

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038308.D
 Acq On : 26 May 2020 19:42
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:57:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 06:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	311990	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	305230	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	157475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126651	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.93	69	109252	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	241211	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.66	46	380819	54.09	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.18%
24) Chloroform-d	5.10	84	246793	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.74	65	134749	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.76	84	502277	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.72	67	155521	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.92	98	456424	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
43) trans-1,3-Dichloropropene-	8.20	79	61407	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.65	63	292981	52.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.94%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	127465	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	170352	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	140088	4.910 ug/L	99
3) Chloromethane	1.54	50	123057	3.579 ug/L	97
5) Vinyl chloride	1.62	62	137318	4.075 ug/L	89
6) Bromomethane	1.87	94	40705	2.122 ug/L	99
8) Chloroethane	1.95	64	83361	4.022 ug/L	96
9) Trichlorofluoromethane	2.16	101	179889	5.222 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	103547	4.848 ug/L	97
12) 1,1-Dichloroethene	2.60	96	105692	4.882 ug/L	99
13) Acetone	2.65	43	199961	45.266 ug/L	98
14) Carbon disulfide	2.82	76	366188	4.741 ug/L	100
15) Methyl Acetate	2.98	43	54698	4.426 ug/L	96
16) Methylene chloride	3.08	84	119951	4.753 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	288121	4.789 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	114619	4.849 ug/L	98
19) 1,1-Dichloroethane	3.91	63	215198	4.661 ug/L	99
21) 2-Butanone	4.74	43	360043	46.176 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	125551	4.929 ug/L	98

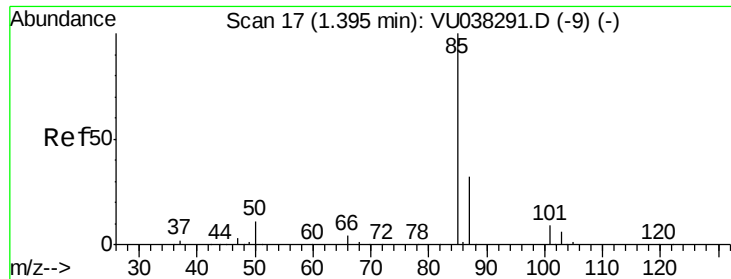
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052620\
 Data File : VU038308.D
 Acq On : 26 May 2020 19:42
 Operator : JC/MD
 Sample : VSTDCCC005EC
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 06:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54273	4.951	ug/L	92
25) Chloroform	5.13	83	214408	4.979	ug/L	98
27) 1,2-Dichloroethane	5.83	62	145824	4.797	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	184968	5.289	ug/L	98
30) Cyclohexane	5.42	56	196096	4.749	ug/L	99
31) Carbon tetrachloride	5.56	117	153892	5.475	ug/L	97
33) Benzene	5.81	78	483781	4.949	ug/L	100
34) Trichloroethene	6.57	95	120390	4.925	ug/L	96
35) Methylcyclohexane	6.79	83	185758	4.691	ug/L	98
37) 1,2-Dichloropropane	6.82	63	123432	4.649	ug/L	98
38) Bromodichloromethane	7.13	83	153869	5.013	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	183582	4.831	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	838068	45.545	ug/L	99
42) Toluene	7.99	91	513534	4.977	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	151177	4.679	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	88787	4.816	ug/L	98
47) Tetrachloroethene	8.57	164	88484	5.175	ug/L	98
48) 2-Hexanone	8.70	43	622948	46.227	ug/L	98
49) Dibromochloromethane	8.83	129	96799	5.059	ug/L	99
50) 1,2-Dibromoethane	8.94	107	85787	5.014	ug/L	99
51) Chlorobenzene	9.47	112	359273	5.611	ug/L	99
52) Ethylbenzene	9.59	91	569883	5.099	ug/L	99
53) m,p-Xylene	9.71	106	221174	5.161	ug/L	99
54) o-Xylene	10.12	106	214391	5.174	ug/L	100
55) Styrene	10.13	104	360500	5.182	ug/L	100
56) Isopropylbenzene	10.50	105	558396	5.246	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	113602	4.853	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	86035	4.828	ug/L	99
61) Bromoform	10.31	173	52548	4.937	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	249949	4.878	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	251677	4.848	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	242640	4.922	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17522	4.349	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.24	180	182189	4.900	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	164177	4.869	ug/L	98
69) Naphthalene	14.11	128	336425	4.739	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	154396	4.926	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.910 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

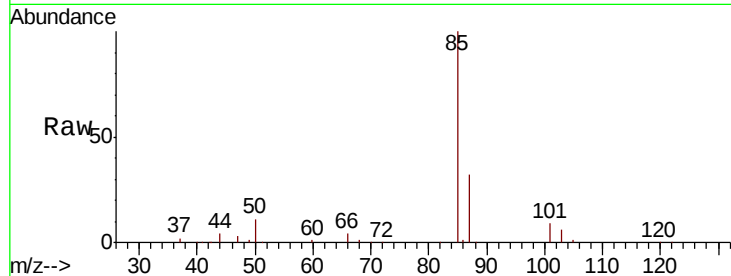
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 140088

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038291.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038291.D (-9) (-)

1.39

150000

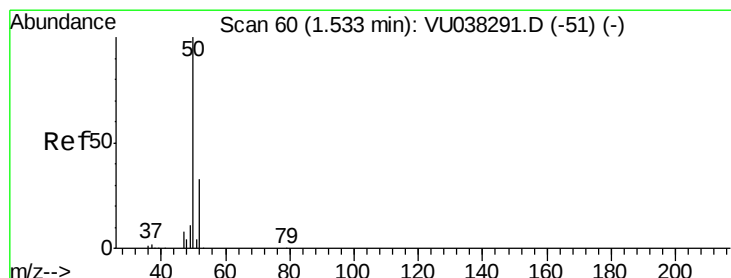
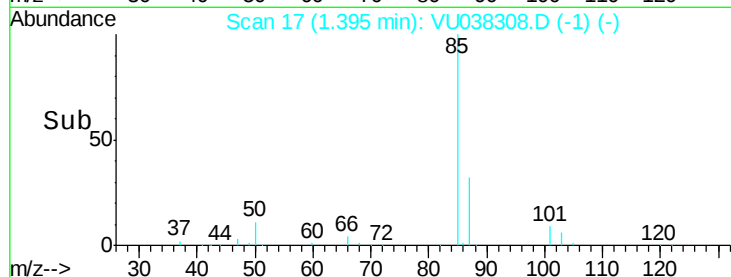
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 3.579 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038308.D

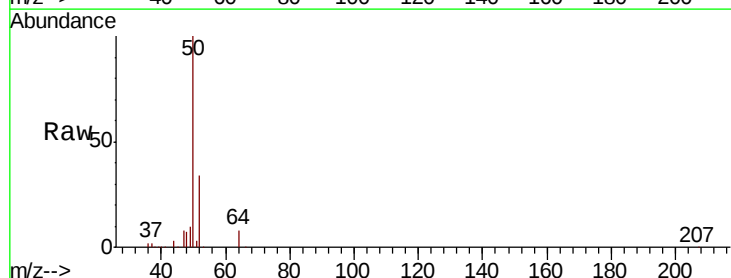
Acq: 26 May 2020 19:42

Tgt Ion: 50 Resp: 123057

Ion Ratio Lower Upper

50 100

52 33.9 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038291.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038291.D (-51) (-)

1.54

120000

100000

80000

60000

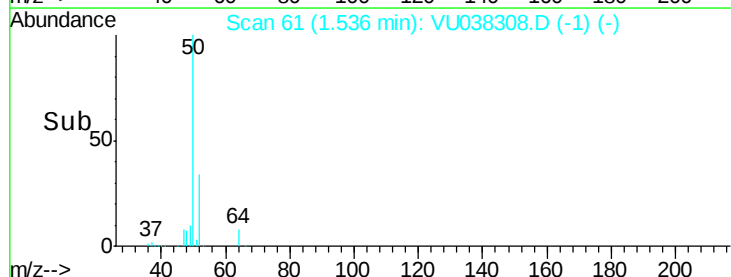
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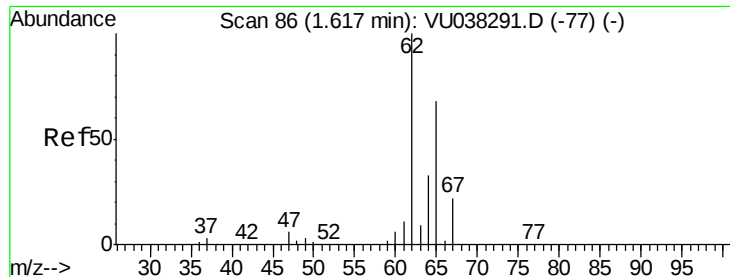
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.075 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

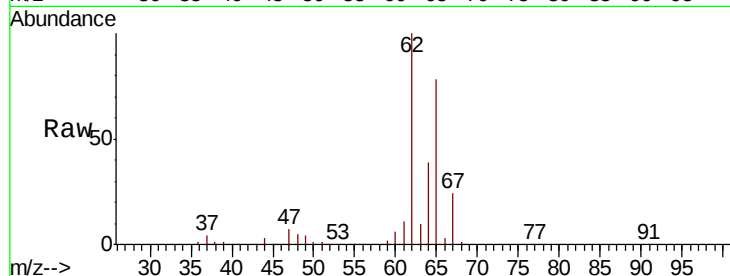
ClientSampled :

Tot Ion: 62 Resp: 137318

Ion Ratio Lower Upper

62 100

64 39.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

150000

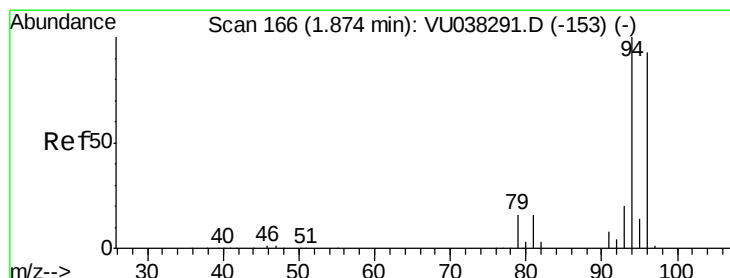
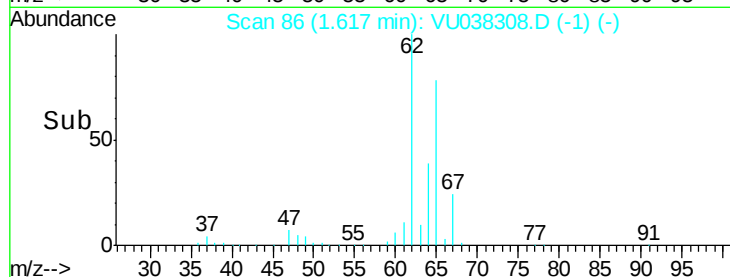
100000

50000

0

Time-->

1.60 1.65



#6

Bromomethane

Concen: 2.122 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038308.D

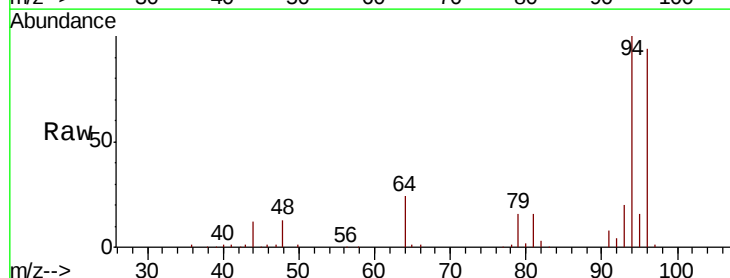
Acq: 26 May 2020 19:42

Tgt Ion: 94 Resp: 40705

Ion Ratio Lower Upper

94 100

96 93.6 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

30000

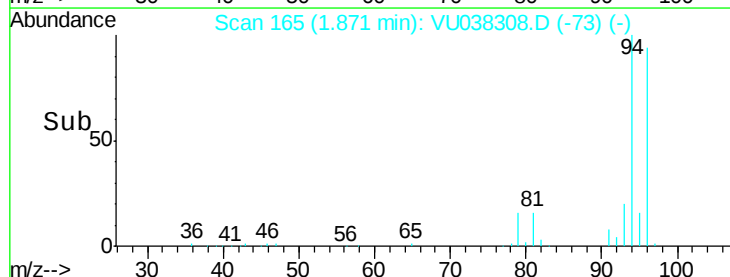
20000

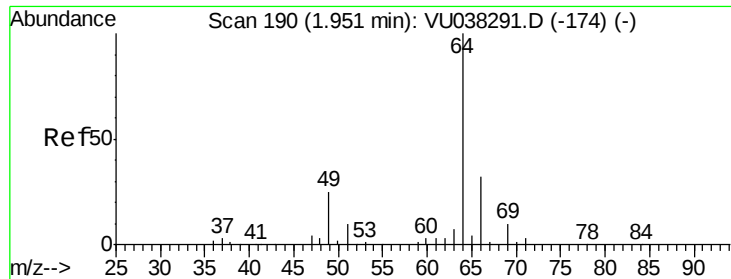
10000

0

Time-->

1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.022 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

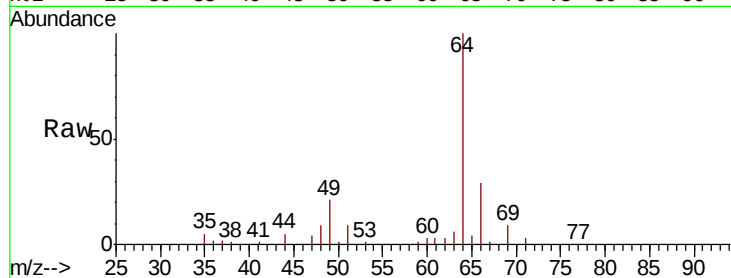
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 83361

Ion Ratio Lower Upper

64 100

66 28.8 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038291.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU038291.D (-174) (-)

1.95

80000

60000

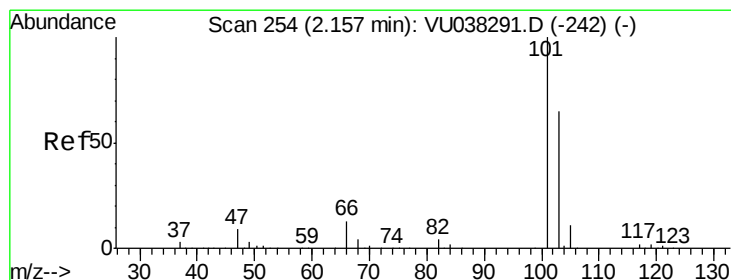
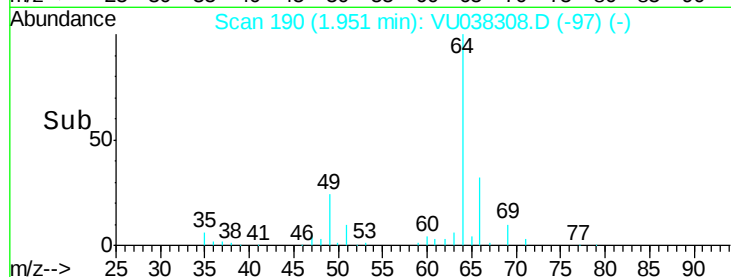
40000

20000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 5.222 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU038308.D

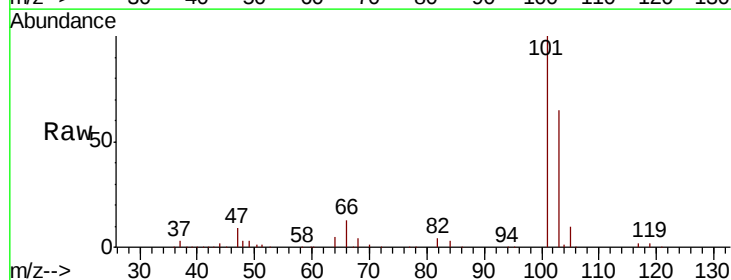
Acq: 26 May 2020 19:42

Tgt Ion:101 Resp: 179889

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038291.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038291.D (-242) (-)

2.16

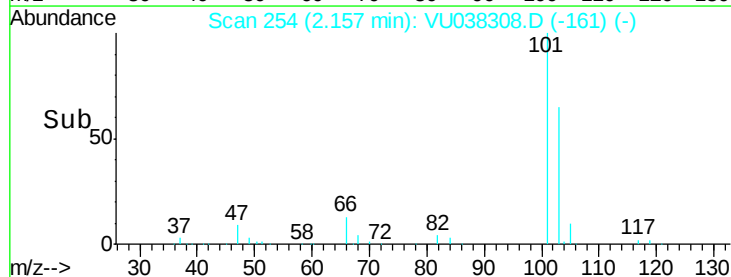
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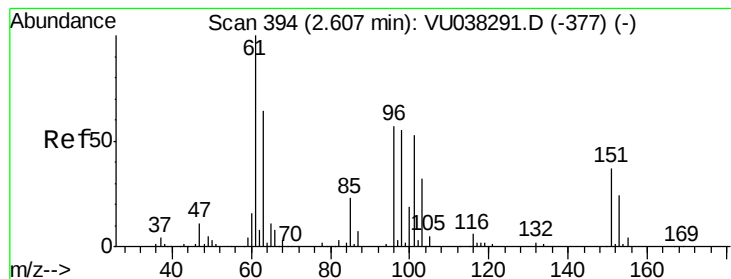
50000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 4.848 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampleId :

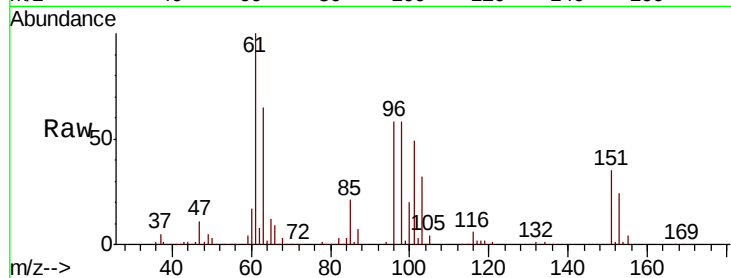
Tot Ion:101 Resp: 103547

Ion Ratio Lower Upper

101 100

85 43.7 35.3 52.9

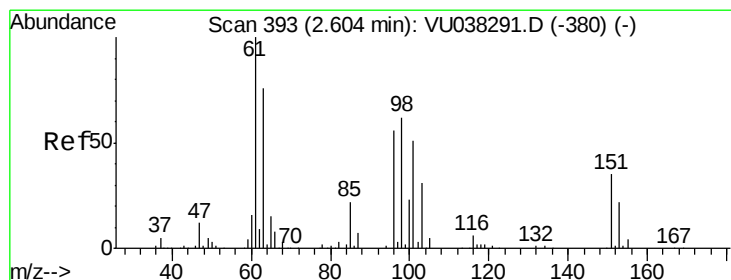
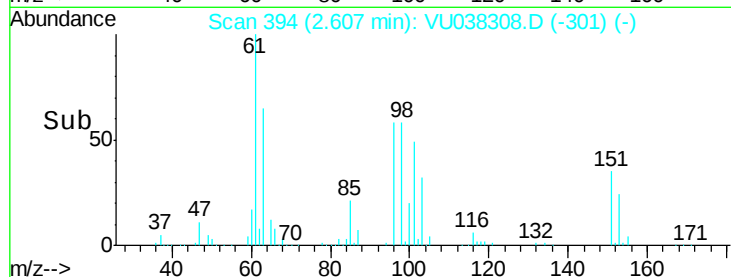
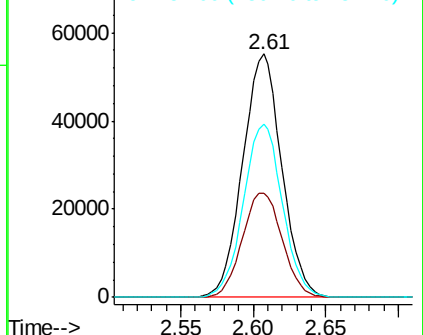
151 71.1 54.2 81.2



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: 4.882 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

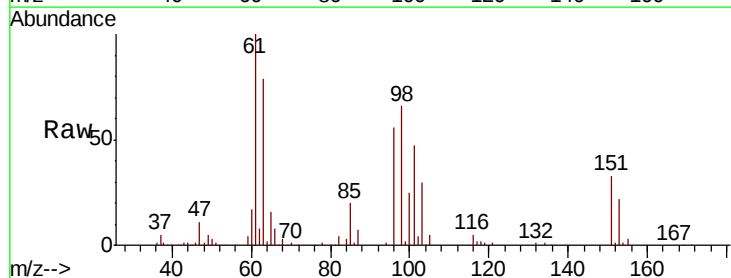
Tgt Ion: 96 Resp: 105692

Ion Ratio Lower Upper

96 100

61 178.6 126.2 234.4

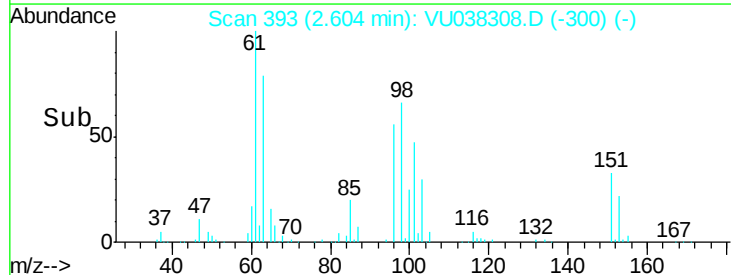
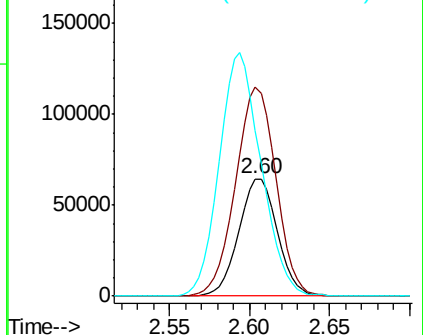
63 140.6 96.9 179.9

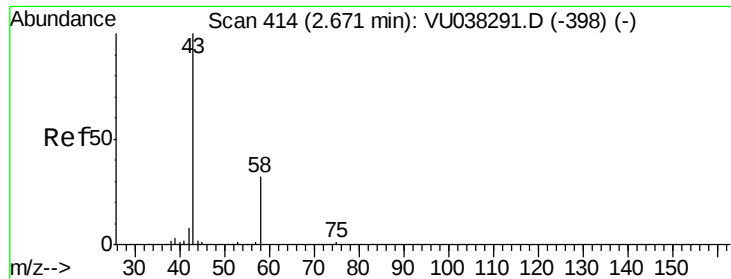


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.266 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.02 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

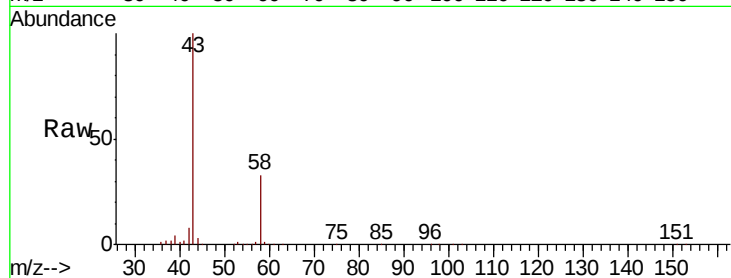
ClientSampleId :

Tot Ion: 43 Resp: 199961

Ion Ratio Lower Upper

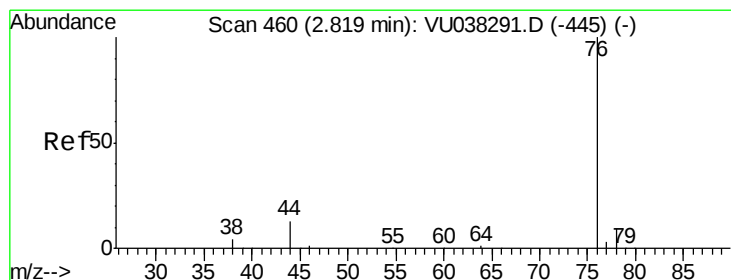
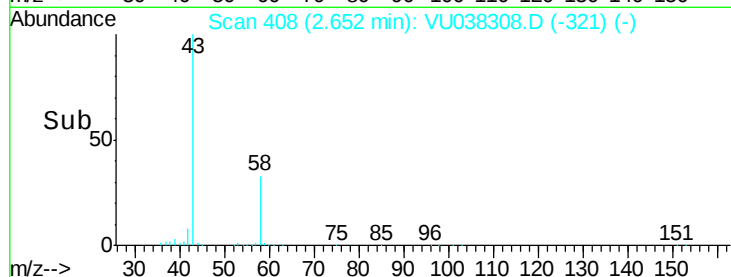
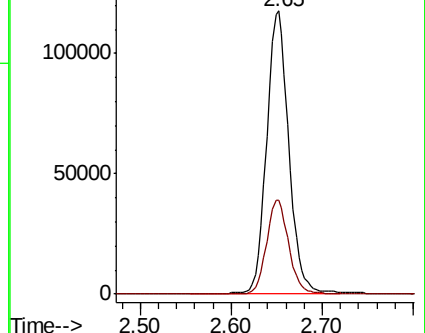
43 100

58 33.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038308.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU038308.D (-321) (-)



#14

Carbon disulfide

Concen: 4.741 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038308.D

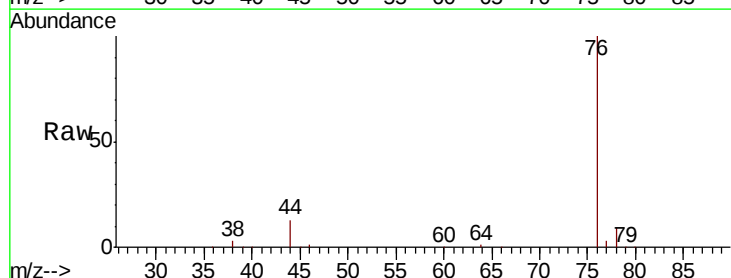
Acq: 26 May 2020 19:42

Tgt Ion: 76 Resp: 366188

Ion Ratio Lower Upper

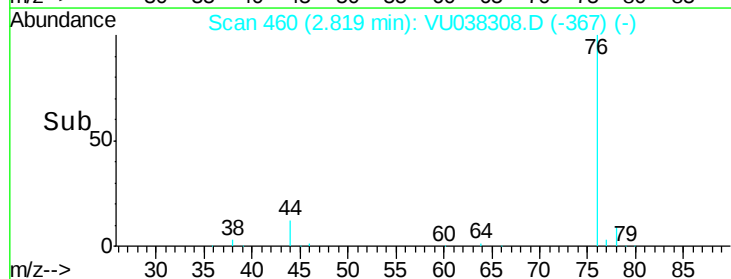
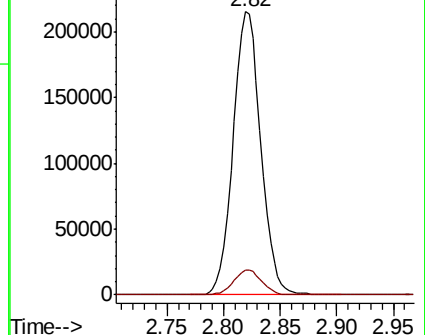
76 100

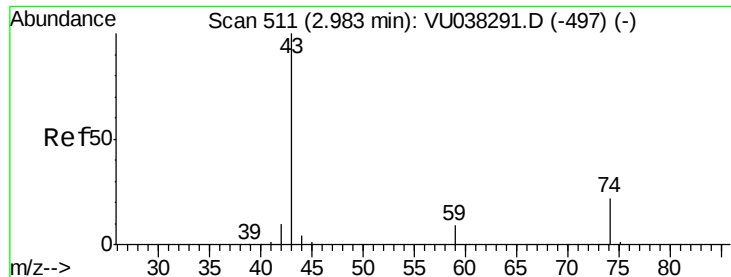
78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038308.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038308.D (-367) (-)





#15

Methvl Acetate

Concen: 4.426 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.01 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

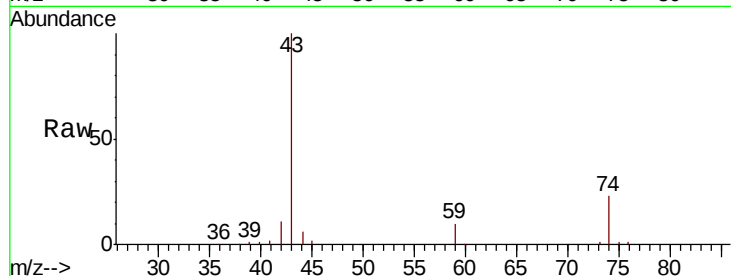
ClientSampleId :

Tot Ion: 43 Resp: 54698

Ion Ratio Lower Upper

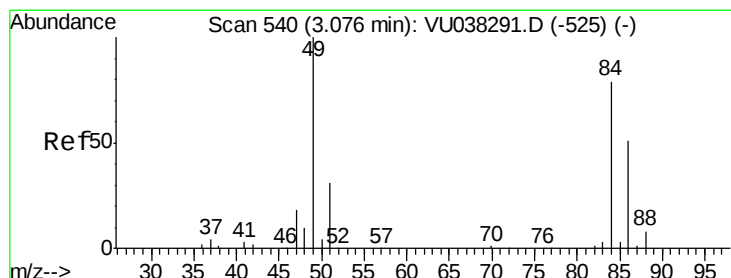
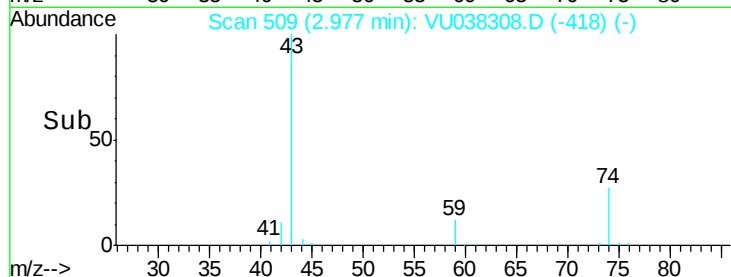
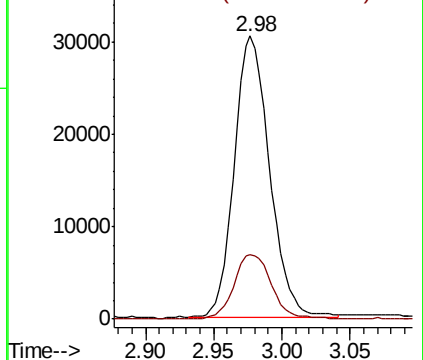
43 100

74 24.3 18.0 27.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.753 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

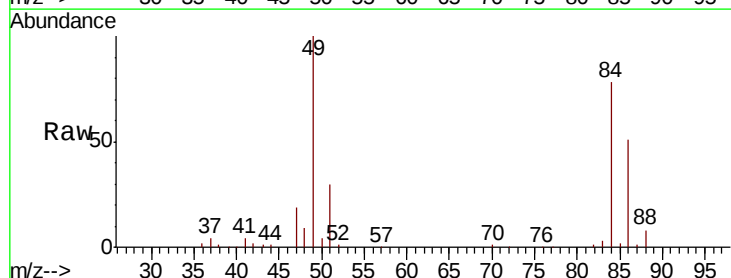
Tgt Ion: 84 Resp: 119951

Ion Ratio Lower Upper

84 100

86 65.3 44.9 83.3

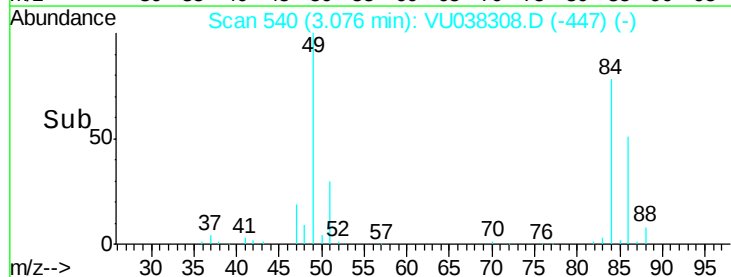
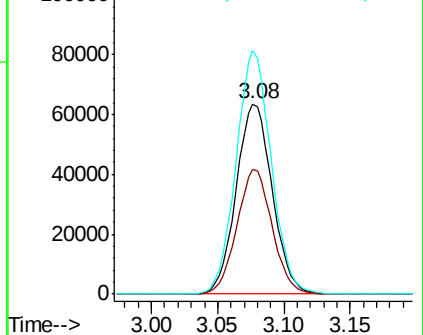
49 128.2 92.0 170.9

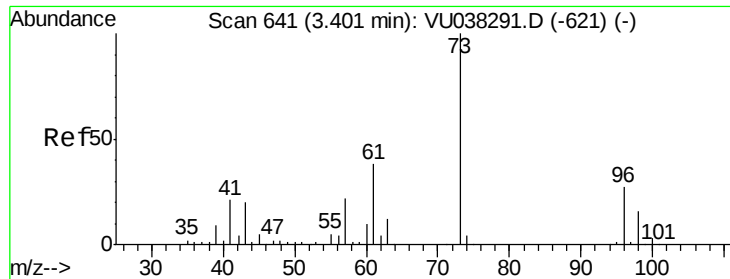


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

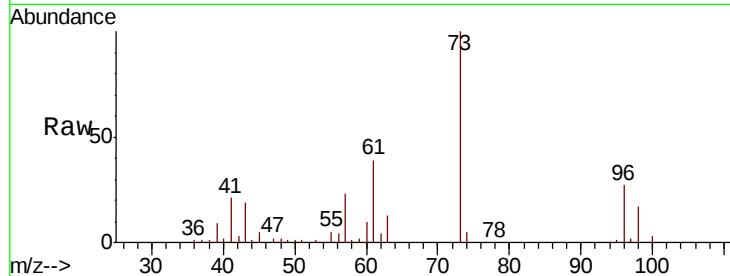




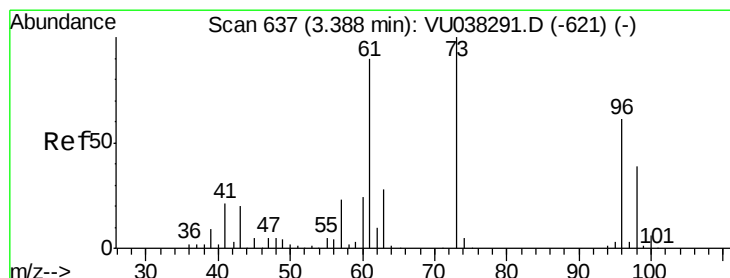
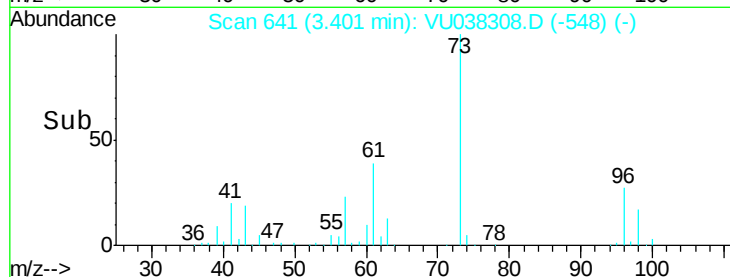
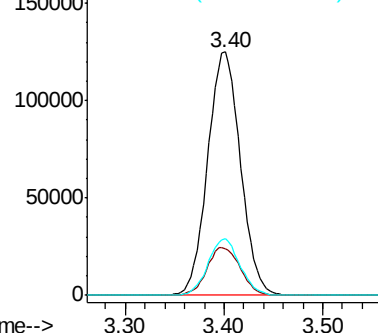
#17
Methvl tert-butvl Ether
Concen: 4.789 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 288121
Ion Ratio Lower Upper
73 100
43 20.2 16.9 25.3
57 22.7 18.2 27.2

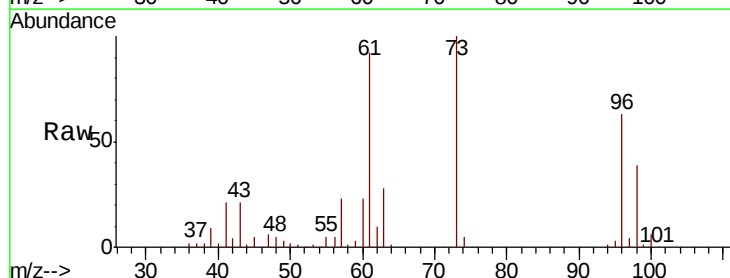


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

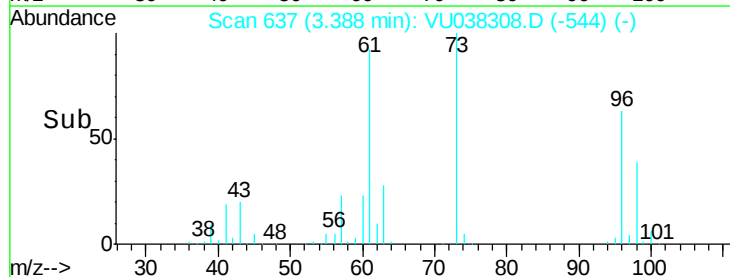
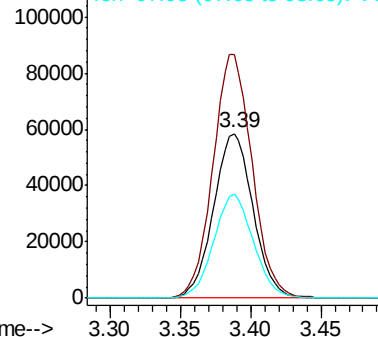


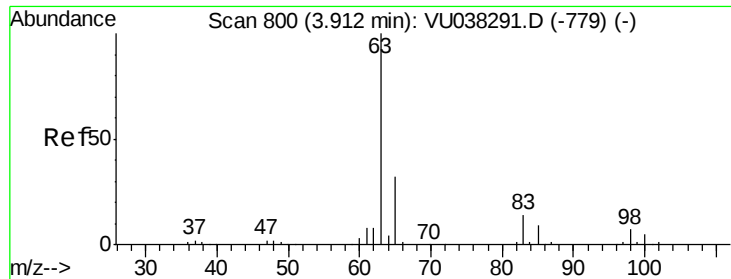
#18
trans-1,2-Dichloroethene
Concen: 4.849 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Tgt Ion: 96 Resp: 114619
Ion Ratio Lower Upper
96 100
61 147.6 102.1 189.5
98 63.2 45.6 84.8



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

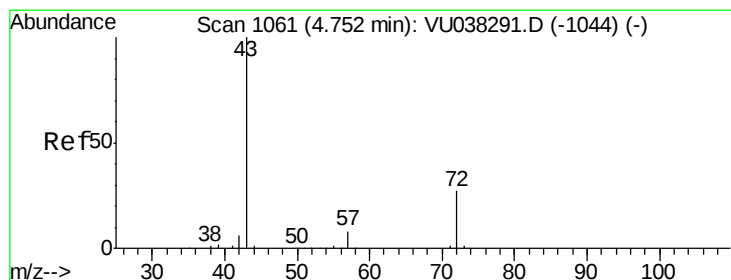
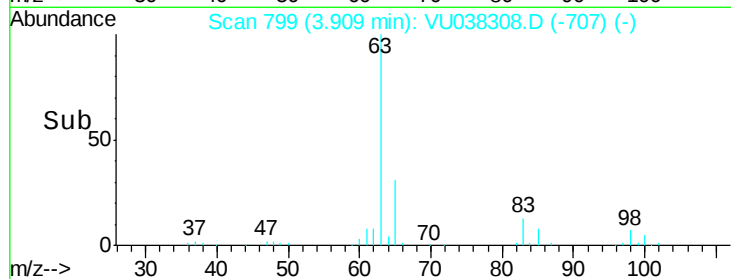
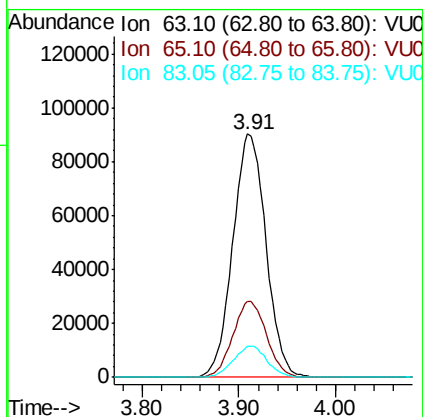
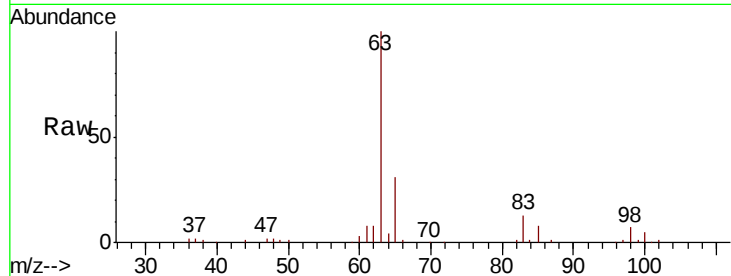




#19
 1,1-Dichloroethane
 Concen: 4.661 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

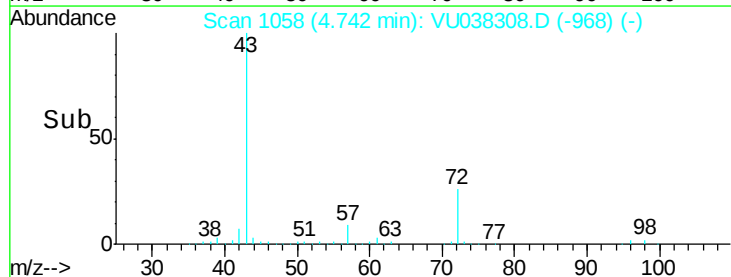
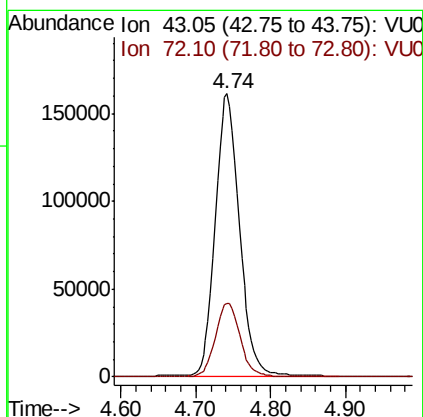
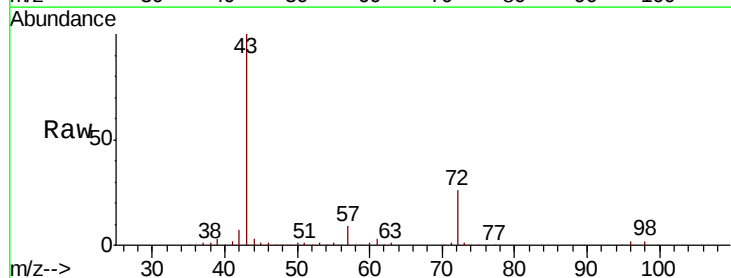
Instrument :
 MSVOA_U
 ClientSampleId :

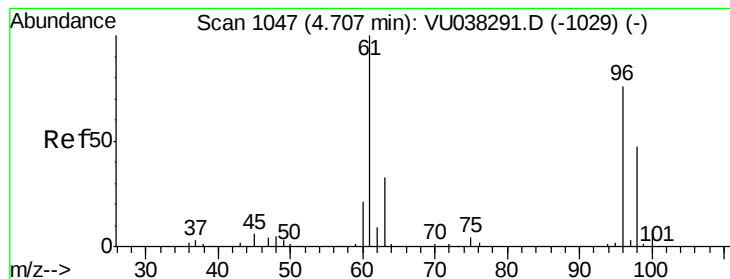
Tot Ion: 63 Resp: 215198
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 12.5 8.9 16.5



#21
 2-Butanone
 Concen: 46.176 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion: 43 Resp: 360043
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 4.929 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampleId :

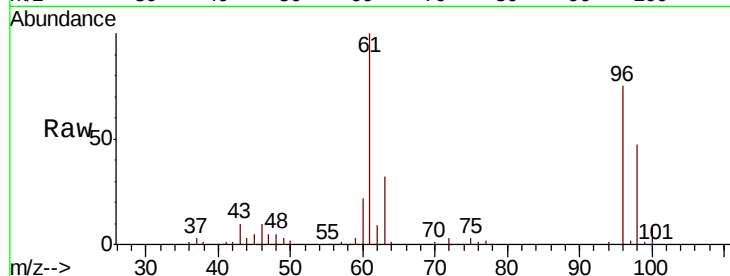
Tot Ion: 96 Resp: 125551

Ion Ratio Lower Upper

96 100

61 133.2 95.3 176.9

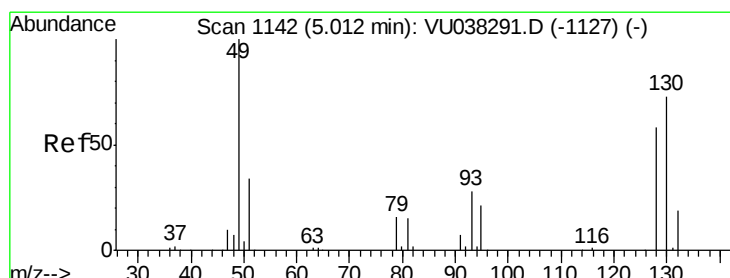
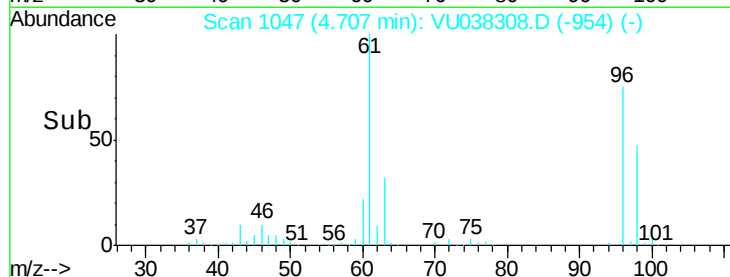
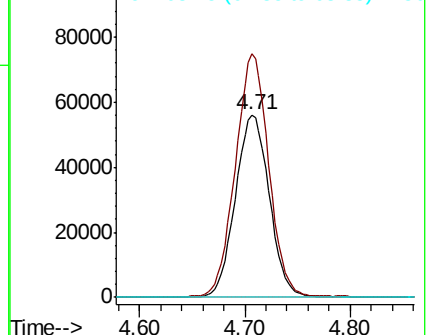
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038308.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038308.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038308.D (-954) (-)



#23

Bromochloromethane

Concen: 4.951 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Tgt Ion: 128 Resp: 54273

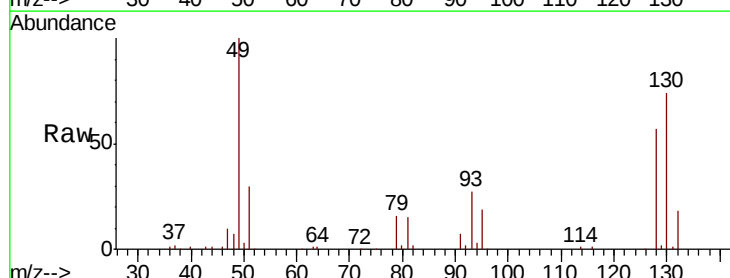
Ion Ratio Lower Upper

128 100

49 176.7 135.6 251.8

130 130.1 91.4 169.8

51 53.7 49.6 74.4

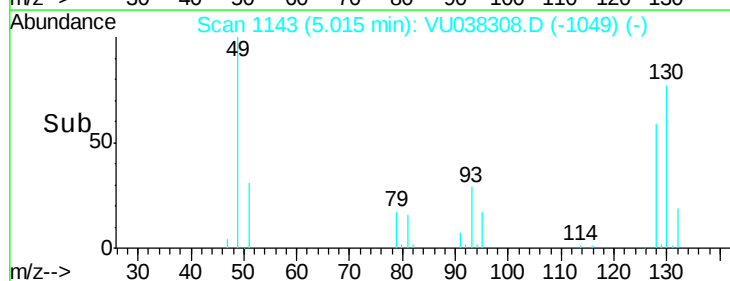
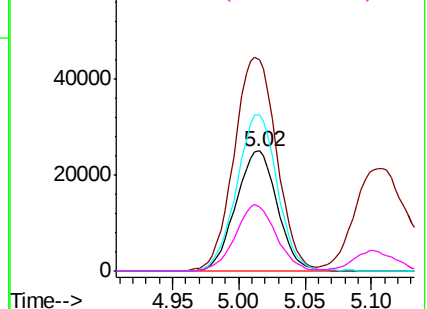


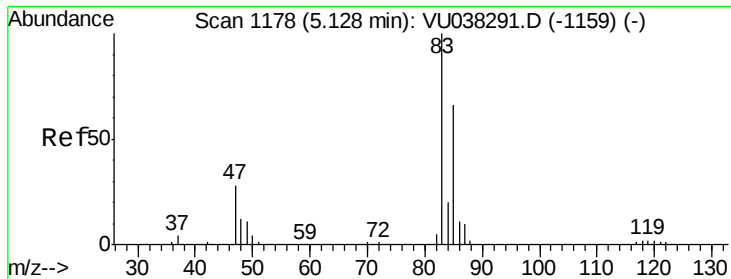
Abundance Ion 127.90 (127.60 to 128.60): VU038308.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU038308.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU038308.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU038308.D (-1049) (-)

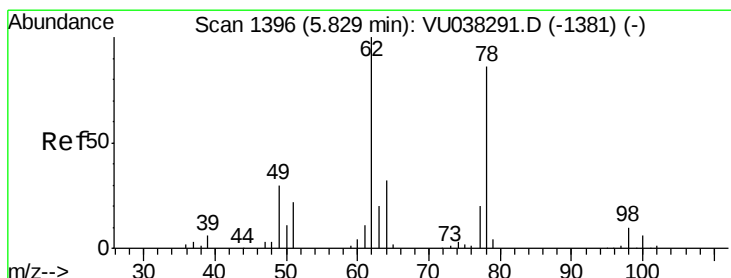
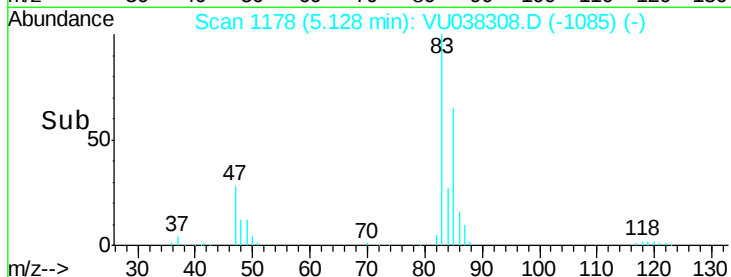
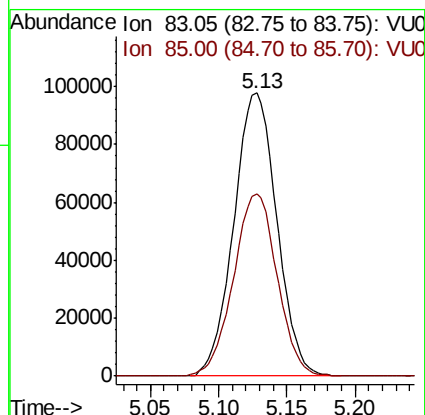
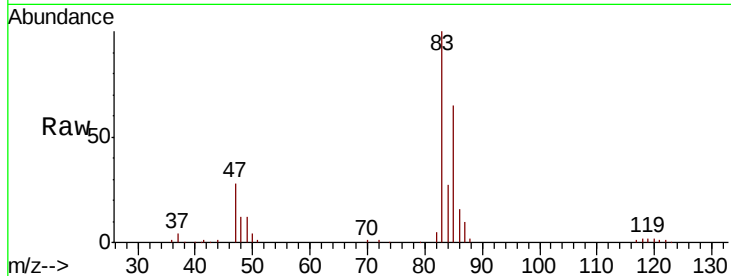




#25
Chloroform
Concen: 4.979 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

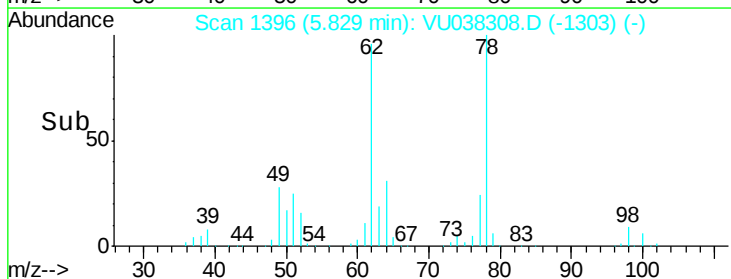
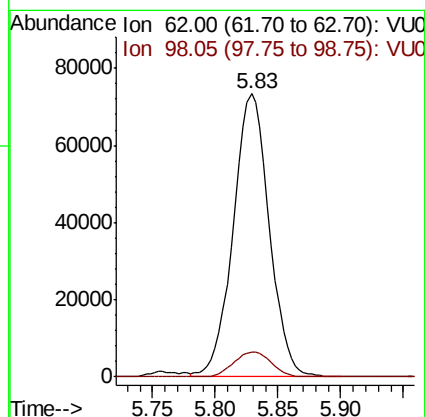
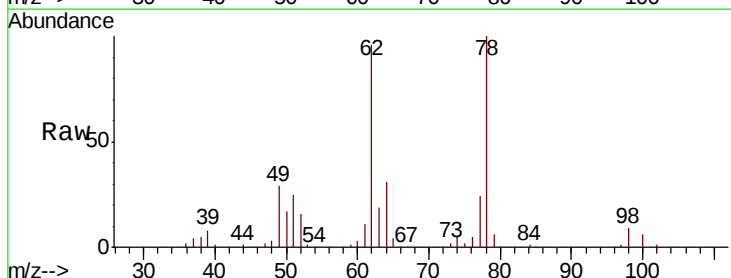
Instrument :
MSVOA_U
ClientSampled :

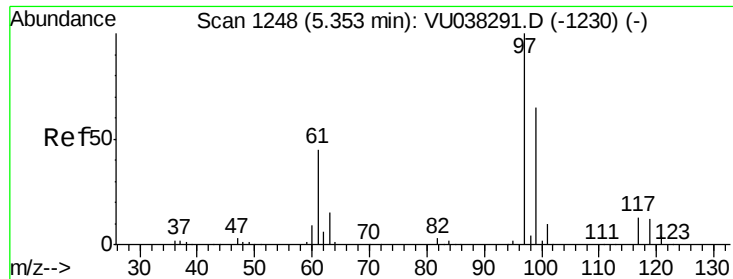
Tot Ion: 83 Resp: 214408
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.797 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Tgt Ion: 62 Resp: 145824
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8

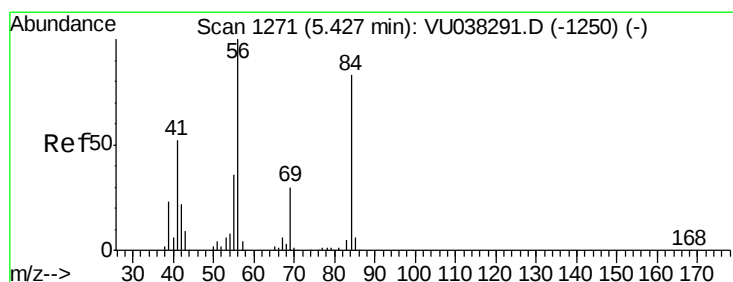
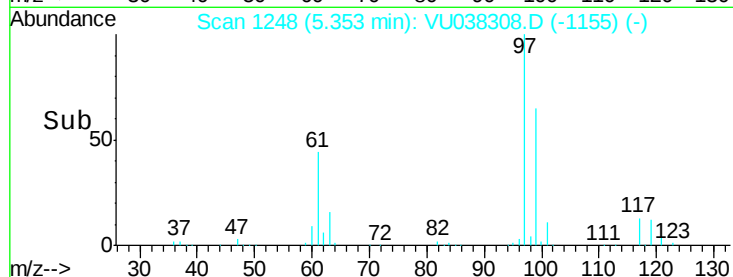
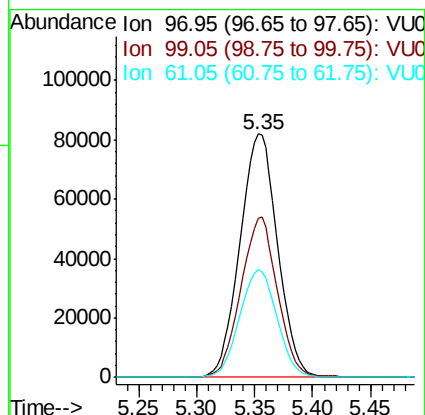
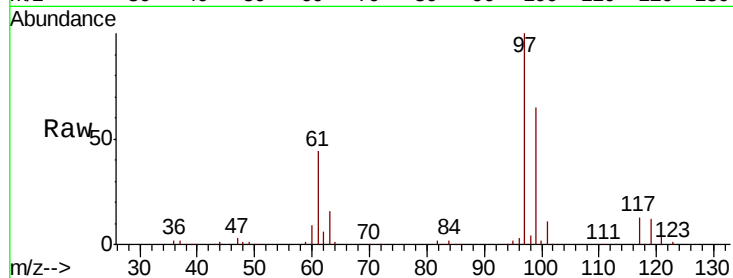




#29
1,1,1-Trichloroethane
Concen: 5.289 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

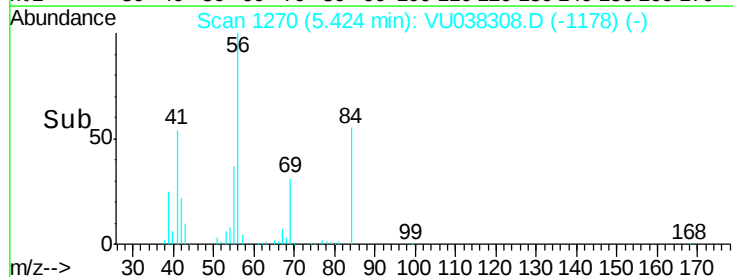
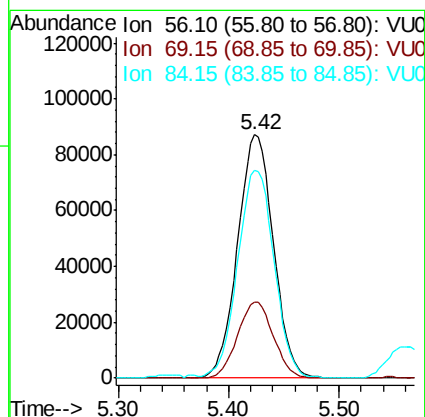
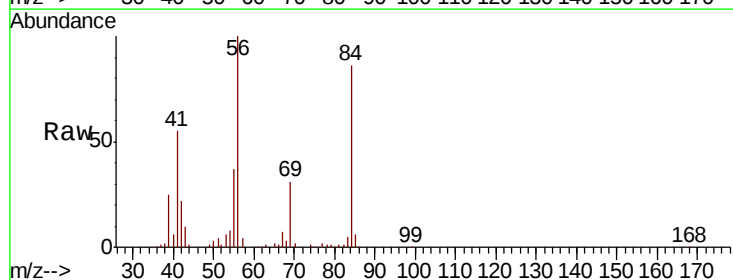
Instrument :
MSVOA_U
ClientSampled :

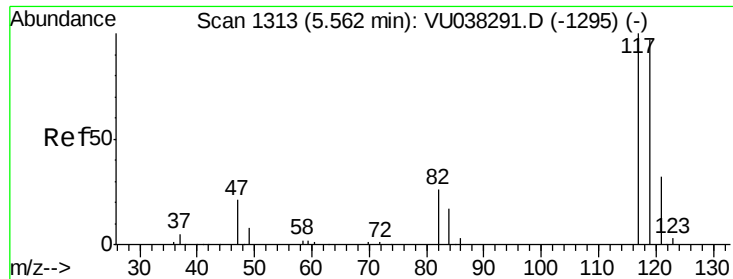
Tot Ion: 97 Resp: 184968
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.4
61 44.1 38.2 57.4



#30
Cyclohexane
Concen: 4.749 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Tgt Ion: 56 Resp: 196096
Ion Ratio Lower Upper
56 100
69 31.3 24.2 36.4
84 86.4 68.5 102.7





#31

Carbon tetrachloride

Concen: 5.475 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

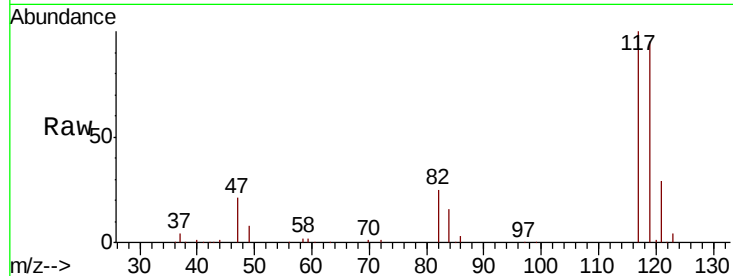
ClientSampleId :

Tot Ion:117 Resp: 153892

Ion Ratio Lower Upper

117 100

119 96.8 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

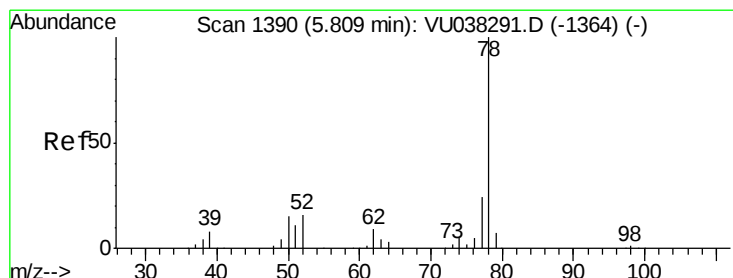
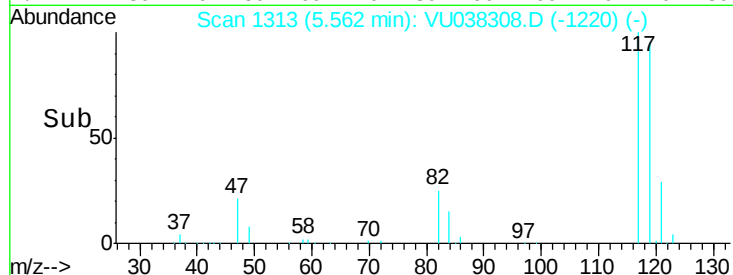
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.949 ug/L

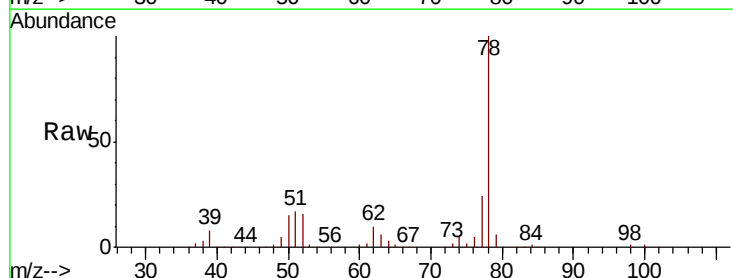
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Tgt Ion: 78 Resp: 483781



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

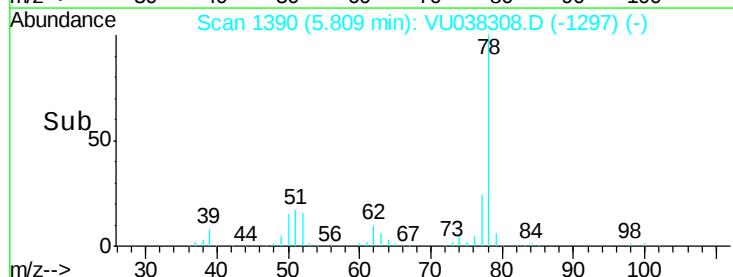
100000

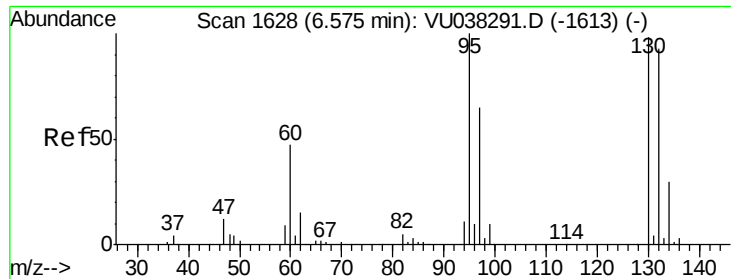
50000

0

Time-->

5.70 5.80 5.90

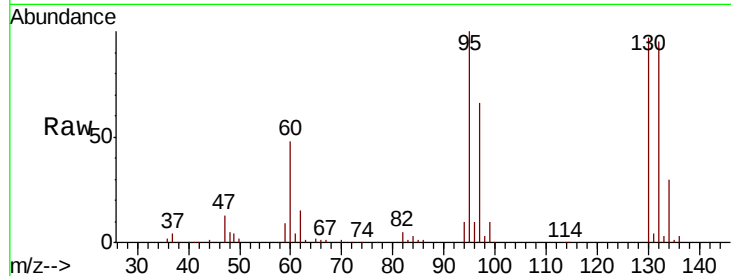




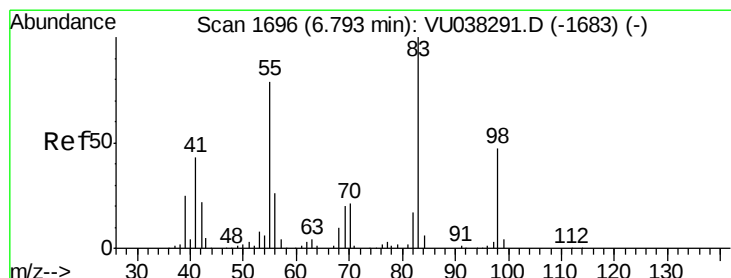
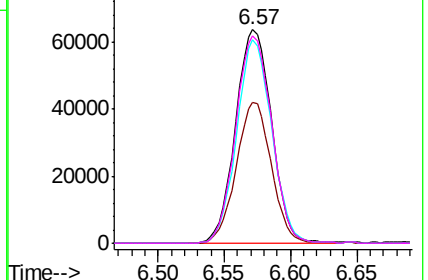
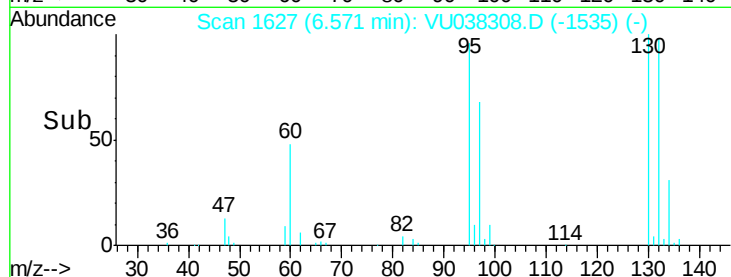
#34
 Trichloroethene
 Concen: 4.925 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 120390
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.9 83.3
 132 95.1 63.3 117.5
 130 97.0 65.7 122.1

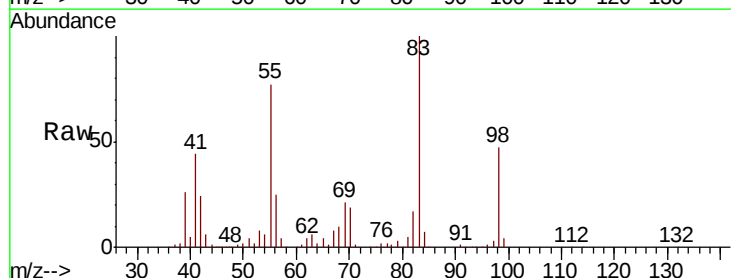


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

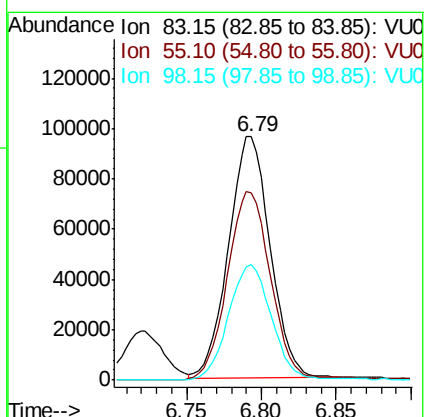
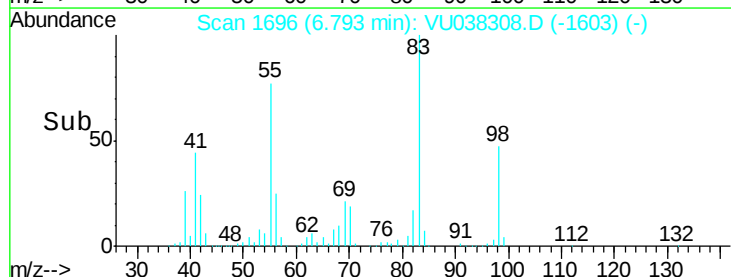


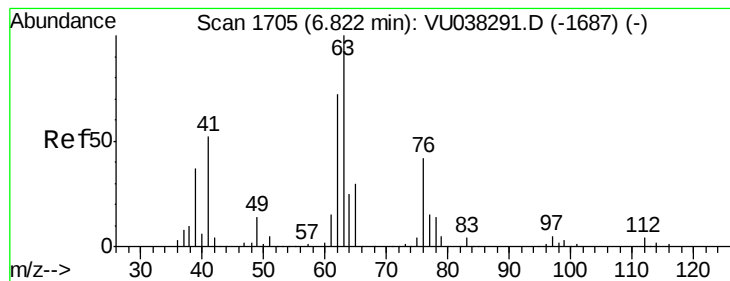
#35
 Methylcyclohexane
 Concen: 4.691 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion: 83 Resp: 185758
 Ion Ratio Lower Upper
 83 100
 55 81.3 66.7 100.1
 98 49.7 39.4 59.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.649 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

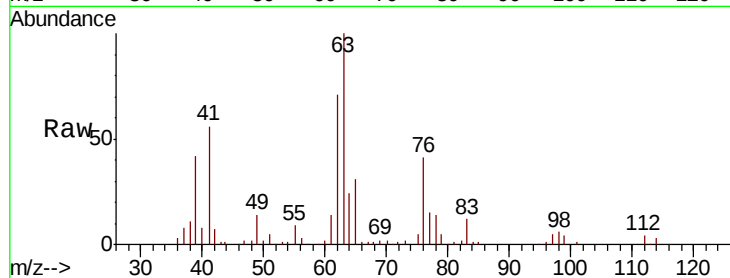
ClientSampleId :

Tot Ion: 63 Resp: 123432

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038291.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038291.D (-1687) (-)

6.82

60000

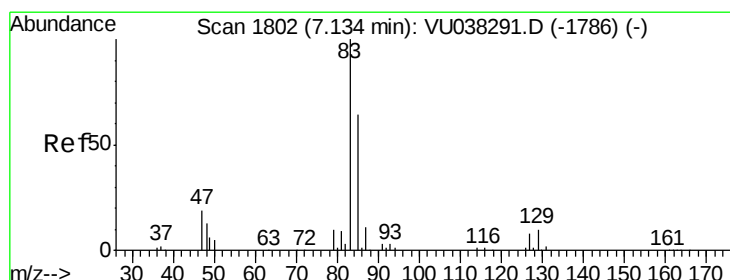
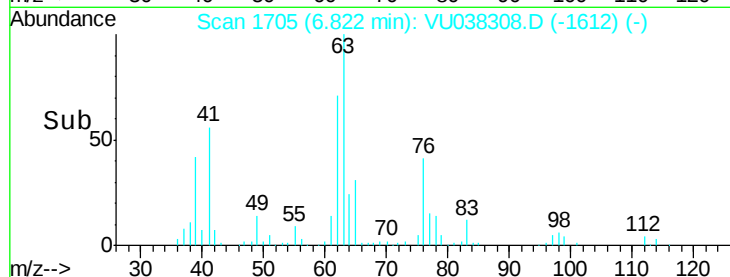
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.013 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

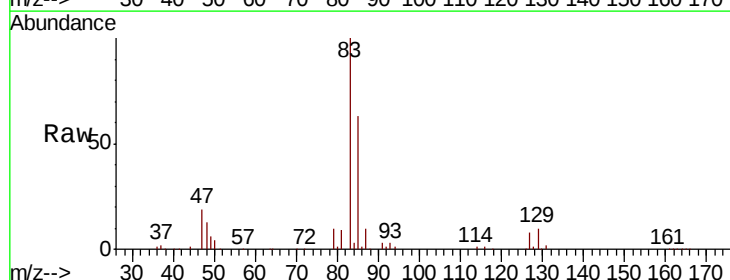
Tgt Ion: 83 Resp: 153869

Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

127 7.8 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038291.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038291.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038291.D (-1786) (-)

7.13

100000

80000

60000

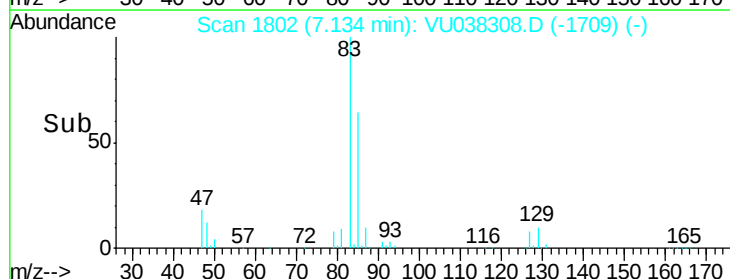
40000

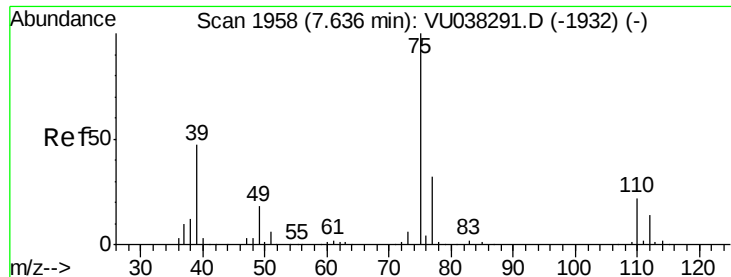
20000

0

7.05 7.10 7.15 7.20

Time-->

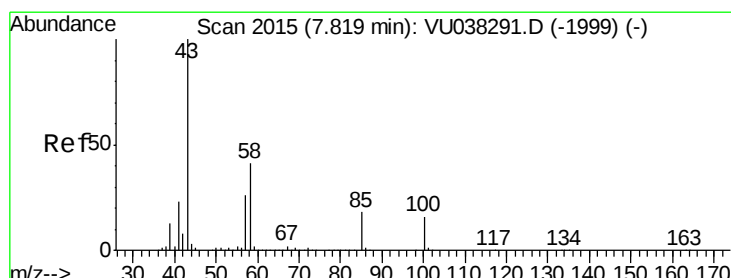
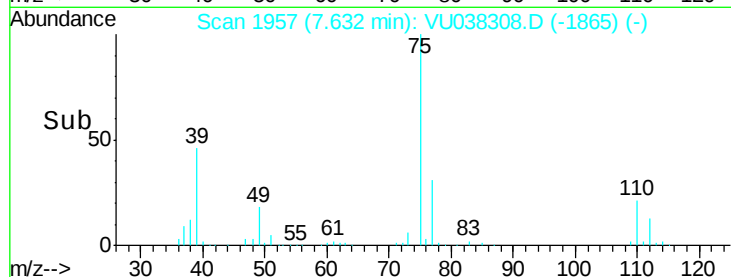
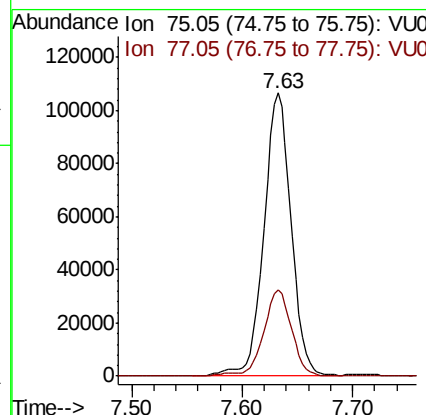
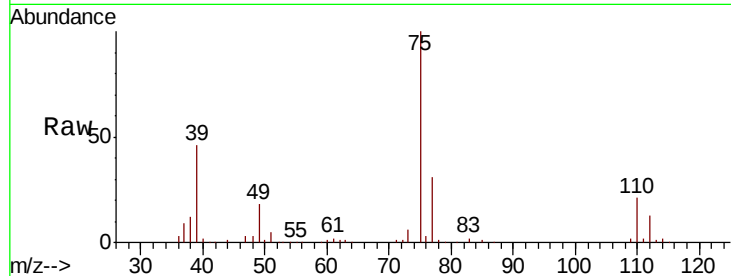




#39
 cis-1,3-Dichloropropene
 Concen: 4.831 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

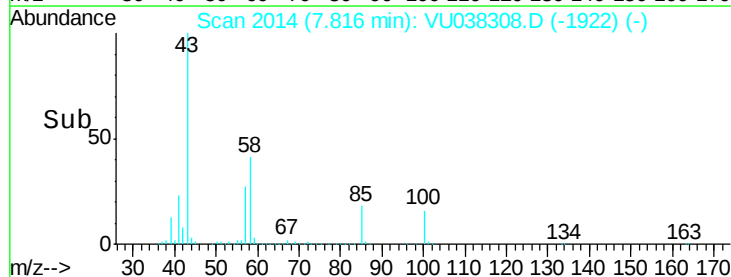
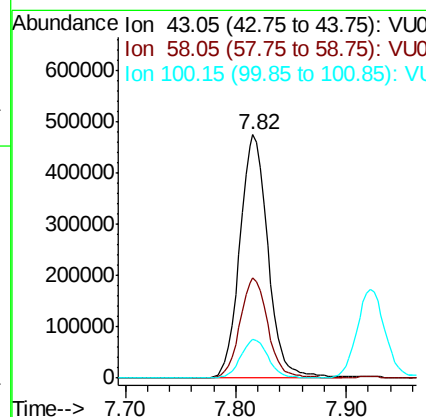
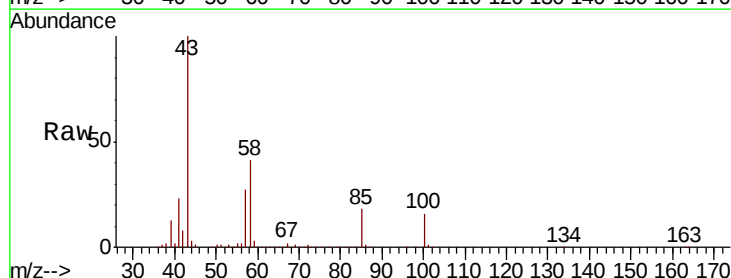
Instrument :
 MSVOA_U
 ClientSampleId :

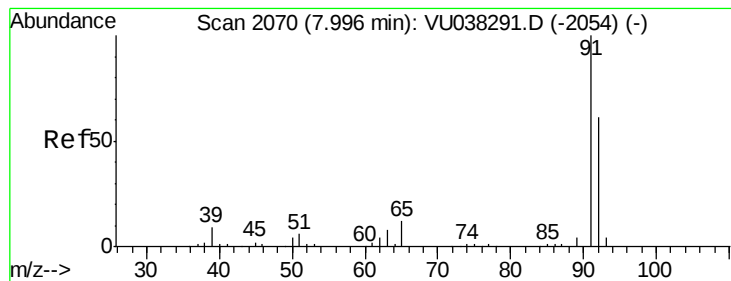
Tot Ion: 75 Resp: 183582
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 45.545 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion: 43 Resp: 838068
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 15.8 12.1 18.1





#42

Toluene

Concen: 4.977 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

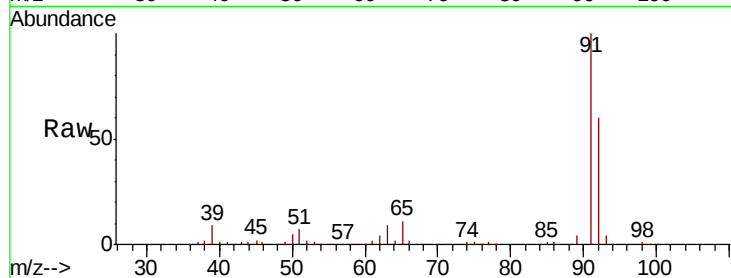
ClientSampleId :

Tot Ion: 91 Resp: 513534

Ion Ratio Lower Upper

91 100

92 60.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038291.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038291.D (-2054) (-)

7.99

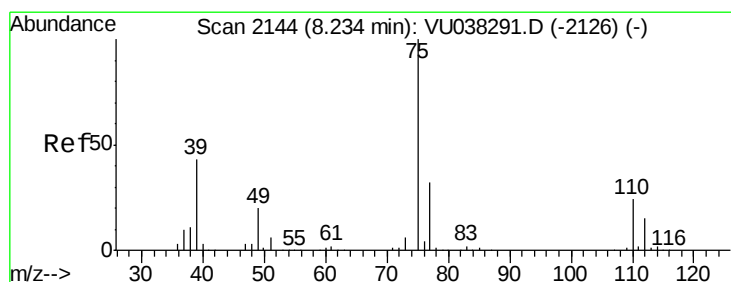
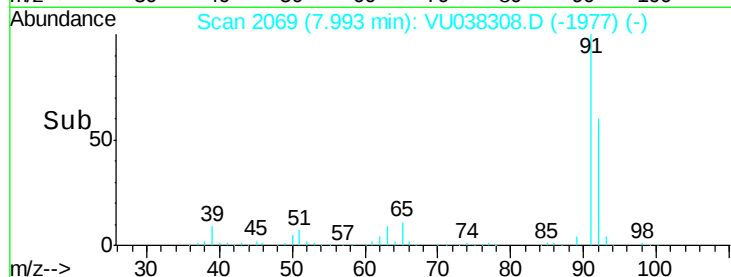
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.679 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038308.D

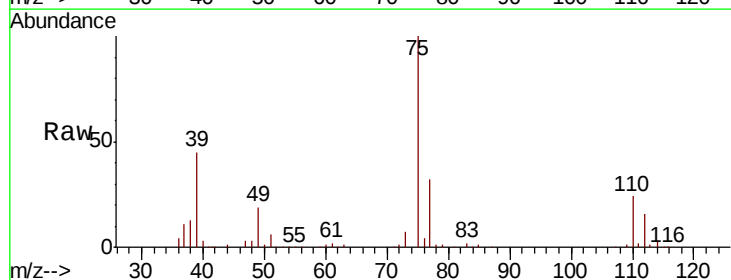
Acq: 26 May 2020 19:42

Tgt Ion: 75 Resp: 151177

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038291.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU038291.D (-2126) (-)

8.23

100000

80000

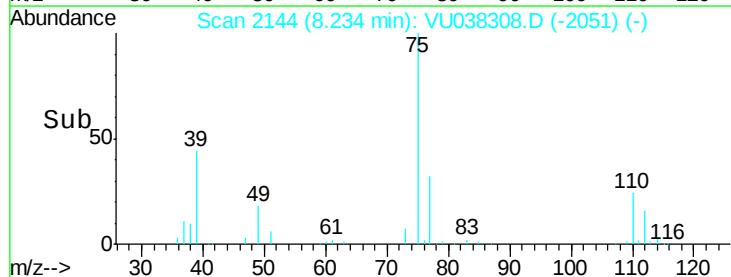
60000

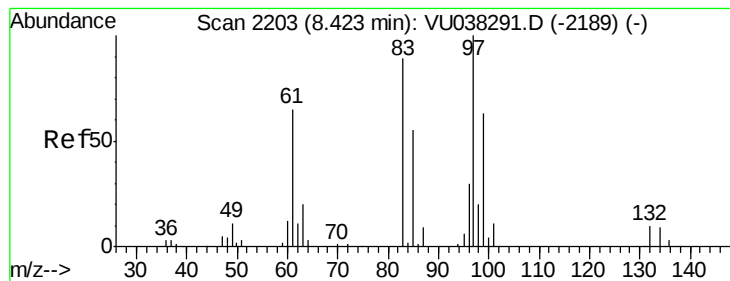
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.816 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 88787

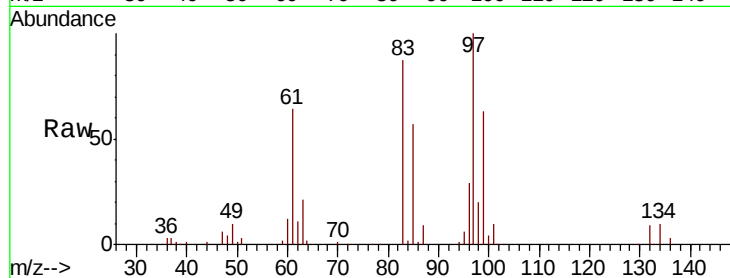
Ion Ratio Lower Upper

97 100

99 62.9 44.0 81.6

83 87.2 59.6 110.8

85 56.5 41.3 76.7

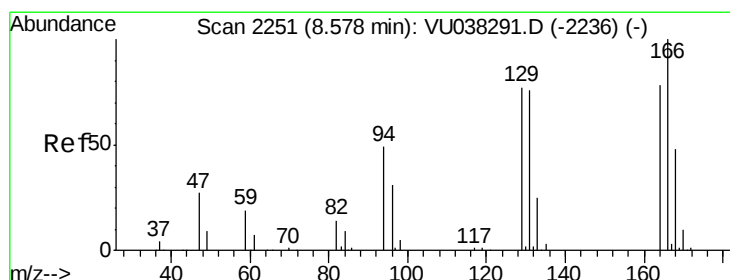
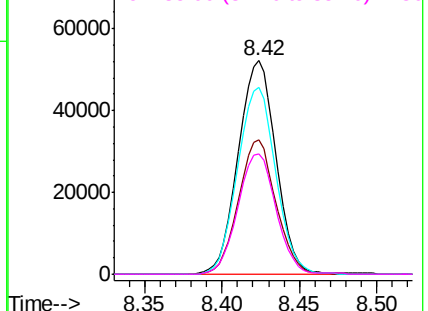
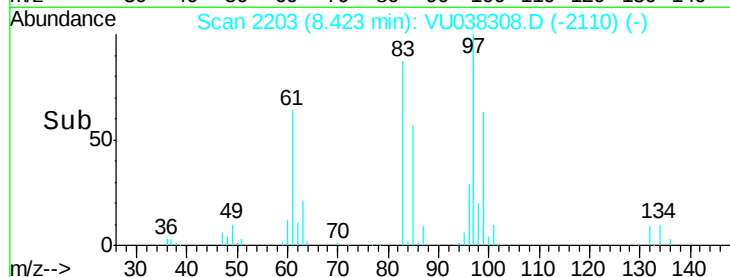


Abundance Ion 96.95 (96.65 to 97.65): VU038308.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038308.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038308.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038308.D (-2110) (-)



#47

Tetrachloroethene

Concen: 5.175 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Tgt Ion: 164 Resp: 88484

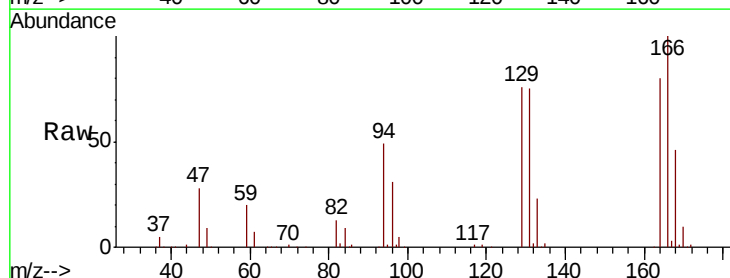
Ion Ratio Lower Upper

164 100

129 95.5 68.8 127.8

131 94.2 66.8 124.2

166 125.2 88.9 165.1

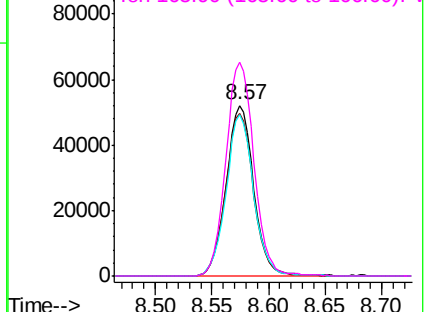
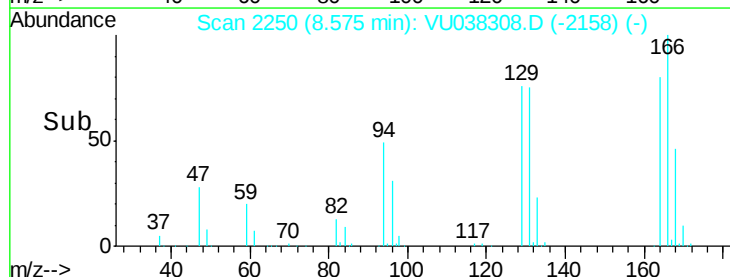


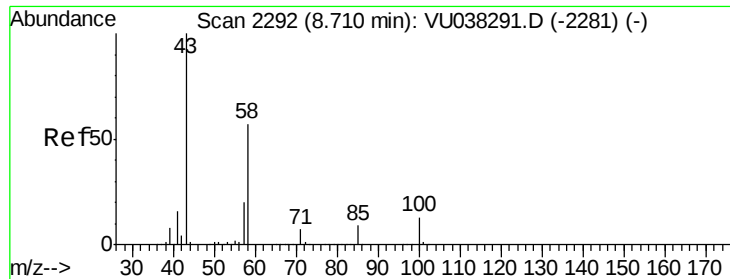
Abundance Ion 163.90 (163.60 to 164.60): VU038308.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU038308.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU038308.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU038308.D (-2158) (-)

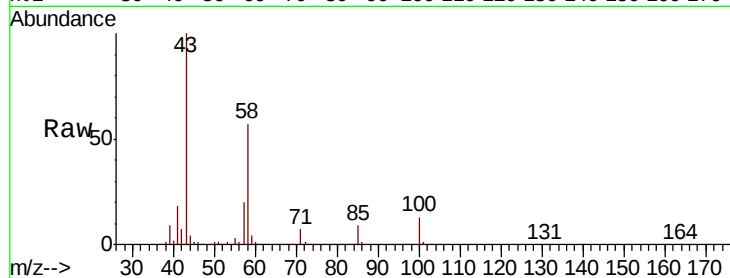




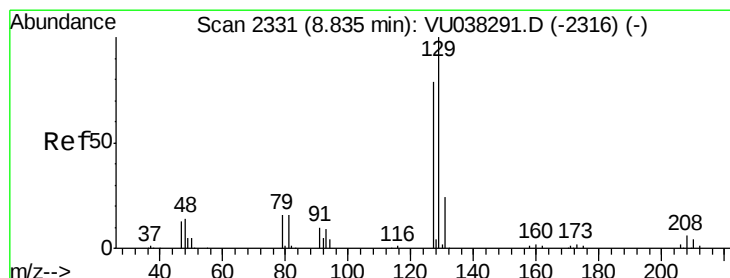
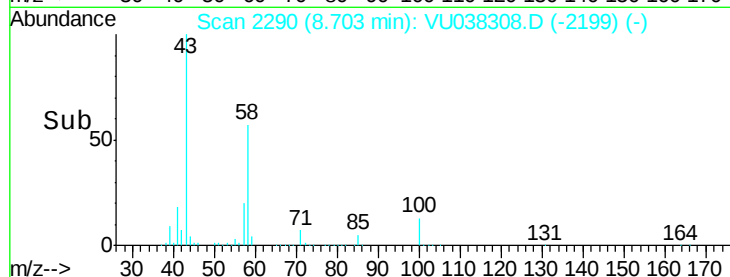
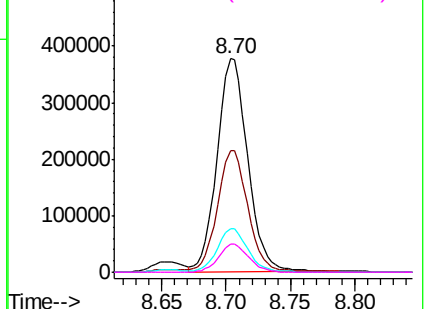
#48
2-Hexanone
Concen: 46.227 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.01 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 622948
Ion Ratio Lower Upper
43 100
58 57.6 45.2 67.8
57 20.3 15.5 23.3
100 13.0 9.5 14.3

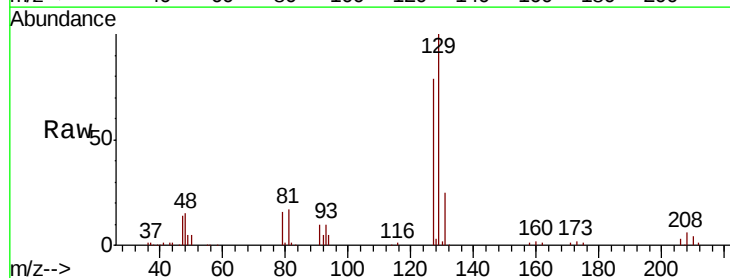


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

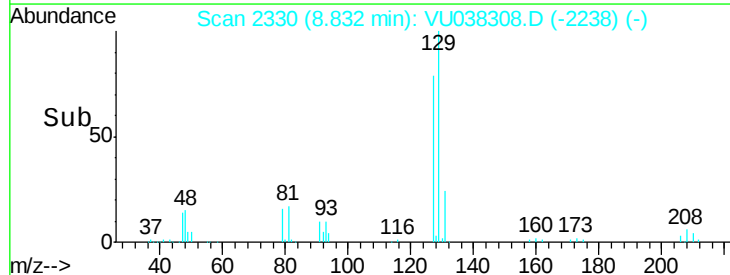
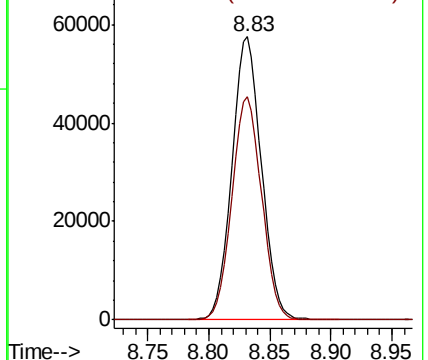


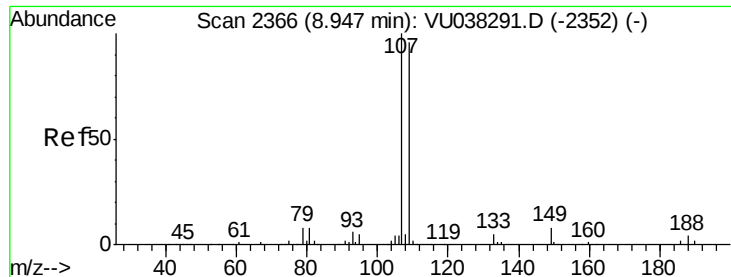
#49
Dibromochloromethane
Concen: 5.059 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Tgt Ion: 129 Resp: 96799
Ion Ratio Lower Upper
129 100
127 78.8 55.6 103.4



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

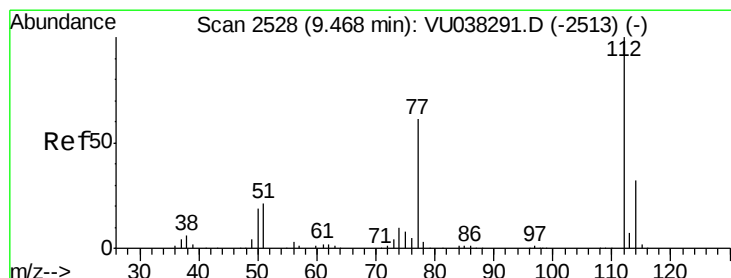
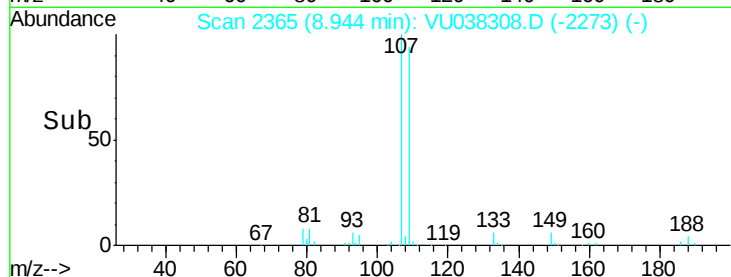
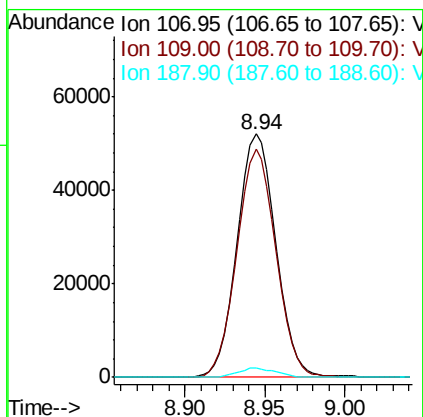
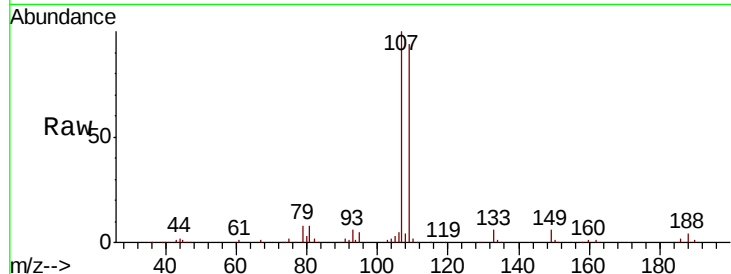




#50
 1,2-Dibromoethane
 Concen: 5.014 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

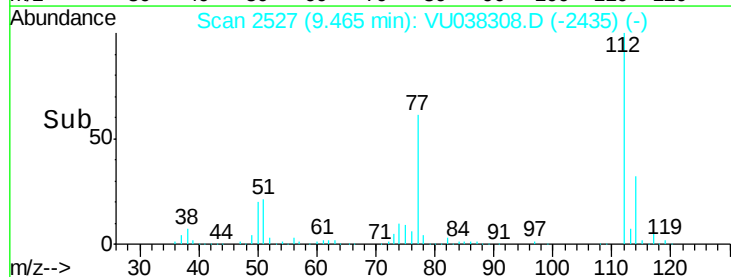
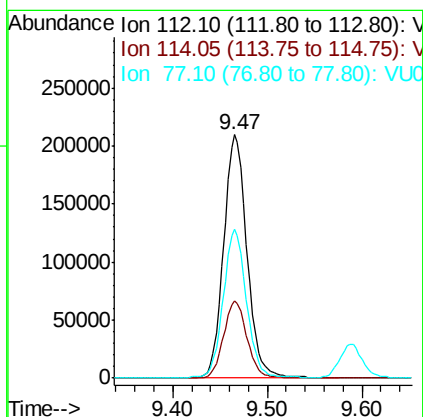
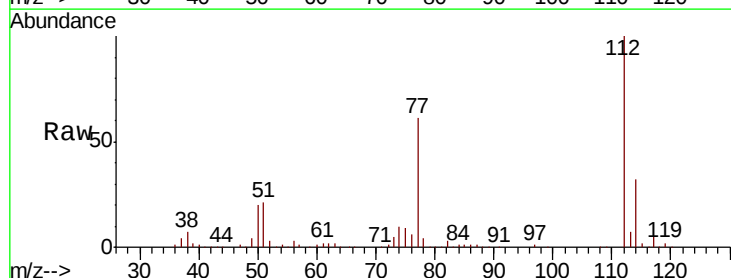
Instrument :
 MSVOA_U
 ClientSampleId :

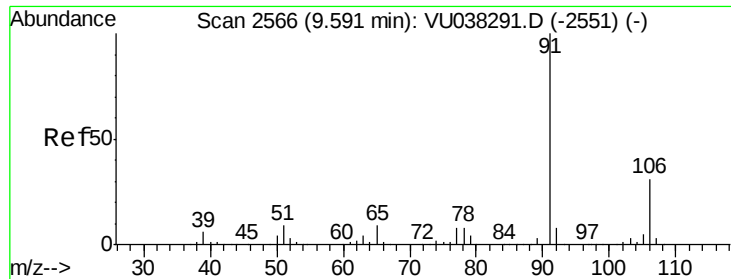
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	65.1	120.9
188	3.8	2.6	4.0



#51
 Chlorobenzene
 Concen: 5.611 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	61.0	49.9	74.9





#52

Ethylbenzene

Concen: 5.099 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

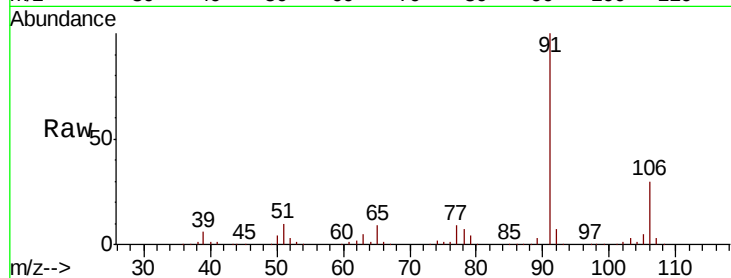
ClientSampleId :

Tot Ion: 91 Resp: 569883

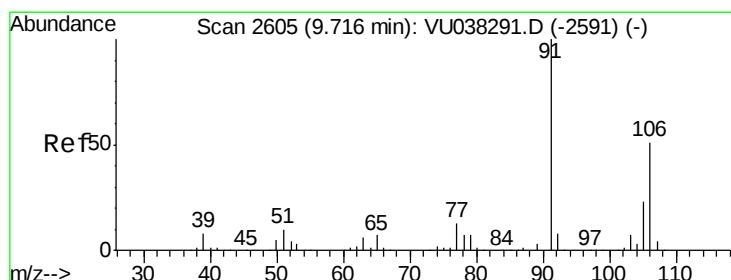
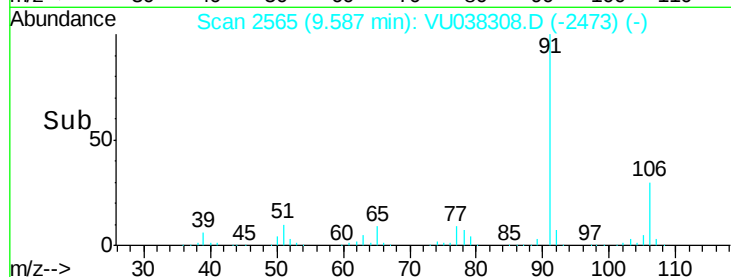
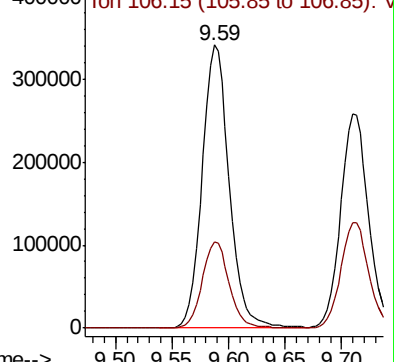
Ion Ratio Lower Upper

91 100

106 30.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038291.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.161 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038308.D

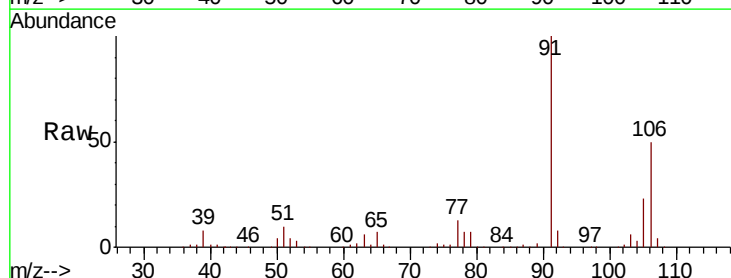
Acq: 26 May 2020 19:42

Tgt Ion: 106 Resp: 221174

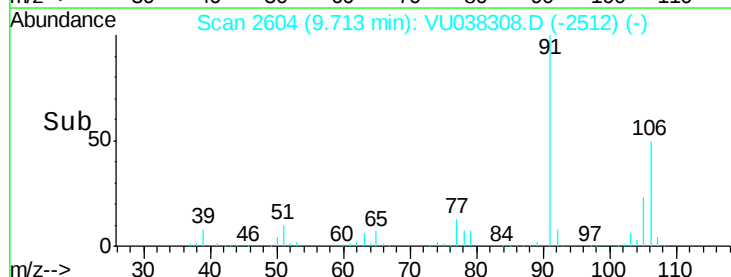
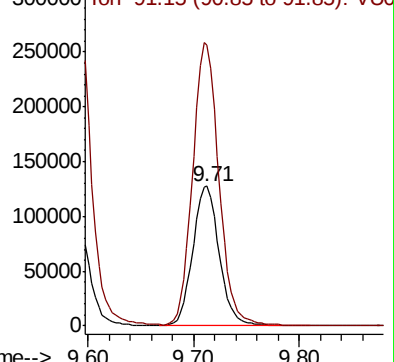
Ion Ratio Lower Upper

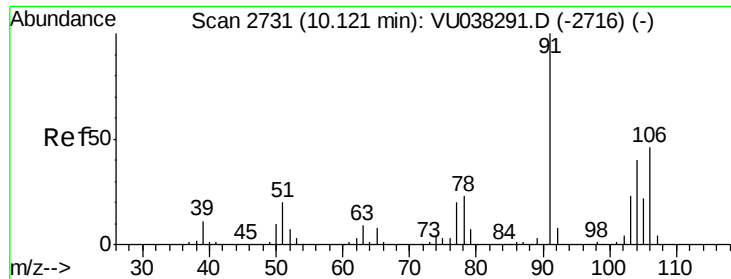
106 100

91 201.7 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038291.D (-2591) (-)

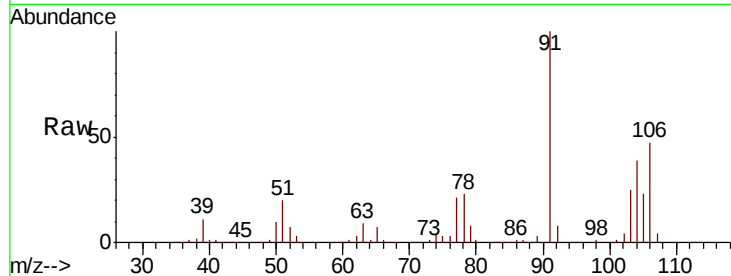




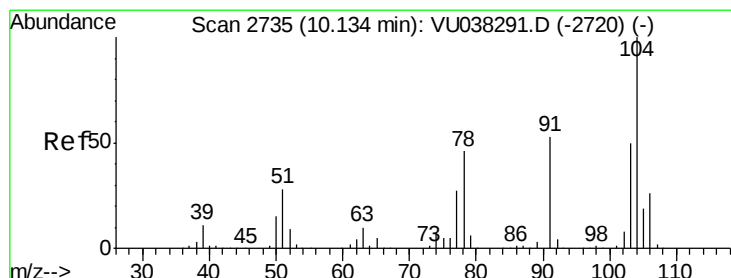
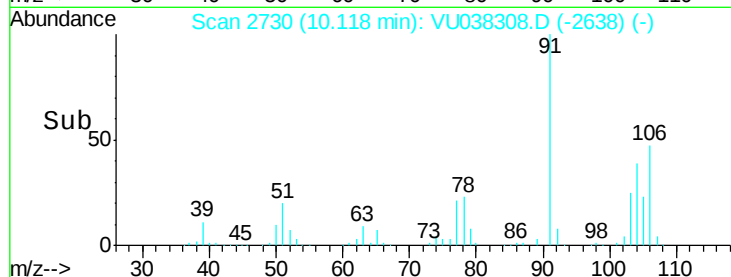
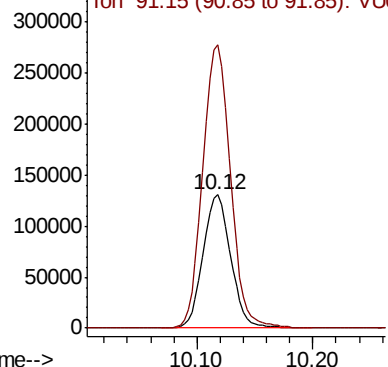
#54
o-Xylene
Concen: 5.174 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 214391
Ion Ratio Lower Upper
106 100
91 211.9 148.5 275.9

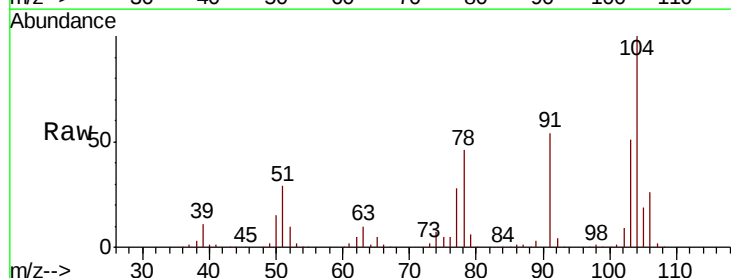


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

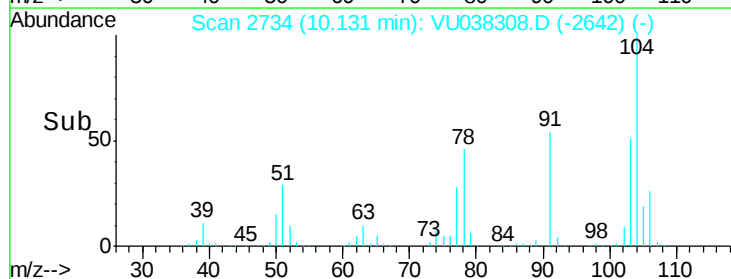
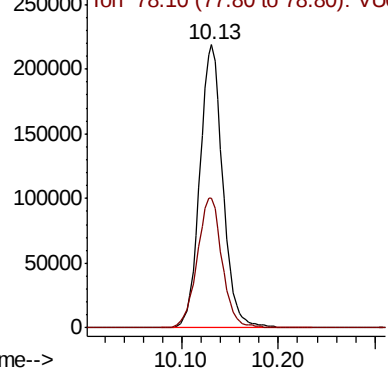


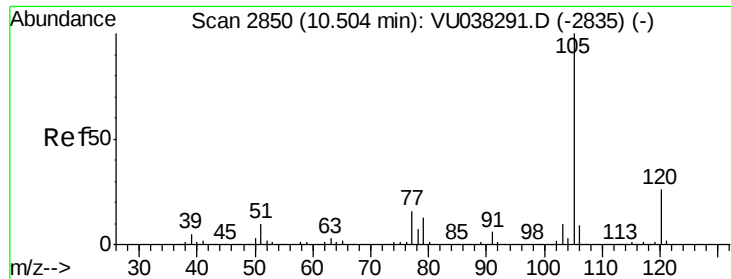
#55
Styrene
Concen: 5.182 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038308.D
Acq: 26 May 2020 19:42

Tgt Ion:104 Resp: 360500
Ion Ratio Lower Upper
104 100
78 46.0 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.246 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampled :

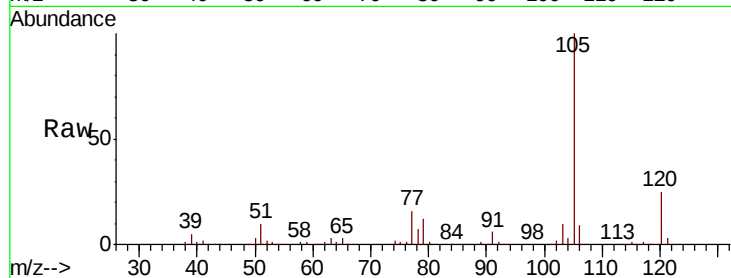
Tot Ion:105 Resp: 558396

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

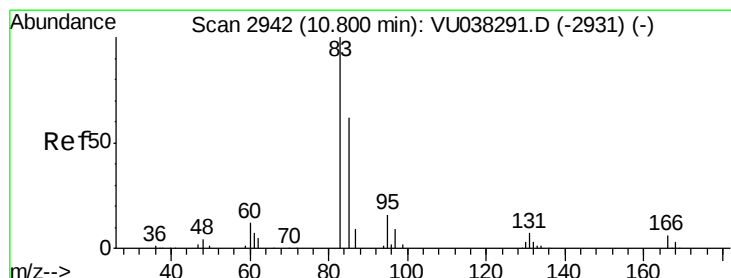
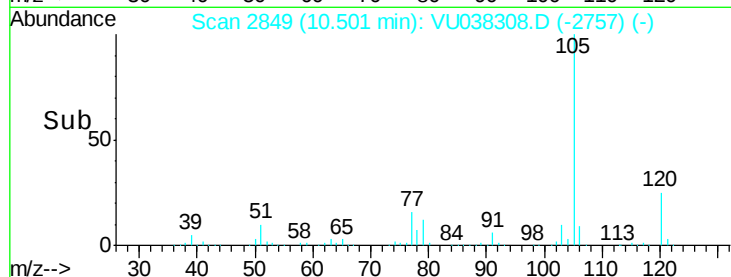
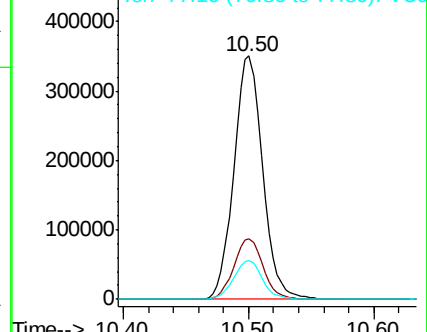
77 16.1 13.0 19.4



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: 4.853 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

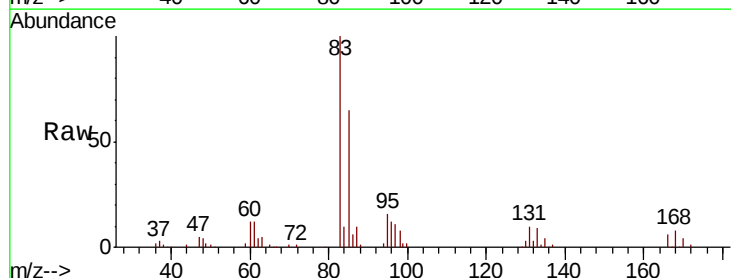
Tgt Ion: 83 Resp: 113602

Ion Ratio Lower Upper

83 100

85 65.0 47.0 87.2

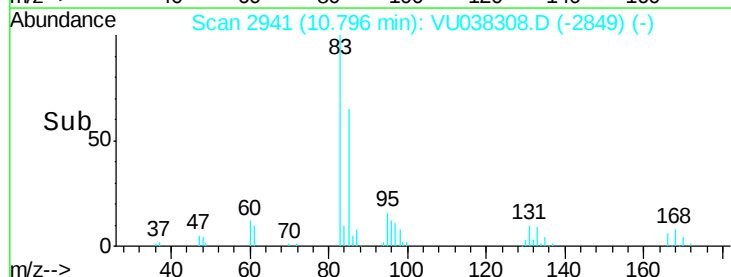
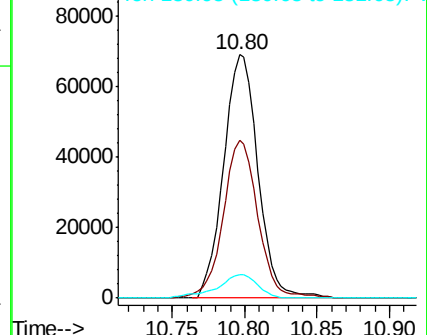
131 9.7 7.7 11.5

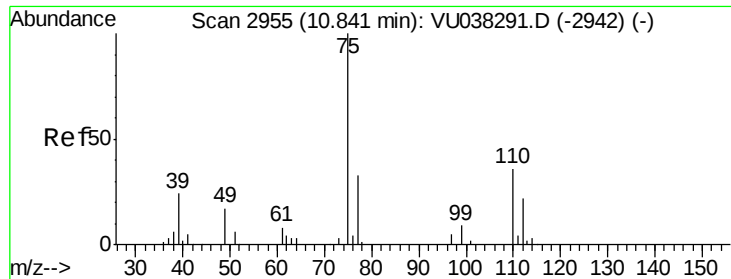


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

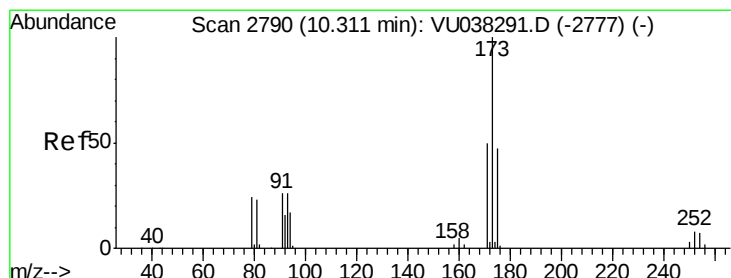
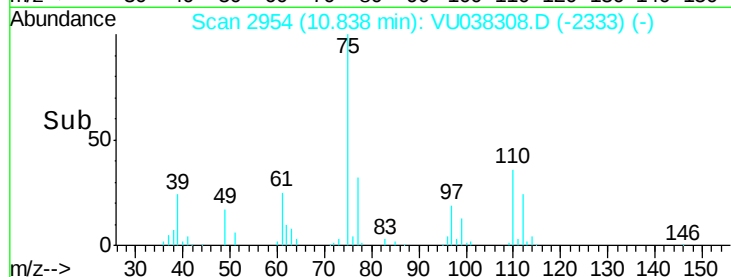
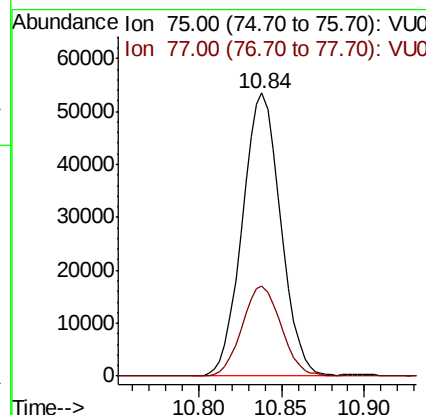
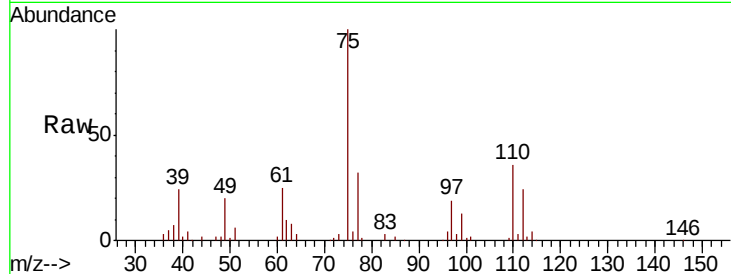




#59
 1,2,3-Trichloropropane
 Concen: 4.828 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

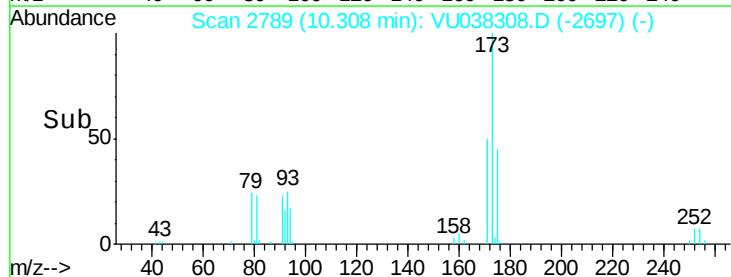
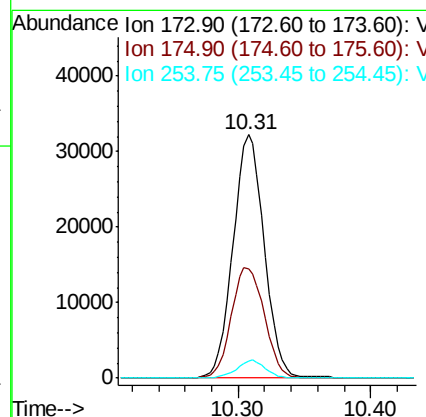
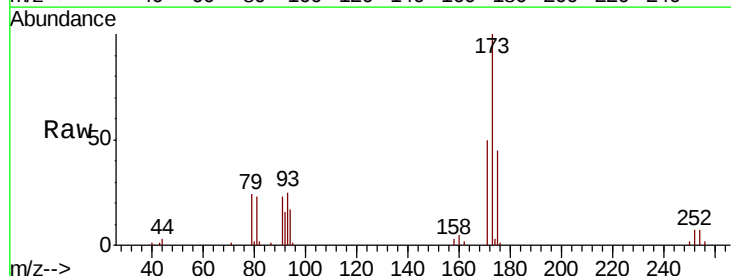
Instrument :
 MSVOA_U
 ClientSampleId :

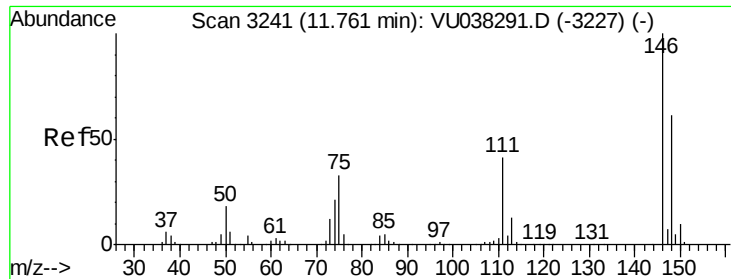
Tot Ion: 75 Resp: 86035
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0



#61
 Bromoform
 Concen: 4.937 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion: 173 Resp: 52548
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.5 59.3
 254 6.7 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 4.878 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampleId :

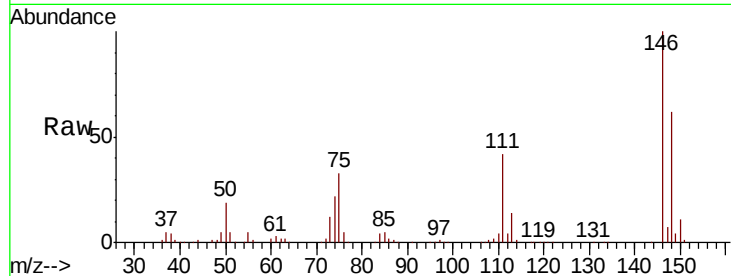
Tot Ion:146 Resp: 249949

Ion Ratio Lower Upper

146 100

111 41.8 28.6 53.2

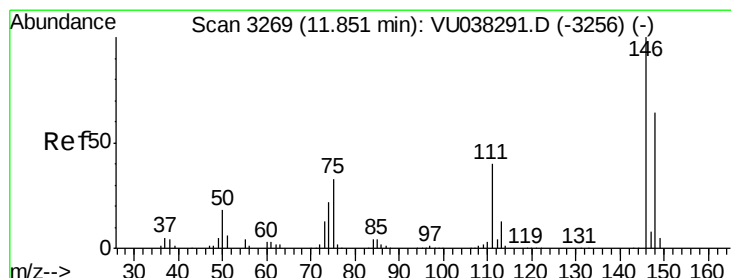
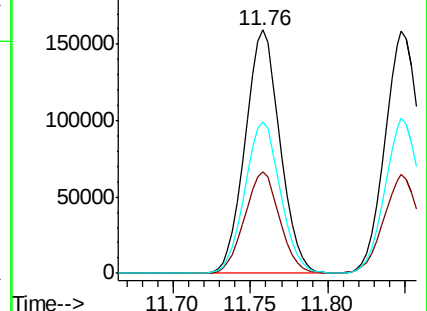
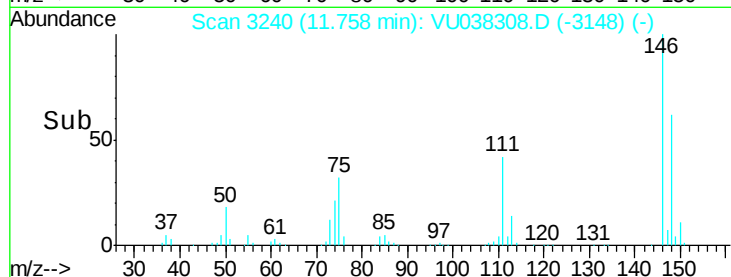
148 62.4 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.848 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

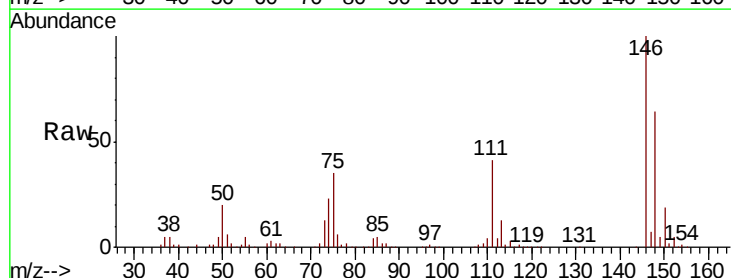
Tgt Ion:146 Resp: 251677

Ion Ratio Lower Upper

146 100

111 40.7 27.2 50.6

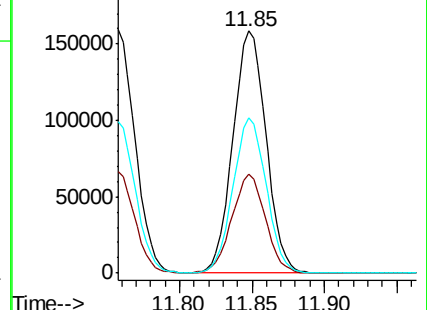
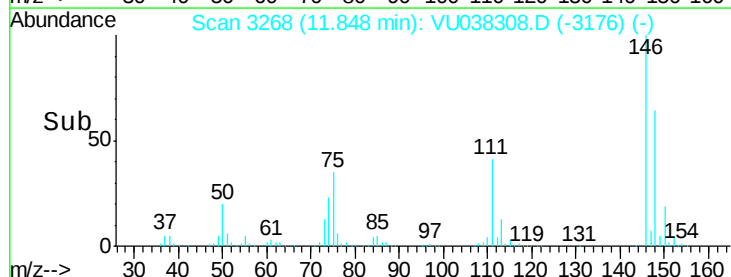
148 63.9 43.8 81.3

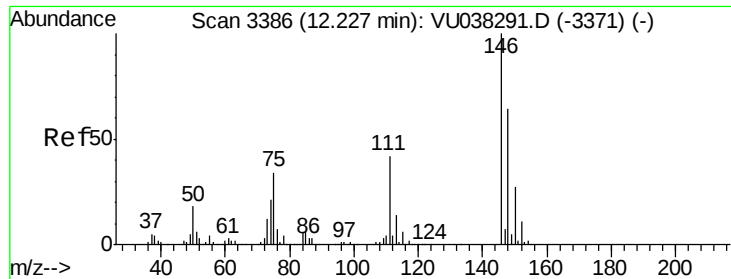


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.922 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampleId :

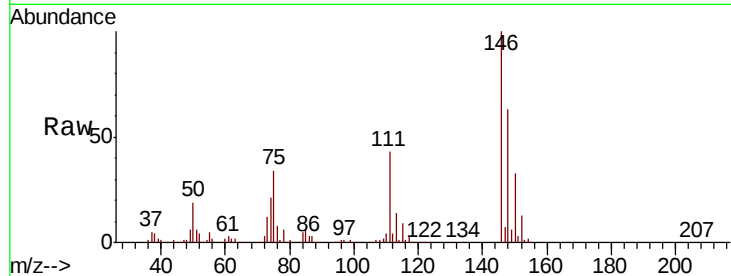
Tot Ion:146 Resp: 242640

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

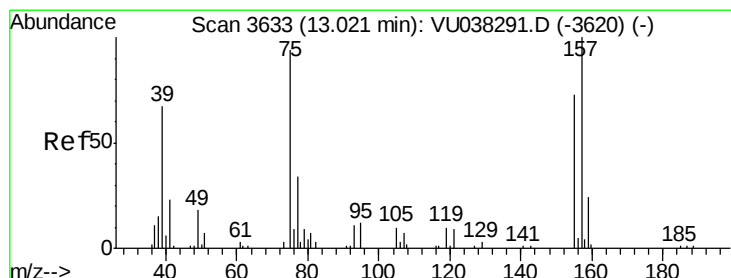
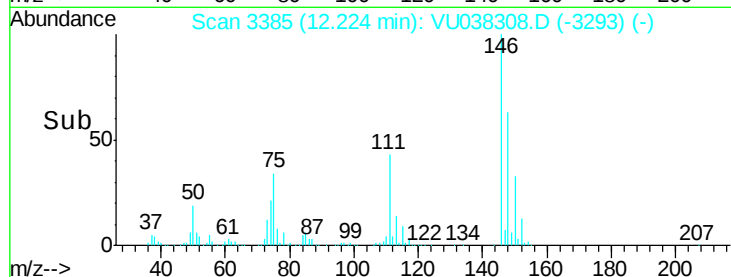
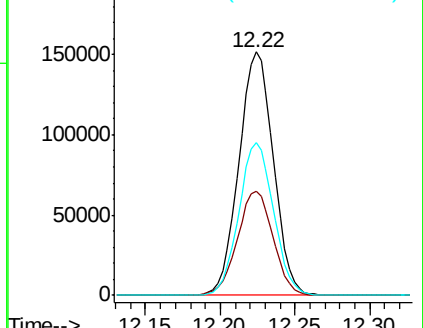
148 62.7 51.0 76.4



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: 4.349 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

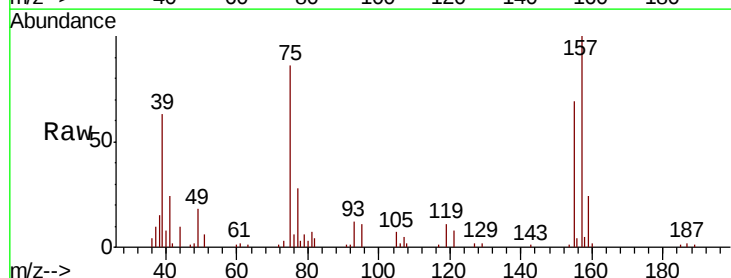
Tgt Ion: 75 Resp: 17522

Ion Ratio Lower Upper

75 100

155 79.7 58.2 87.2

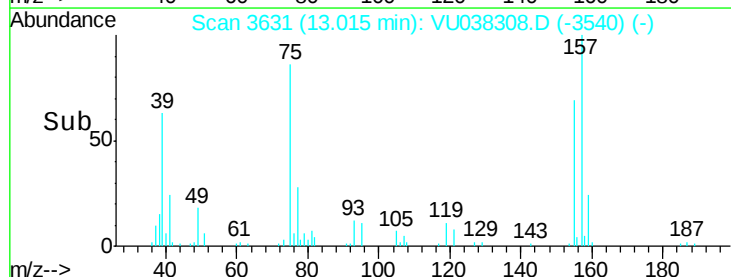
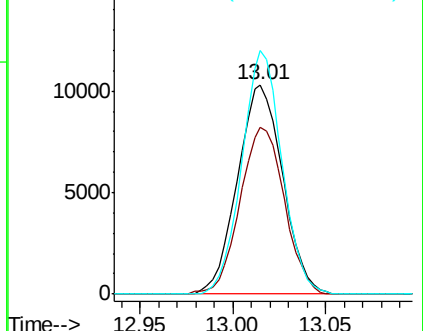
157 116.2 72.9 109.3#

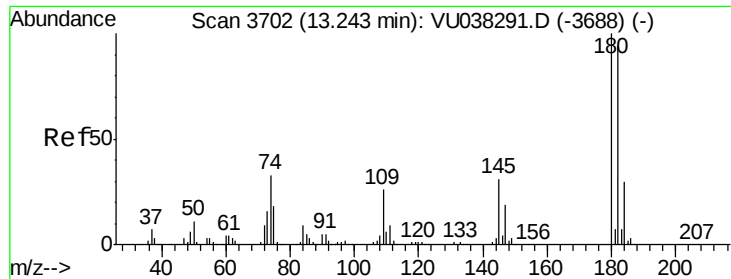


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

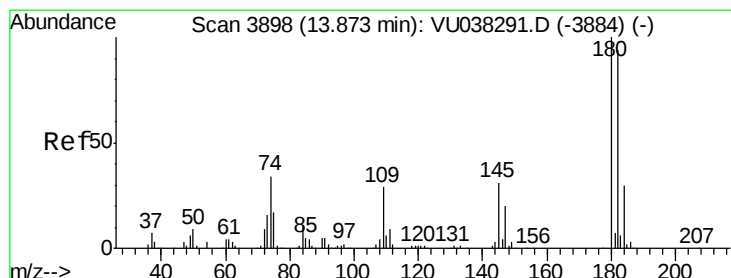
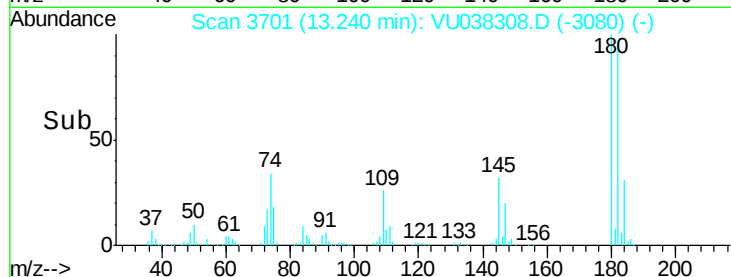
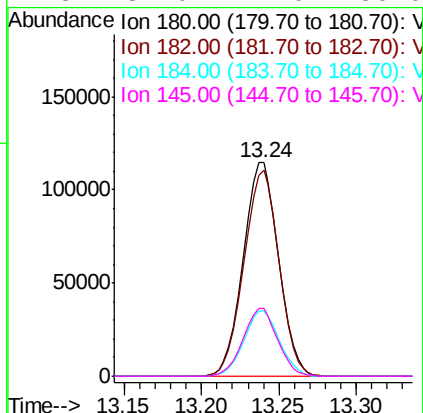
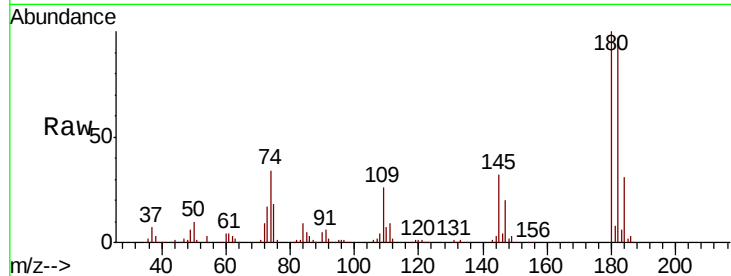




#67
 1,3,5-Trichlorobenzene
 Concen: 4.900 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

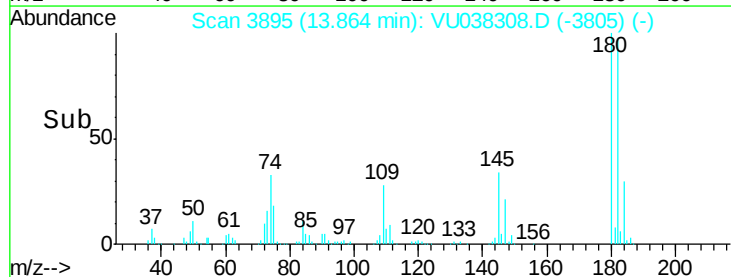
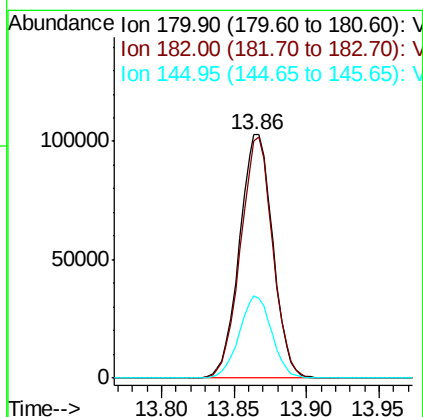
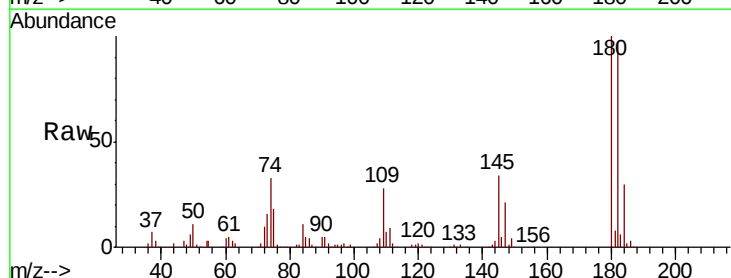
Instrument :
 MSVOA_U
 ClientSampleId :

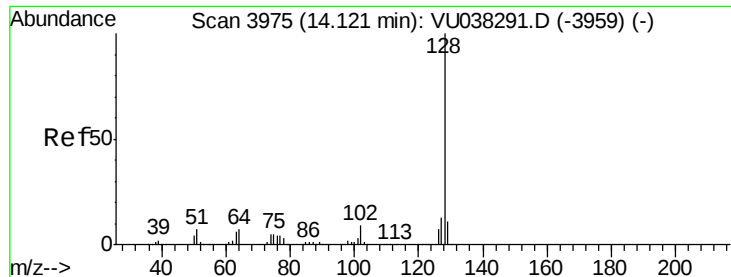
Tot Ion:	180	Resp:	182189
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
184	31.0	24.2	36.2
145	31.0	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.869 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038308.D
 Acq: 26 May 2020 19:42

Tgt Ion:	180	Resp:	164177
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.6
145	32.9	24.8	37.2





#69

Naphthalene

Concen: 4.739 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

Instrument :

MSVOA_U

ClientSampled :

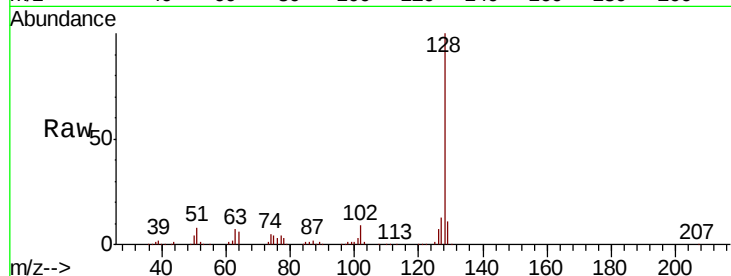
Tot Ion:128 Resp: 336425

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

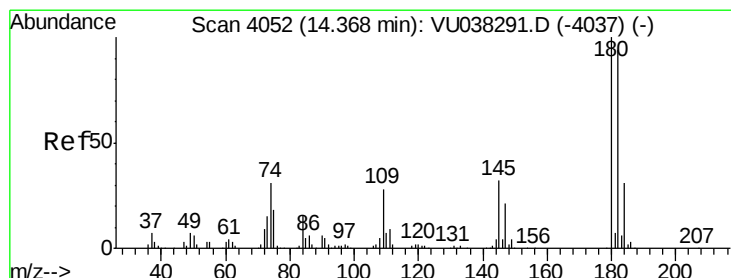
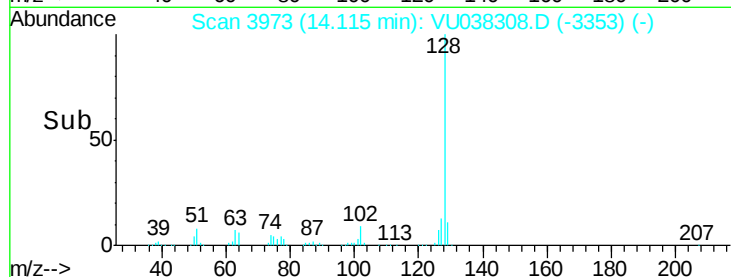
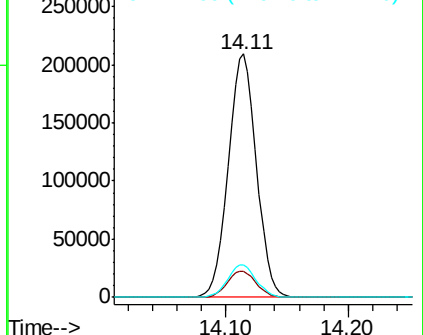
127 13.4 10.2 15.4



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: 4.926 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038308.D

Acq: 26 May 2020 19:42

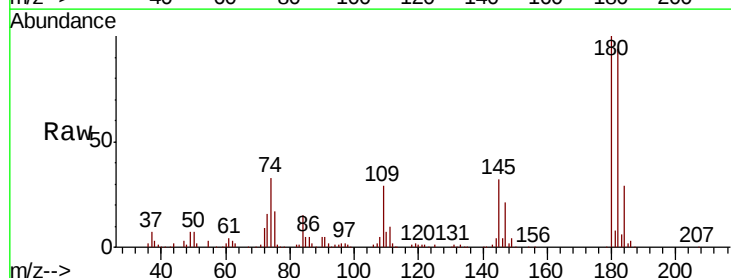
Tgt Ion:180 Resp: 154396

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 33.8 26.1 39.1



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

