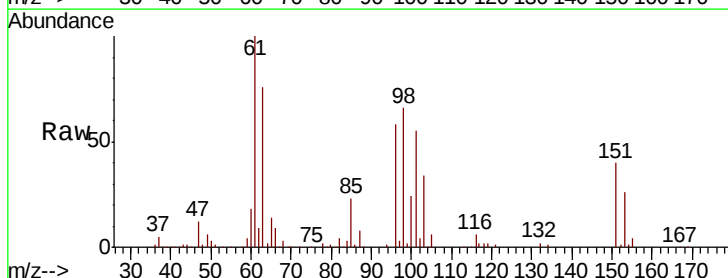
Tgt Ion: 96 Resp: 92918

Ion Ratio Lower Upper

96 100

61 172.1 119.9 222.7

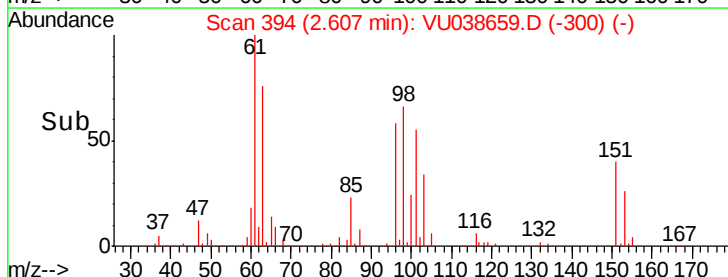
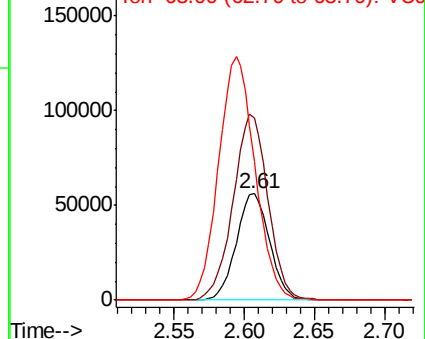
63 130.0 89.9 167.0

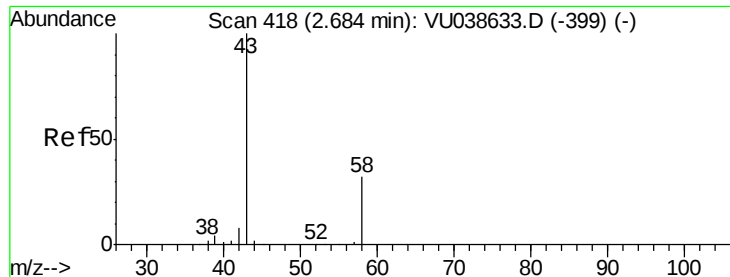


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.199 ug/L

RT: 2.69 min Scan# 421

Delta R.T. 0.01 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

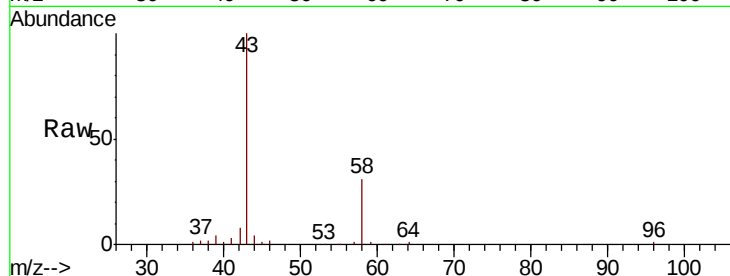
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 215356

Ion Ratio Lower Upper

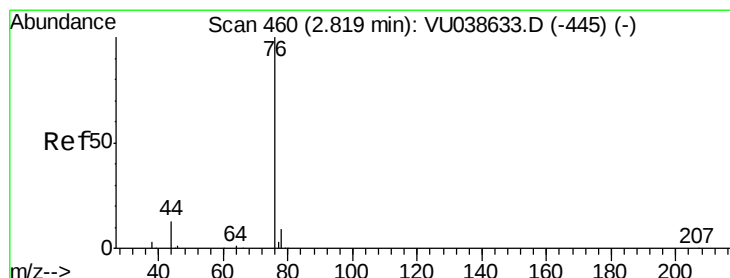
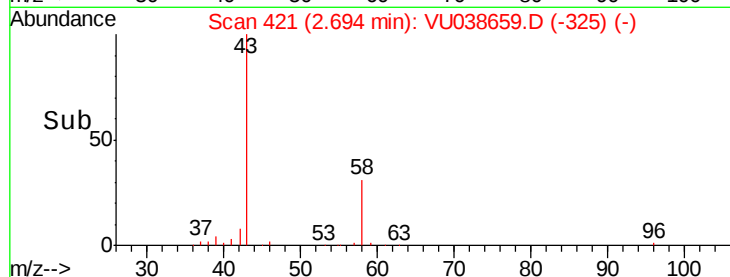
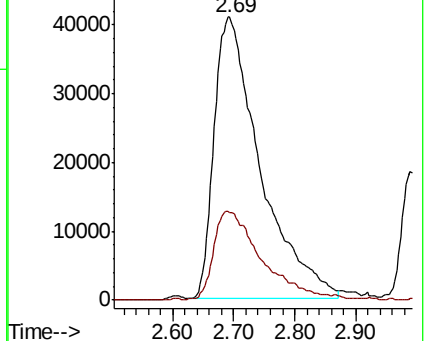
43 100

58 31.4 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038633.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038633.D (-399) (-)



#14

Carbon disulfide

Concen: 3.796 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038659.D

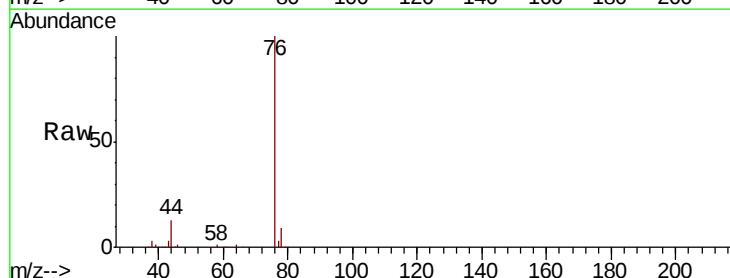
Acq: 08 Jun 2020 09:45

Tgt Ion: 76 Resp: 254351

Ion Ratio Lower Upper

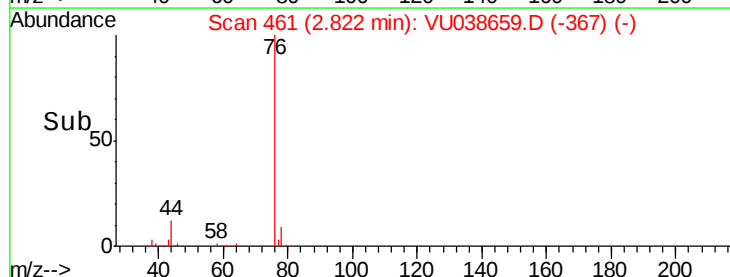
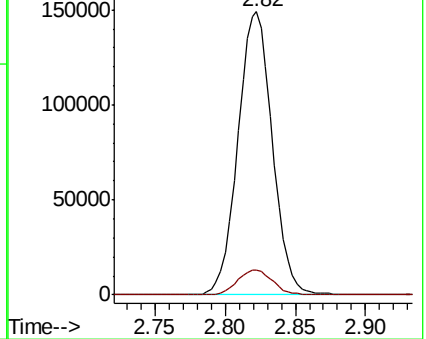
76 100

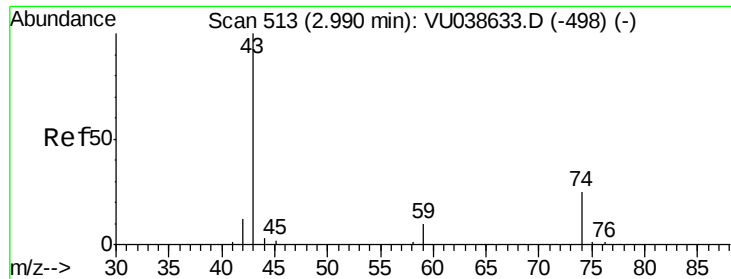
78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038633.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038633.D (-445) (-)





#15

Methyl Acetate

Concen: 4.906 ug/L

RT: 2.99 min Scan# 513

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

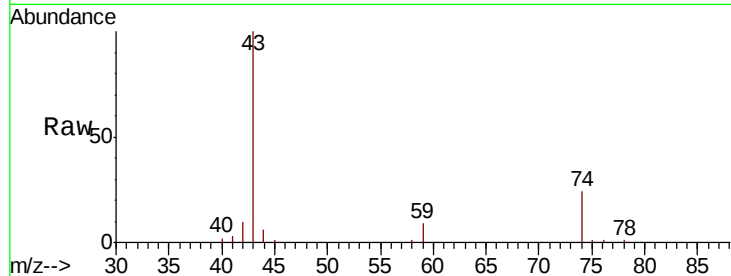
ClientSampleId :

Tot Ion: 43 Resp: 49584

Ion Ratio Lower Upper

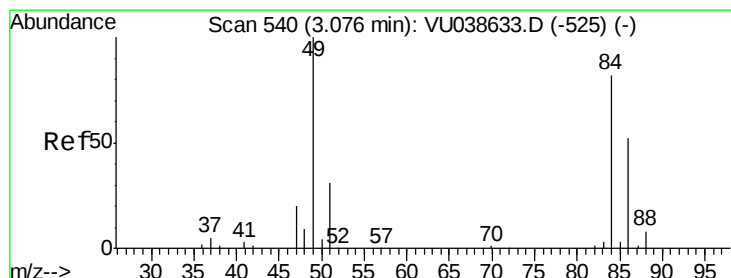
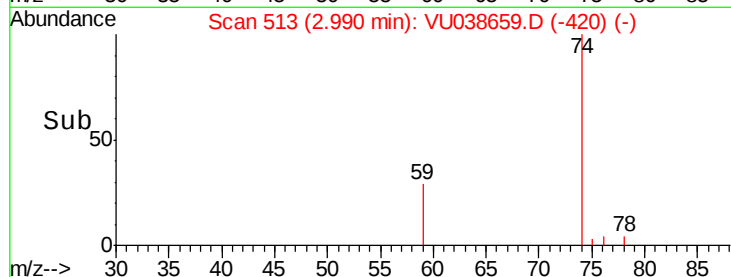
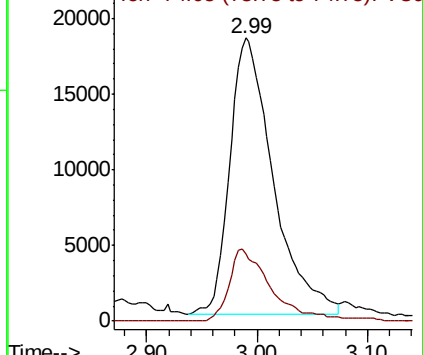
43 100

74 25.3 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU038633.D (-498) (-)

Ion 74.05 (73.75 to 74.75): VU038633.D (-498) (-)



#16

Methylene chloride

Concen: 4.661 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

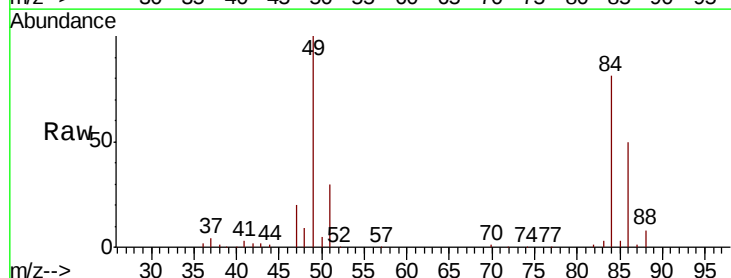
Tgt Ion: 84 Resp: 104155

Ion Ratio Lower Upper

84 100

86 62.3 45.0 83.6

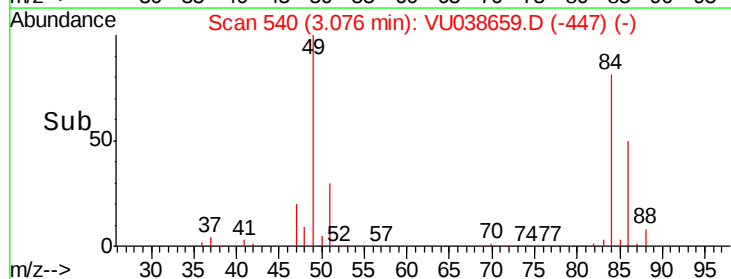
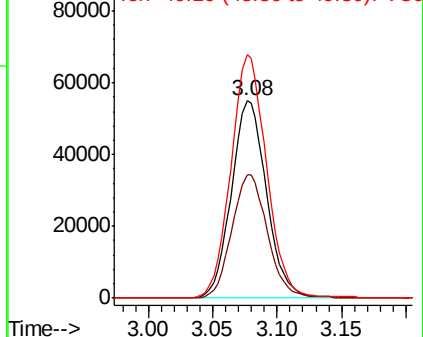
49 123.6 85.5 158.9

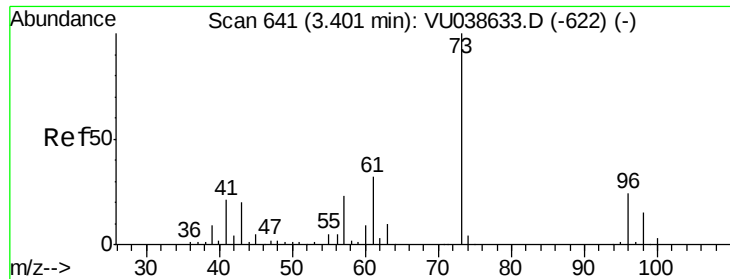


Abundance Ion 84.05 (83.75 to 84.75): VU038633.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038633.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038633.D (-525) (-)

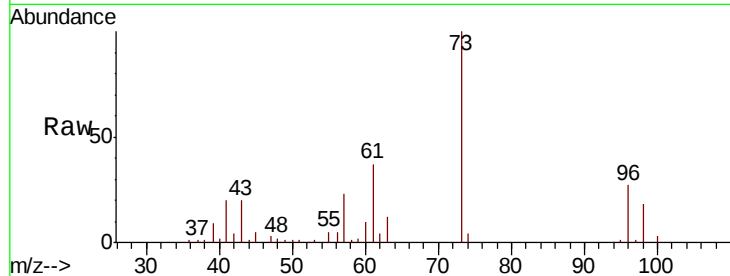




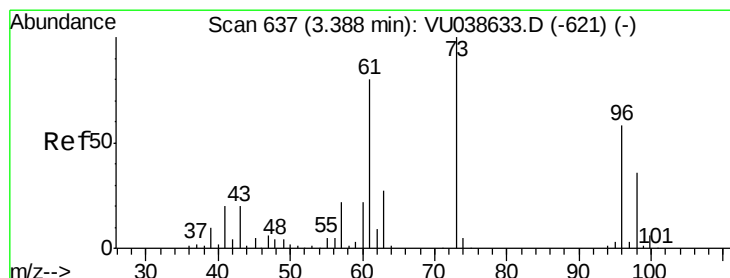
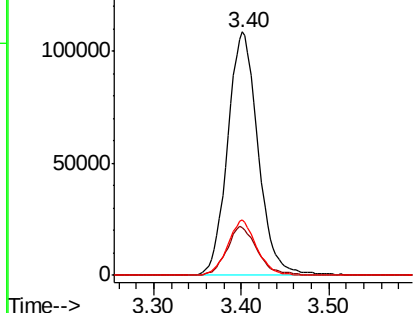
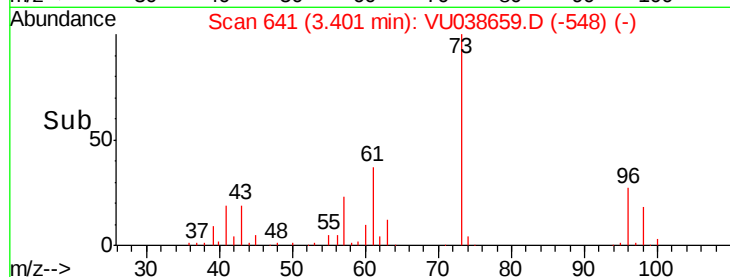
#17
Methvl tert-butvl Ether
Concen: 5.080 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 263028
Ion Ratio Lower Upper
73 100
43 19.6 15.5 23.3
57 21.7 17.8 26.6

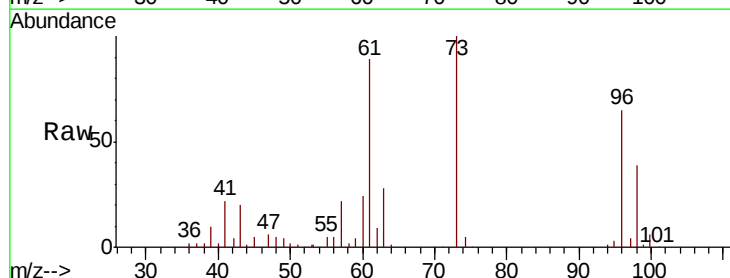


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

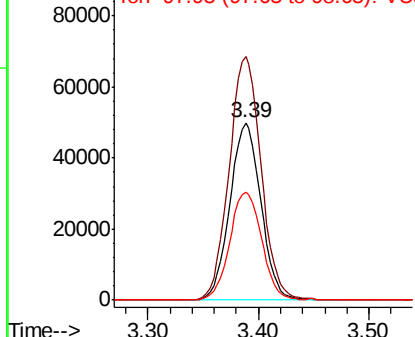
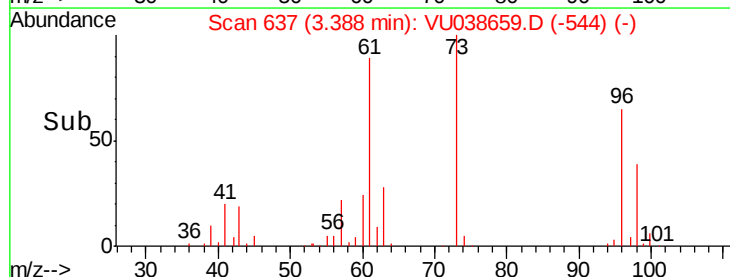


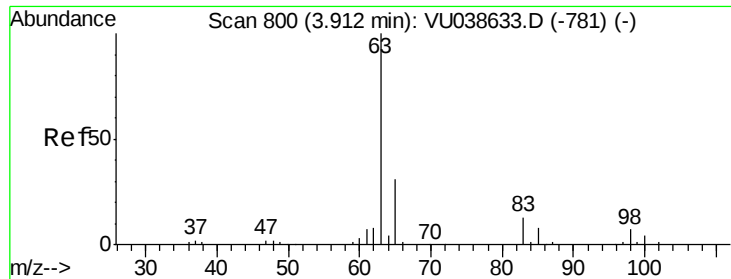
#18
trans-1,2-Dichloroethene
Concen: 4.577 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 96 Resp: 97411
Ion Ratio Lower Upper
96 100
61 137.0 100.2 186.0
98 60.6 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

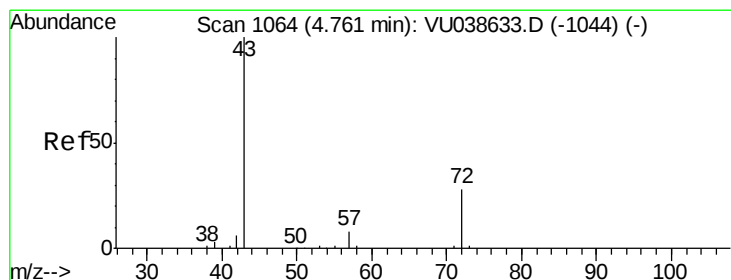
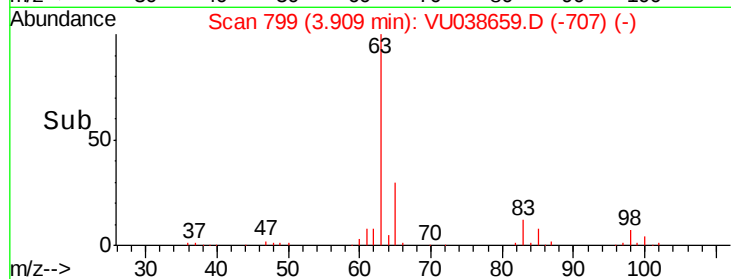
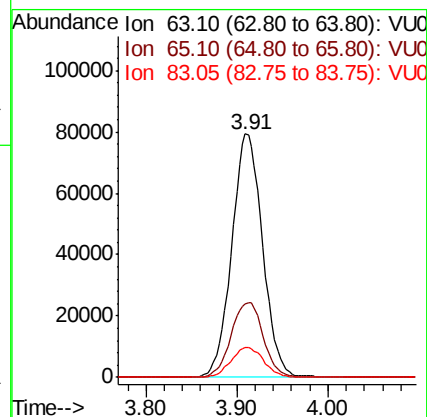
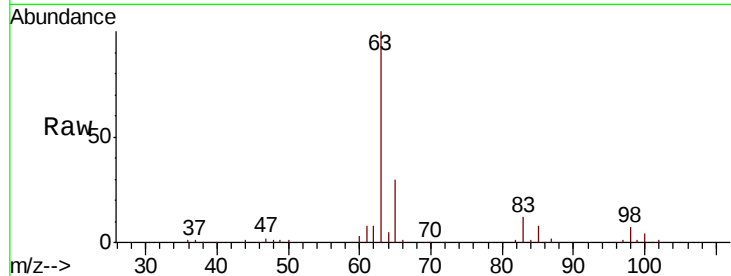




#19
 1,1-Dichloroethane
 Concen: 4.902 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

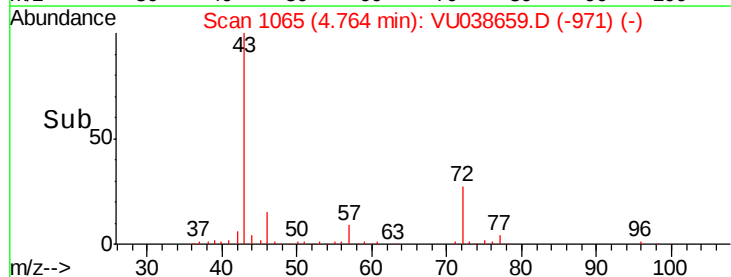
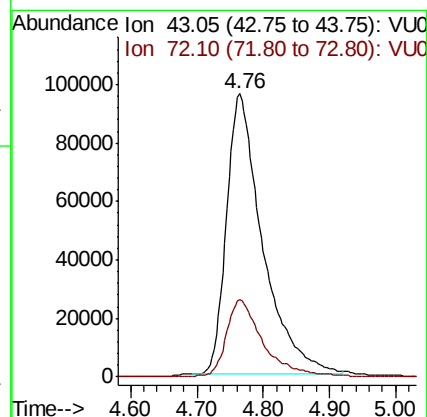
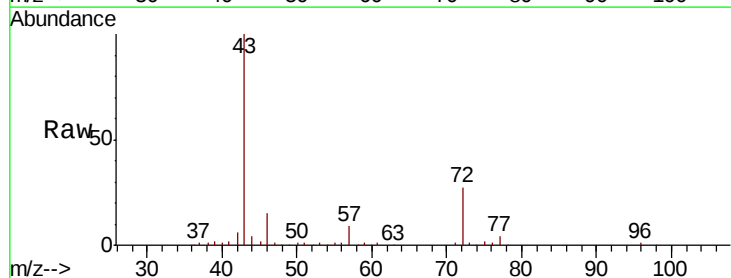
Instrument :
 MSVOA_U
 ClientSampleId :

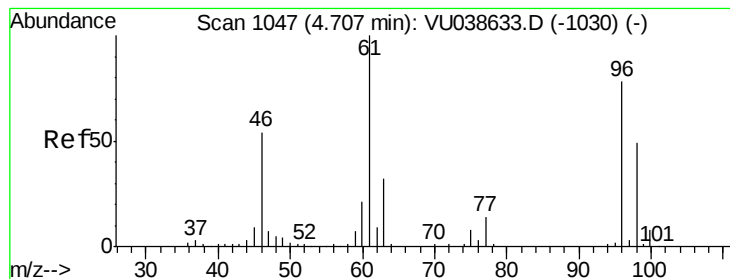
Tot Ion: 63 Resp: 186684
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.3 41.5
 83 12.1 10.4 19.4



#21
 2-Butanone
 Concen: 52.431 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

Tgt Ion: 43 Resp: 363841
 Ion Ratio Lower Upper
 43 100
 72 28.0 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 4.775 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :

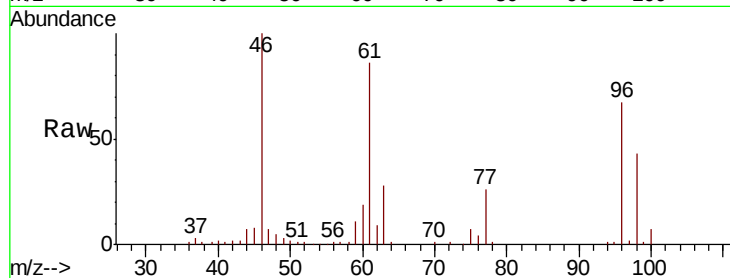
Tot Ion: 96 Resp: 109424

Ion Ratio Lower Upper

96 100

61 128.8 94.0 174.6

68 0.0 0.0 0.0

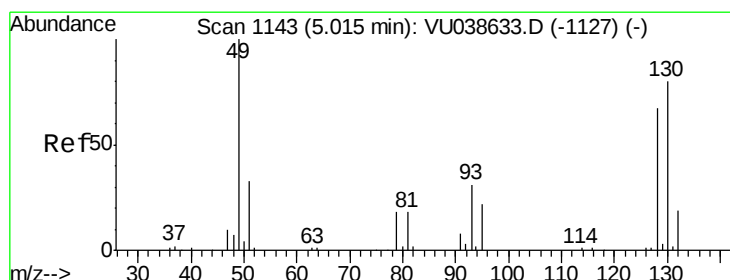
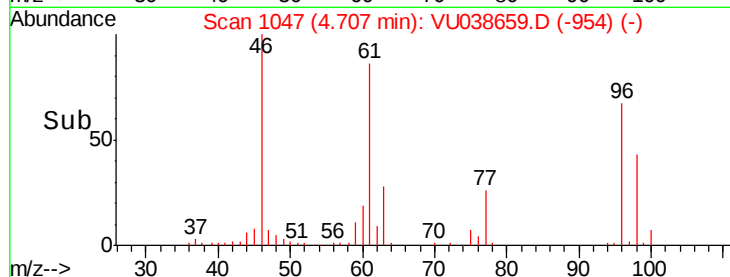
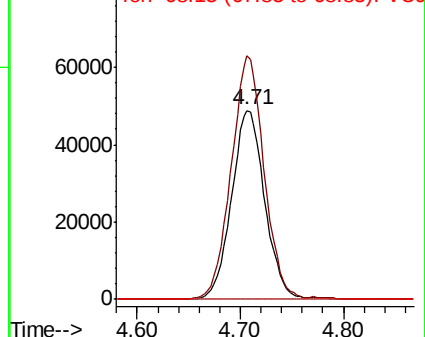


Abundance

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: 4.852 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Tgt Ion:128 Resp: 50041

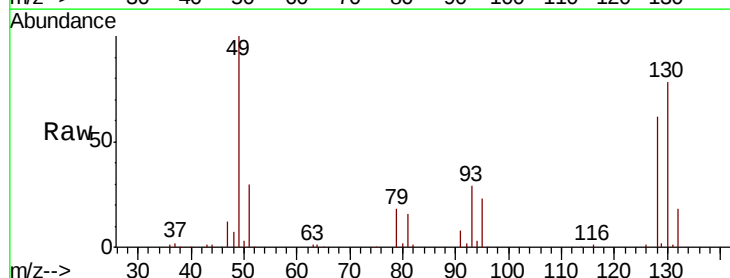
Ion Ratio Lower Upper

128 100

49 161.6 111.9 207.7

130 126.0 86.5 160.7

51 48.3 41.7 62.5



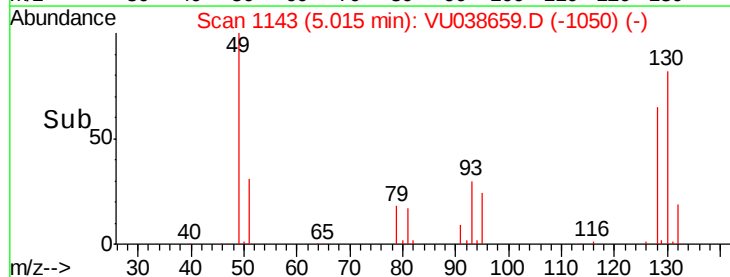
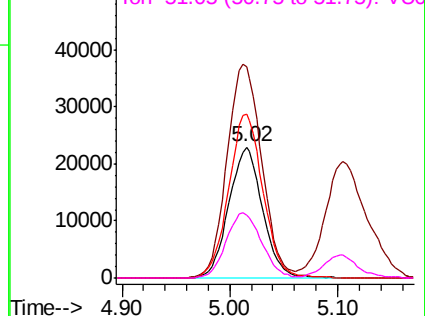
Abundance

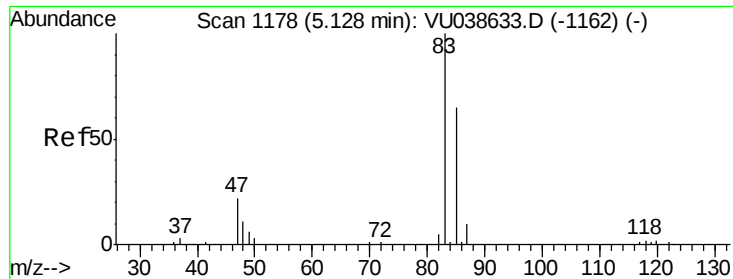
Ion 127.90 (127.60 to 128.60): V

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

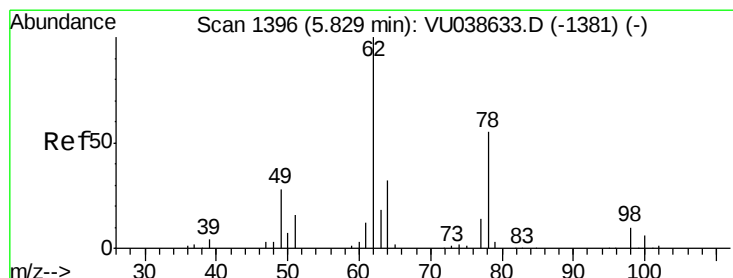
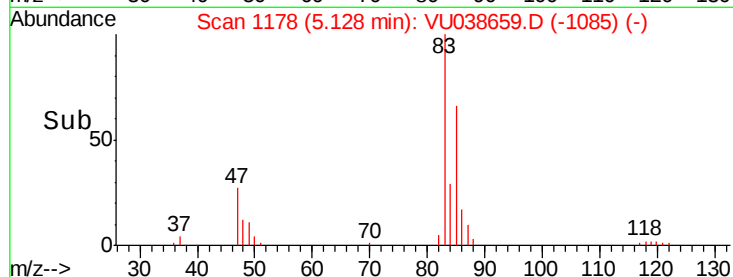
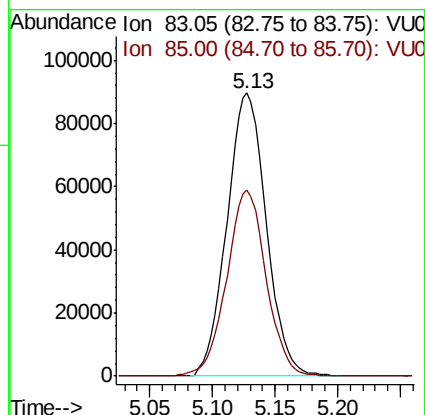
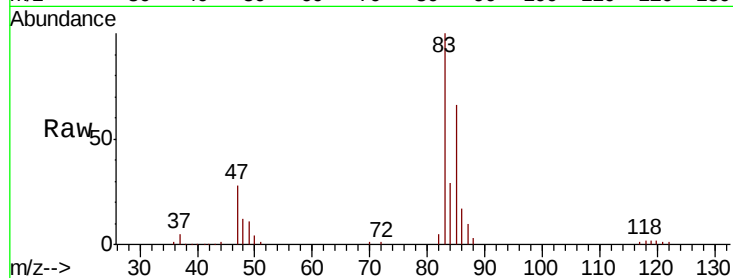




#25
Chloroform
Concen: 5.051 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

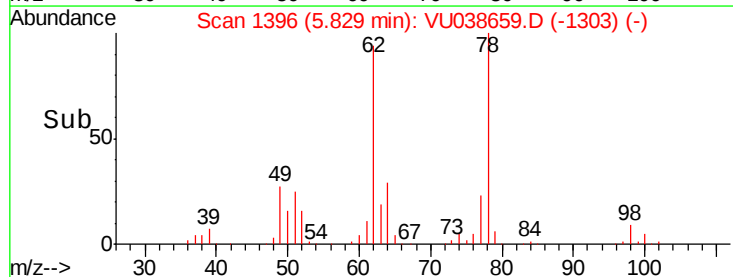
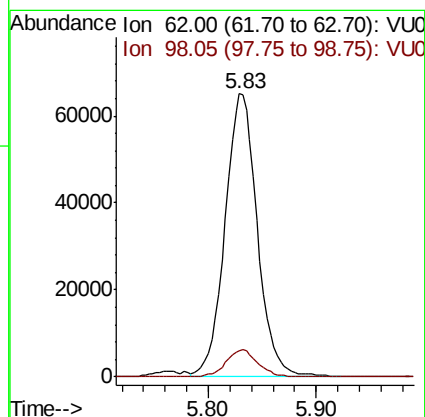
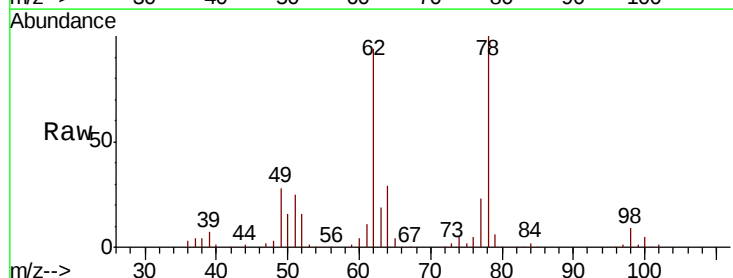
Instrument :
MSVOA_U
ClientSampled :

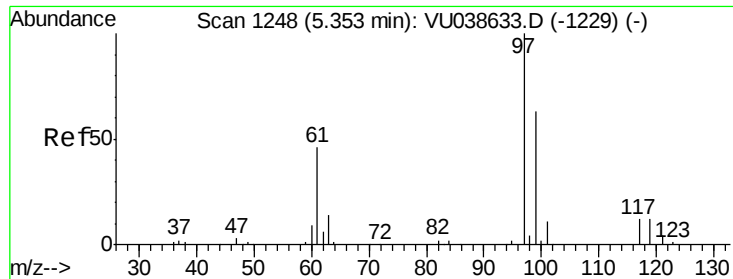
Tot Ion: 83 Resp: 195417
Ion Ratio Lower Upper
83 100
85 65.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.942 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 62 Resp: 134598
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

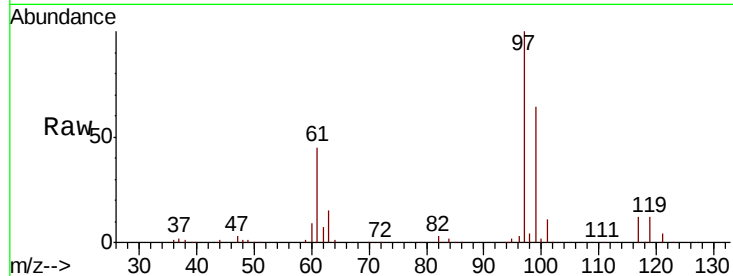




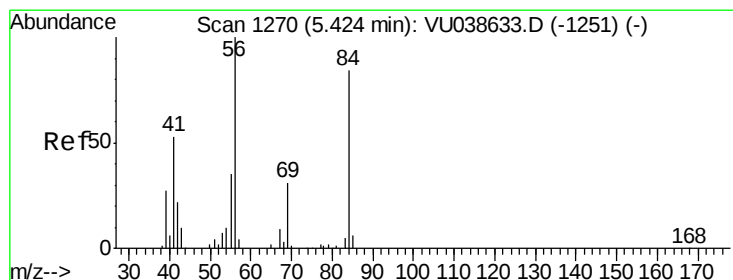
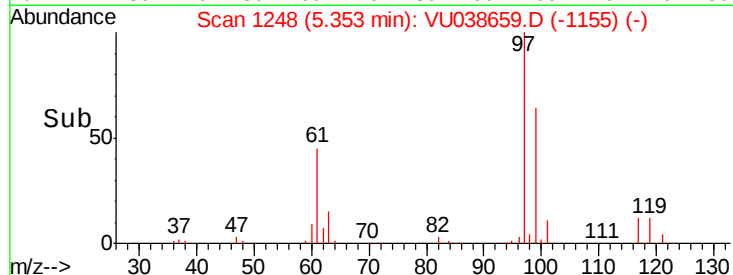
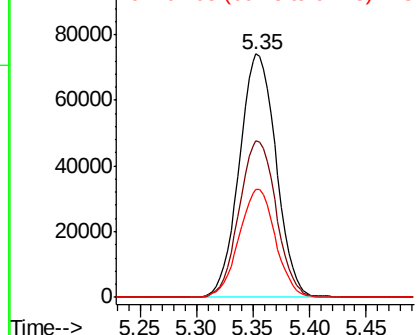
#29
1,1,1-Trichloroethane
Concen: 4.953 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 167791
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 44.1 35.4 53.2

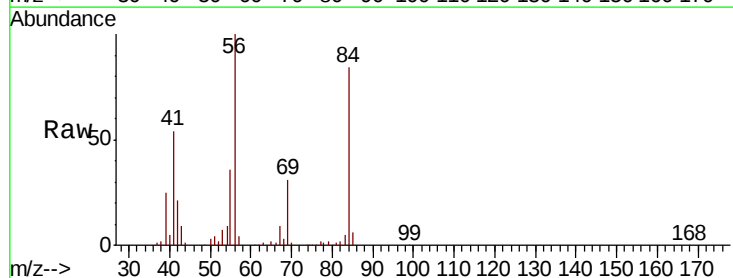


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

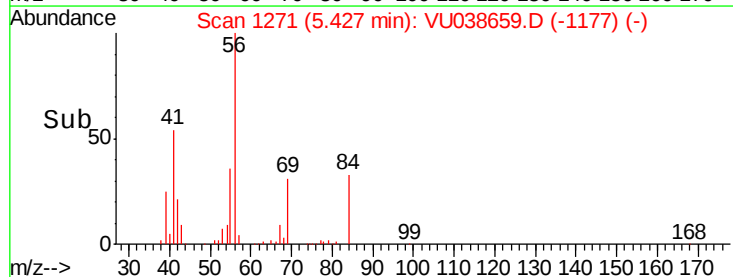
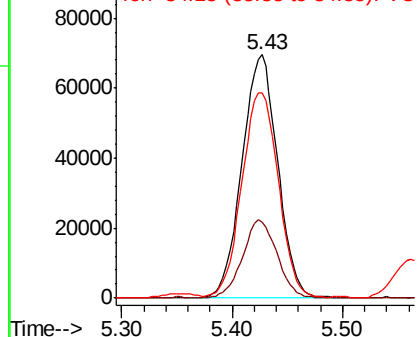


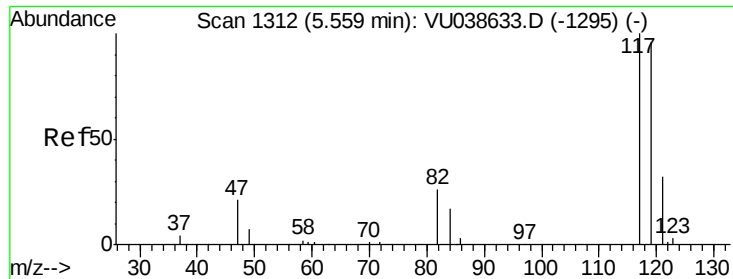
#30
Cyclohexane
Concen: 4.391 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 56 Resp: 155974
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 86.1 70.8 106.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

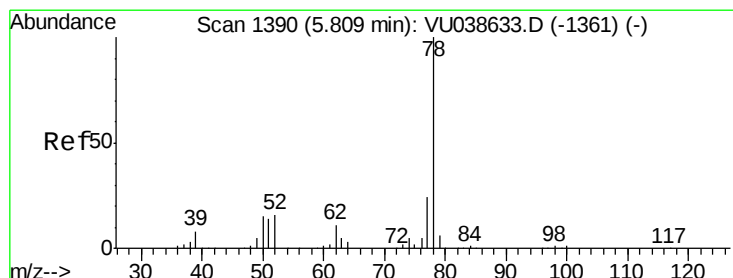
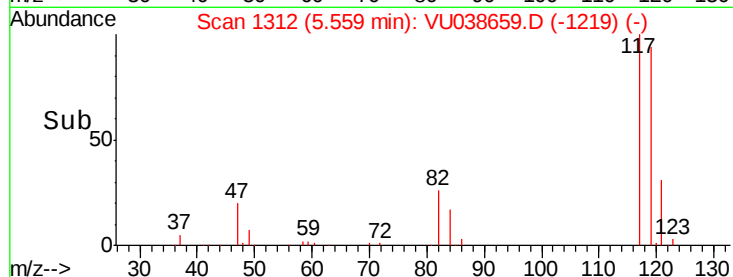
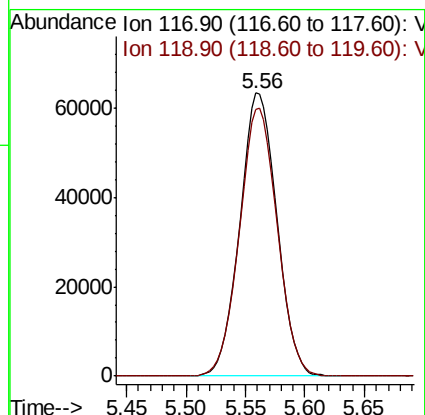
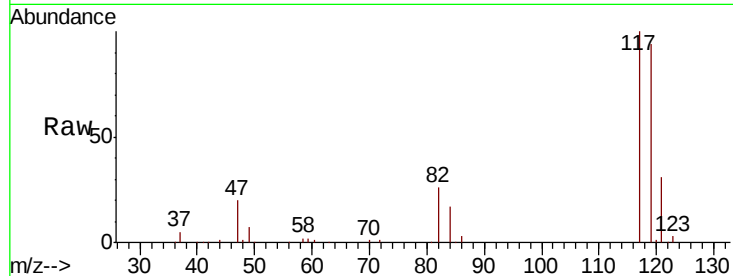




#31
Carbon tetrachloride
Concen: 4.843 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

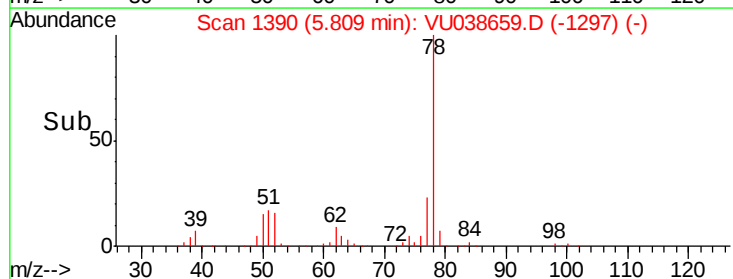
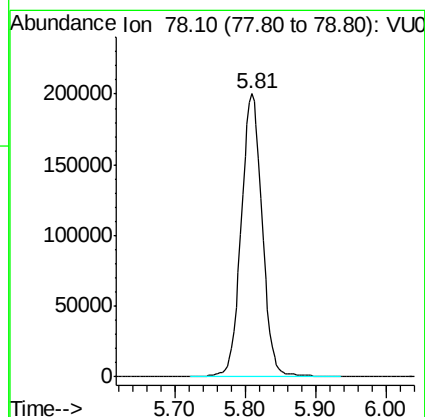
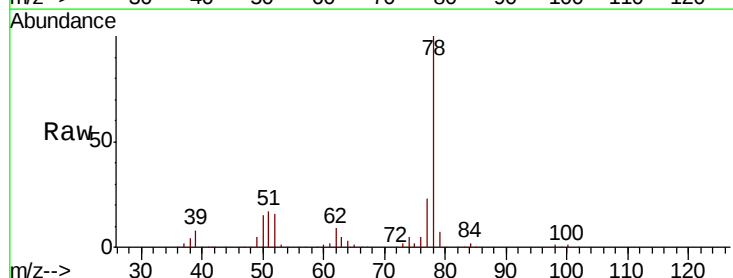
Instrument :
MSVOA_U
ClientSampleId :

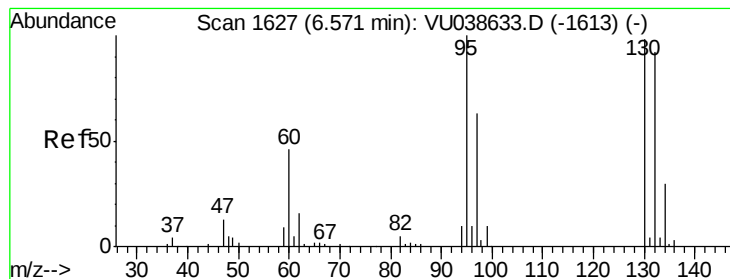
Tot Ion:117 Resp: 136575
Ion Ratio Lower Upper
117 100
119 96.4 76.6 115.0



#33
Benzene
Concen: 4.660 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 78 Resp: 415963





#34

Trichloroethene

Concen: 4.593 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 106409

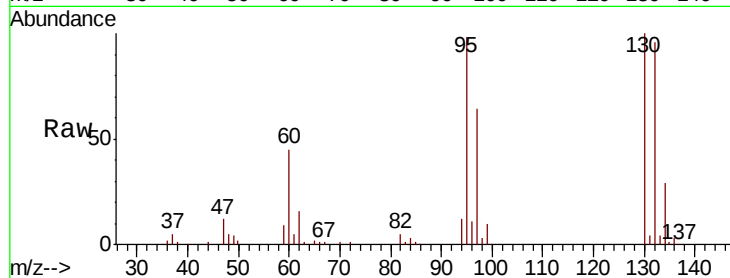
Ion Ratio Lower Upper

95 100

97 65.3 46.8 87.0

132 97.9 66.1 122.7

130 102.2 70.0 130.0

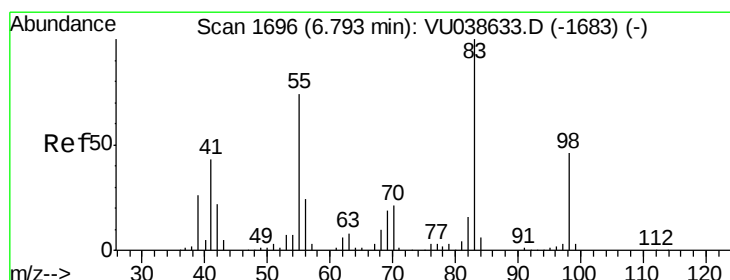
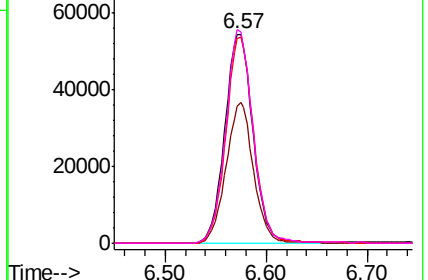
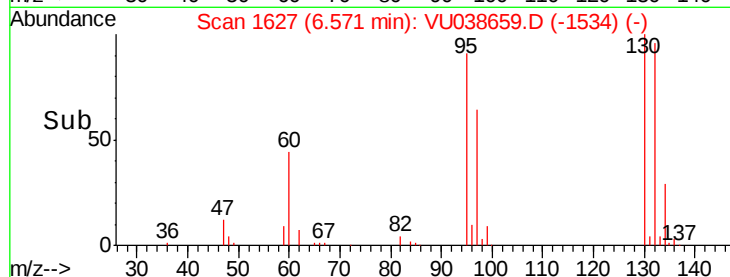


Abundance Ion 95.00 (94.70 to 95.70): VU038633.D (-1613) (-)

Ion 96.95 (96.65 to 97.65): VU038633.D (-1613) (-)

Ion 131.95 (131.65 to 132.65): VU038633.D (-1613) (-)

Ion 129.95 (129.65 to 130.65): VU038633.D (-1613) (-)



#35

Methylcyclohexane

Concen: 4.292 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

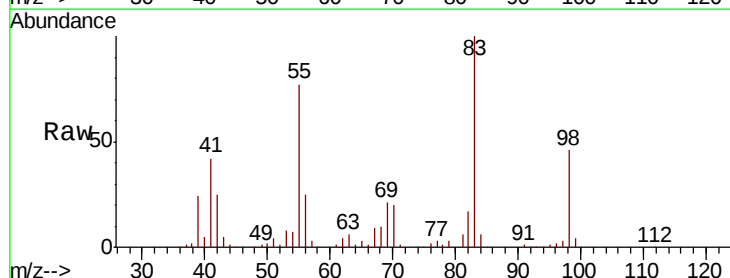
Tgt Ion: 83 Resp: 153951

Ion Ratio Lower Upper

83 100

55 80.2 63.4 95.2

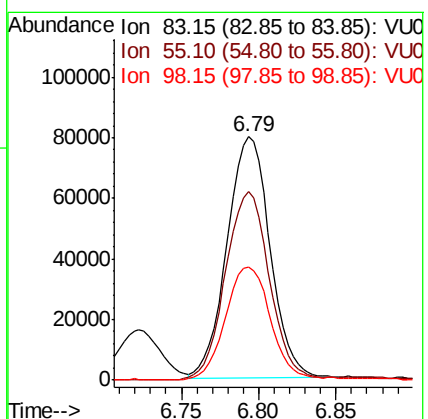
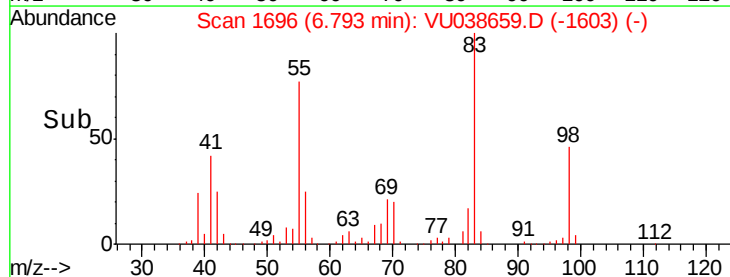
98 49.6 39.0 58.4

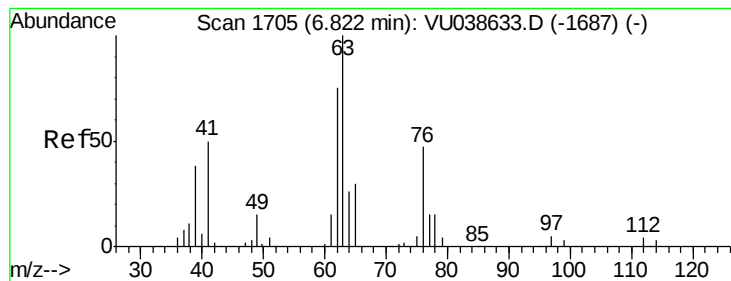


Abundance Ion 83.15 (82.85 to 83.85): VU038633.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU038633.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU038633.D (-1683) (-)





#37

1,2-Dichloropropane

Concen: 4.920 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

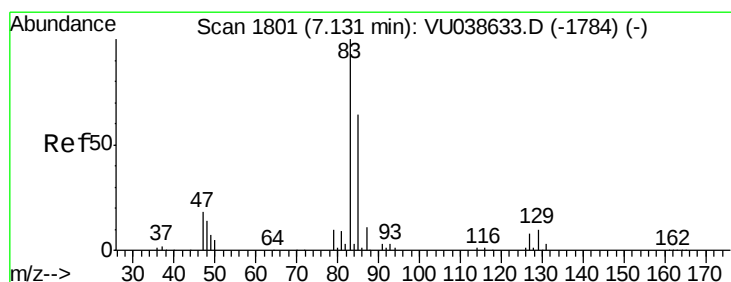
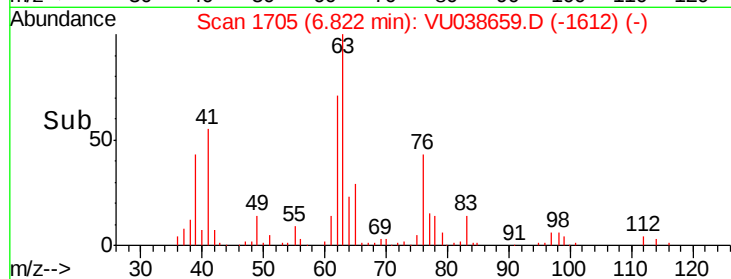
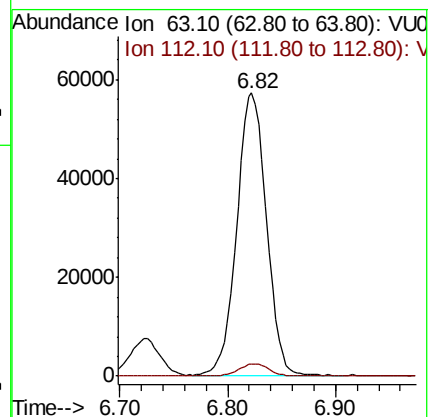
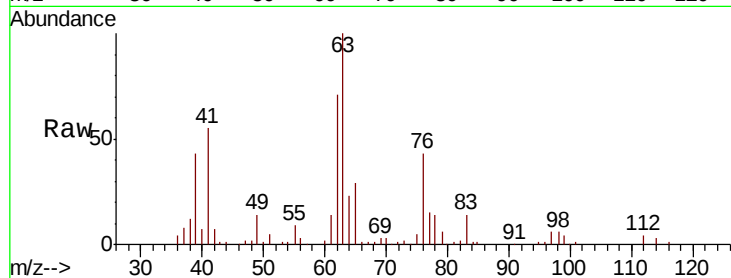
ClientSampleId :

Tot Ion: 63 Resp: 110514

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 4.988 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

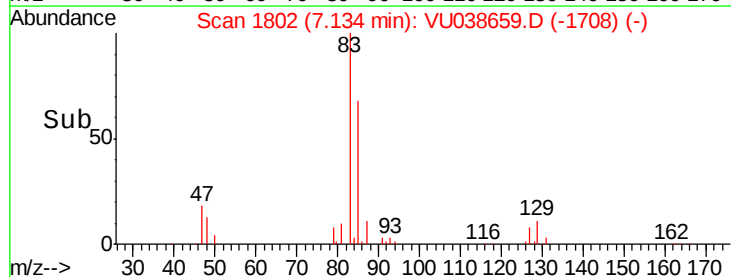
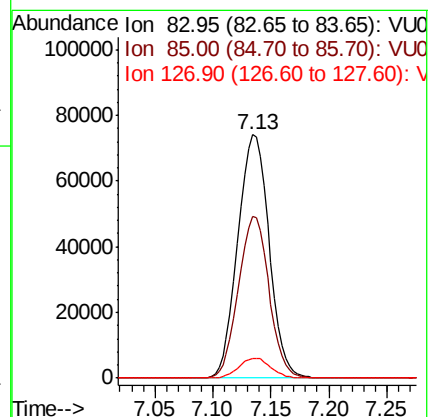
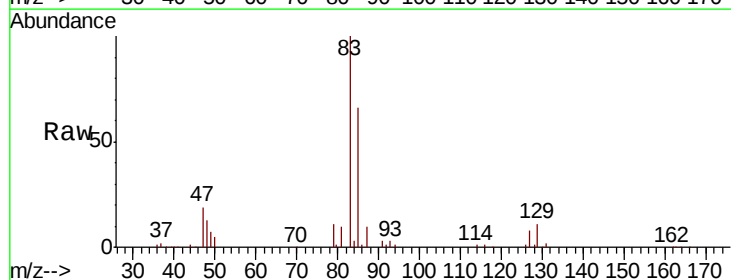
Tgt Ion: 83 Resp: 139154

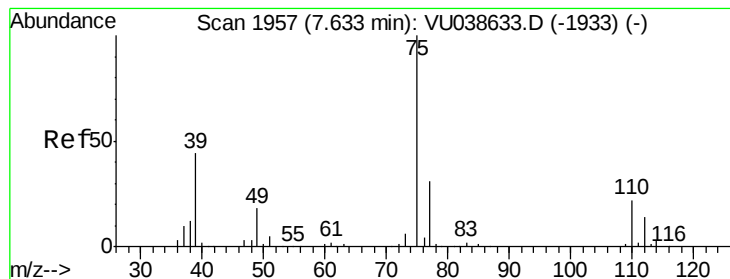
Ion Ratio Lower Upper

83 100

85 66.2 44.7 83.1

127 7.9 6.8 10.2



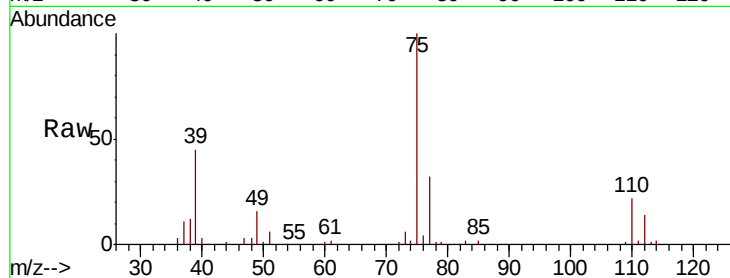


#39

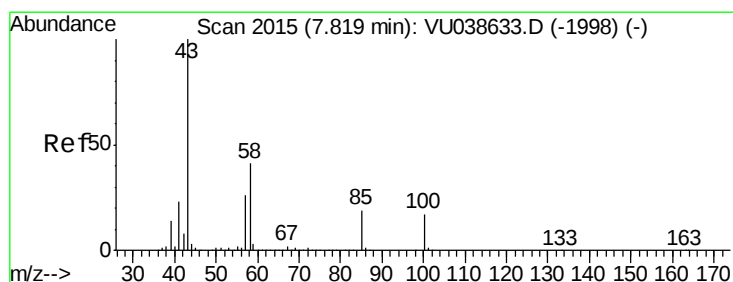
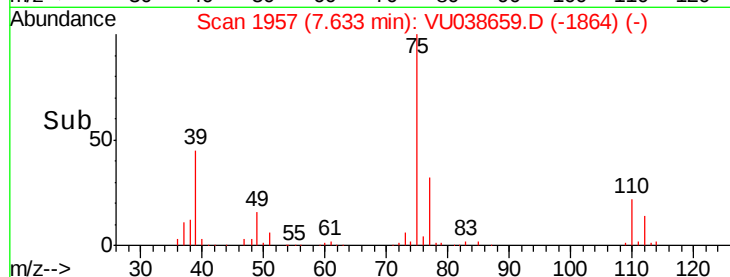
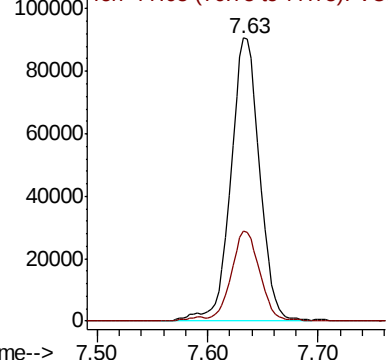
cis-1,3-Dichloropropene
Concen: 4.945 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 164155
Ion Ratio Lower Upper
75 100
77 31.7 21.9 40.7



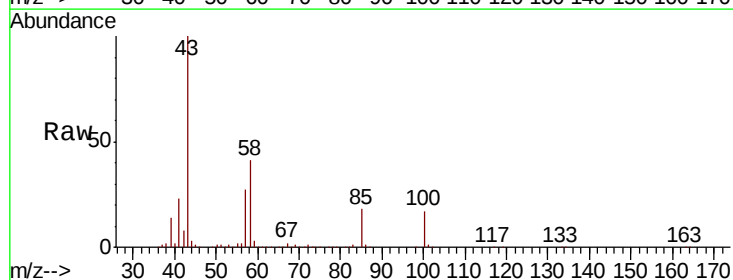
Abundance Ion 75.05 (74.75 to 75.75): VU038633.D (-1933) (-)
Ion 77.05 (76.75 to 77.75): VU038633.D (-1933) (-)



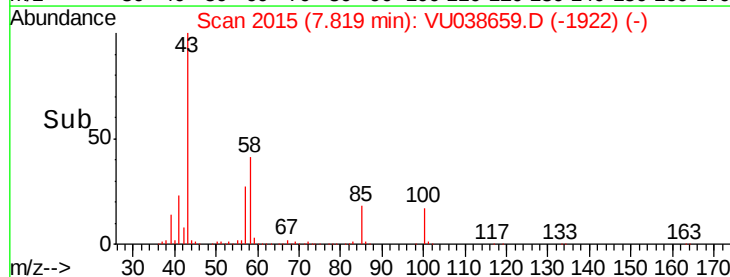
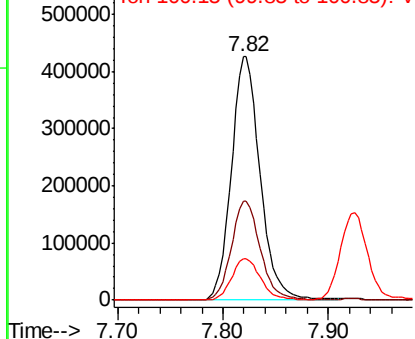
#40

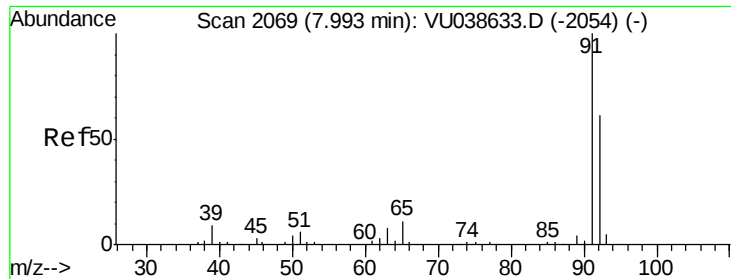
4-Methyl-2-pentanone
Concen: 49.942 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 43 Resp: 802308
Ion Ratio Lower Upper
43 100
58 41.1 32.4 48.6
100 17.2 13.3 19.9



Abundance Ion 43.05 (42.75 to 43.75): VU038633.D (-1998) (-)
Ion 58.05 (57.75 to 58.75): VU038633.D (-1998) (-)
Ion 100.15 (99.85 to 100.85): VU038633.D (-1998) (-)





#42

Toluene

Concen: 4.758 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

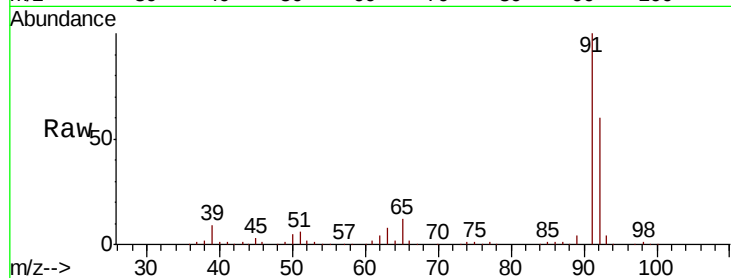
ClientSampled :

Tot Ion: 91 Resp: 445473

Ion Ratio Lower Upper

91 100

92 59.7 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038633.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038659.D (-1976) (-)

8.00

250000

200000

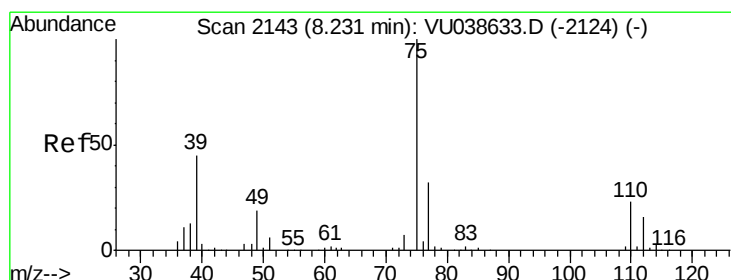
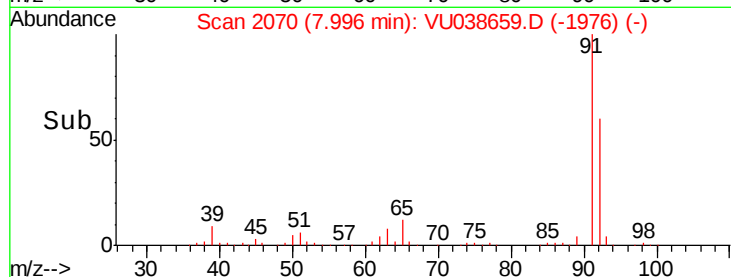
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.896 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038659.D

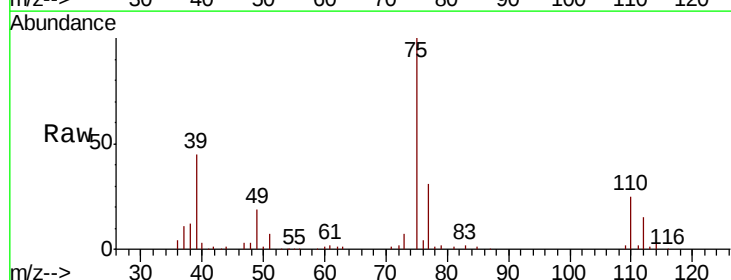
Acq: 08 Jun 2020 09:45

Tgt Ion: 75 Resp: 143552

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038633.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038659.D (-2050) (-)

8.23

100000

80000

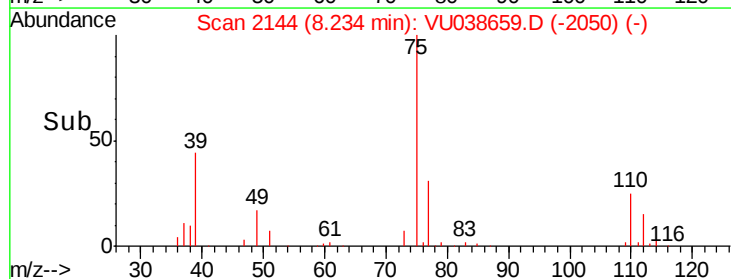
60000

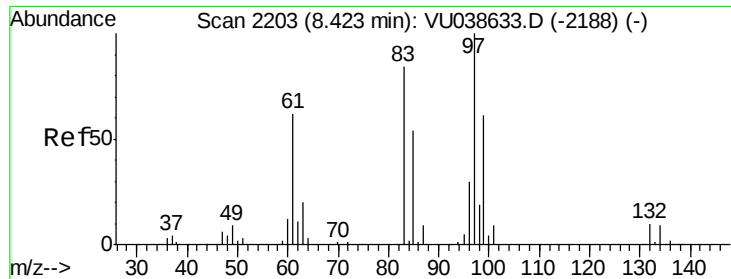
40000

20000

0

Time-->

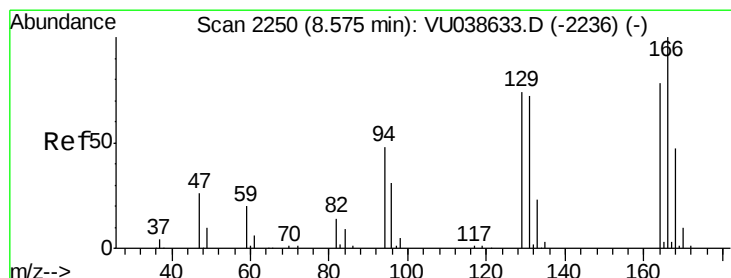
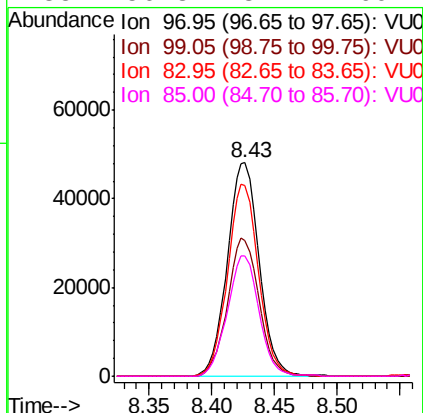
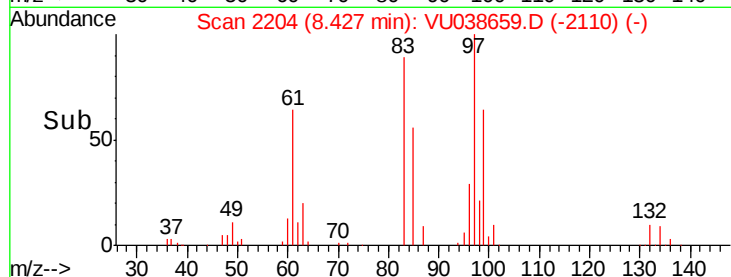
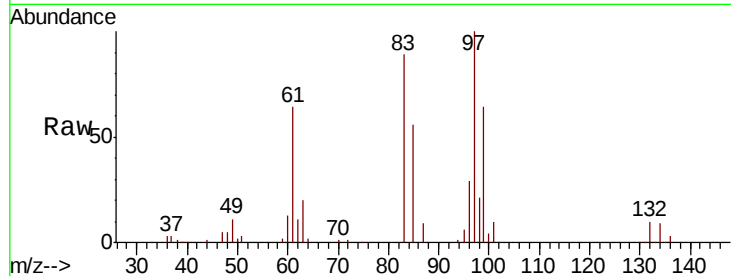




#45
1,1,2-Trichloroethane
Concen: 5.013 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

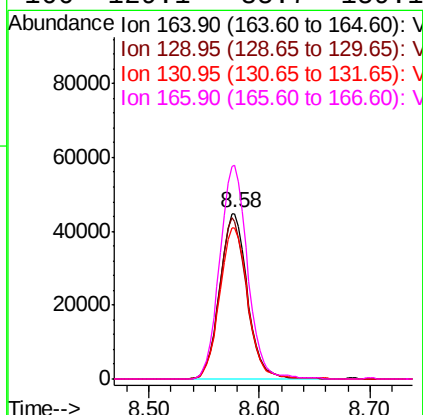
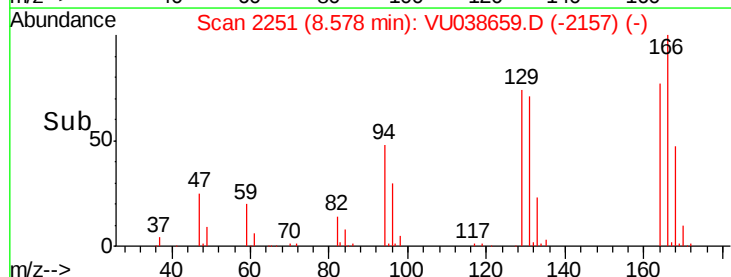
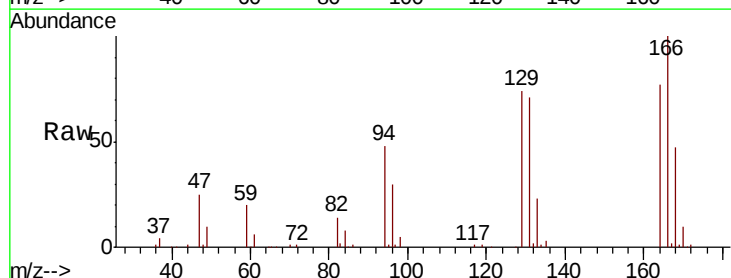
Instrument :
MSVOA_U
ClientSampleId :

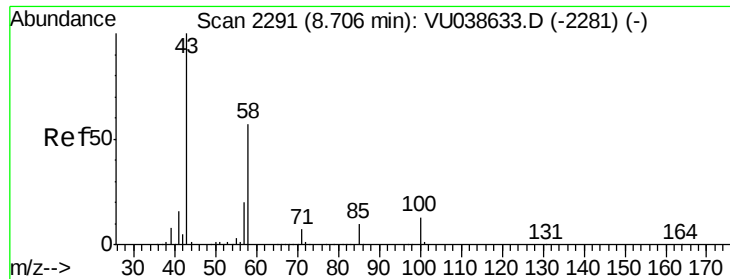
Tot Ion:	97	Resp:	84961
Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.1	78.1
83	89.2	58.8	109.2
85	56.3	37.4	69.4



#47
Tetrachloroethene
Concen: 4.636 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion:	164	Resp:	78041
Ion	Ratio	Lower	Upper
164	100		
129	95.2	67.4	125.2
131	91.4	64.1	119.1
166	129.1	85.7	159.1

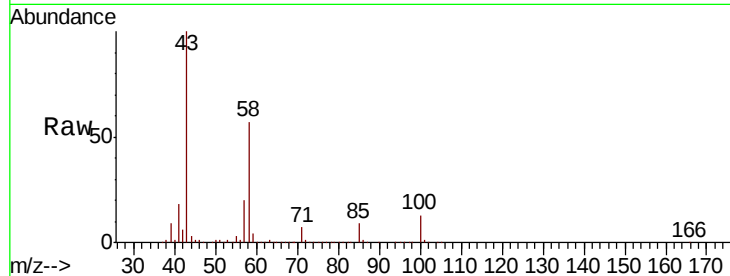




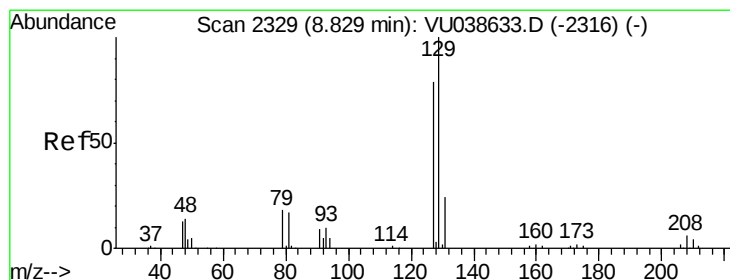
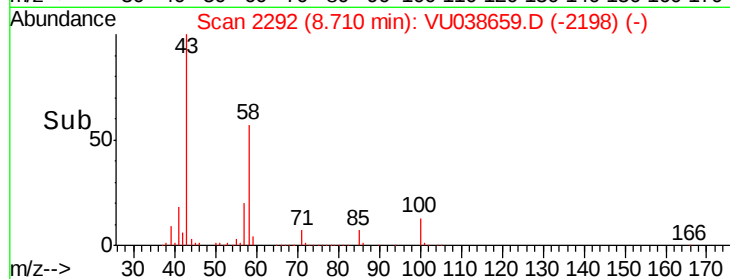
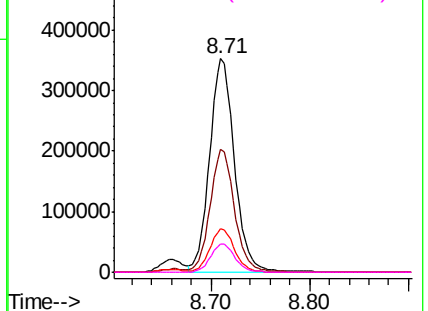
#48
2-Hexanone
Concen: 50.915 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 619439
Ion Ratio Lower Upper
43 100
58 56.4 45.4 68.0
57 20.5 15.9 23.9
100 13.0 10.5 15.7

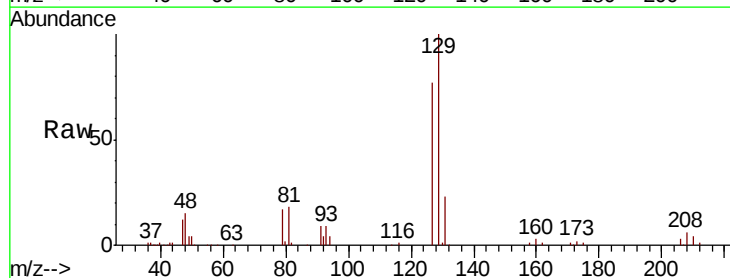


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

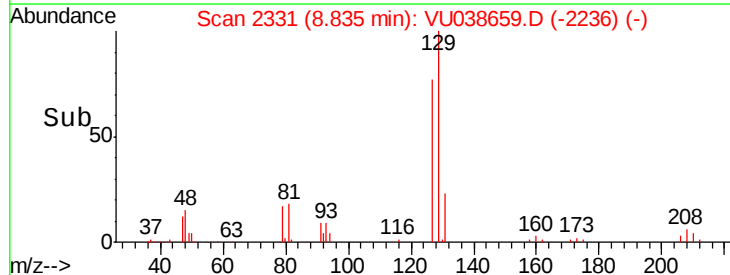
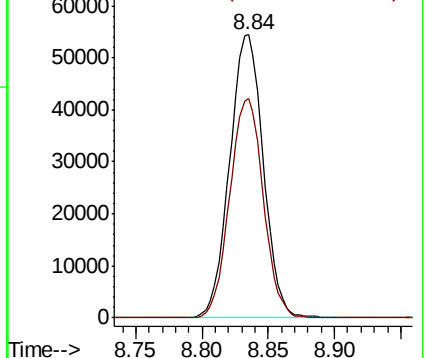


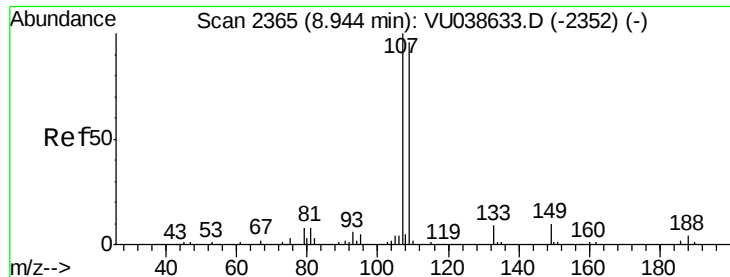
#49
Dibromochloromethane
Concen: 5.250 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.01 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion: 129 Resp: 96027
Ion Ratio Lower Upper
129 100
127 77.5 53.3 99.1



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

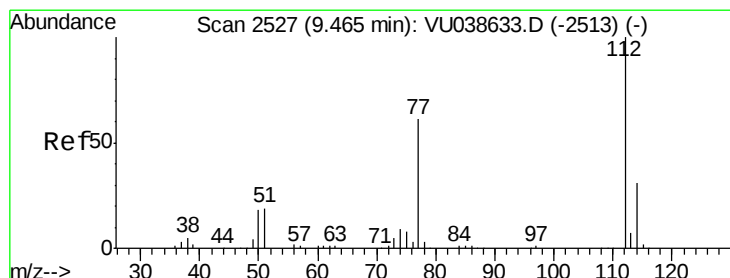
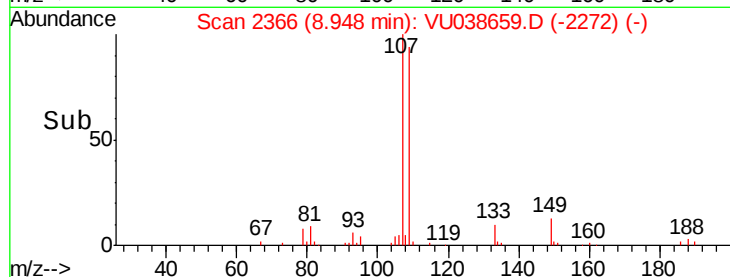
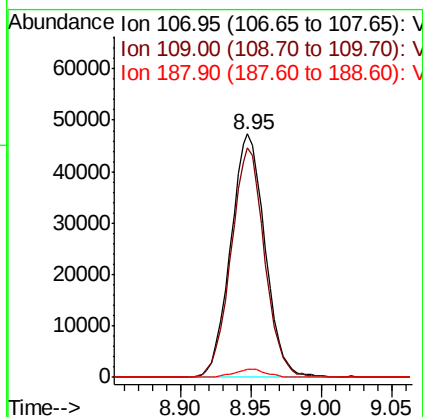
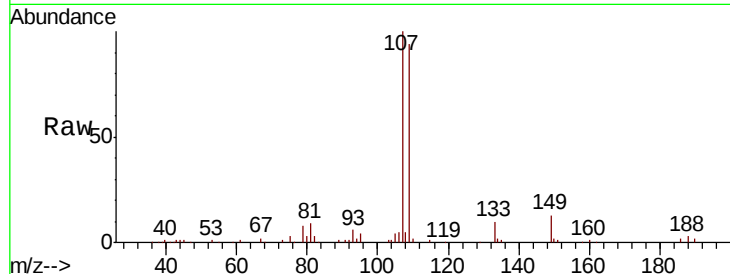




#50
1,2-Dibromoethane
Concen: 4.961 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

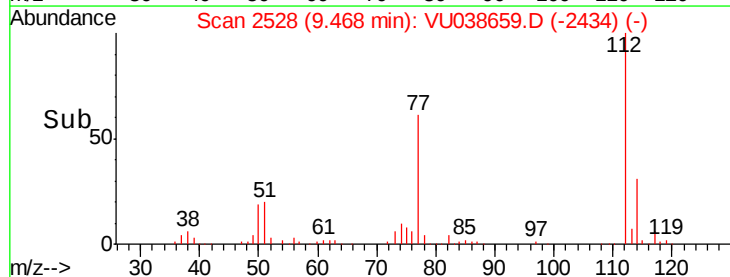
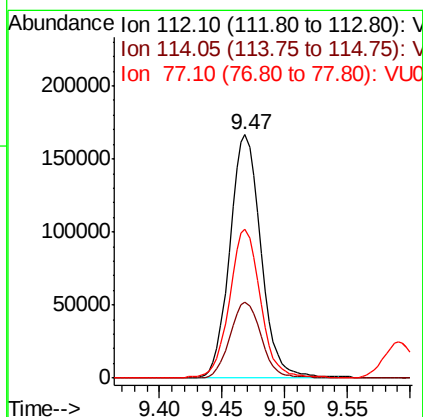
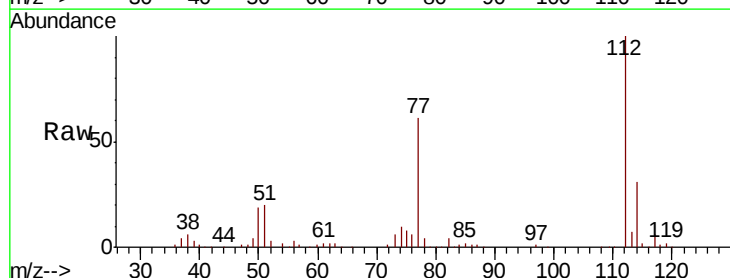
Instrument :
MSVOA_U
ClientSampleId :

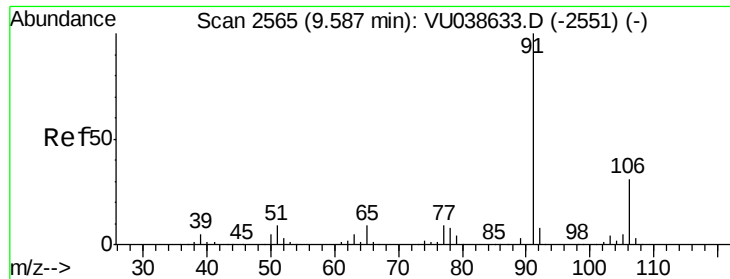
Tot Ion:107 Resp: 80510
Ion Ratio Lower Upper
107 100
109 94.2 67.0 124.4
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 4.767 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion:112 Resp: 287830
Ion Ratio Lower Upper
112 100
114 31.3 22.4 41.6
77 61.1 47.1 70.7





#52

Ethylbenzene

Concen: 4.692 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

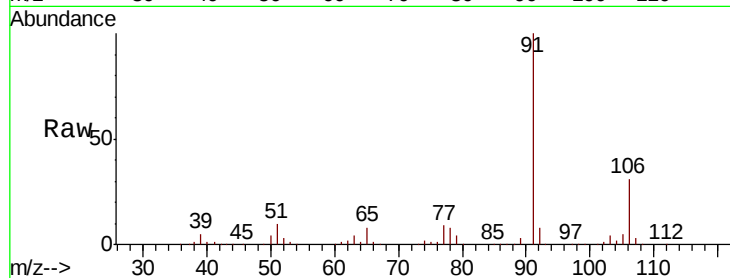
ClientSampleId :

Tot Ion: 91 Resp: 488794

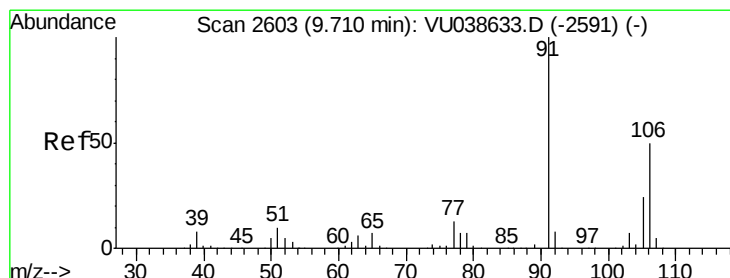
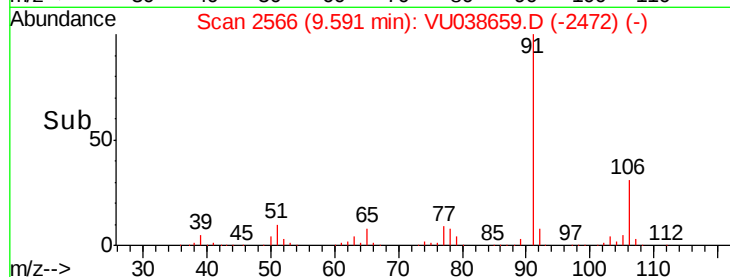
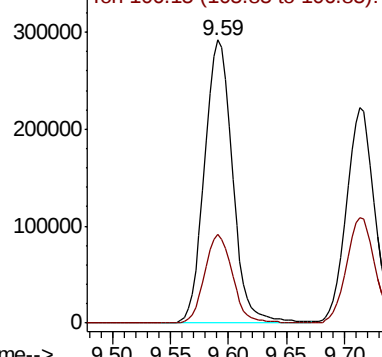
Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038633.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.763 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038659.D

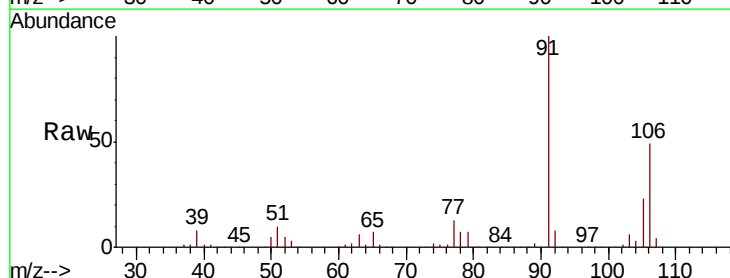
Acq: 08 Jun 2020 09:45

Tgt Ion: 106 Resp: 190826

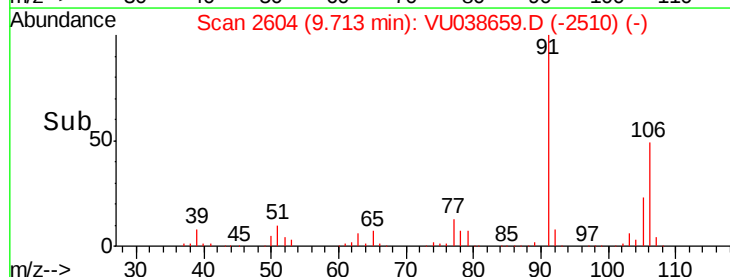
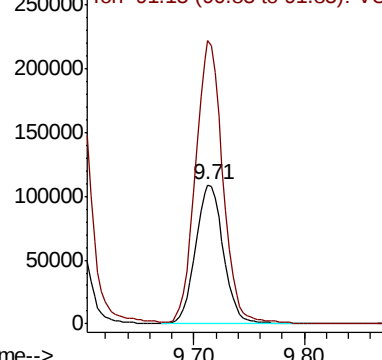
Ion Ratio Lower Upper

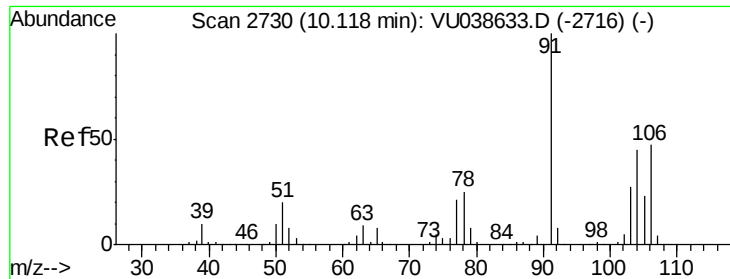
106 100

91 203.1 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038659.D (-2510) (-)

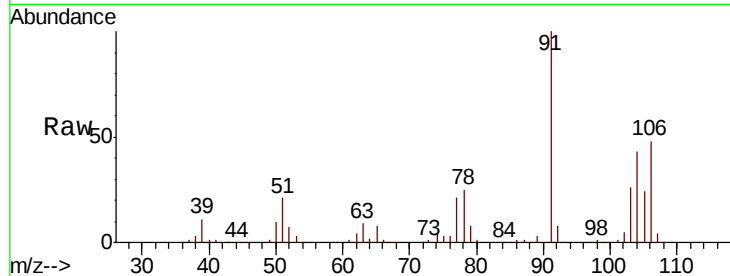




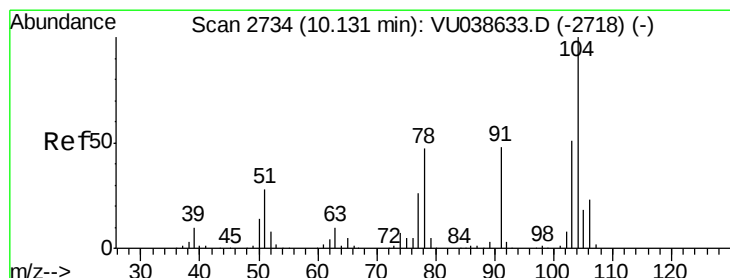
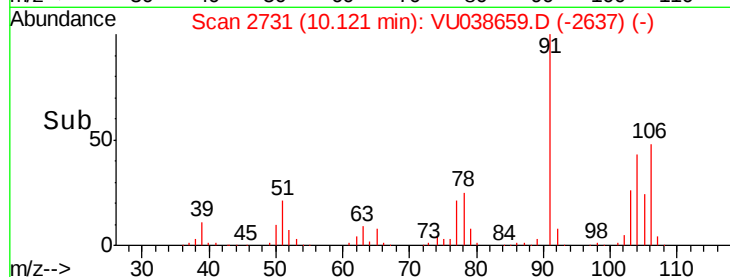
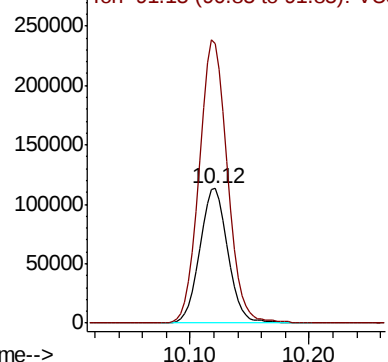
#54
o-Xylene
Concen: 4.825 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 185578
Ion Ratio Lower Upper
106 100
91 207.5 150.6 279.8

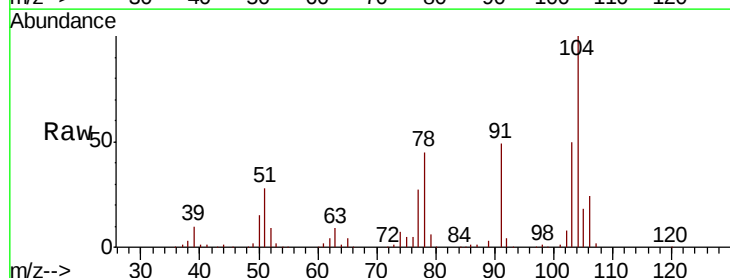


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

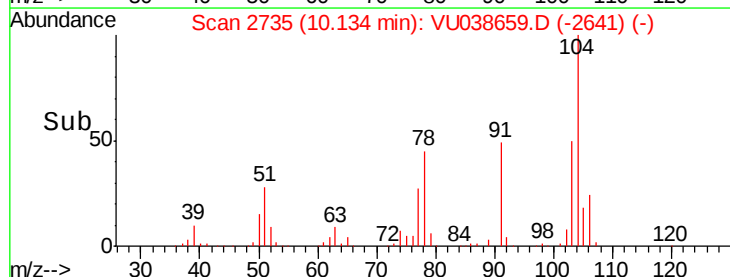
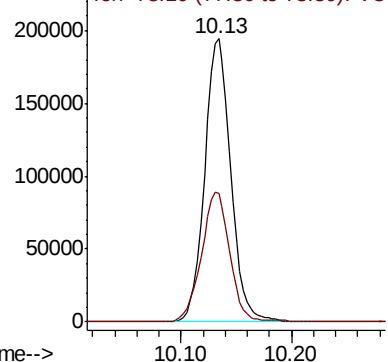


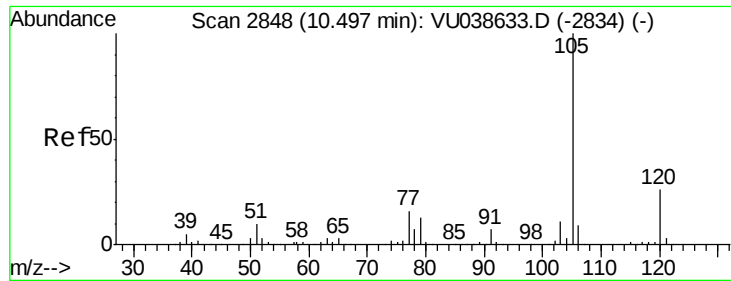
#55
Styrene
Concen: 4.883 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038659.D
Acq: 08 Jun 2020 09:45

Tgt Ion:104 Resp: 318751
Ion Ratio Lower Upper
104 100
78 45.2 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: 4.839 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

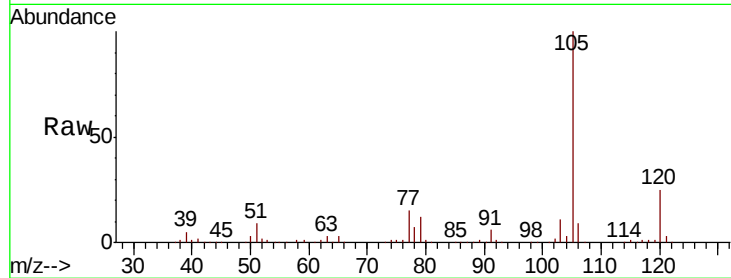
Tot Ion:105 Resp: 489877

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

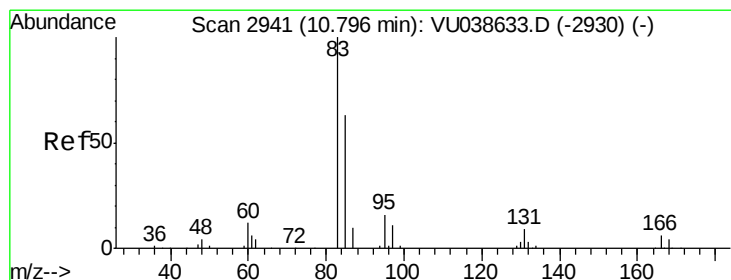
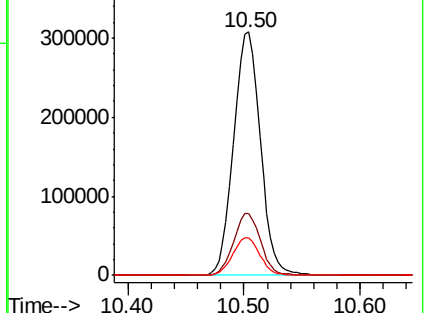
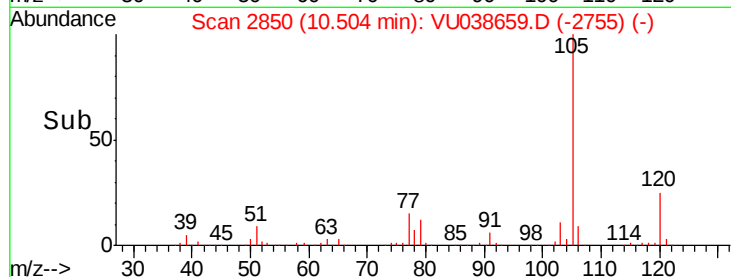
77 15.7 12.5 18.7



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: 5.024 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

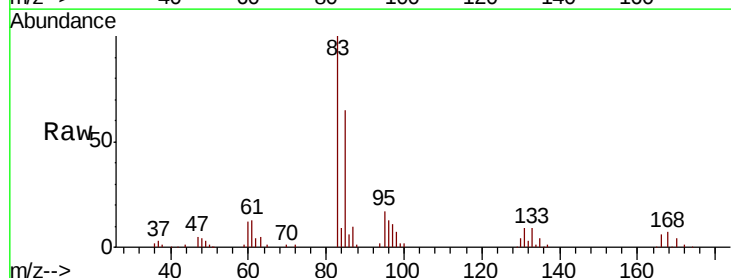
Tgt Ion: 83 Resp: 108205

Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.0

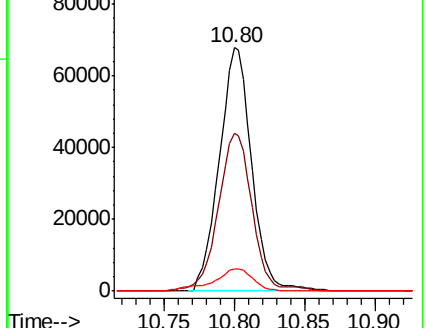
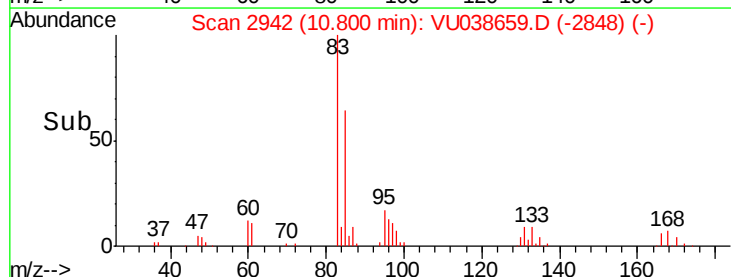
131 9.2 8.1 12.1

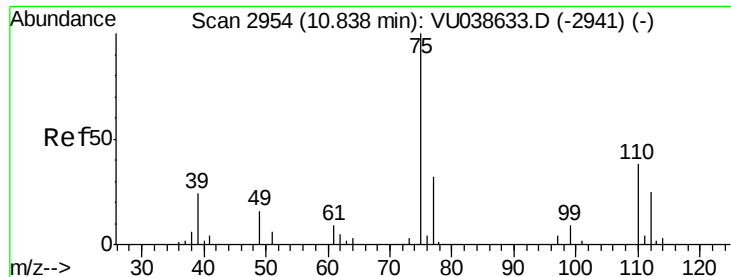


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.033 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

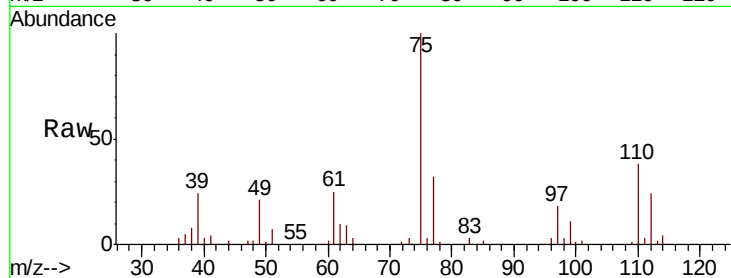
ClientSampleId :

Tot Ion: 75 Resp: 84379

Ion Ratio Lower Upper

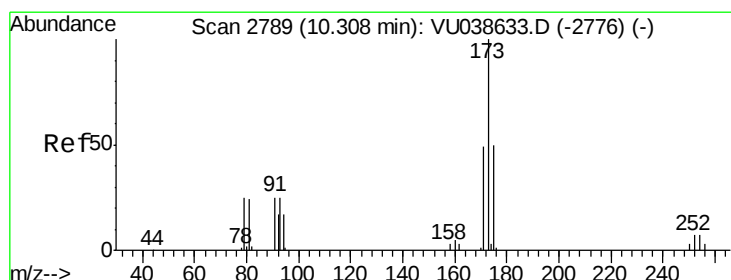
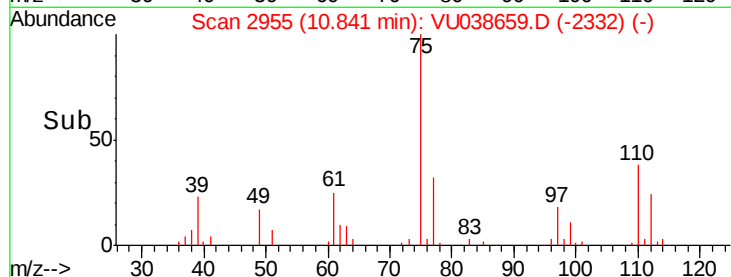
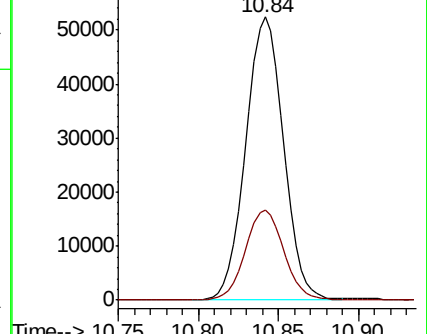
75 100

77 32.4 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038633.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038633.D (-2941) (-)



#61

Bromoform

Concen: 5.373 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

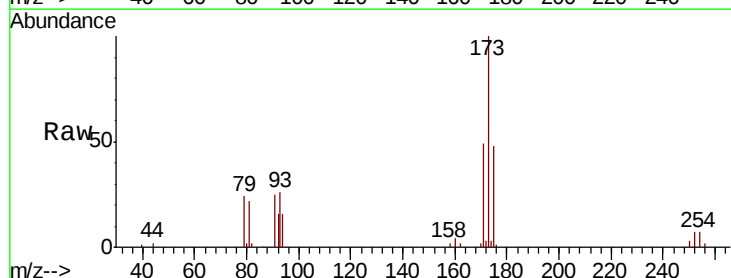
Tgt Ion: 173 Resp: 54830

Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

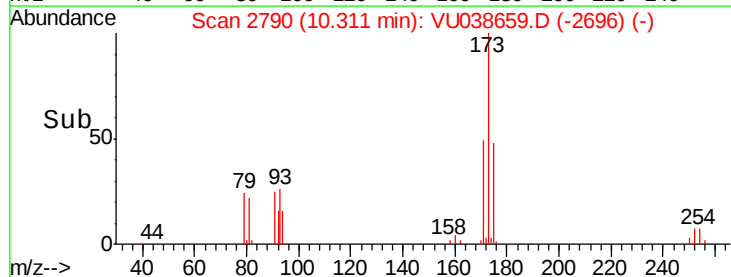
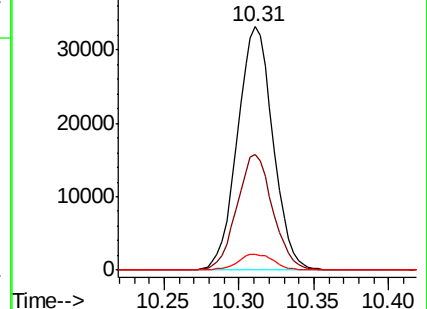
254 6.7 5.4 8.2

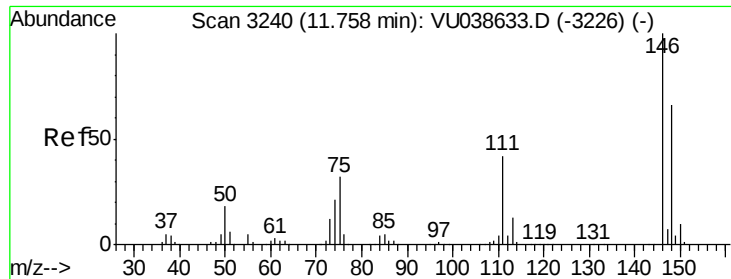


Abundance Ion 172.90 (172.60 to 173.60): VU038633.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038633.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038633.D (-2776) (-)





#62

1,3-Dichlorobenzene

Concen: 4.842 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

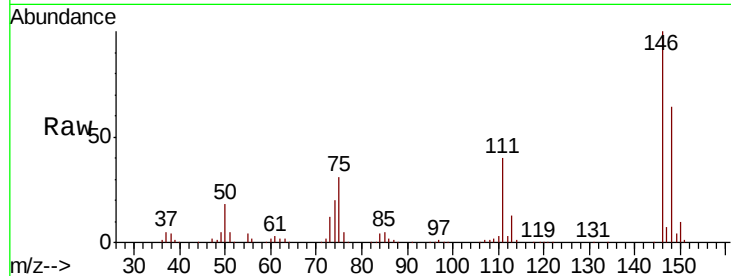
Tot Ion:146 Resp: 233041

Ion Ratio Lower Upper

146 100

111 40.3 29.5 54.9

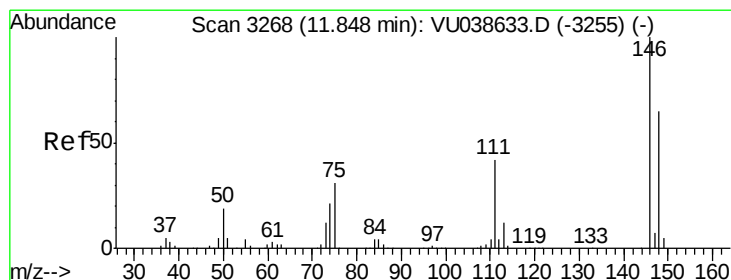
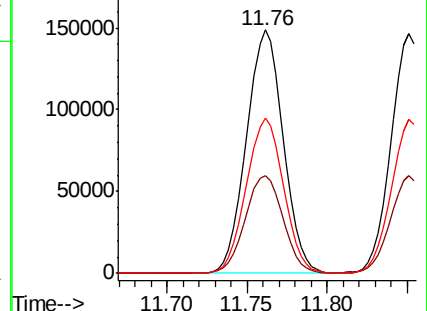
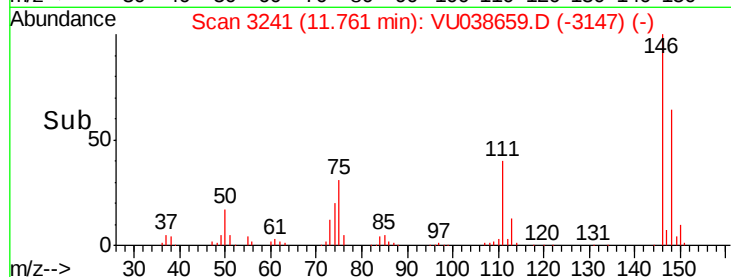
148 63.6 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.771 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

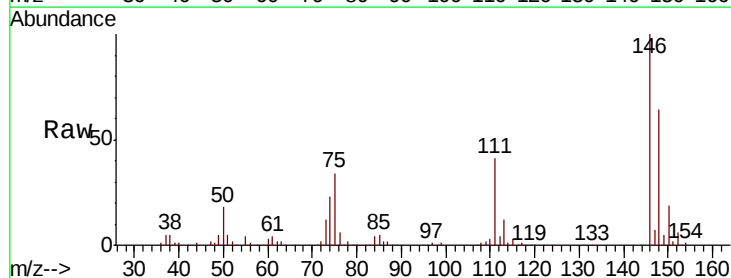
Tgt Ion:146 Resp: 232861

Ion Ratio Lower Upper

146 100

111 40.5 27.6 51.2

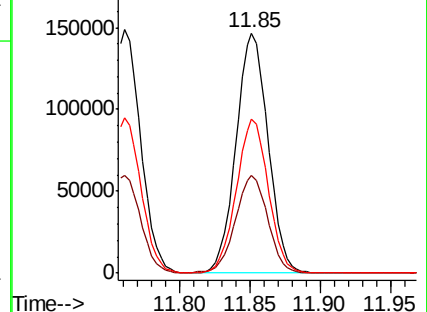
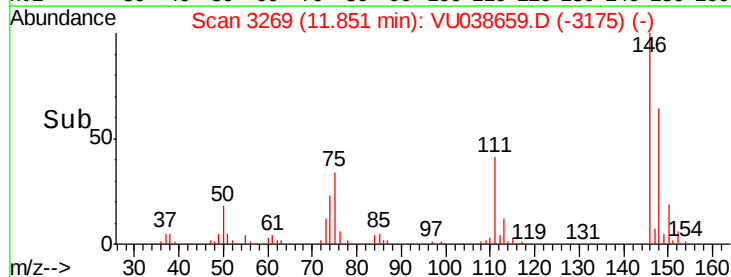
148 63.8 44.8 83.2

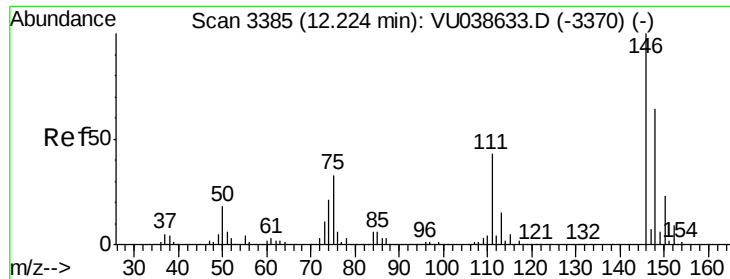


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

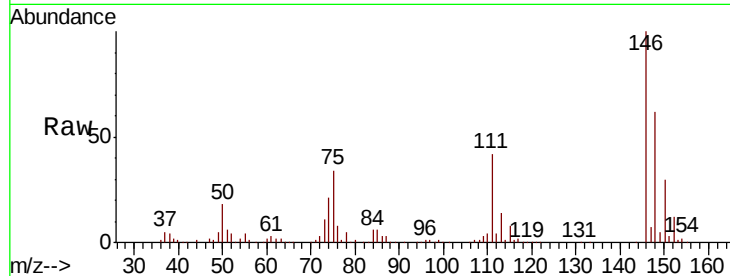




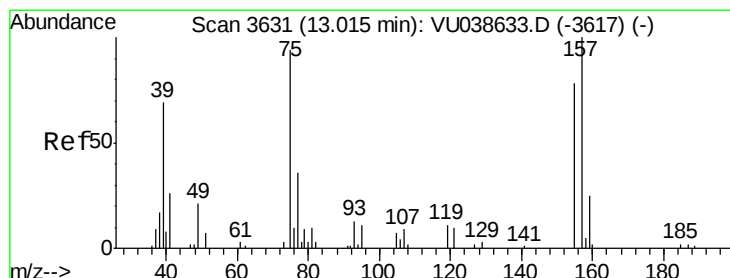
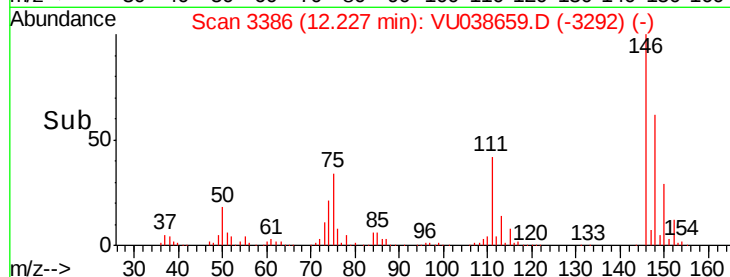
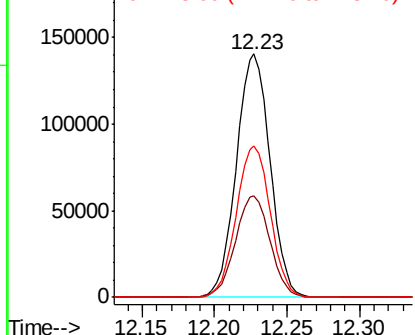
#65
 1,2-Dichlorobenzene
 Concen: 4.960 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 226704
 Ion Ratio Lower Upper
 146 100
 111 41.9 35.1 52.7
 148 62.4 50.9 76.3

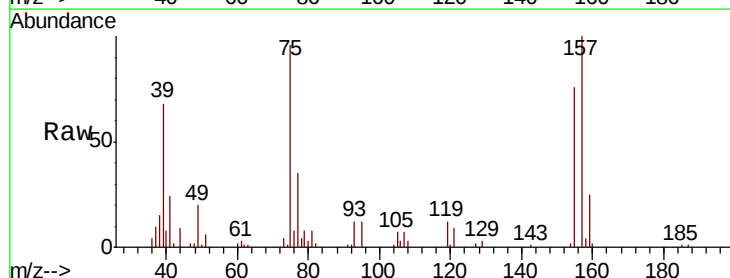


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

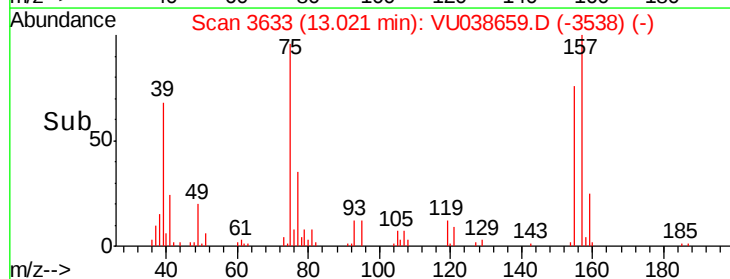
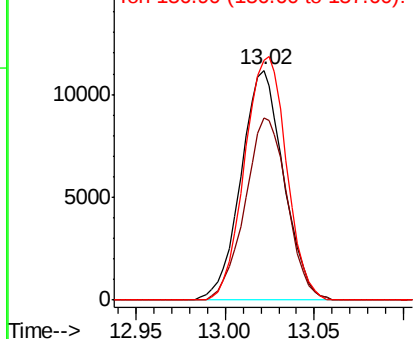


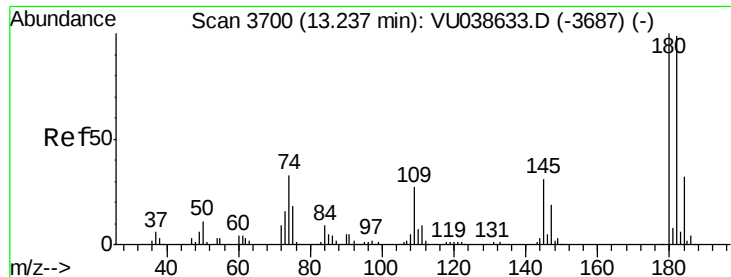
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.037 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.01 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

Tgt Ion: 75 Resp: 18640
 Ion Ratio Lower Upper
 75 100
 155 79.3 59.6 89.4
 157 104.4 79.8 119.6



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

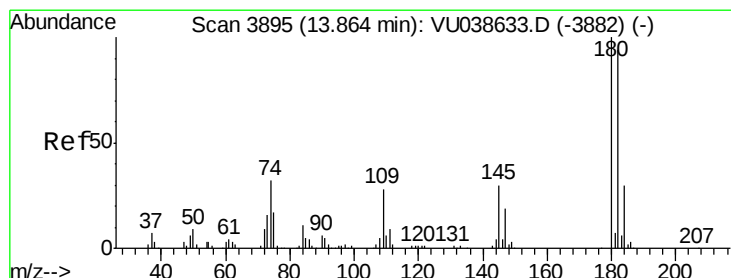
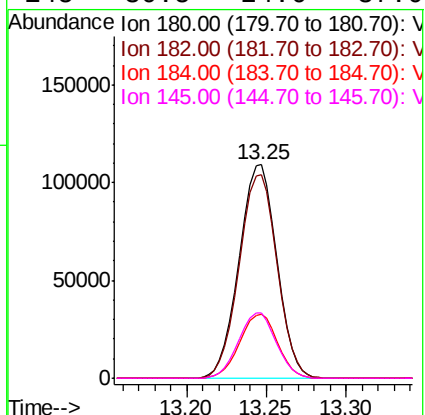
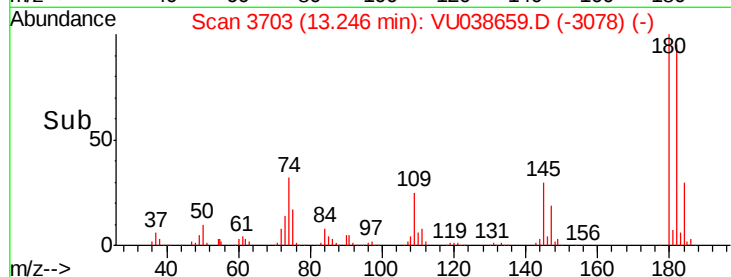
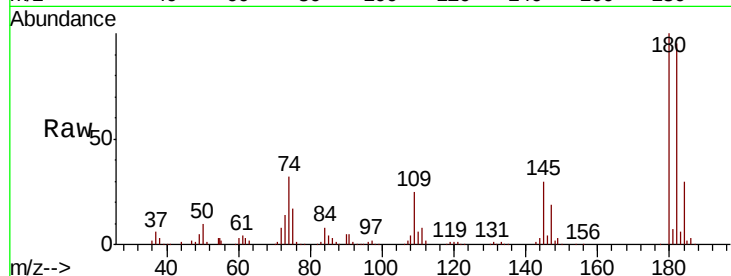




#67
 1,3,5-Trichlorobenzene
 Concen: 4.875 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

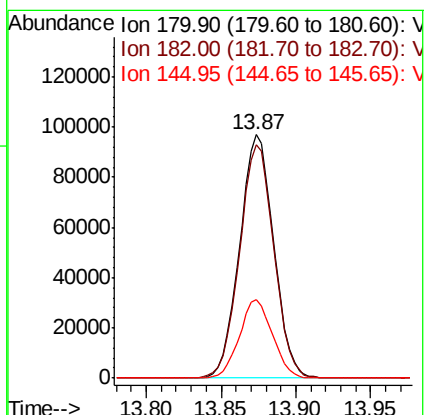
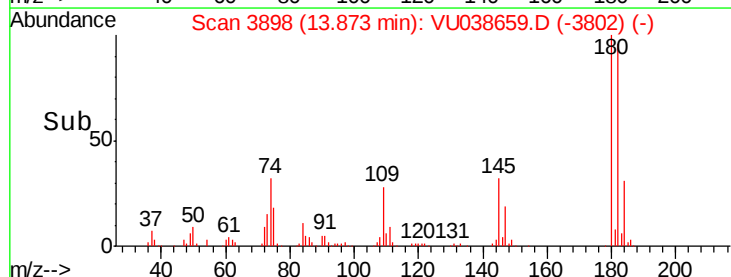
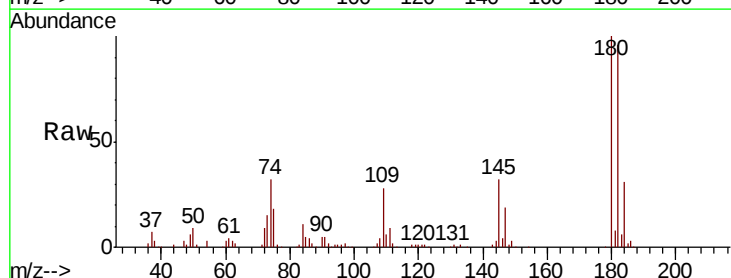
Instrument :
 MSVOA_U
 ClientSampleId :

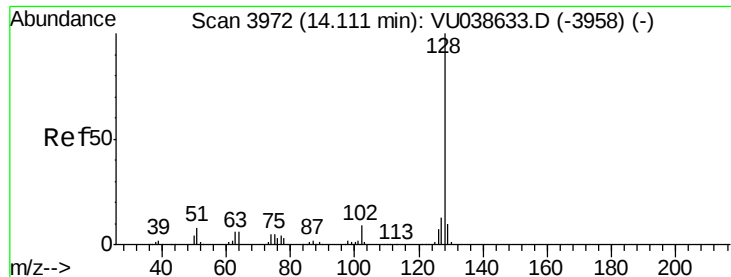
Tot Ion:	180	Resp:	175068
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
184	30.1	25.1	37.7
145	30.5	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.625 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038659.D
 Acq: 08 Jun 2020 09:45

Tgt Ion:	180	Resp:	153727
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.8
145	31.2	25.3	37.9





#69

Naphthalene

Concen: 4.642 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

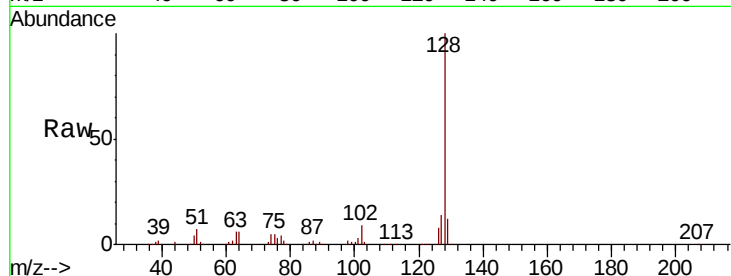
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:128 Resp: 307057

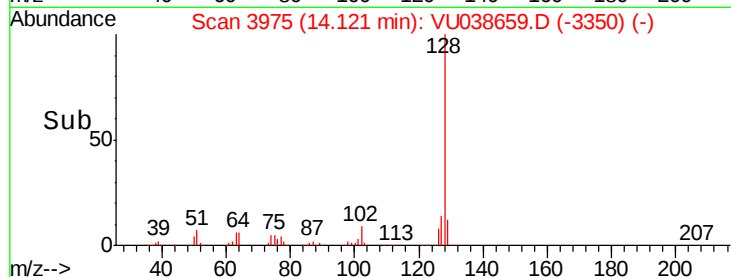
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.6	10.2	15.4



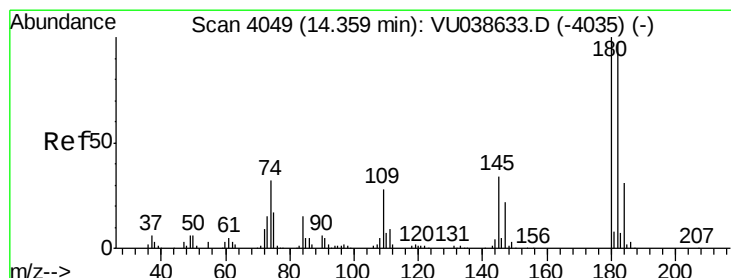
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.834 ug/L

RT: 14.37 min Scan# 4052

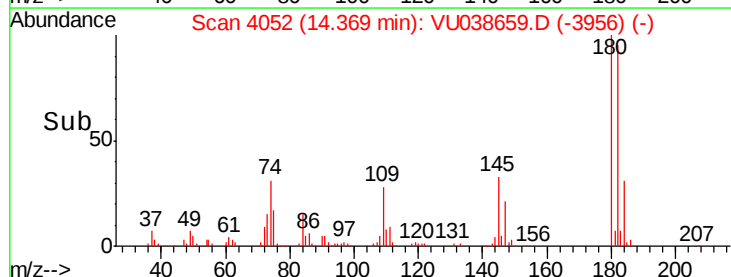
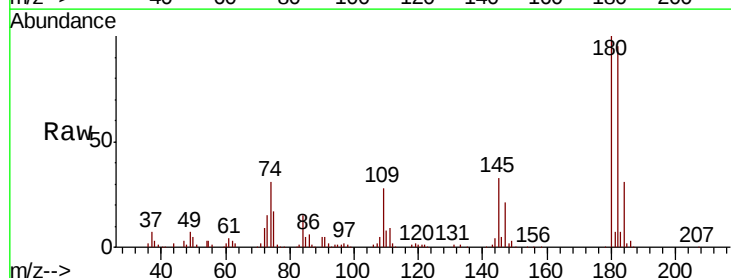
Delta R.T. 0.01 min

Lab File: VU038659.D

Acq: 08 Jun 2020 09:45

Tgt Ion:180 Resp: 146187

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.7	118.1
145	33.4	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

Time-->