

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038033.D
 Acq On : 07 May 2020 12:11
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 08 01:45:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	395908	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	381805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	185621	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	166691	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.93	69	141640	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.59	63	267598	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.67	46	375242	42.00	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.00%
24) Chloroform-d	5.10	84	246914	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	138721	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.76	84	524058	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.72	67	167194	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.92	98	481323	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	8.20	79	67175	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.66	63	309374	44.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	127868	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	165185	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	149750	4.136	ug/L 100
3) Chloromethane	1.53	50	192725	4.417	ug/L 99
5) Vinyl chloride	1.61	62	192076	4.492	ug/L 99
6) Bromomethane	1.87	94	106529	4.376	ug/L 96
8) Chloroethane	1.95	64	115447	4.390	ug/L 99
9) Trichlorofluoromethane	2.16	101	190142	4.349	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	112128	4.137	ug/L 99
12) 1,1-Dichloroethene	2.60	96	122313	4.452	ug/L 91
13) Acetone	2.66	43	219220	39.107	ug/L 100
14) Carbon disulfide	2.82	76	440049	4.490	ug/L 99
15) Methyl Acetate	2.98	43	60835	3.880	ug/L 99
16) Methylene chloride	3.07	84	137272	4.286	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	327775	4.293	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	133351	4.446	ug/L 99
19) 1,1-Dichloroethane	3.91	63	252213	4.305	ug/L 100
21) 2-Butanone	4.75	43	394005	39.821	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	142093	4.396	ug/L 98

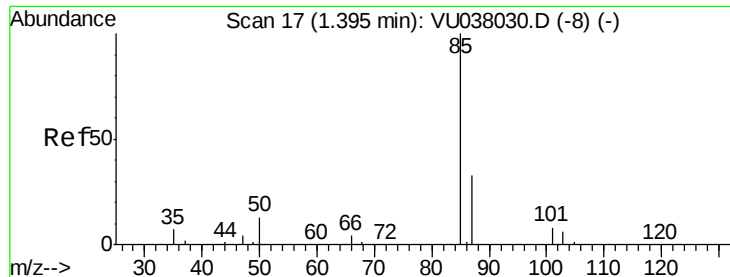
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038033.D
 Acq On : 07 May 2020 12:11
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	62208	4.472	ug/L	89
25) Chloroform	5.12	83	237601	4.348	ug/L	100
27) 1,2-Dichloroethane	5.83	62	165889	4.301	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	196741	4.498	ug/L	99
30) Cyclohexane	5.42	56	228964	4.433	ug/L	99
31) Carbon tetrachloride	5.56	117	161695	4.599	ug/L	98
33) Benzene	5.81	78	555262	4.541	ug/L	100
34) Trichloroethene	6.57	95	138492	4.529	ug/L	99
35) Methylcyclohexane	6.79	83	217027	4.381	ug/L	96
37) 1,2-Dichloropropane	6.82	63	146051	4.398	ug/L	100
38) Bromodichloromethane	7.13	83	168710	4.394	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	215373	4.531	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	990099	43.016	ug/L	100
42) Toluene	7.99	91	590386	4.574	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	181058	4.480	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	99750	4.325	ug/L	96
47) Tetrachloroethene	8.57	164	97469	4.557	ug/L	98
48) 2-Hexanone	8.71	43	727398	43.153	ug/L	99
49) Dibromochloromethane	8.83	129	106225	4.438	ug/L	98
50) 1,2-Dibromoethane	8.95	107	93584	4.372	ug/L	95
51) Chlorobenzene	9.47	112	364093	4.546	ug/L	99
52) Ethylbenzene	9.59	91	642053	4.592	ug/L	99
53) m,p-Xylene	9.71	106	248570	4.637	ug/L	98
54) o-Xylene	10.12	106	242764	4.684	ug/L	99
55) Styrene	10.13	104	408244	4.692	ug/L	97
56) Isopropylbenzene	10.50	105	625716	4.700	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	125424	4.284	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	94423	4.236	ug/L	99
61) Bromoform	10.31	173	54775	4.366	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	279040	4.620	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	280741	4.587	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	260139	4.477	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20334	4.282	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	199082	4.543	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	184377	4.639	ug/L	98
69) Naphthalene	14.12	128	402789	4.813	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	172071	4.657	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.136 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

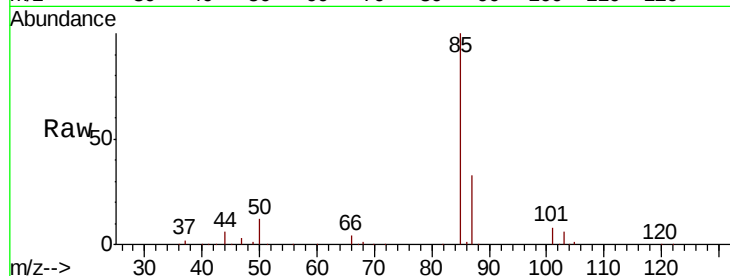
ClientSampleId :

Tot Ion: 85 Resp: 149750

Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038033.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038033.D (-8) (-)

1.40

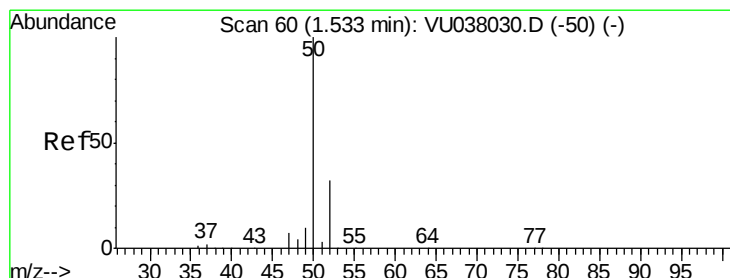
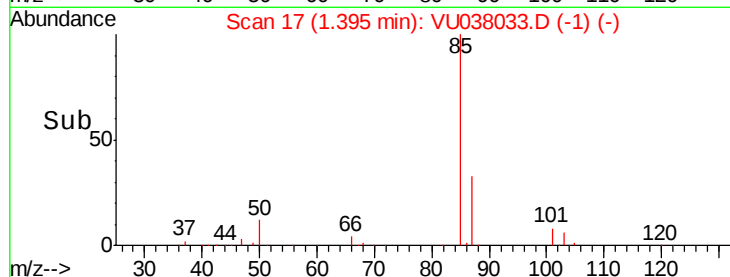
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100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.417 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038033.D

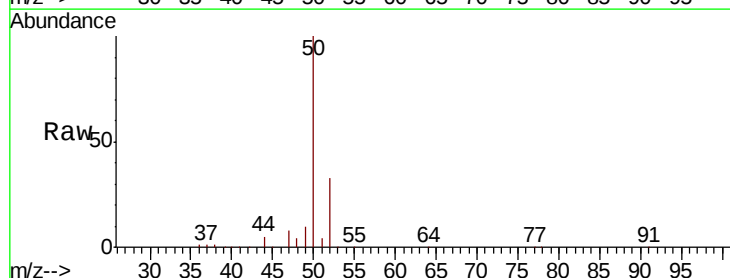
Acq: 07 May 2020 12:11

Tgt Ion: 50 Resp: 192725

Ion Ratio Lower Upper

50 100

52 32.8 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038033.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038033.D (-50) (-)

1.53

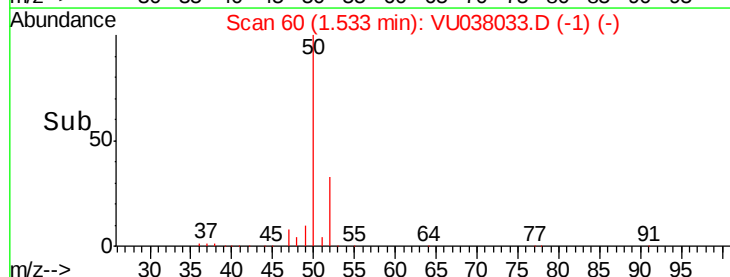
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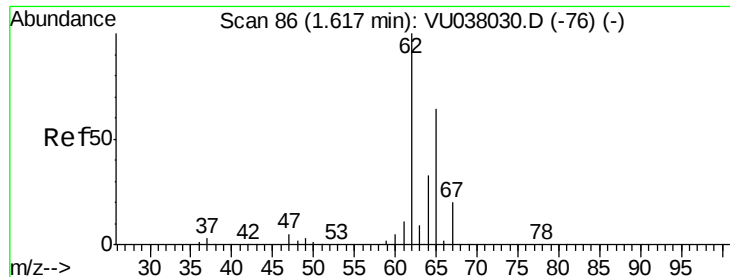
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50000

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Time-->





#5

Vinyl chloride

Concen: 4.492 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

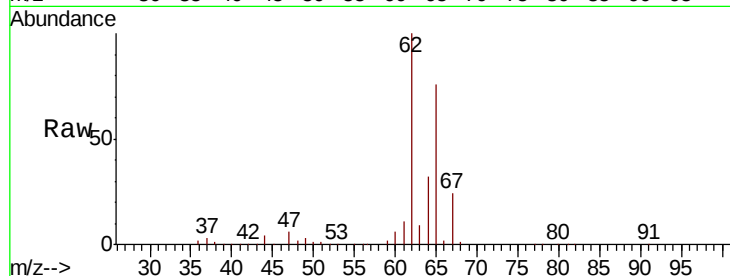
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 192076

Ion Ratio Lower Upper

62 100

64 32.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU038033.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU038033.D (-76) (-)

1.61

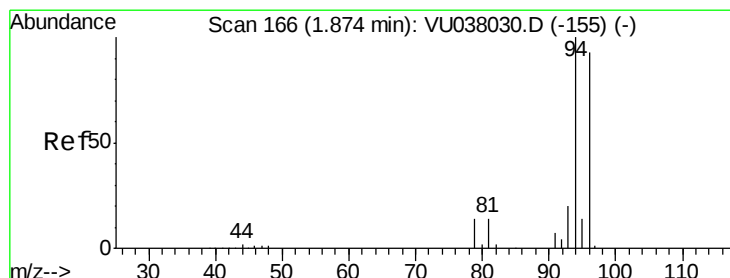
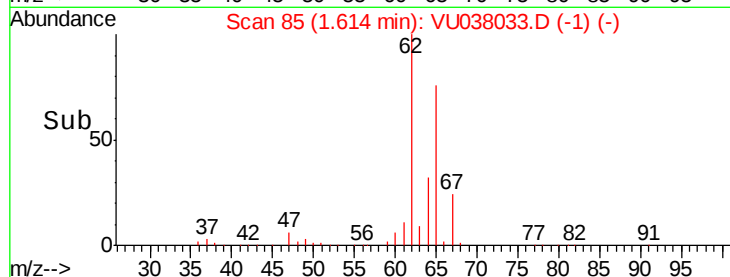
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.376 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038033.D

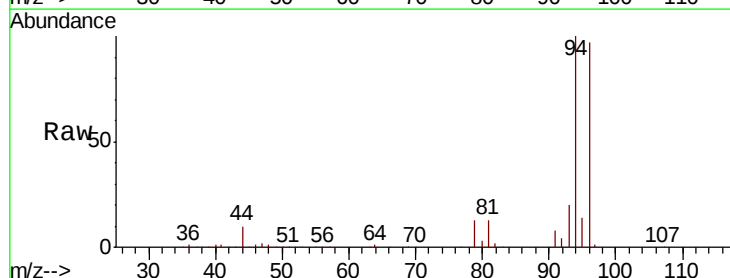
Acq: 07 May 2020 12:11

Tgt Ion: 94 Resp: 106529

Ion Ratio Lower Upper

94 100

96 96.5 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU038033.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU038033.D (-155) (-)

1.87

100000

80000

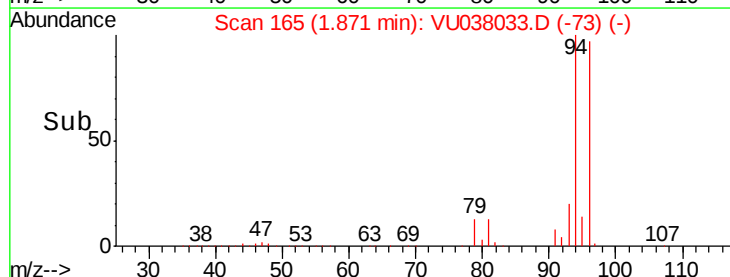
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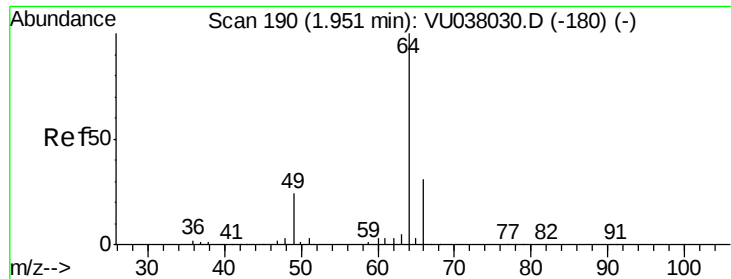
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Time-->

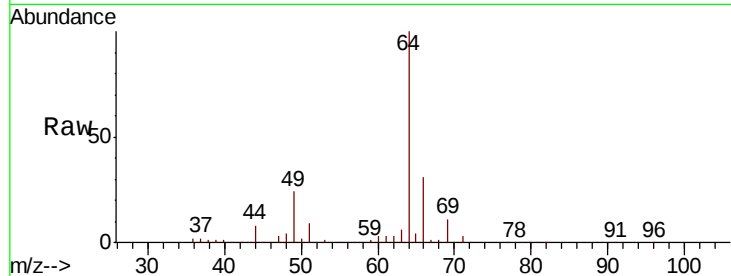




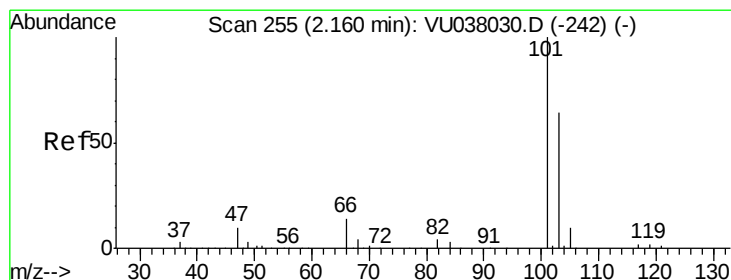
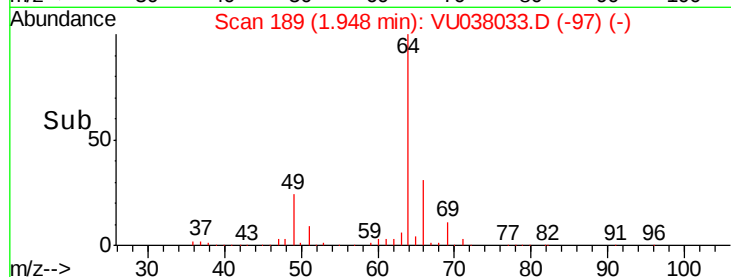
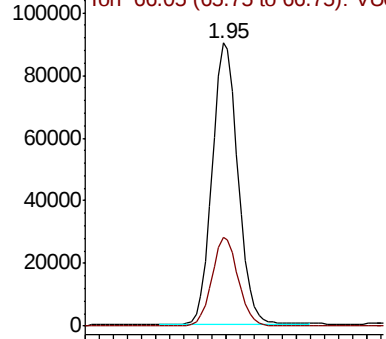
#8
Chloroethane
Concen: 4.390 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 115447
Ion Ratio Lower Upper
64 100
66 31.4 21.8 40.4

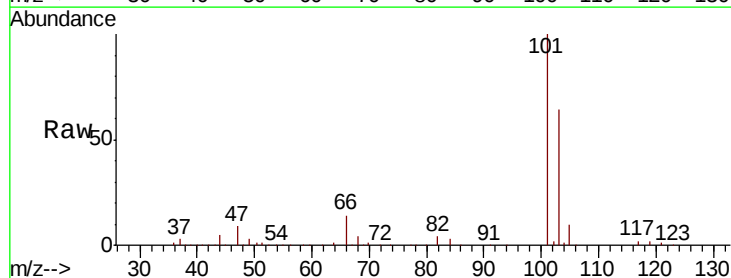


Abundance Ion 64.10 (63.80 to 64.80): VU038033.D (-180) (-)
Ion 66.05 (65.75 to 66.75): VU038033.D (-180) (-)

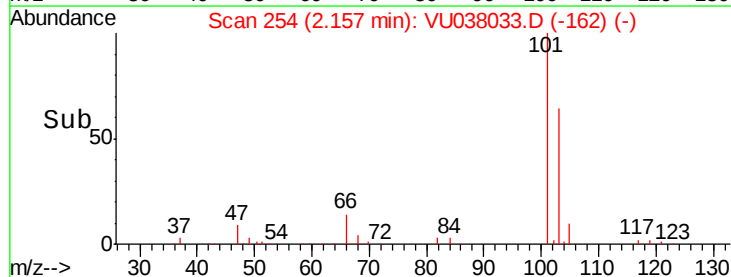
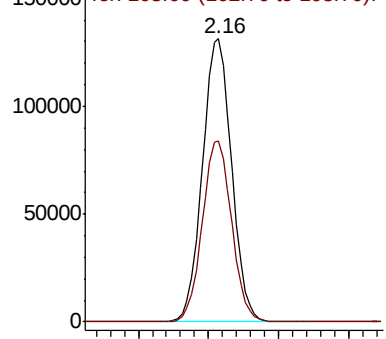


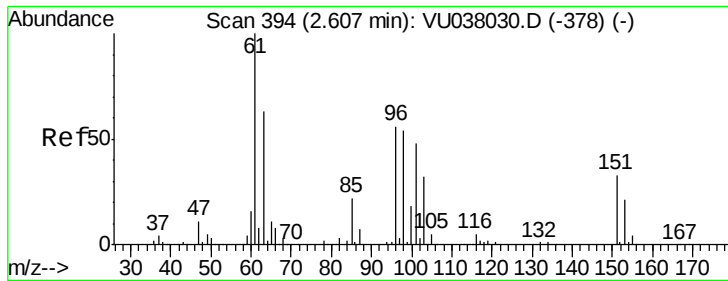
#9
Trichlorofluoromethane
Concen: 4.349 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Tgt Ion:101 Resp: 190142
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038033.D (-242) (-)
Ion 103.00 (102.70 to 103.70): VU038033.D (-242) (-)





#10

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

Concen: 4.137 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

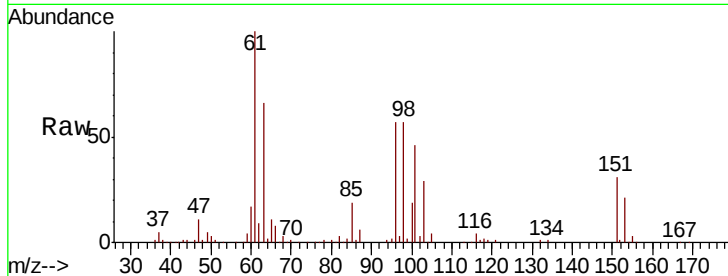
Tot Ion:101 Resp: 112128

Ion Ratio Lower Upper

101 100

85 43.5 35.3 52.9

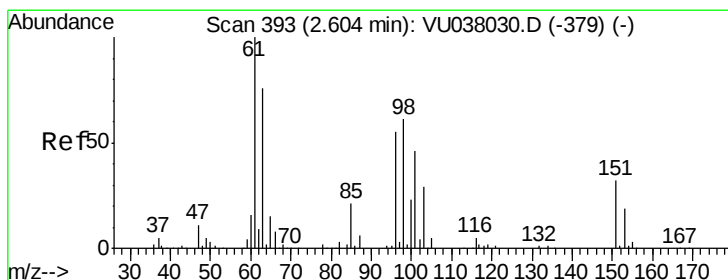
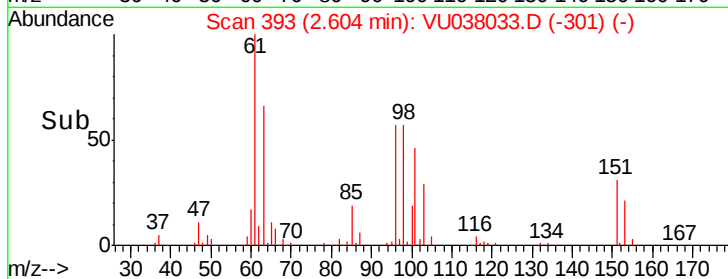
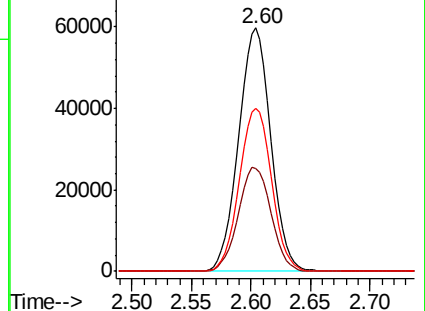
151 67.0 54.2 81.2



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: 4.452 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

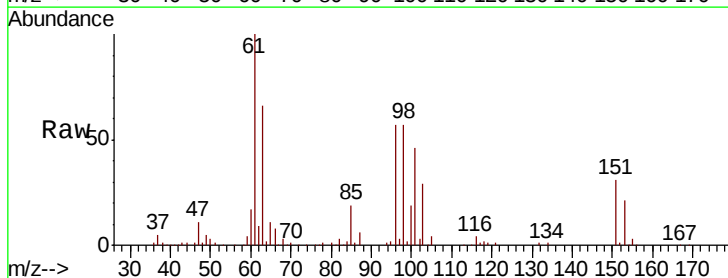
Tgt Ion: 96 Resp: 122313

Ion Ratio Lower Upper

96 100

61 176.3 126.2 234.4

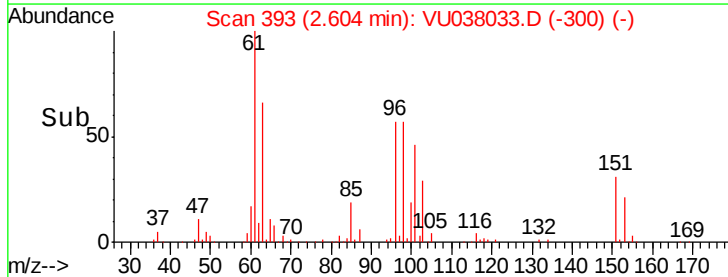
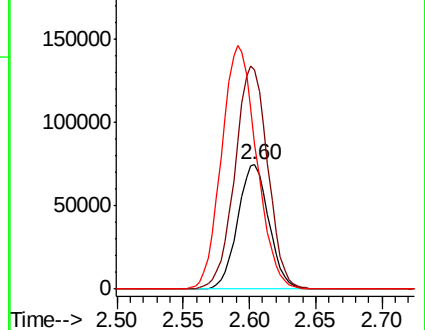
63 116.7 96.9 179.9

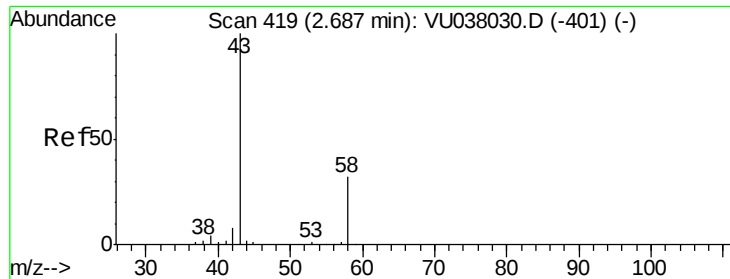


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.107 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.03 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

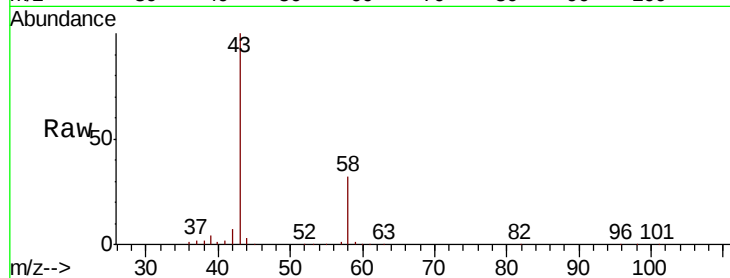
ClientSampleId :

Tot Ion: 43 Resp: 219220

Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038033.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038033.D (-401) (-)

2.66

120000

100000

80000

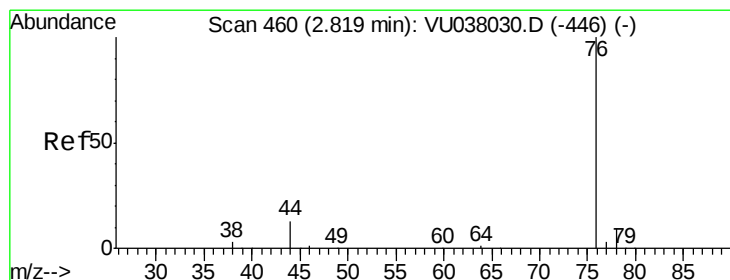
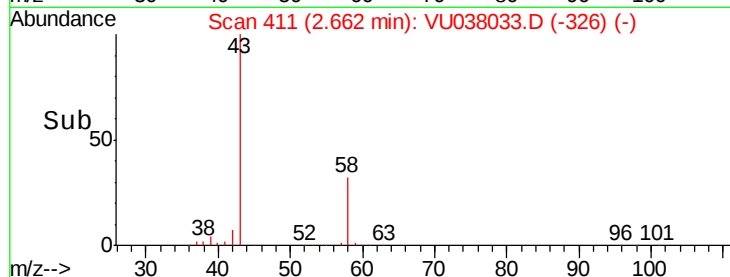
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40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.490 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038033.D

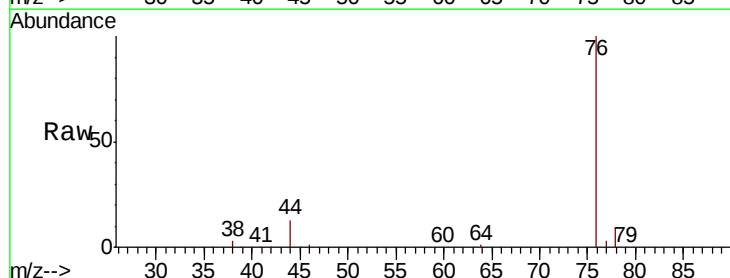
Acq: 07 May 2020 12:11

Tgt Ion: 76 Resp: 440049

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038033.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038033.D (-446) (-)

2.82

300000

250000

200000

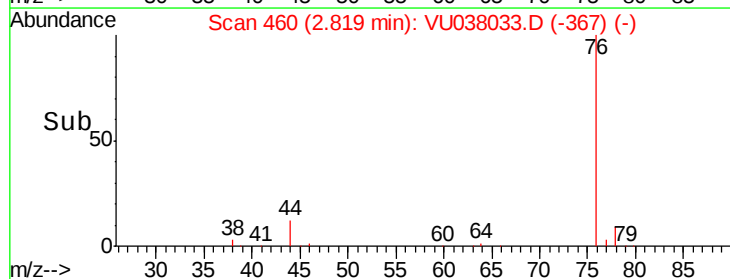
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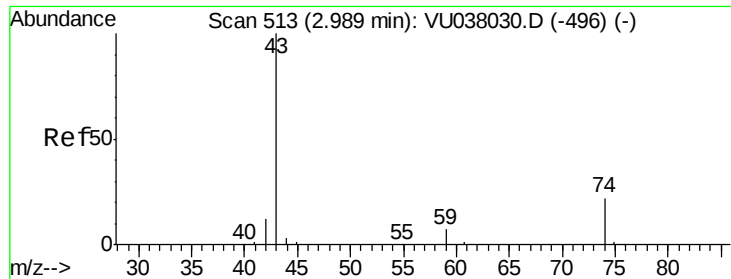
100000

50000

0

Time-->





#15

Methvl Acetate

Concen: 3.880 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.01 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

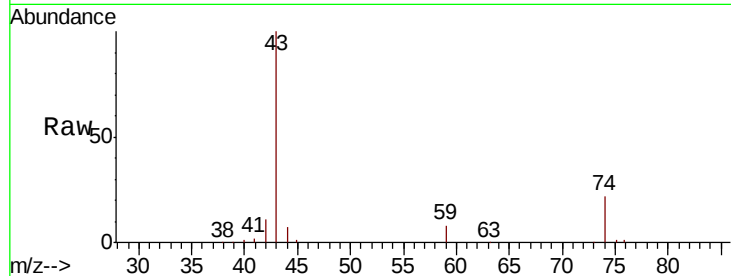
ClientSampleId :

Tot Ion: 43 Resp: 60835

Ion Ratio Lower Upper

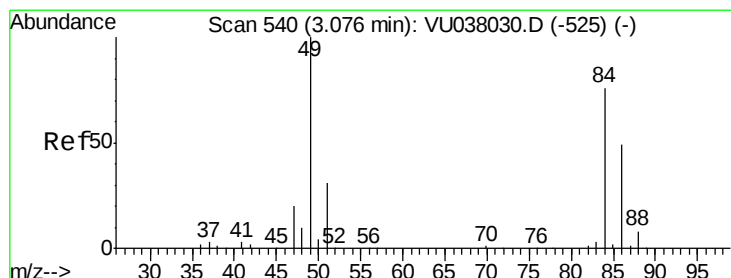
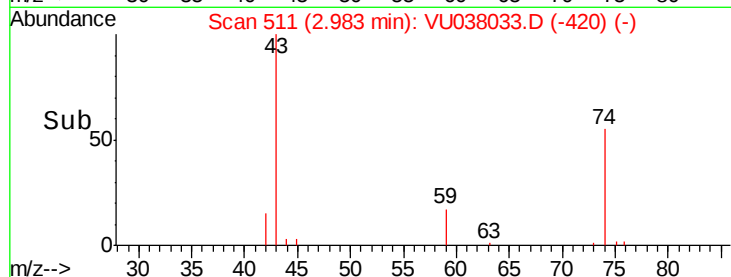
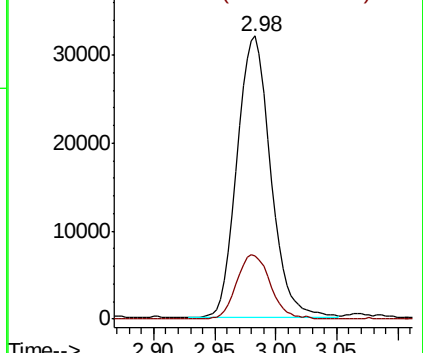
43 100

74 23.1 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: 4.286 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

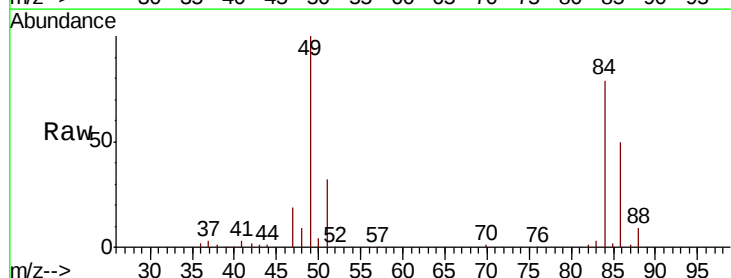
Tgt Ion: 84 Resp: 137272

Ion Ratio Lower Upper

84 100

86 62.9 44.9 83.3

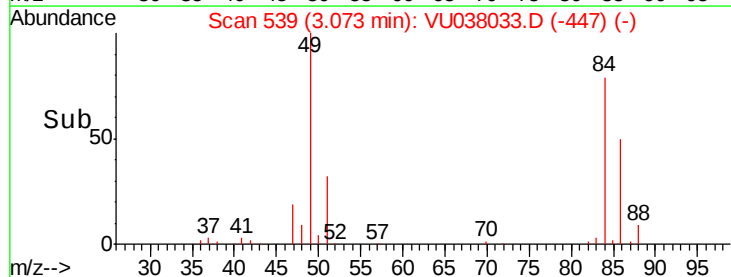
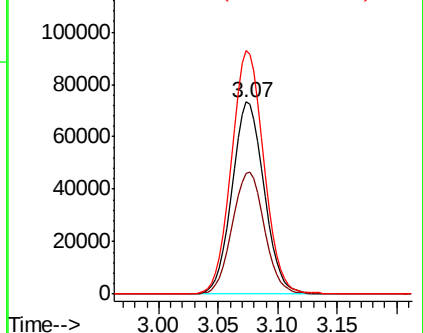
49 126.8 92.0 170.9

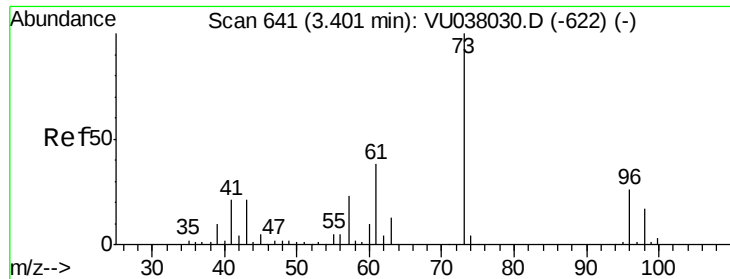


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

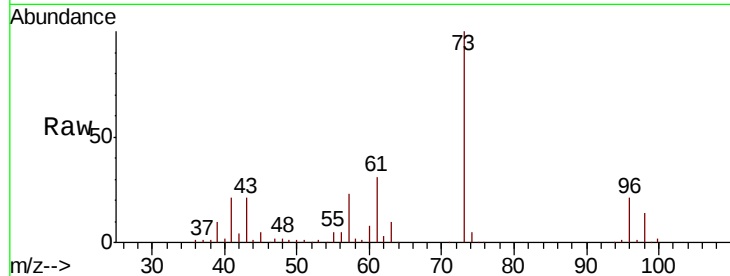




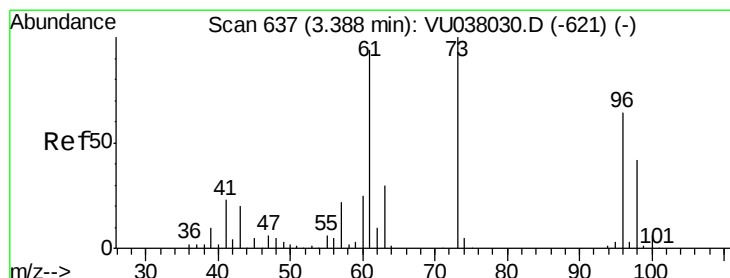
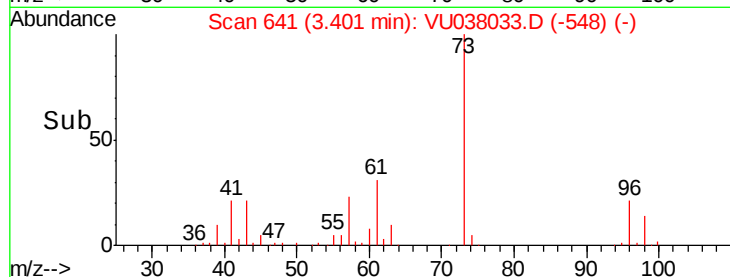
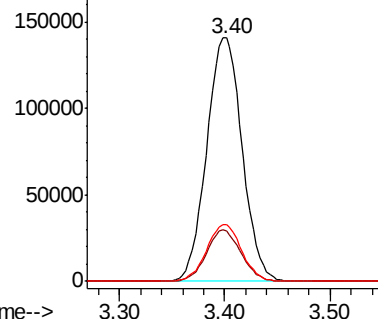
#17
Methvl tert-butvl Ether
Concen: 4.293 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 327775
Ion Ratio Lower Upper
73 100
43 20.8 16.9 25.3
57 23.1 18.2 27.2

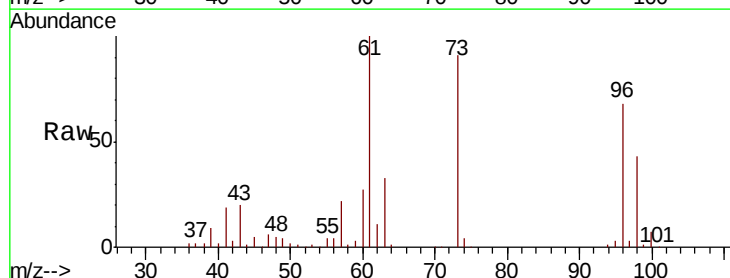


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

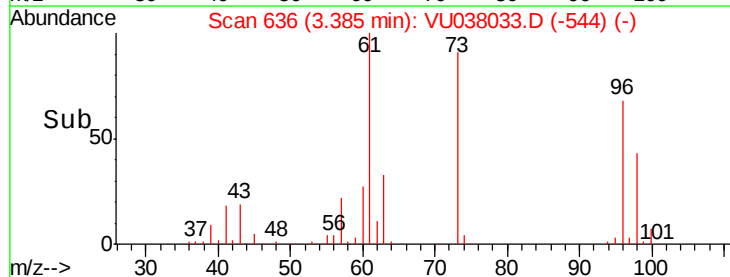
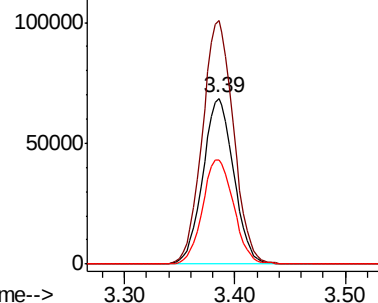


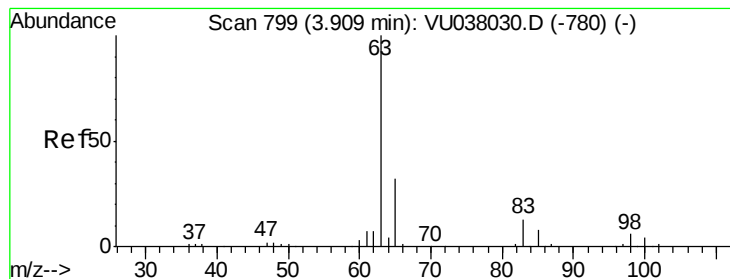
#18
trans-1,2-Dichloroethene
Concen: 4.446 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Tgt Ion: 96 Resp: 133351
Ion Ratio Lower Upper
96 100
61 146.9 102.1 189.5
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: 4.305 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

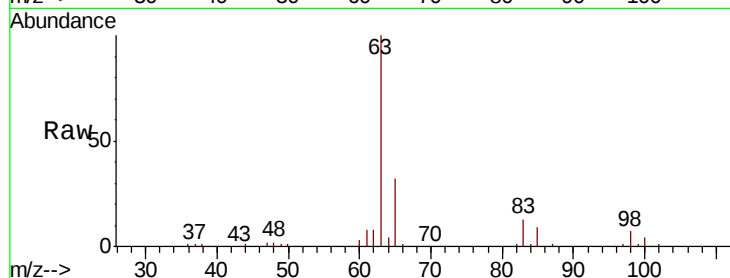
Tot Ion: 63 Resp: 252213

Ion Ratio Lower Upper

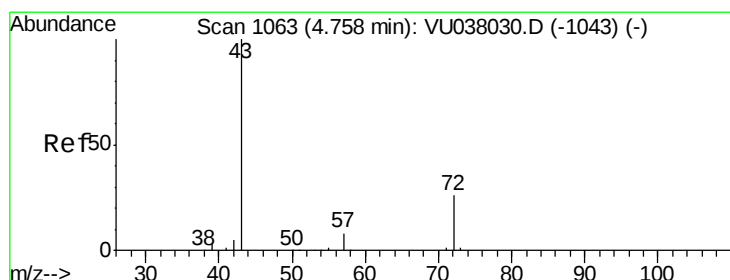
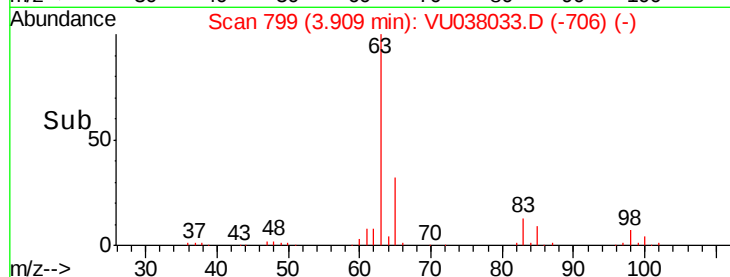
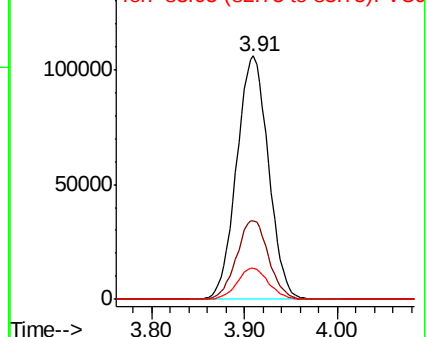
63 100

65 32.4 22.5 41.7

83 12.7 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 39.821 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.01 min

Lab File: VU038033.D

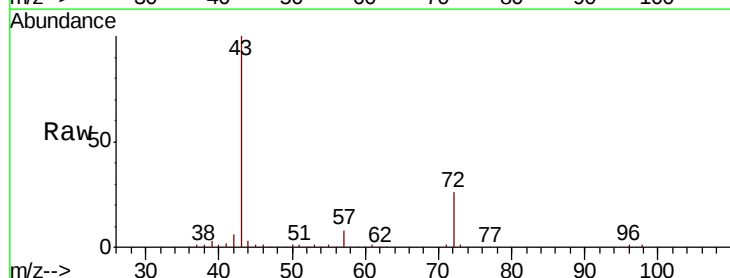
Acq: 07 May 2020 12:11

Tgt Ion: 43 Resp: 394005

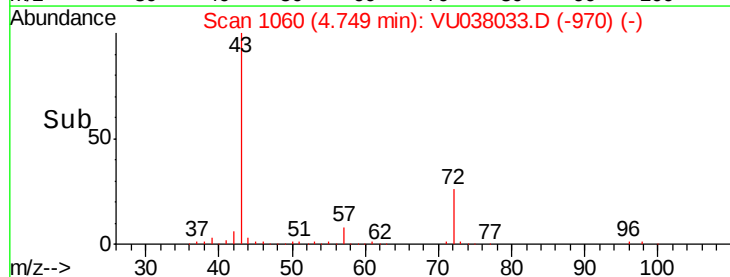
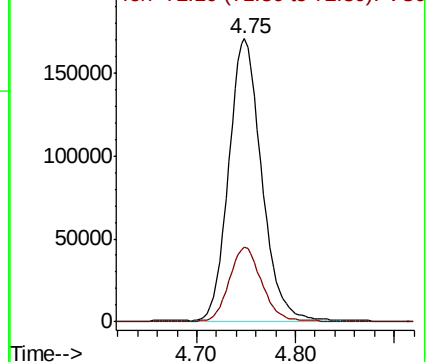
Ion Ratio Lower Upper

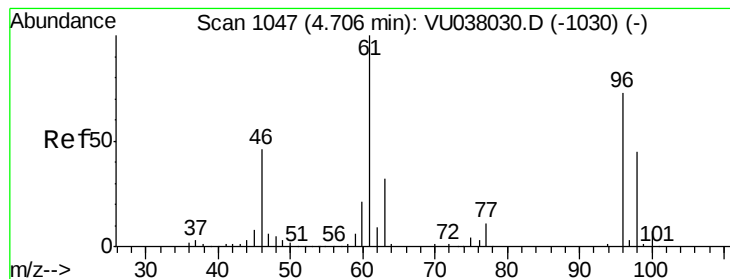
43 100

72 26.7 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.396 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

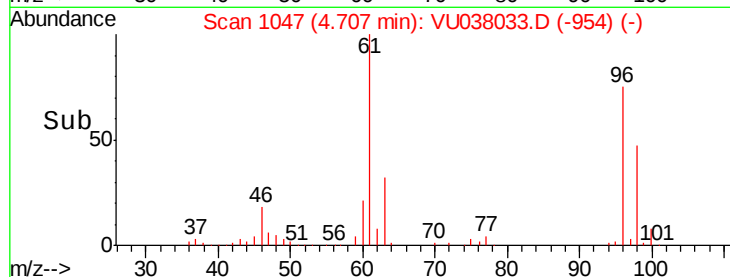
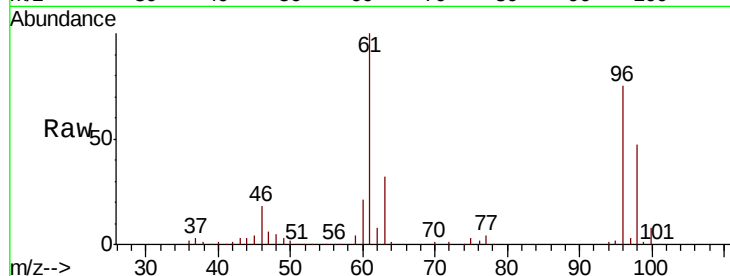
Tot Ion: 96 Resp: 142093

Ion Ratio Lower Upper

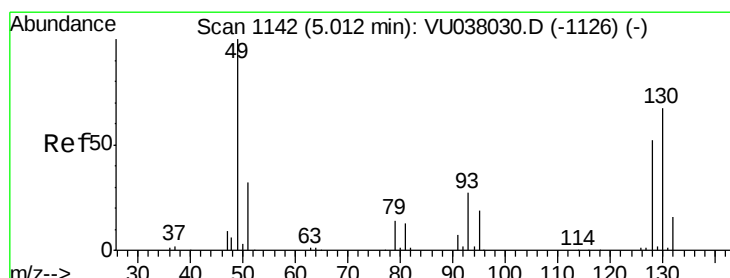
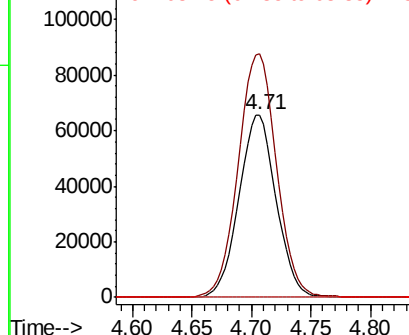
96 100

61 133.3 95.3 176.9

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: 4.472 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Tgt Ion:128 Resp: 62208

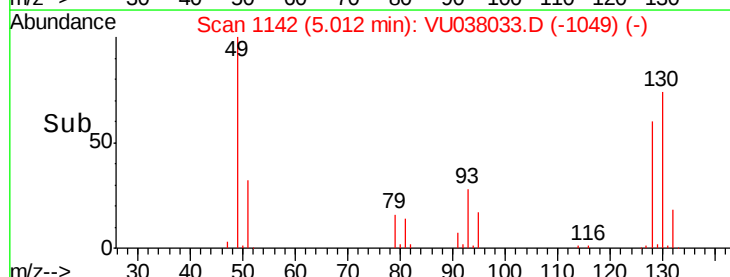
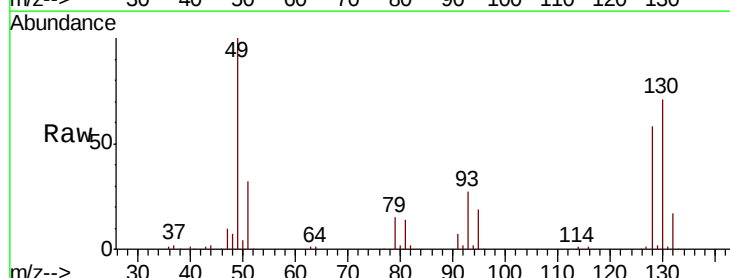
Ion Ratio Lower Upper

128 100

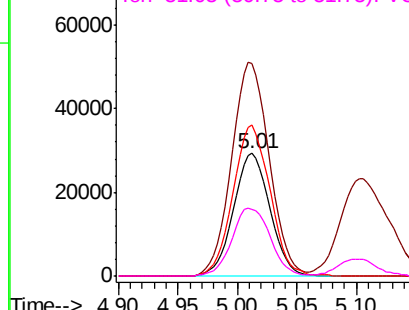
49 172.7 135.6 251.8

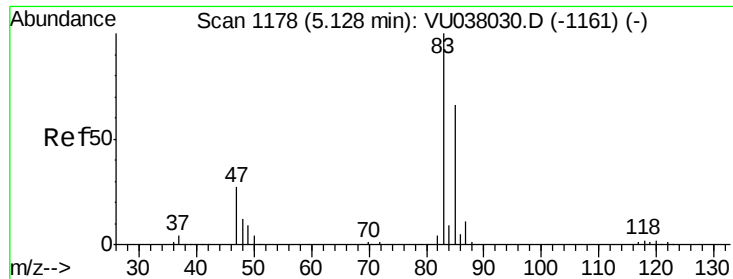
130 122.9 91.4 169.8

51 54.7 49.6 74.4



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

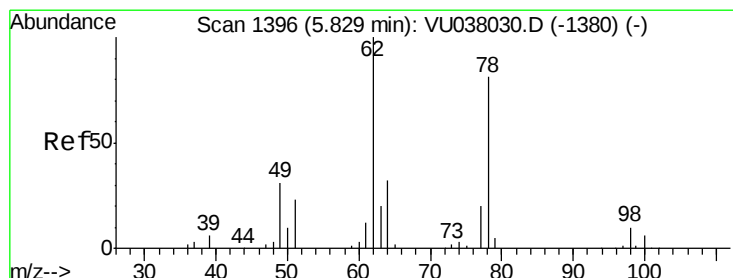
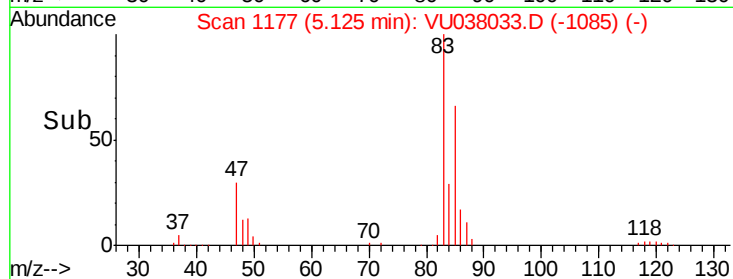
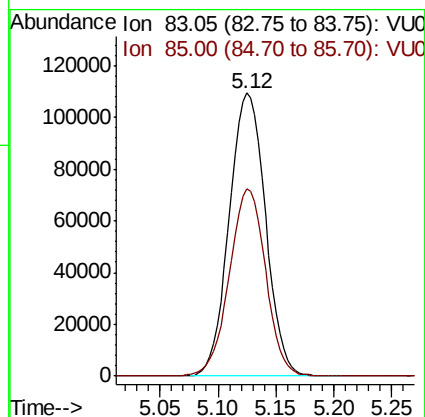
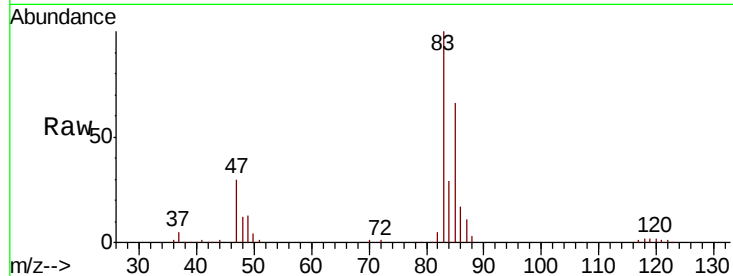




#25
Chloroform
Concen: 4.348 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

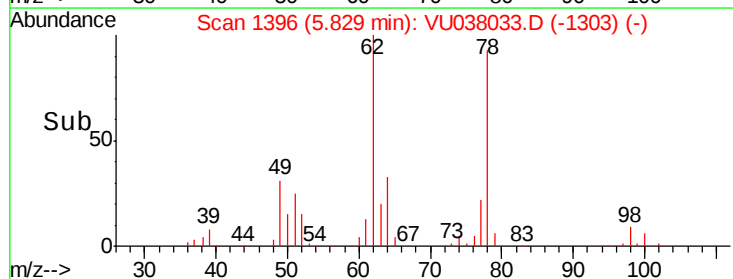
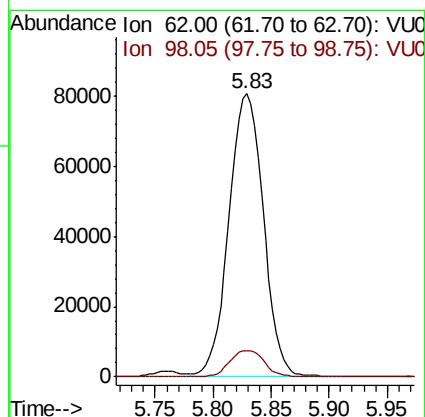
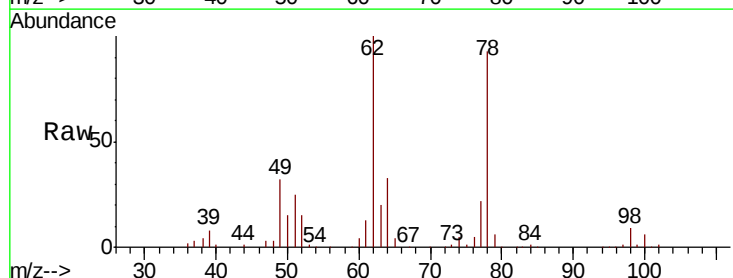
Instrument :
MSVOA_U
ClientSampled :

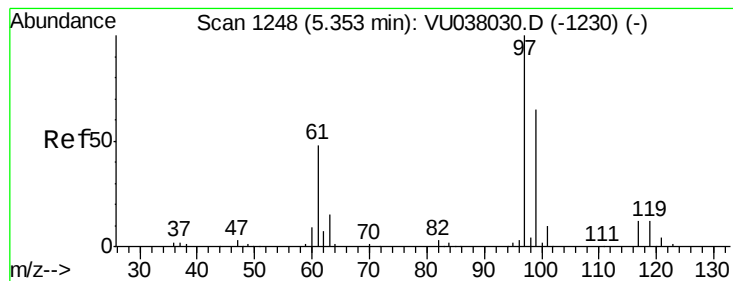
Tot Ion: 83 Resp: 237601
Ion Ratio Lower Upper
83 100
85 66.1 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.301 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Tgt Ion: 62 Resp: 165889
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.498 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

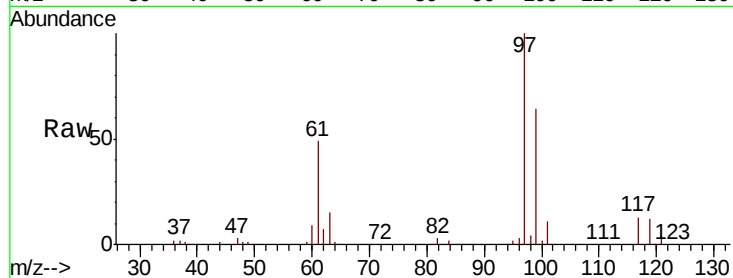
Tot Ion: 97 Resp: 196741

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

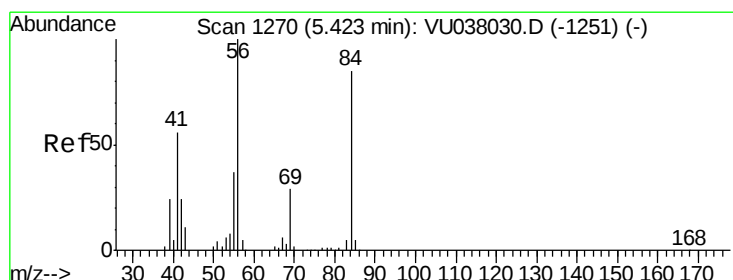
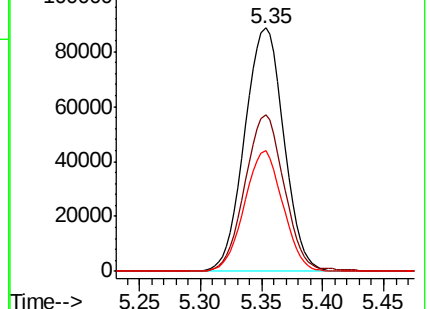
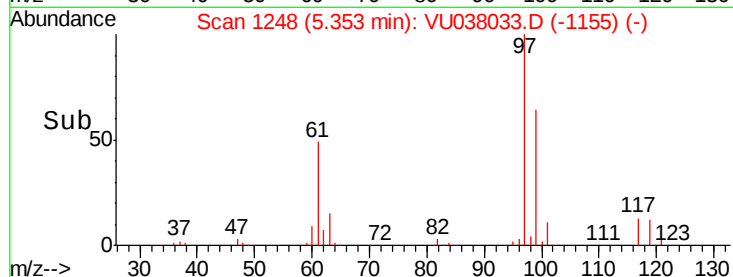
61 48.5 38.2 57.4



Abundance Ion 96.95 (96.65 to 97.65): VU038033.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038033.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038033.D (-1155) (-)



#30

Cyclohexane

Concen: 4.433 ug/L

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

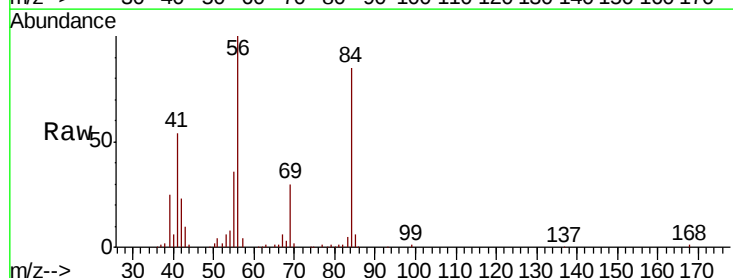
Tgt Ion: 56 Resp: 228964

Ion Ratio Lower Upper

56 100

69 29.6 24.2 36.4

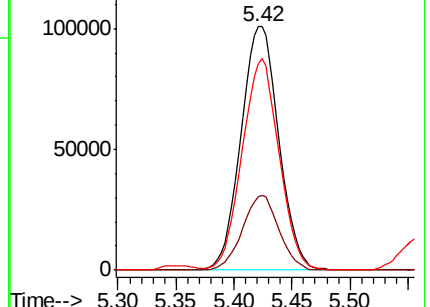
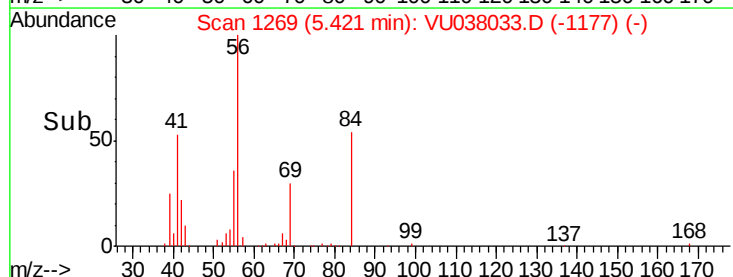
84 84.4 68.5 102.7

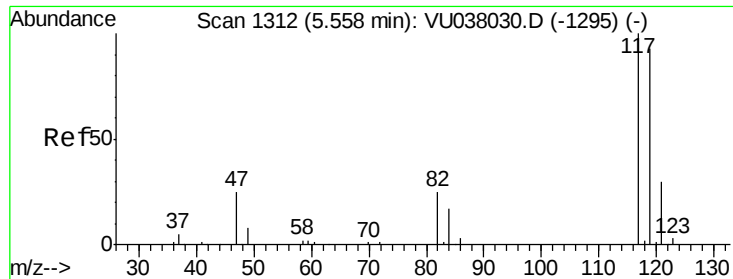


Abundance Ion 56.10 (55.80 to 56.80): VU038033.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU038033.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU038033.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.599 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

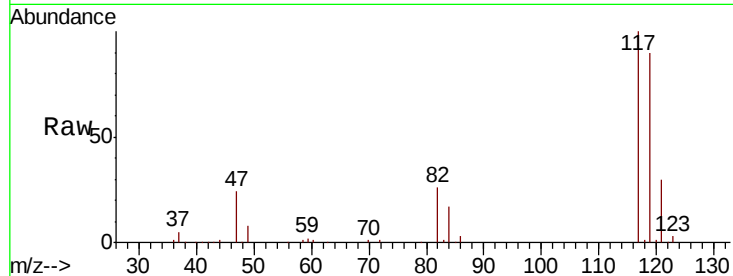
ClientSampleId :

Tot Ion:117 Resp: 161695

Ion Ratio Lower Upper

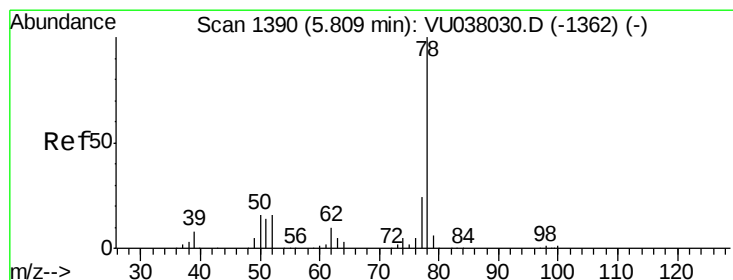
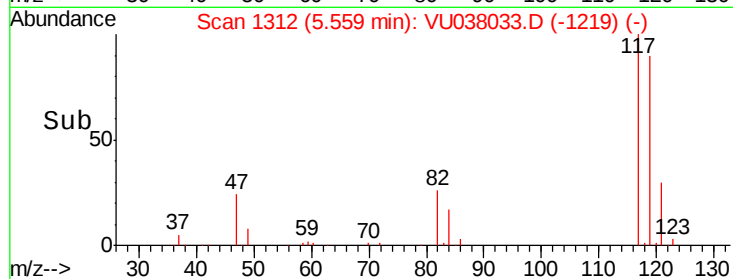
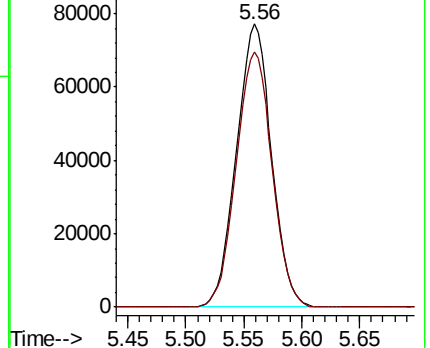
117 100

119 92.5 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.541 ug/L

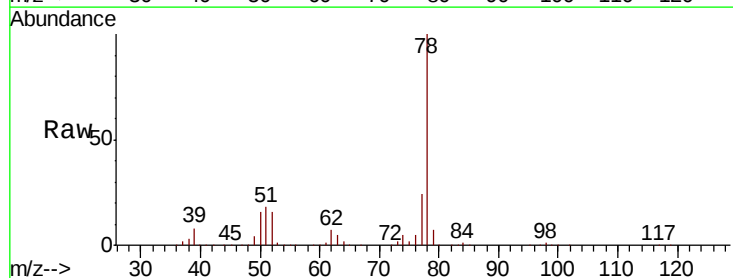
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

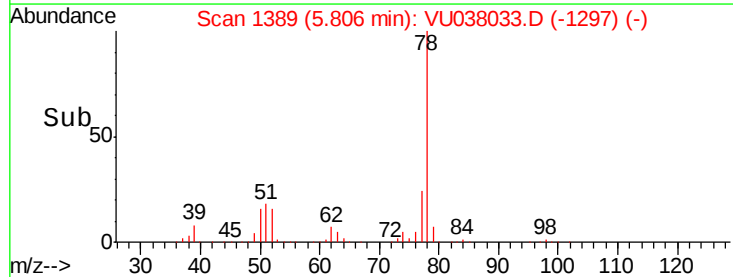
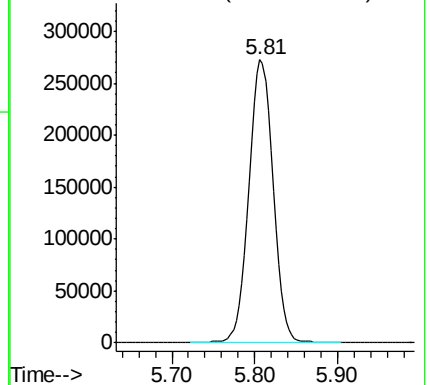
Lab File: VU038033.D

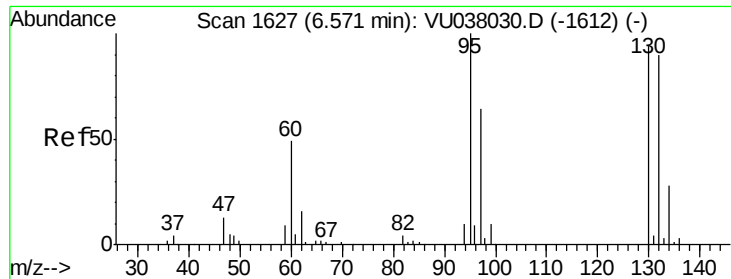
Acq: 07 May 2020 12:11

Tgt Ion: 78 Resp: 555262



Abundance Ion 78.10 (77.80 to 78.80): VU0

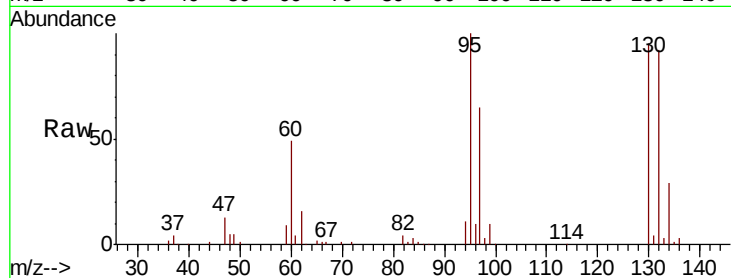




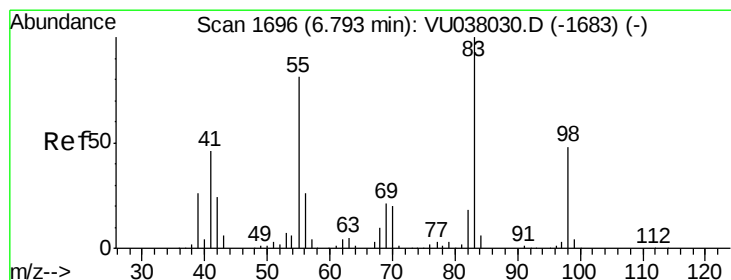
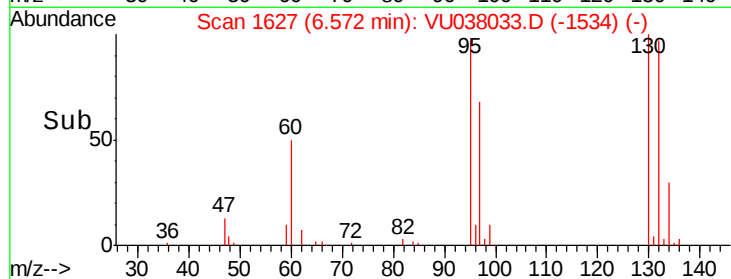
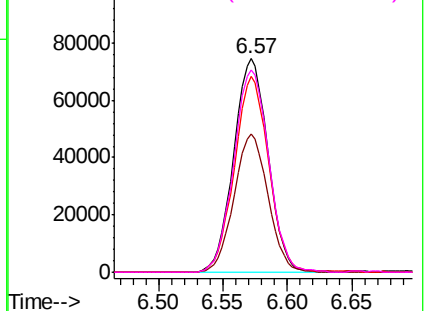
#34
 Trichloroethene
 Concen: 4.529 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 138492
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.9 83.3
 132 92.0 63.3 117.5
 130 94.9 65.7 122.1

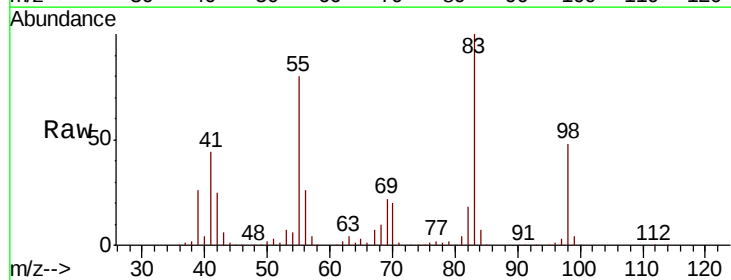


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

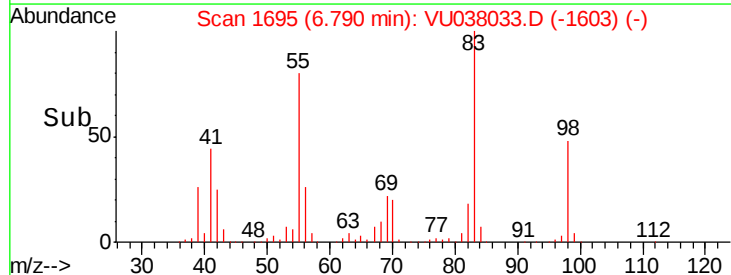
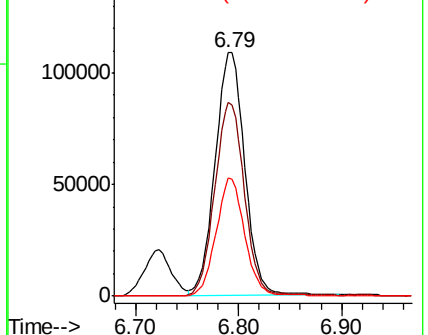


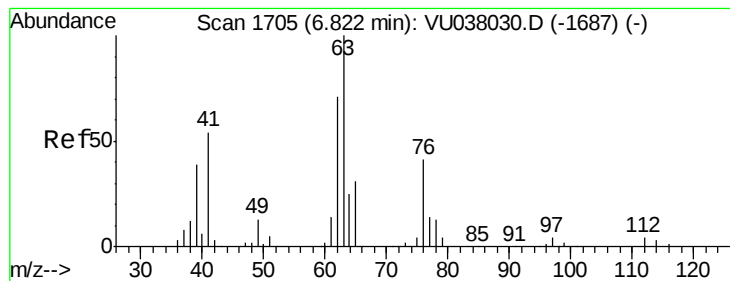
#35
 Methylcyclohexane
 Concen: 4.381 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Tgt Ion: 83 Resp: 217027
 Ion Ratio Lower Upper
 83 100
 55 79.8 66.7 100.1
 98 46.4 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: 4.398 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

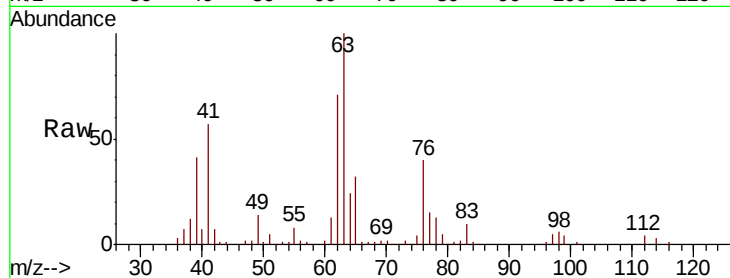
ClientSampleId :

Tot Ion: 63 Resp: 146051

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038033.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038033.D (-1687) (-)

6.82

80000

60000

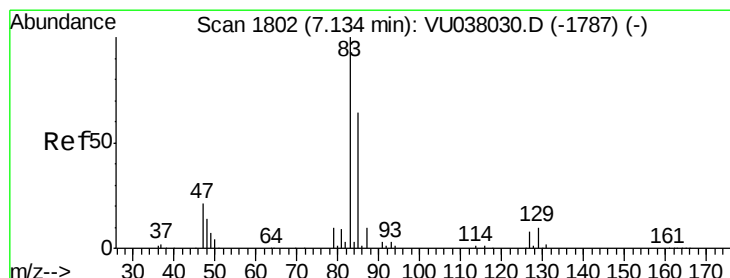
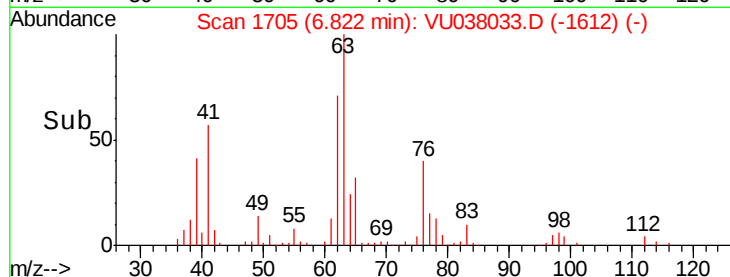
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.394 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

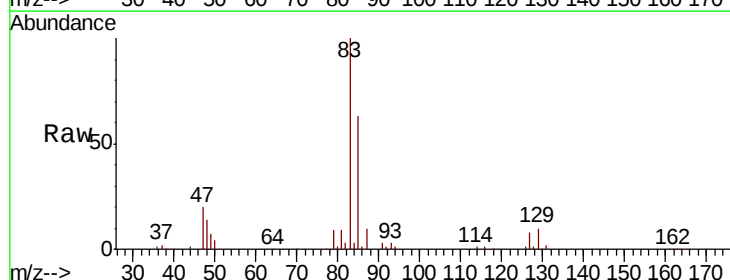
Tgt Ion: 83 Resp: 168710

Ion Ratio Lower Upper

83 100

85 62.5 44.6 82.8

127 7.7 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038033.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU038033.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU038033.D (-1787) (-)

7.13

120000

100000

80000

60000

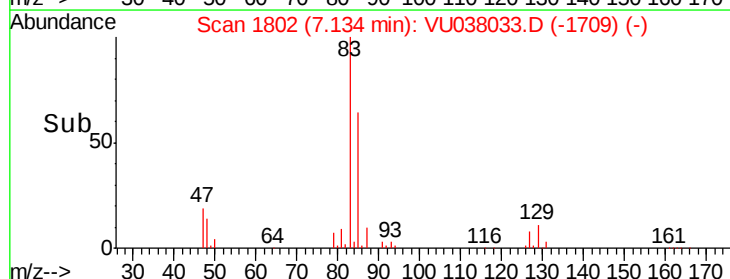
40000

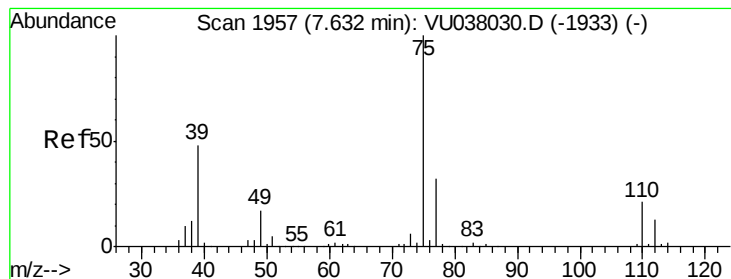
20000

0

7.05 7.10 7.15 7.20

Time-->



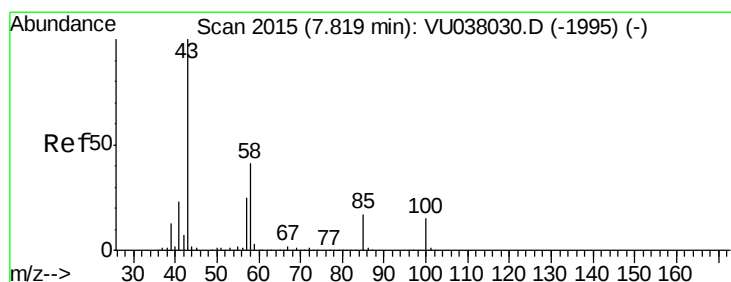
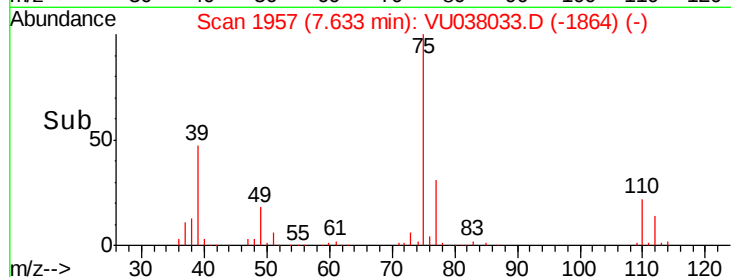
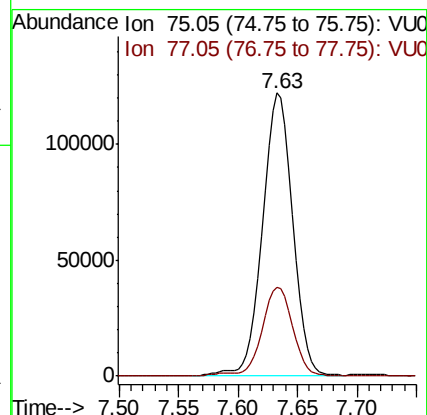
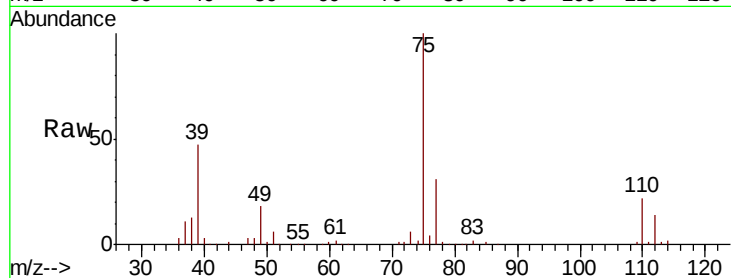


#39

cis-1,3-Dichloropropene
 Concen: 4.531 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

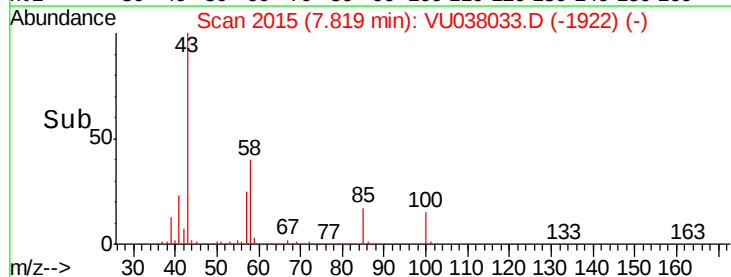
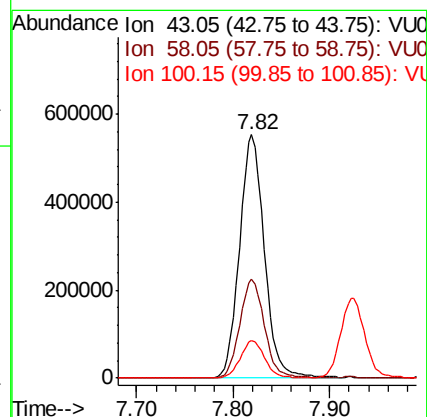
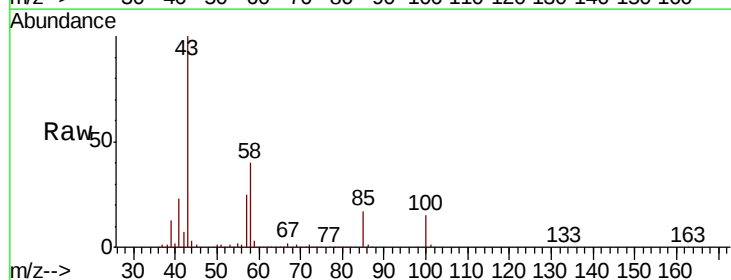
Tot Ion: 75 Resp: 215373
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6

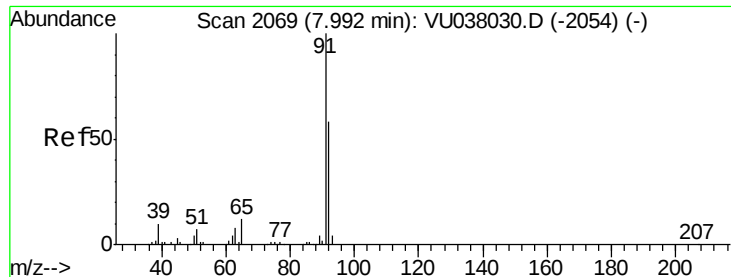


#40

4-Methyl-2-pentanone
 Concen: 43.016 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Tgt Ion: 43 Resp: 990099
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.2 48.4
 100 15.1 12.1 18.1





#42

Toluene

Concen: 4.574 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

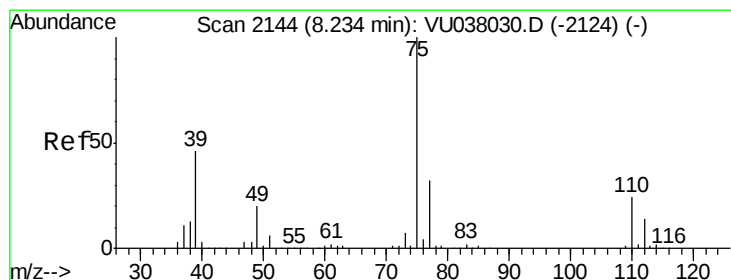
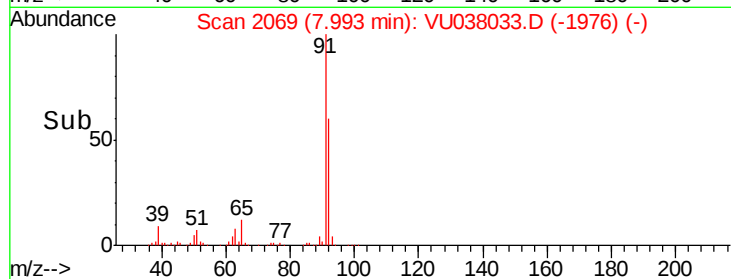
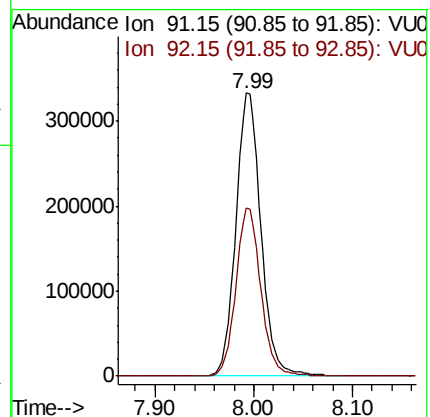
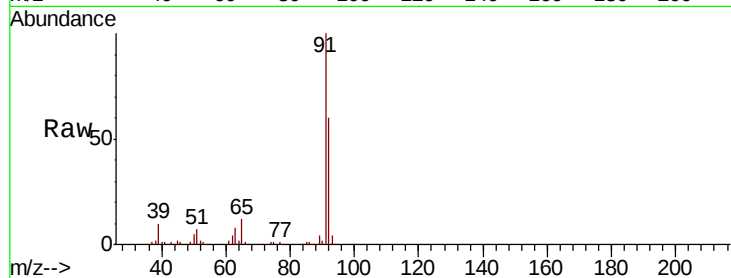
ClientSampleId :

Tot Ion: 91 Resp: 590386

Ion Ratio Lower Upper

91 100

92 59.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.480 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038033.D

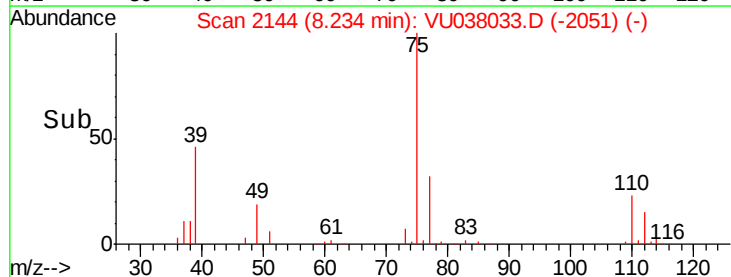
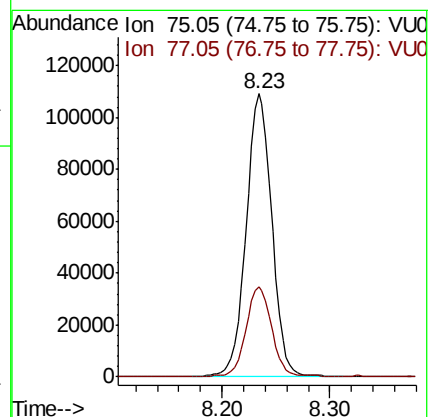
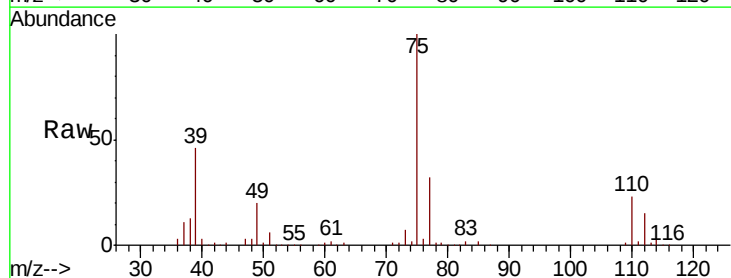
Acq: 07 May 2020 12:11

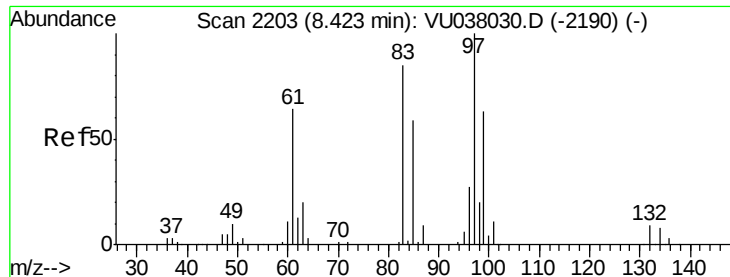
Tgt Ion: 75 Resp: 181058

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6

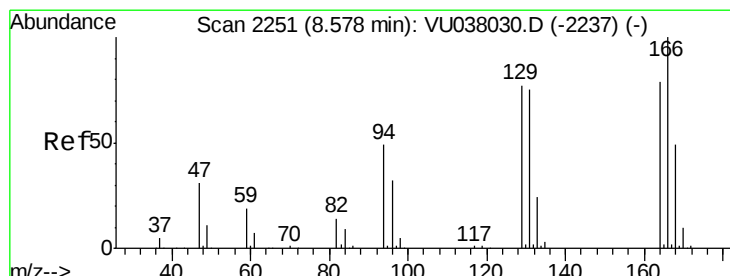
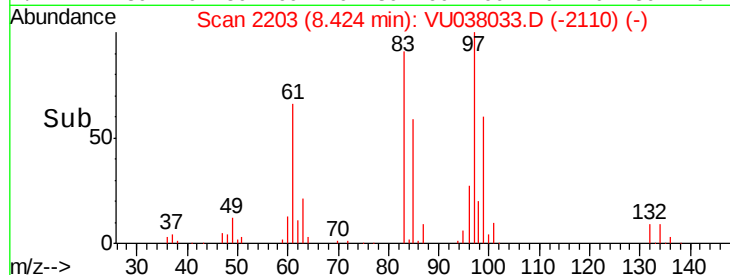
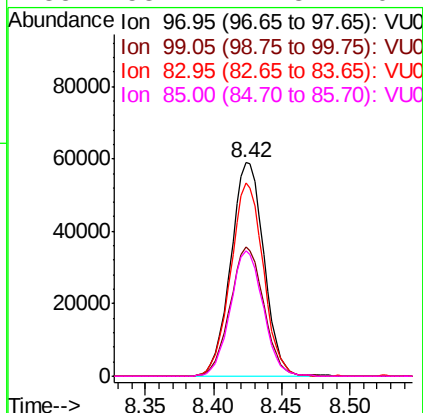
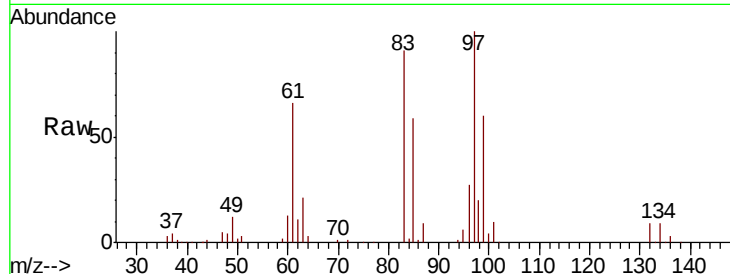




#45
 1,1,2-Trichloroethane
 Concen: 4.325 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

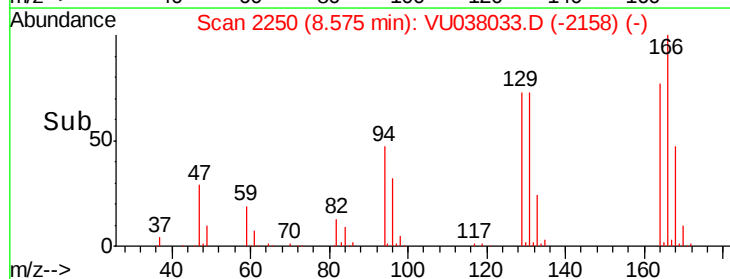
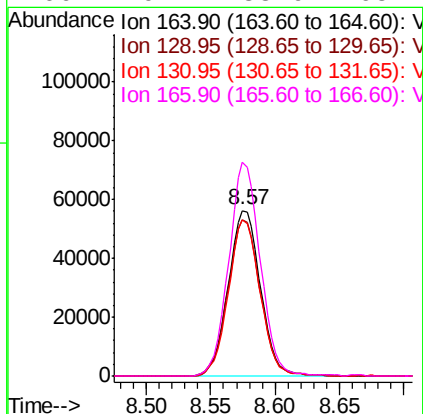
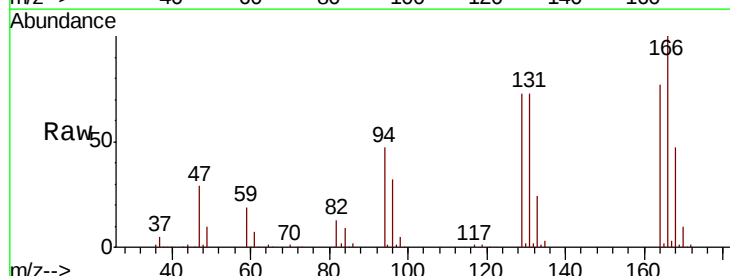
Instrument :
 MSVOA_U
 ClientSampleId :

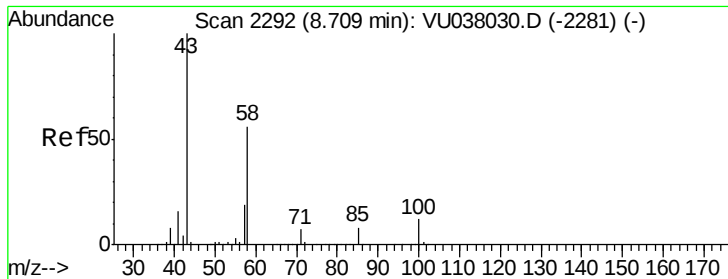
Tot Ion:	97	Resp:	99750
Ion	Ratio	Lower	Upper
97	100		
99	60.4	44.0	81.6
83	90.7	59.6	110.8
85	58.7	41.3	76.7



#47
 Tetrachloroethene
 Concen: 4.557 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Tgt Ion:	164	Resp:	97469
Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.8	127.8
131	94.4	66.8	124.2
166	129.2	88.9	165.1

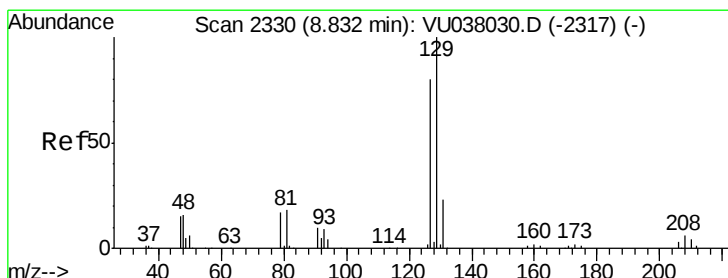
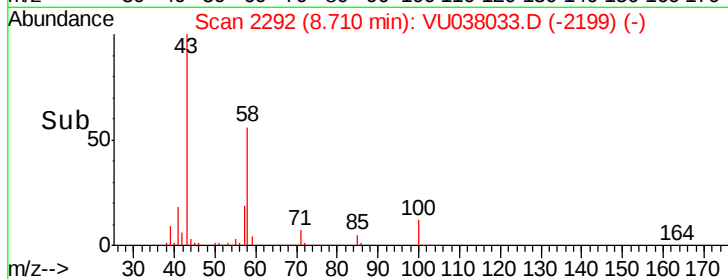
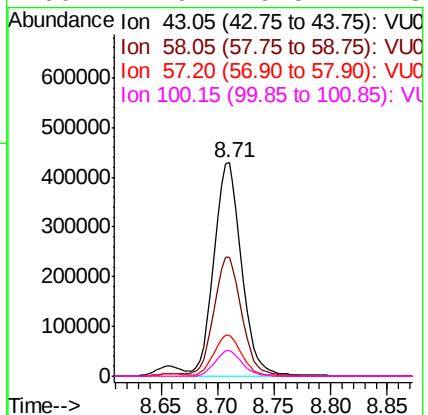
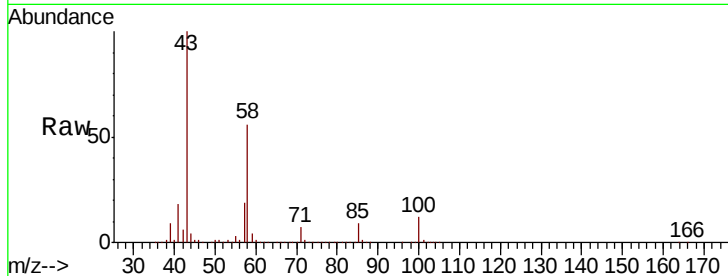




#48
2-Hexanone
Concen: 43.153 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

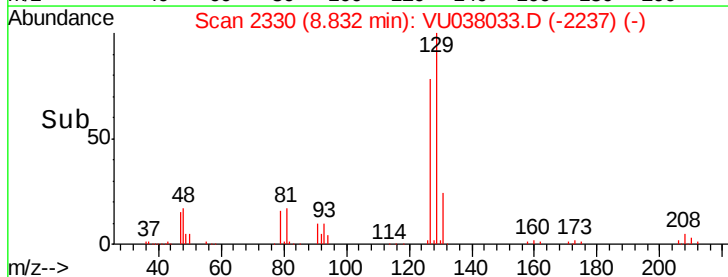
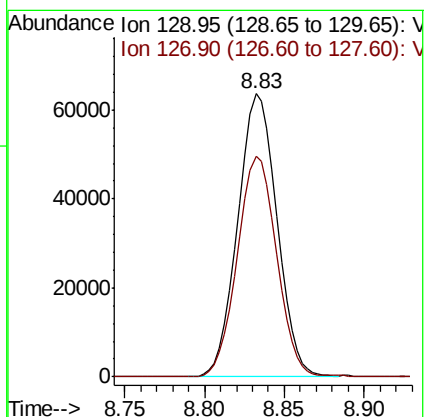
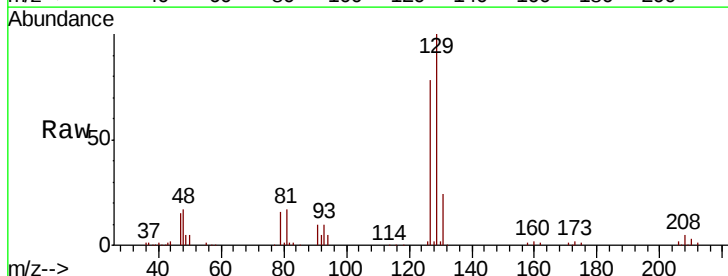
Instrument :
MSVOA_U
ClientSampleId :

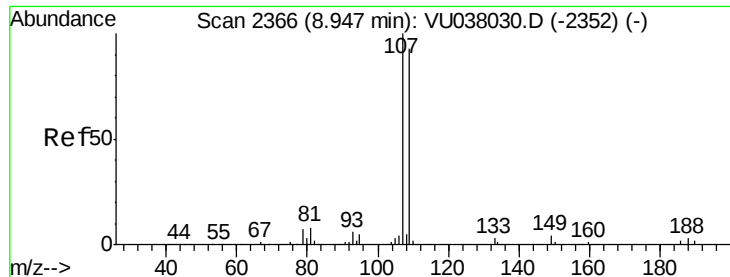
Tot Ion: 43 Resp: 727398
Ion Ratio Lower Upper
43 100
58 58.1 45.2 67.8
57 19.5 15.5 23.3
100 11.9 9.5 14.3



#49
Dibromochloromethane
Concen: 4.438 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Tgt Ion: 129 Resp: 106225
Ion Ratio Lower Upper
129 100
127 78.0 55.6 103.4





#50

1,2-Dibromoethane

Concen: 4.372 ug/L

RT: 8.95 min Scan# 2366

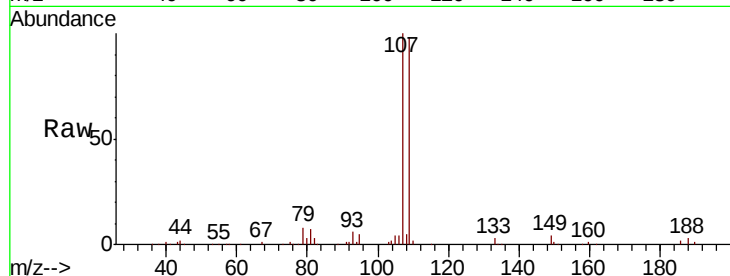
Delta R.T. 0.00 min

Lab File: VU038033.D

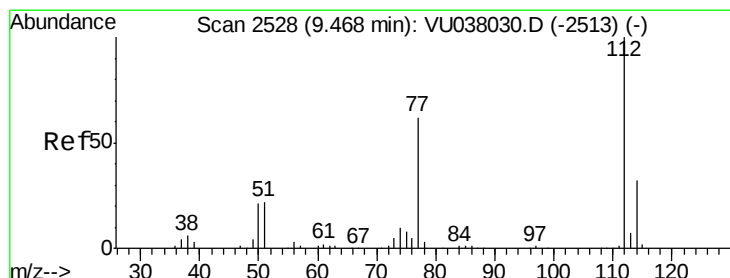
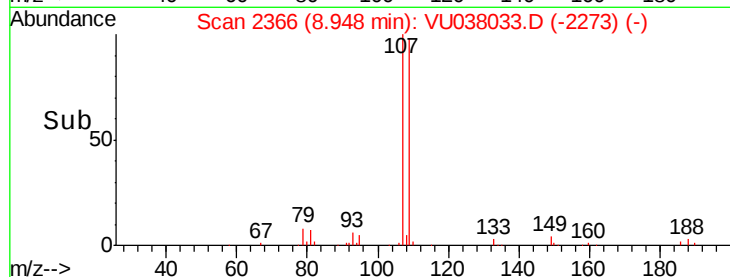
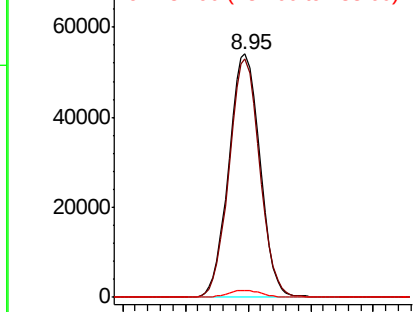
Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	107	Resp:	93584
Ion	Ratio	Lower	Upper
107	100		
109	98.0	65.1	120.9
188	2.9	2.6	4.0



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.546 ug/L

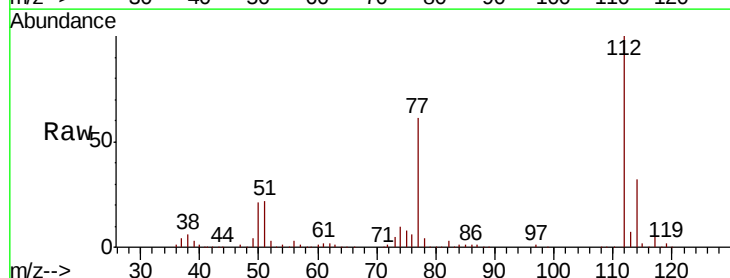
RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

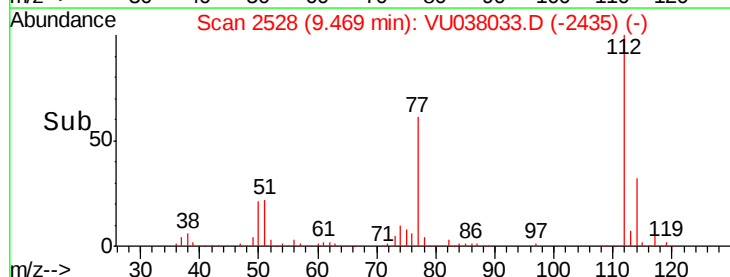
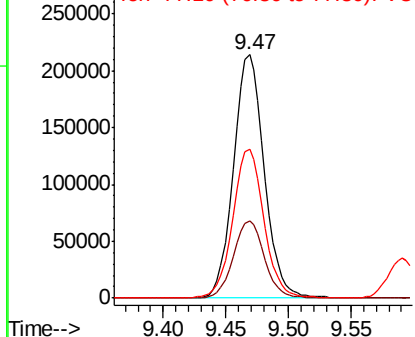
Lab File: VU038033.D

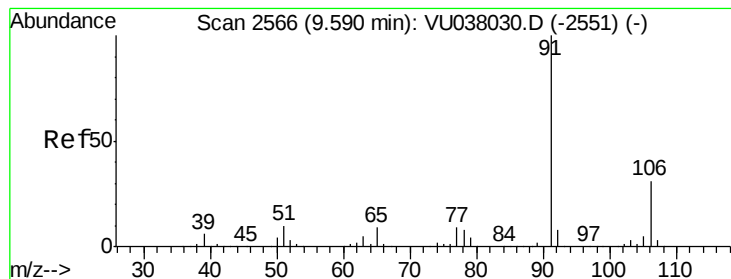
Acq: 07 May 2020 12:11

Tgt Ion:	112	Resp:	364093
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.5	41.7
77	61.0	49.9	74.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.592 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

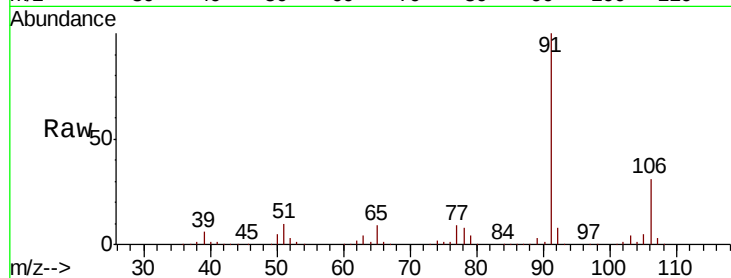
ClientSampleId :

Tot Ion: 91 Resp: 642053

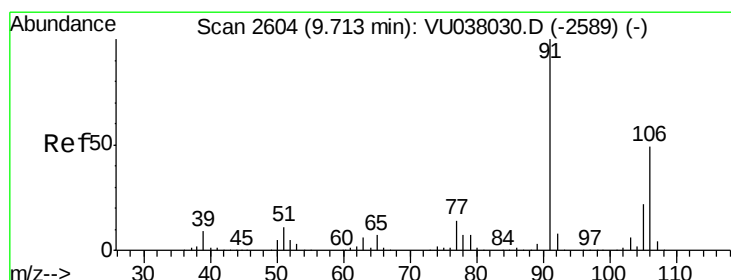
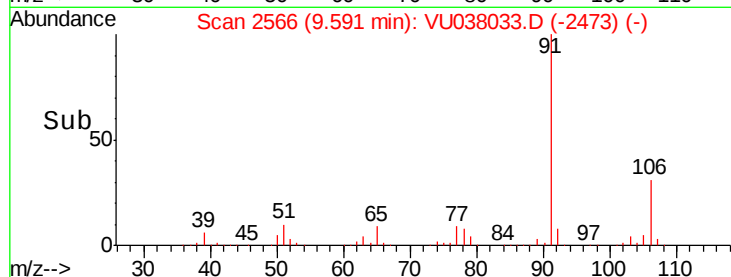
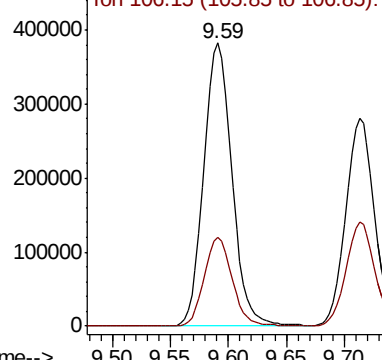
Ion Ratio Lower Upper

91 100

106 31.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038033.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.637 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038033.D

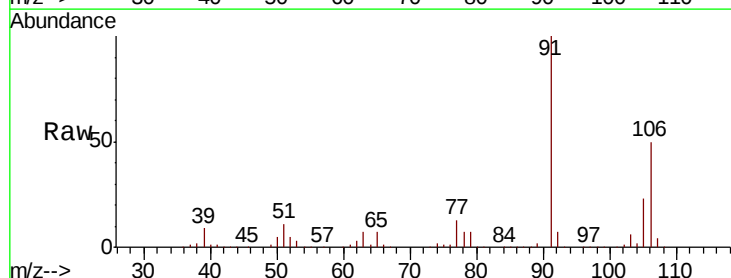
Acq: 07 May 2020 12:11

Tgt Ion: 106 Resp: 248570

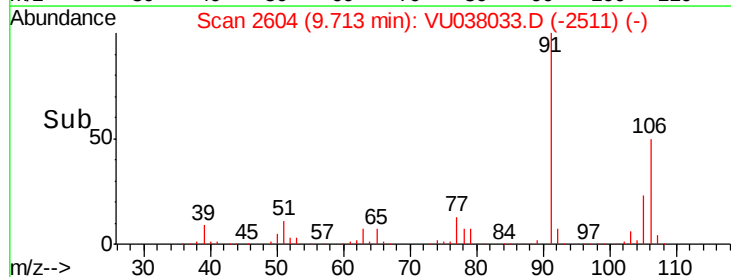
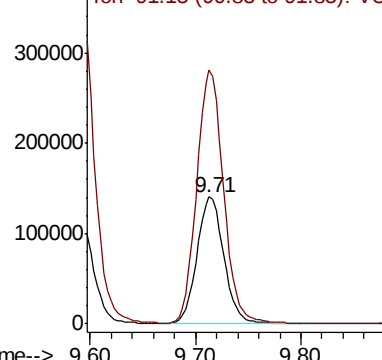
Ion Ratio Lower Upper

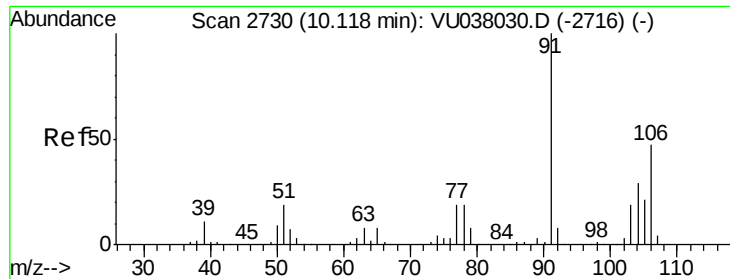
106 100

91 200.1 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038033.D (-2589) (-)

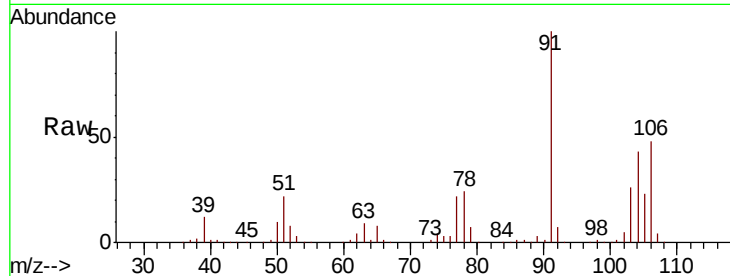




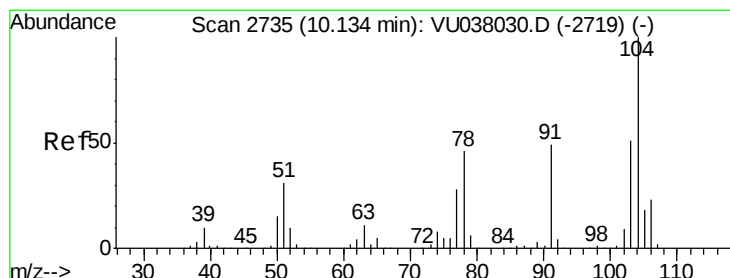
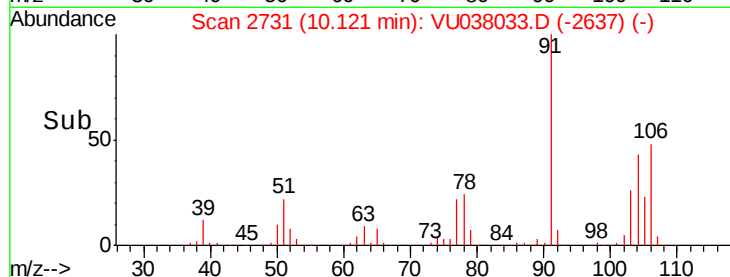
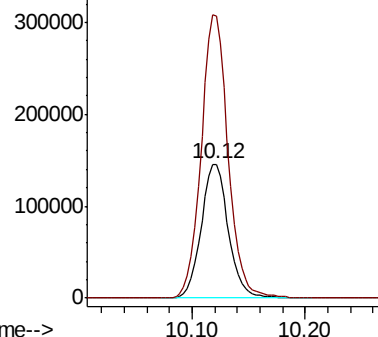
#54
o-Xylene
Concen: 4.684 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 242764
Ion Ratio Lower Upper
106 100
91 210.2 148.5 275.9

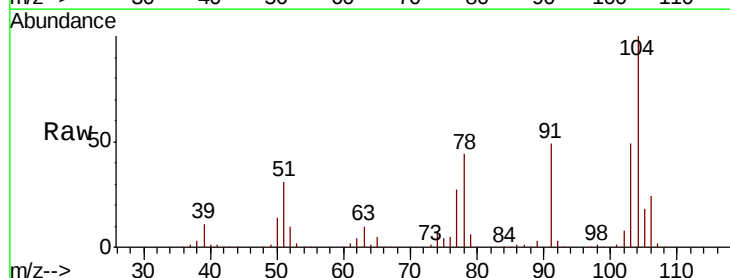


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

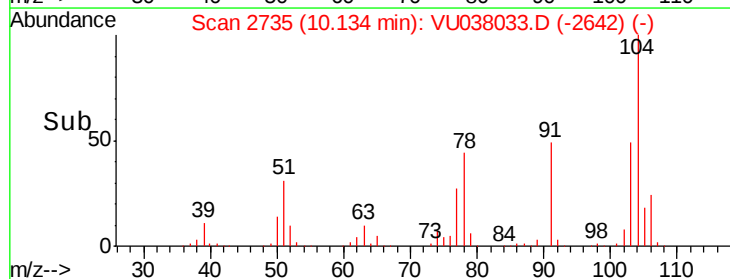
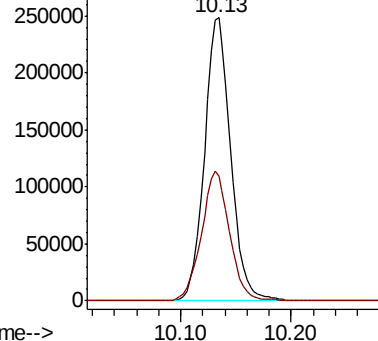


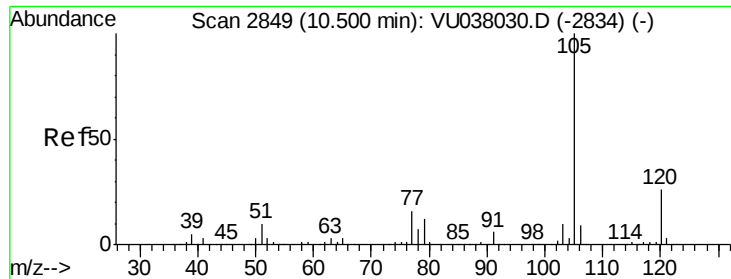
#55
Styrene
Concen: 4.692 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038033.D
Acq: 07 May 2020 12:11

Tgt Ion:104 Resp: 408244
Ion Ratio Lower Upper
104 100
78 44.2 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: 4.700 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

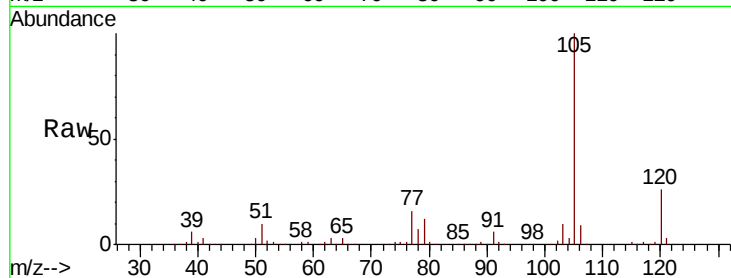
Tot Ion:105 Resp: 625716

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

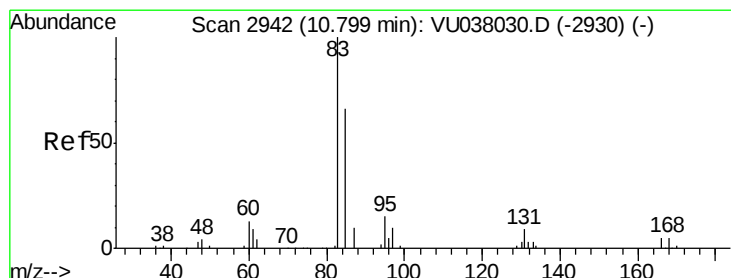
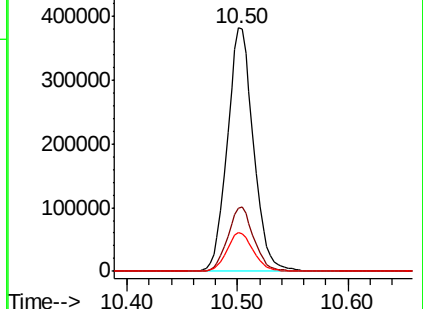
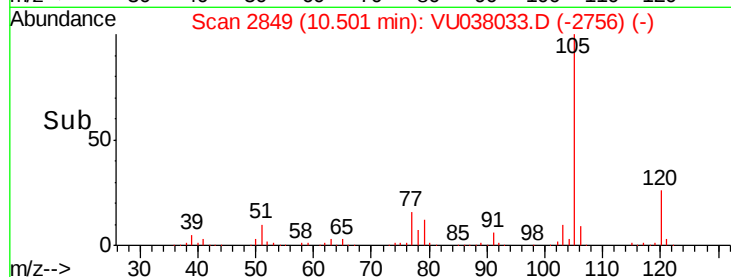
77 16.1 13.0 19.4



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: 4.284 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

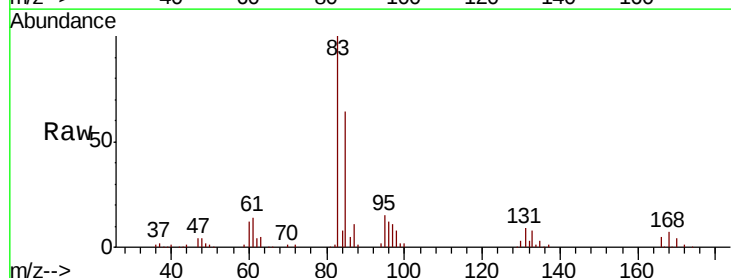
Tgt Ion: 83 Resp: 125424

Ion Ratio Lower Upper

83 100

85 64.3 47.0 87.2

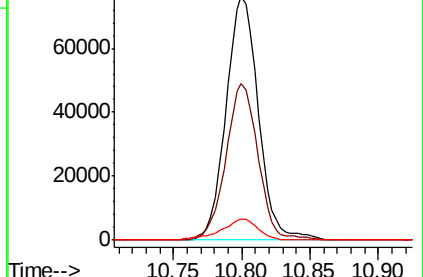
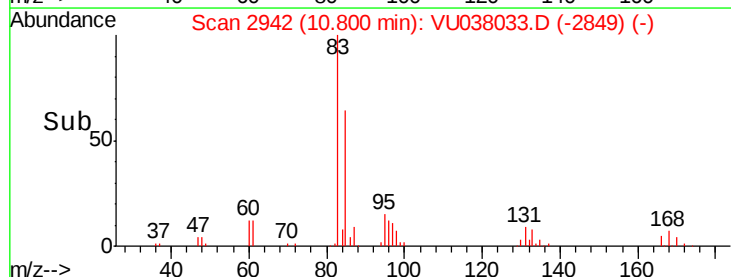
131 8.7 7.7 11.5

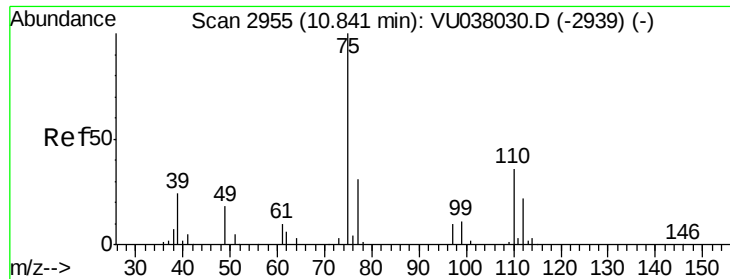


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.236 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

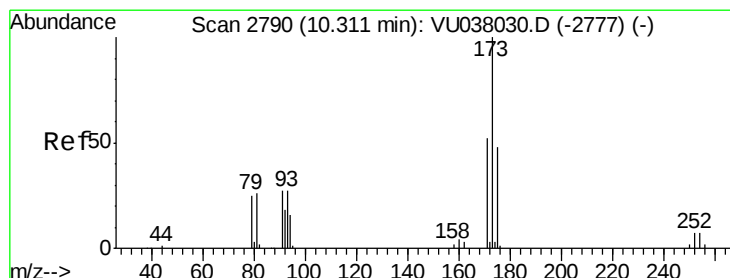
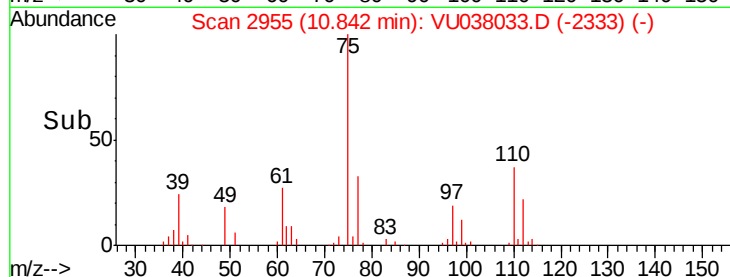
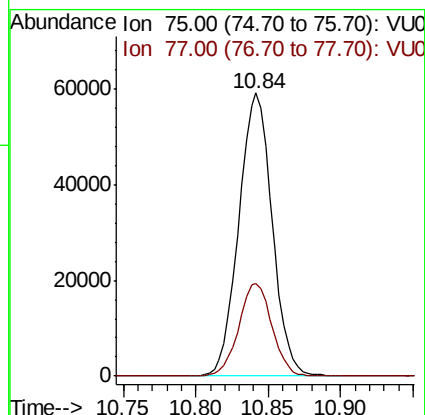
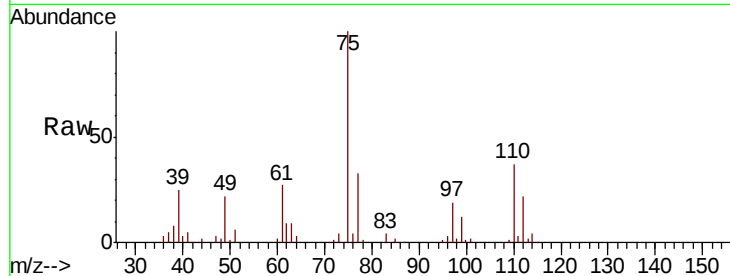
ClientSampleId :

Tot Ion: 75 Resp: 94423

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0



#61

Bromoform

Concen: 4.366 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

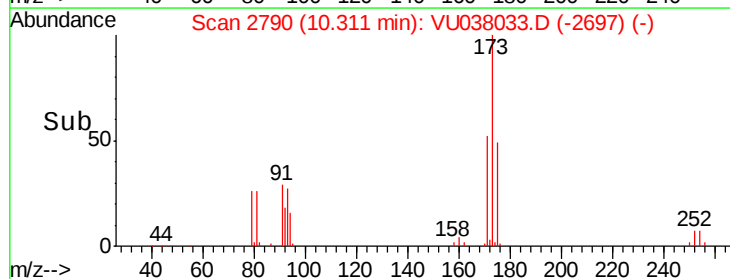
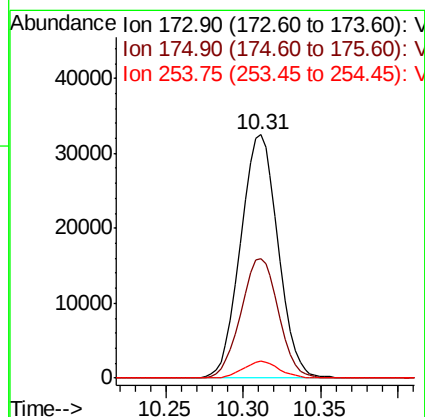
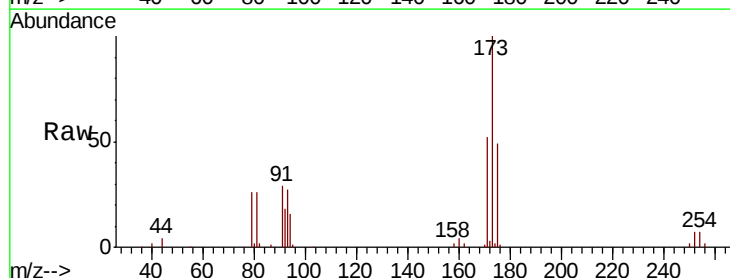
Tgt Ion: 173 Resp: 54775

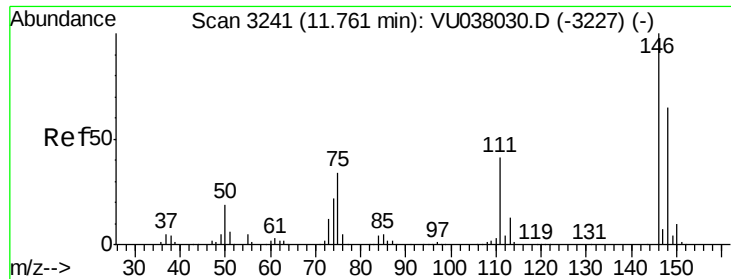
Ion Ratio Lower Upper

173 100

175 49.2 39.5 59.3

254 6.6 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 4.620 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

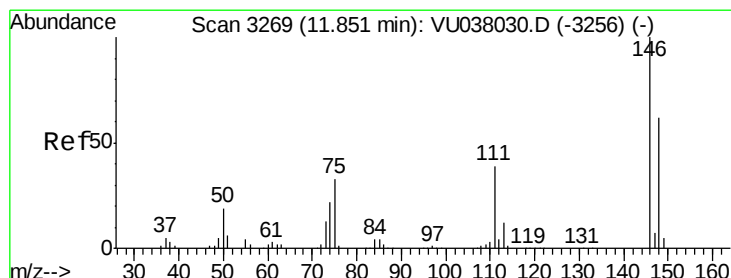
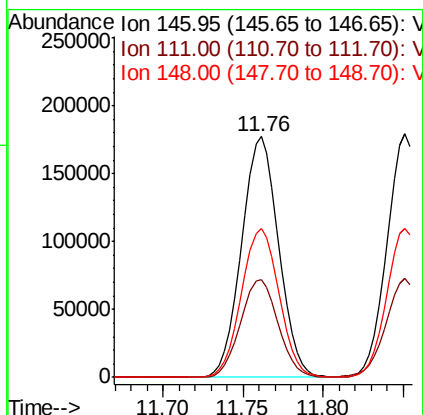
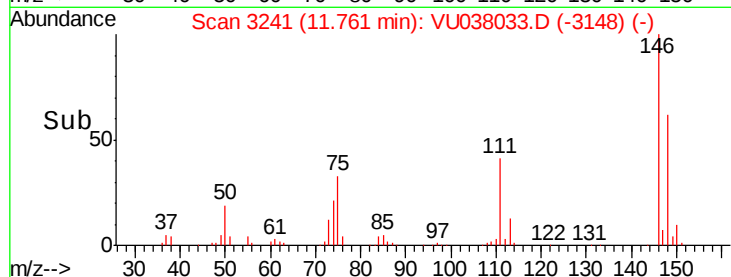
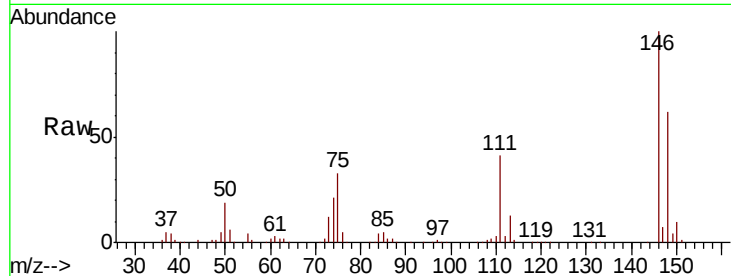
Tot Ion:146 Resp: 279040

Ion Ratio Lower Upper

146 100

111 40.6 28.6 53.2

148 61.5 45.2 84.0



#63

1,4-Dichlorobenzene

Concen: 4.587 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

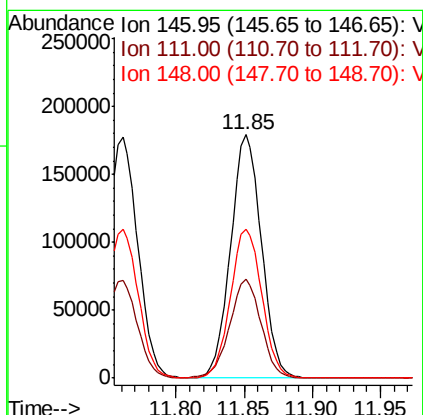
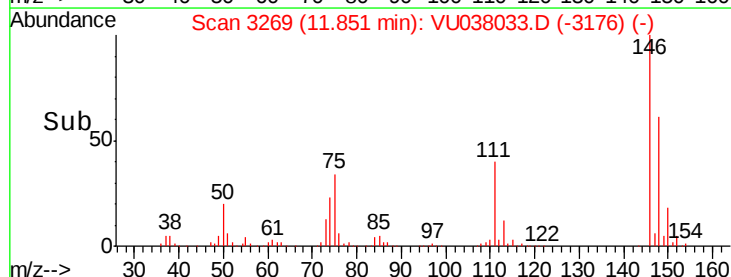
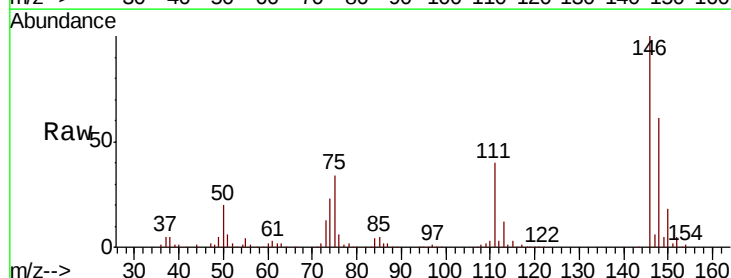
Tgt Ion:146 Resp: 280741

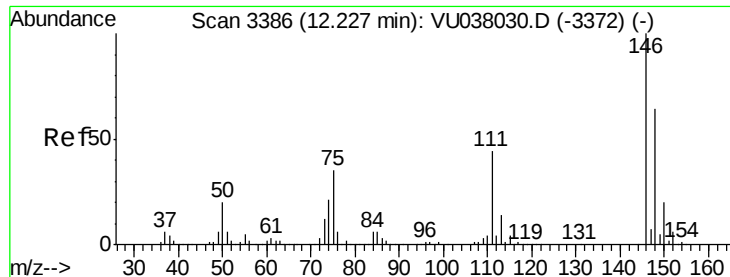
Ion Ratio Lower Upper

146 100

111 40.4 27.2 50.6

148 61.4 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 4.477 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

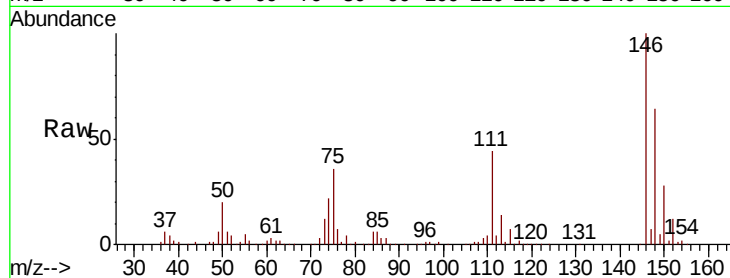
Tot Ion:146 Resp: 260139

Ion Ratio Lower Upper

146 100

111 43.5 35.3 52.9

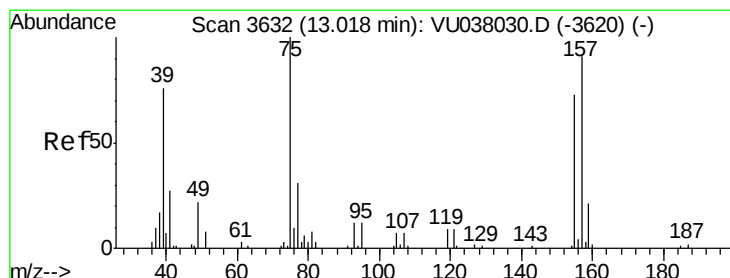
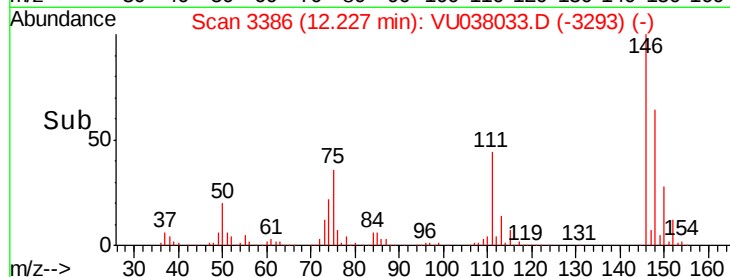
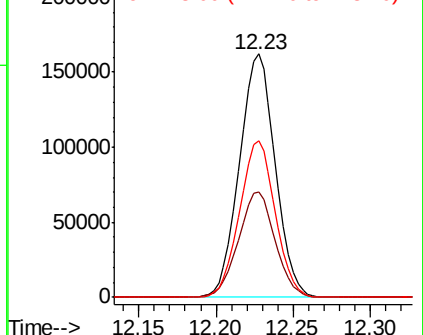
148 64.4 51.0 76.4



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: 4.282 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

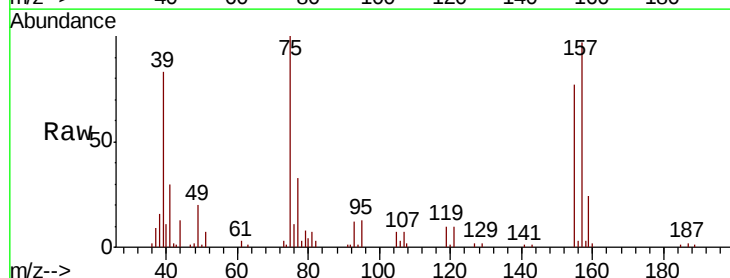
Tgt Ion: 75 Resp: 20334

Ion Ratio Lower Upper

75 100

155 76.6 58.2 87.2

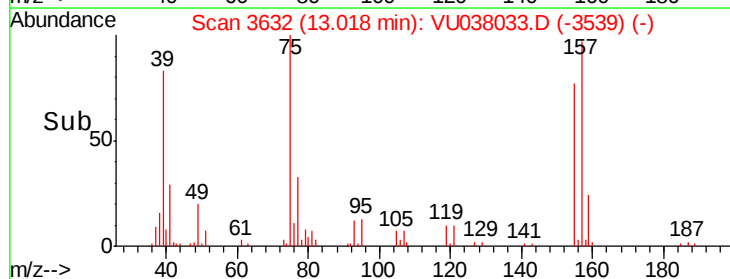
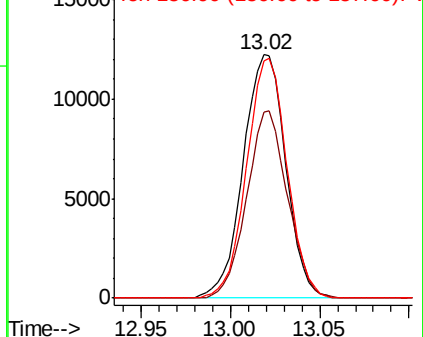
157 97.4 72.9 109.3

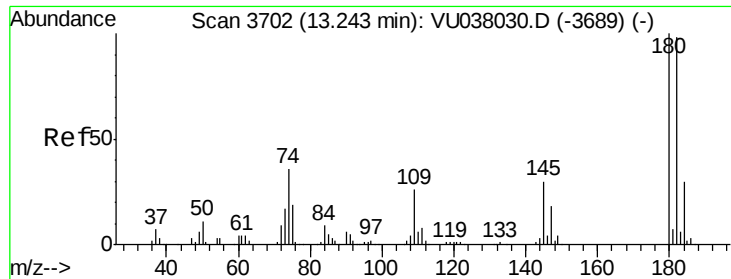


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

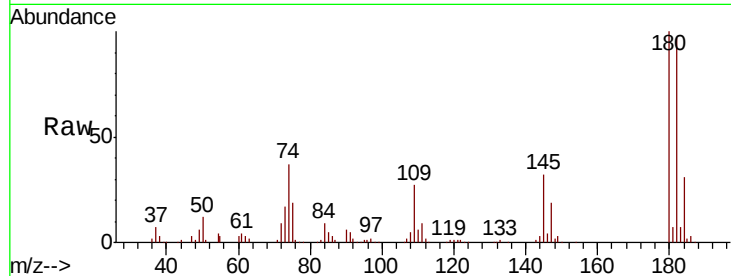




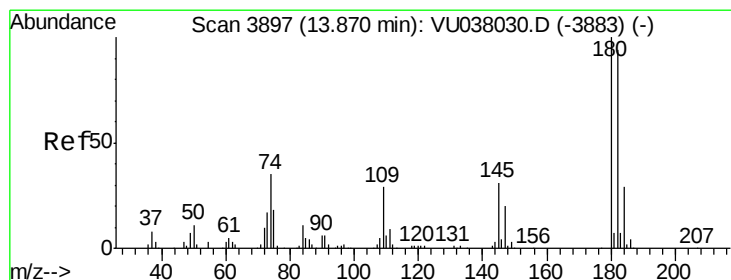
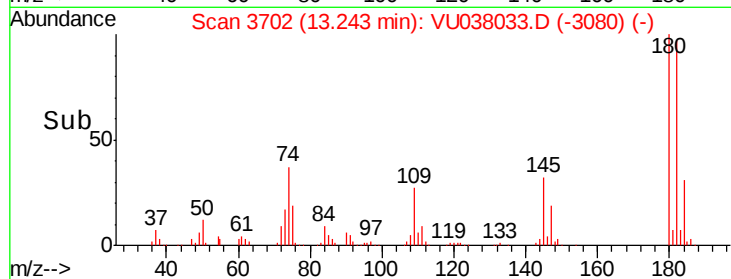
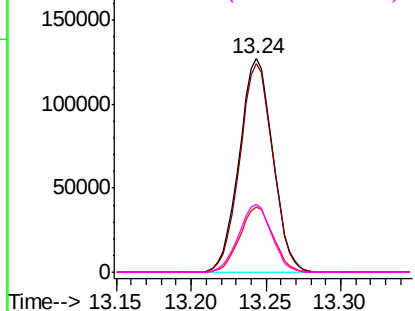
#67
 1,3,5-Trichlorobenzene
 Concen: 4.543 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	199082
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
184	30.2	24.2	36.2
145	31.2	24.0	36.0

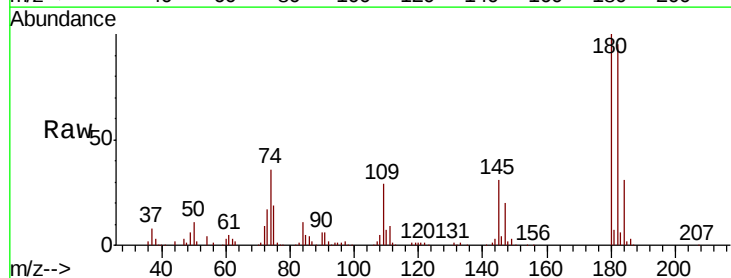


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

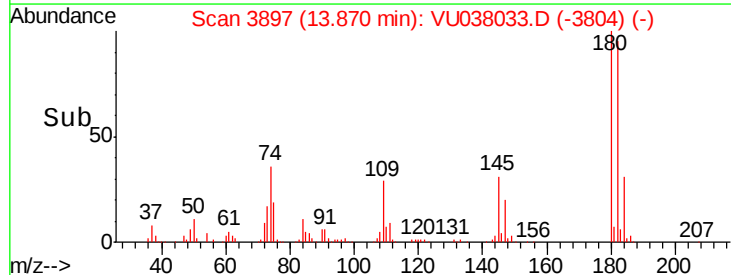
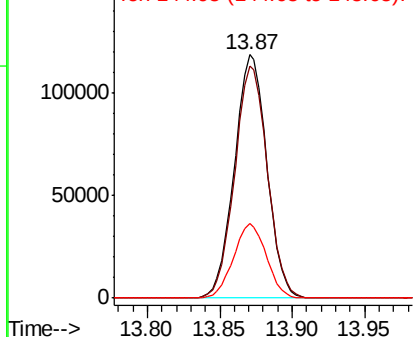


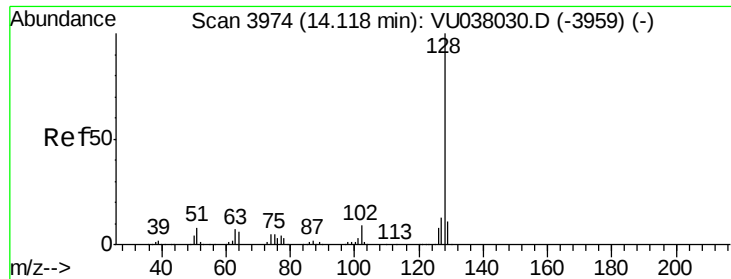
#68
 1,2,4-trichlorobenzene
 Concen: 4.639 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU038033.D
 Acq: 07 May 2020 12:11

Tgt Ion:	180	Resp:	184377
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.0	112.6
145	31.0	24.8	37.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.813 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

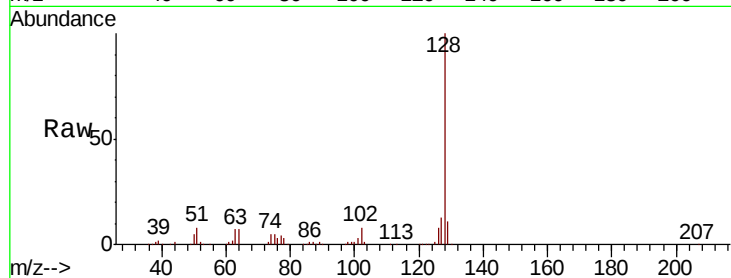
Tot Ion:128 Resp: 402789

Ion Ratio Lower Upper

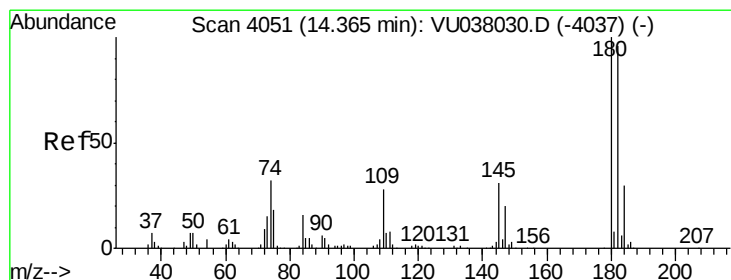
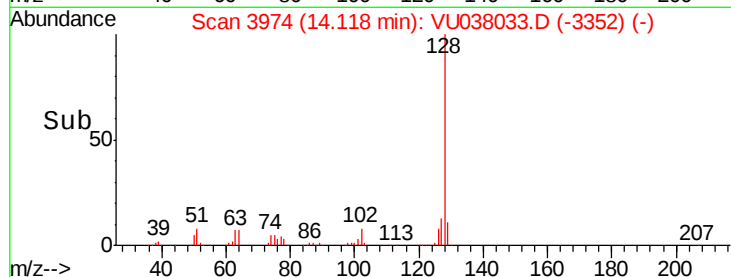
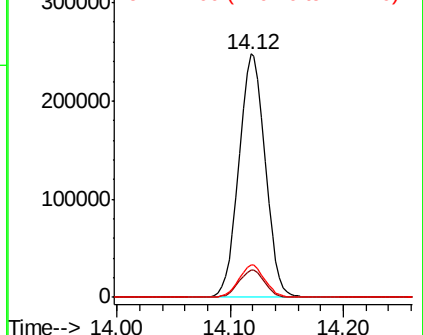
128 100

129 11.0 8.7 13.1

127 13.0 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: 4.657 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU038033.D

Acq: 07 May 2020 12:11

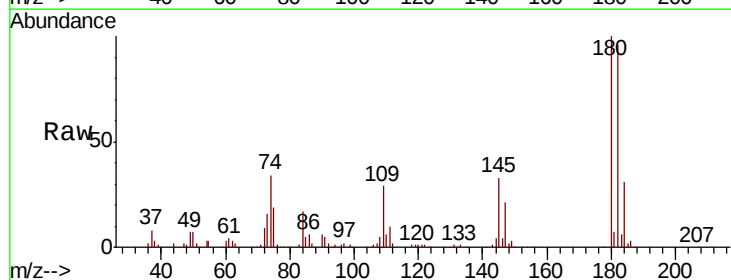
Tgt Ion:180 Resp: 172071

Ion Ratio Lower Upper

180 100

182 96.2 76.3 114.5

145 33.9 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

