

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052220\
 Data File : VU038289.D
 Acq On : 22 May 2020 19:48
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 22 22:22:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	302909	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	295703	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150691	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	99173	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.93	69	86852	3.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.40%
11) 1,1-Dichloroethene-d2	2.59	63	206536	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.67	46	366356	53.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.18%
24) Chloroform-d	5.10	84	208294	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.74	65	118465	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.76	84	422570	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.72	67	133567	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.92	98	384498	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	8.20	79	56525	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
46) 2-Hexanone-d5	8.65	63	282691	52.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112634	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	150505	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	144998	5.234	ug/L	99
3) Chloromethane	1.53	50	132944	3.982	ug/L	98
5) Vinyl chloride	1.62	62	145469	4.447	ug/L	99
6) Bromomethane	1.87	94	62803	3.372	ug/L	98
8) Chloroethane	1.95	64	84056	4.177	ug/L	98
9) Trichlorofluoromethane	2.16	101	177792	5.315	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	106854	5.153	ug/L	97
12) 1,1-Dichloroethene	2.60	96	110321	5.248	ug/L	92
13) Acetone	2.67	43	230834	53.821	ug/L	99
14) Carbon disulfide	2.82	76	373279	4.978	ug/L	100
15) Methyl Acetate	2.98	43	62629	5.220	ug/L	100
16) Methylene chloride	3.08	84	127626	5.209	ug/L	94
17) Methyl tert-butyl Ether	3.40	73	309153	5.293	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	121779	5.306	ug/L	98
19) 1,1-Dichloroethane	3.91	63	224654	5.012	ug/L	98
21) 2-Butanone	4.75	43	409484	54.092	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	133763	5.409	ug/L	93

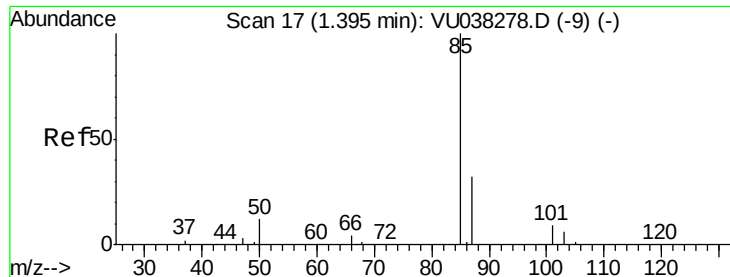
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052220\
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 QLast Update : Fri May 22 22:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	58059	5.455	ug/L	91
25) Chloroform	5.13	83	226202	5.410	ug/L	96
27) 1,2-Dichloroethane	5.83	62	152039	5.152	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	186983	5.519	ug/L	97
30) Cyclohexane	5.42	56	206060	5.151	ug/L	99
31) Carbon tetrachloride	5.56	117	152526	5.601	ug/L	98
33) Benzene	5.81	78	513025	5.418	ug/L	100
34) Trichloroethene	6.57	95	124955	5.276	ug/L	98
35) Methylcyclohexane	6.79	83	200036	5.214	ug/L	96
37) 1,2-Dichloropropane	6.82	63	131625	5.117	ug/L	98
38) Bromodichloromethane	7.13	83	159933	5.379	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	190416	5.173	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	936569	52.538	ug/L	99
42) Toluene	7.99	91	535303	5.355	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	167218	5.342	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	94238	5.276	ug/L	97
47) Tetrachloroethene	8.57	164	89030	5.374	ug/L	98
48) 2-Hexanone	8.71	43	690517	52.893	ug/L	99
49) Dibromochloromethane	8.83	129	101826	5.493	ug/L	99
50) 1,2-Dibromoethane	8.94	107	90175	5.440	ug/L	99
51) Chlorobenzene	9.46	112	332130	5.354	ug/L	99
52) Ethylbenzene	9.59	91	585100	5.404	ug/L	100
53) m,p-Xylene	9.71	106	229759	5.534	ug/L	99
54) o-Xylene	10.12	106	218365	5.440	ug/L	97
55) Styrene	10.13	104	375925	5.578	ug/L	99
56) Isopropylbenzene	10.50	105	563470	5.464	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	117606	5.186	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	90507	5.243	ug/L	99
61) Bromoform	10.31	173	54807	5.381	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	256426	5.230	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	255475	5.142	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	243074	5.153	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18458	4.788	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	188935	5.310	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	173198	5.367	ug/L	99
69) Naphthalene	14.11	128	365705	5.383	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	161908	5.398	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.234 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

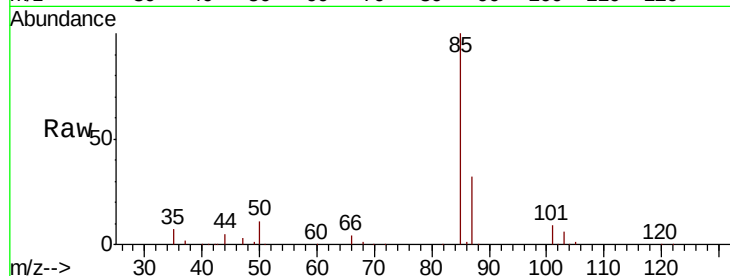
ClientSampleId :

Tot Ion: 85 Resp: 144998

Ion Ratio Lower Upper

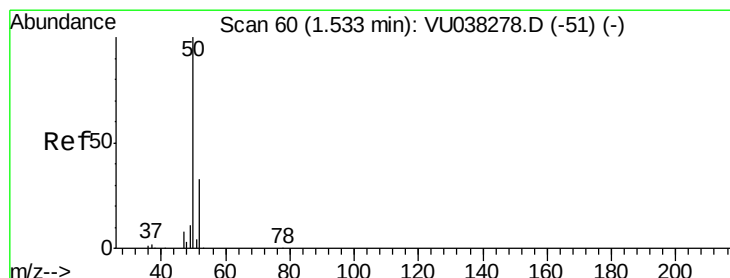
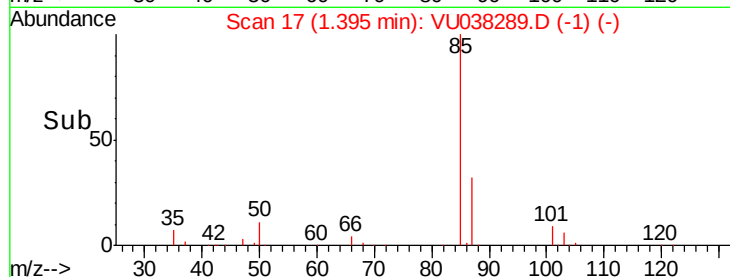
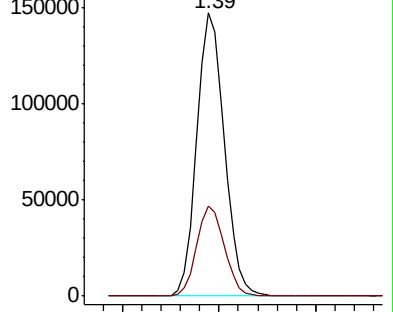
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038278.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038278.D (-9) (-)



#3

Chloromethane

Concen: 3.982 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038289.D

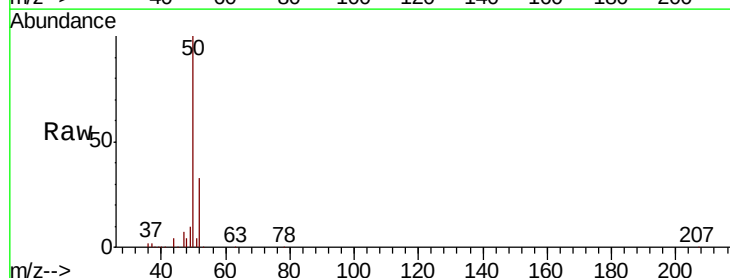
Acq: 22 May 2020 19:48

Tgt Ion: 50 Resp: 132944

Ion Ratio Lower Upper

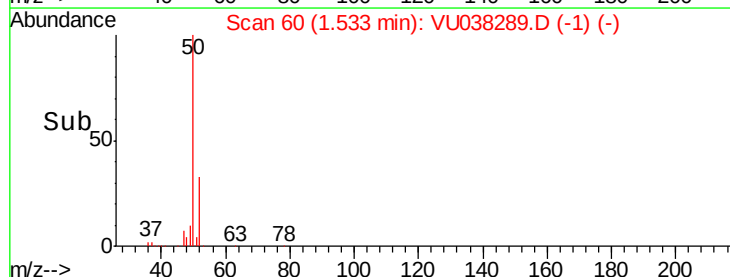
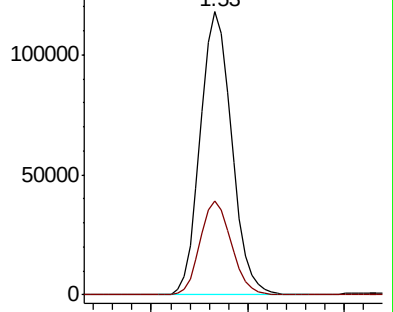
50 100

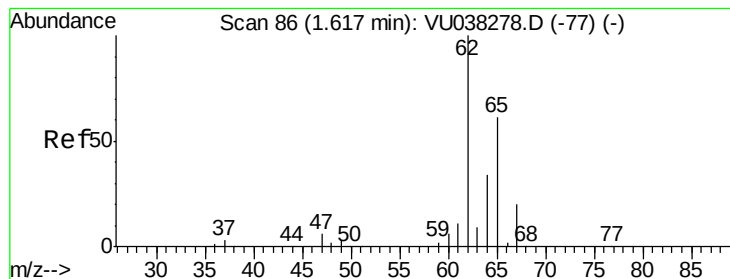
52 33.3 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038278.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038278.D (-51) (-)





#5

Vinyl chloride

Concen: 4.447 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

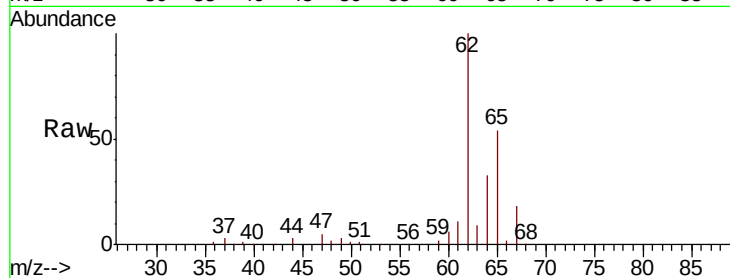
ClientSampleId :

Tot Ion: 62 Resp: 145469

Ion Ratio Lower Upper

62 100

64 33.1 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

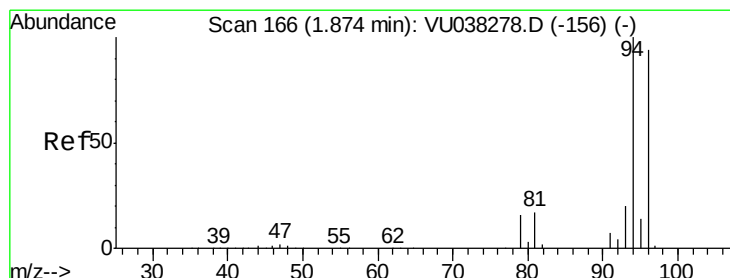
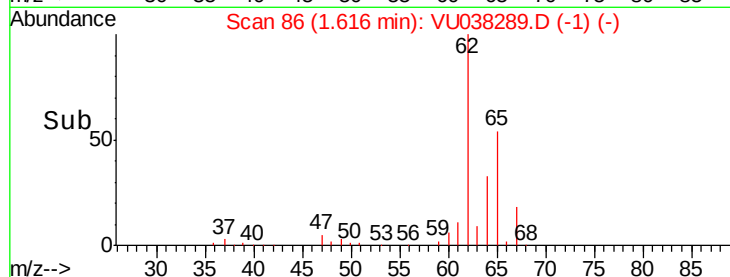
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 3.372 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038289.D

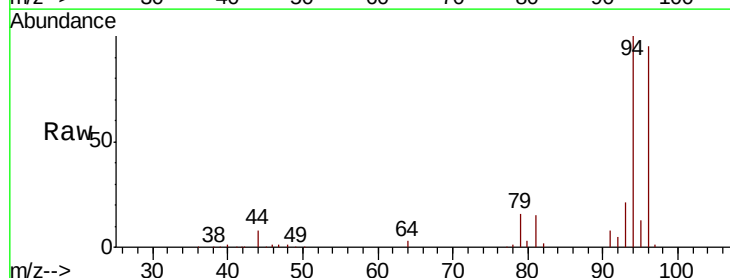
Acq: 22 May 2020 19:48

Tgt Ion: 94 Resp: 62803

Ion Ratio Lower Upper

94 100

96 94.7 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

50000

40000

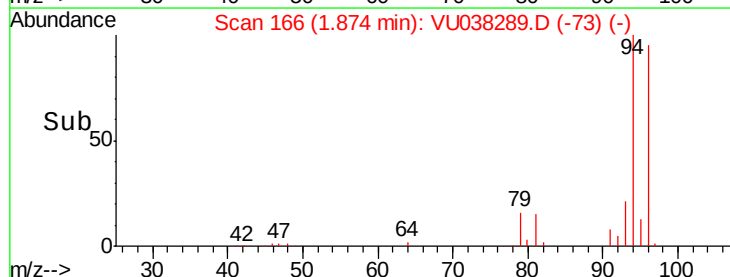
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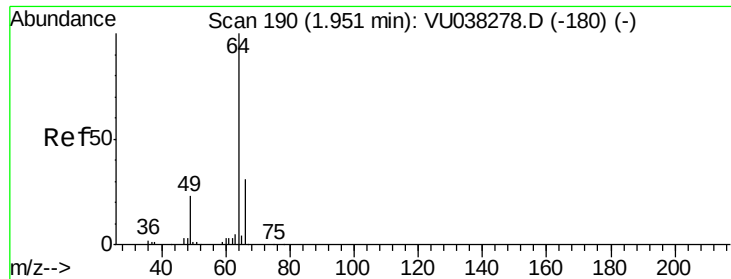
20000

10000

0

Time--> 1.80 1.85 1.90 1.95

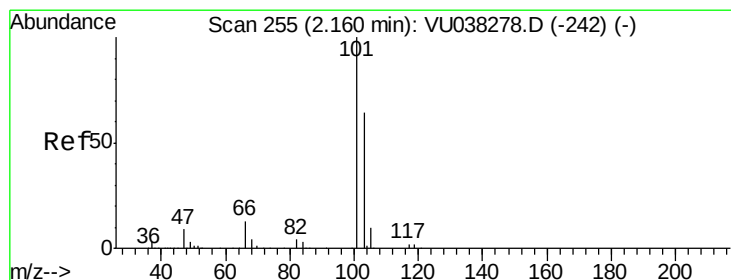
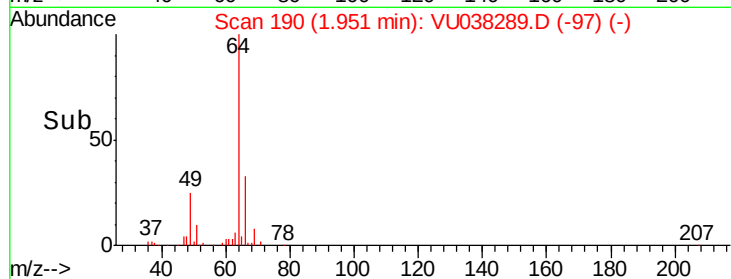
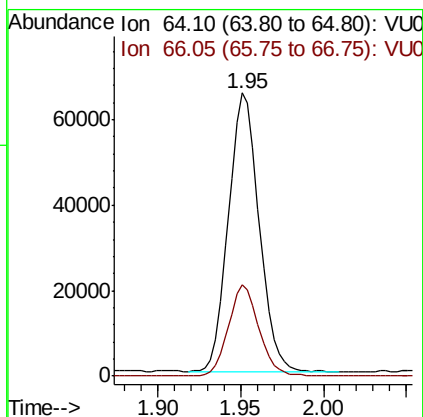
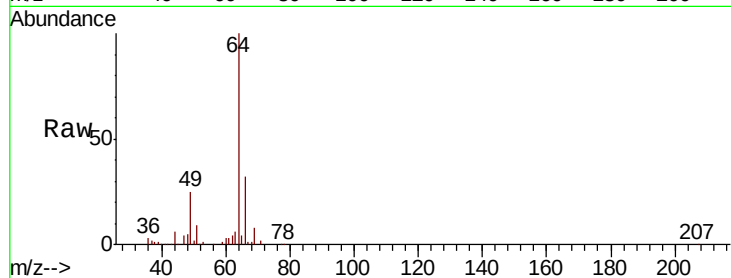




#8
Chloroethane
Concen: 4.177 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

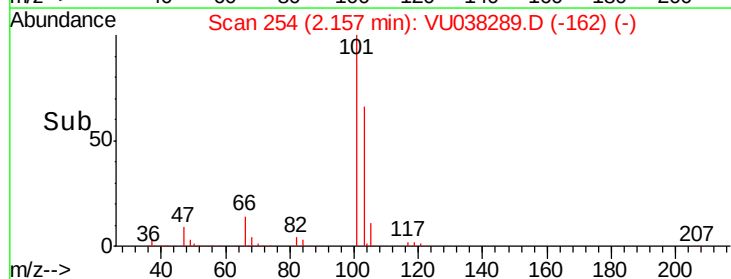
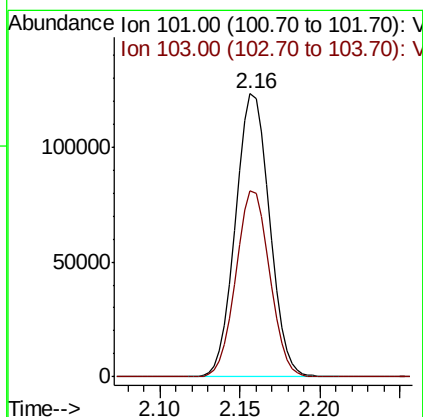
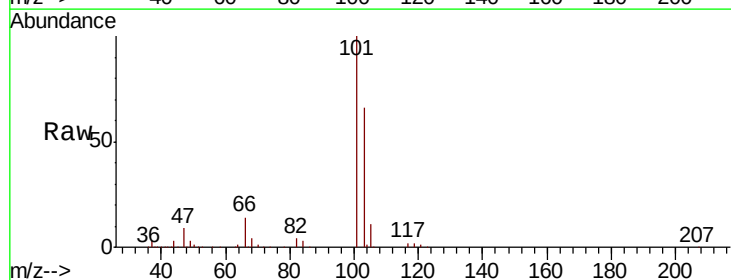
Instrument :
MSVOA_U
ClientSampleId :

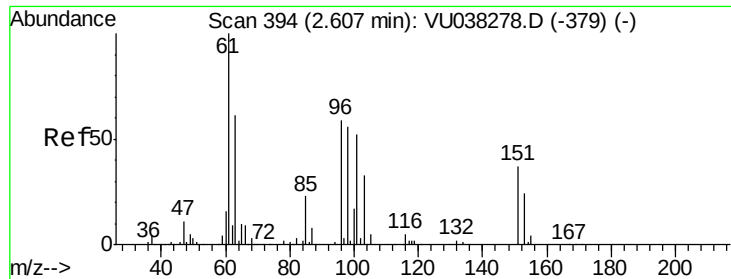
Tot Ion: 64 Resp: 84056
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 5.315 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion:101 Resp: 177792
Ion Ratio Lower Upper
101 100
103 65.2 51.0 76.4





#10

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

Concen: 5.153 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

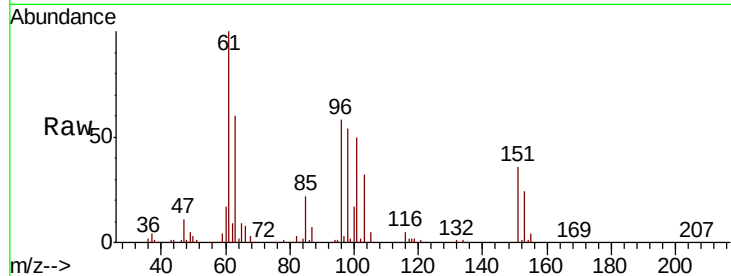
Tot Ion:101 Resp: 106854

Ion Ratio Lower Upper

101 100

85 44.5 35.3 52.9

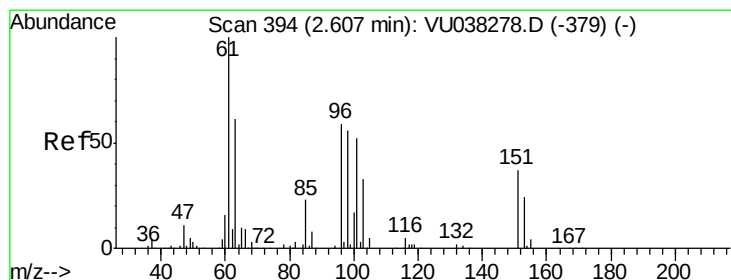
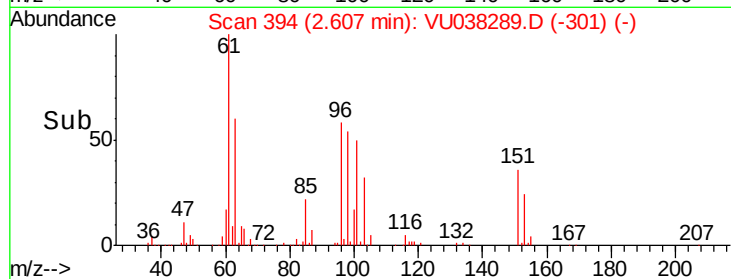
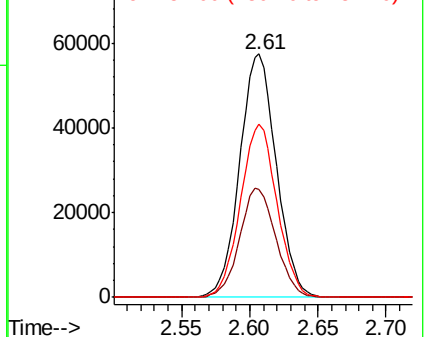
151 71.0 54.2 81.2



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: 5.248 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

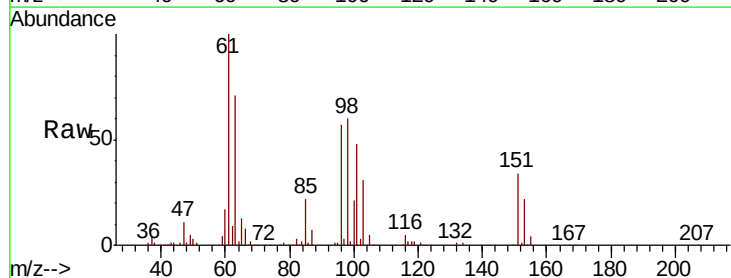
Tgt Ion: 96 Resp: 110321

Ion Ratio Lower Upper

96 100

61 174.7 126.2 234.4

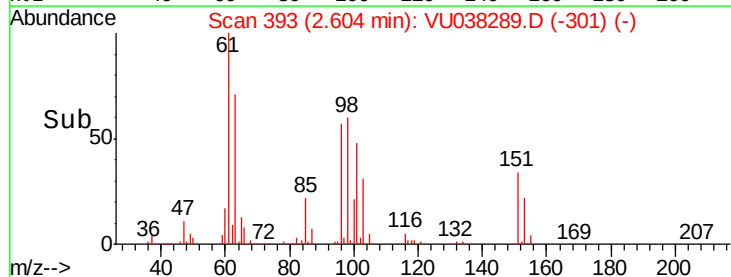
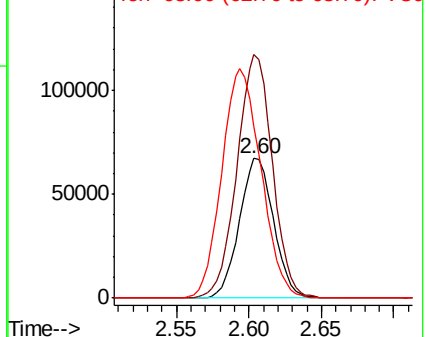
63 123.3 96.9 179.9

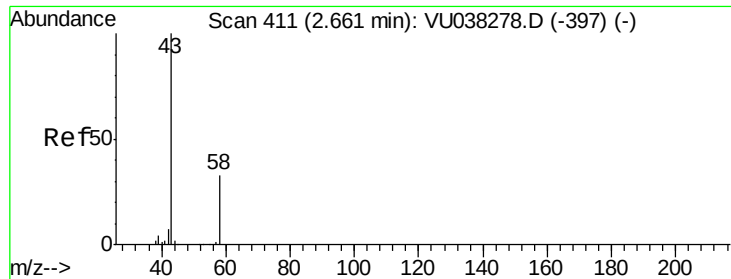


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.821 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

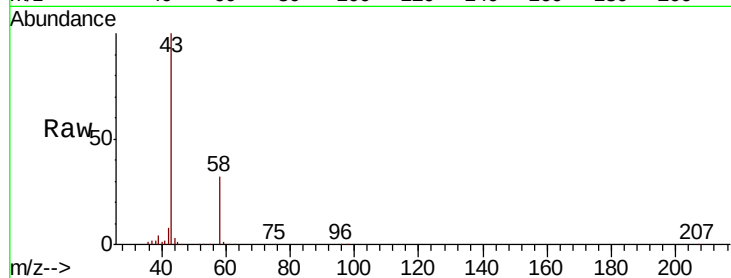
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 230834

Ion Ratio Lower Upper

43 100

58 32.6 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038278.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU038278.D (-397) (-)

2.67

100000

80000

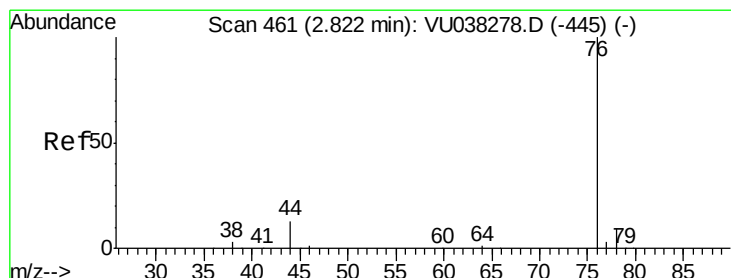
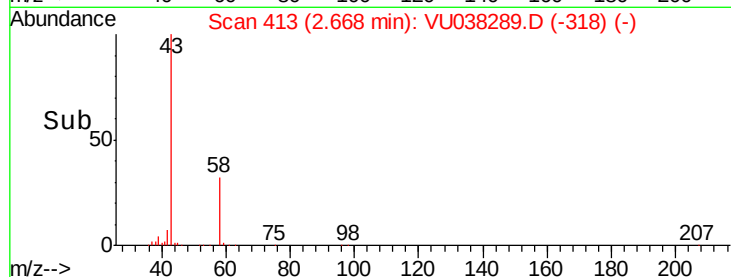
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 4.978 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038289.D

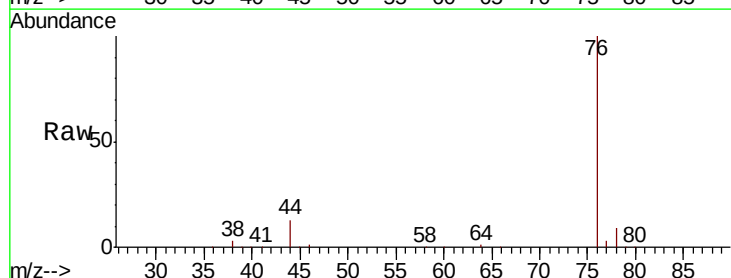
Acq: 22 May 2020 19:48

Tgt Ion: 76 Resp: 373279

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038278.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038278.D (-445) (-)

2.82

250000

200000

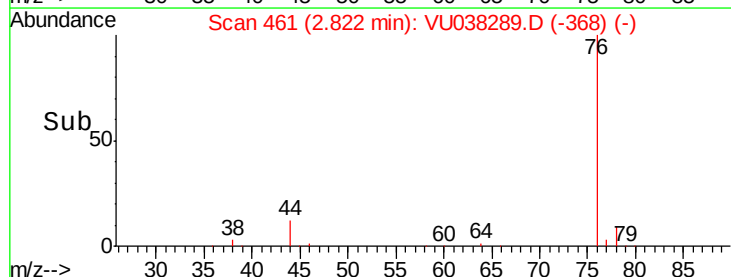
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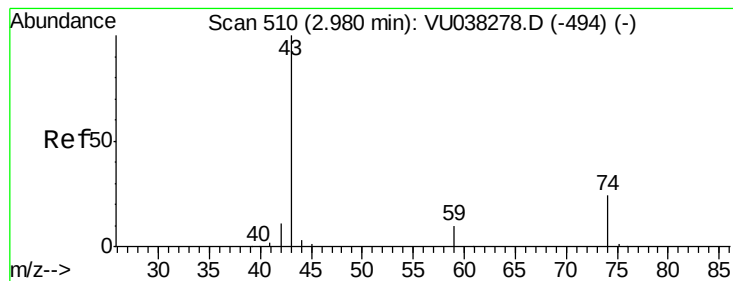
100000

50000

0

Time-->





#15

Methyl Acetate

Concen: 5.220 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

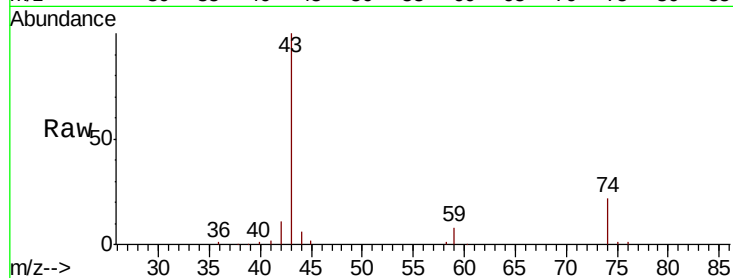
ClientSampleId :

Tot Ion: 43 Resp: 62629

Ion Ratio Lower Upper

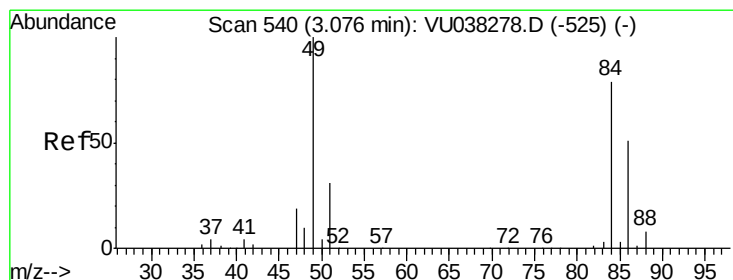
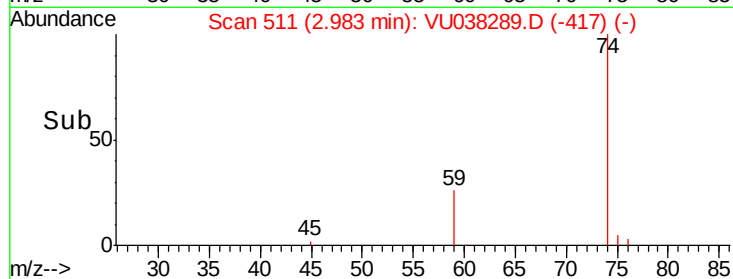
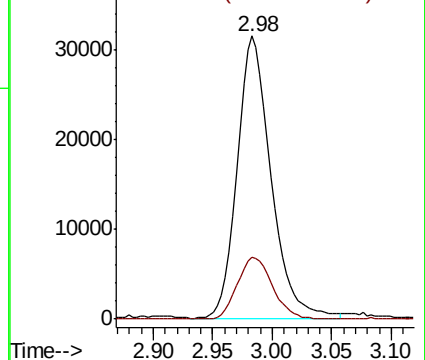
43 100

74 22.4 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: 5.209 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

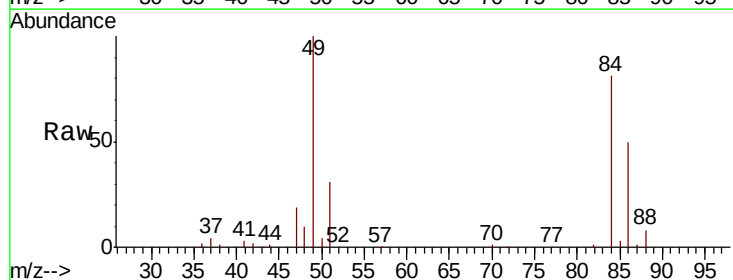
Tgt Ion: 84 Resp: 127626

Ion Ratio Lower Upper

84 100

86 61.2 44.9 83.3

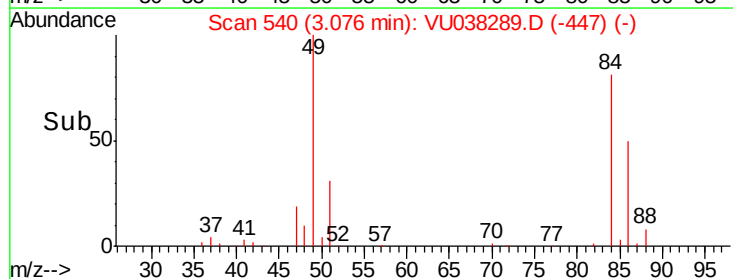
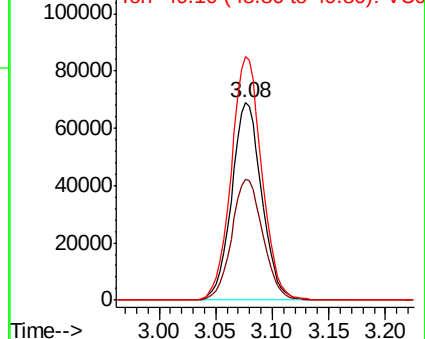
49 123.3 92.0 170.9

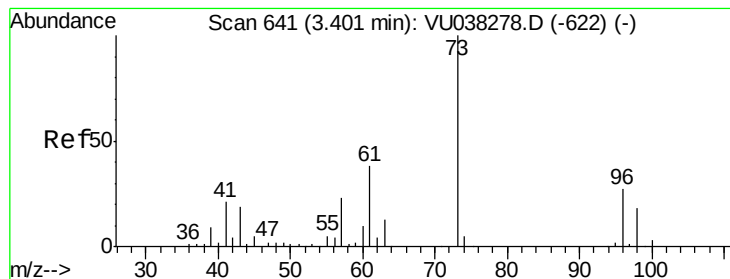


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



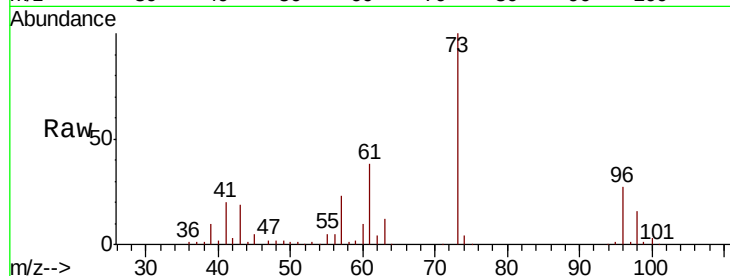


#17

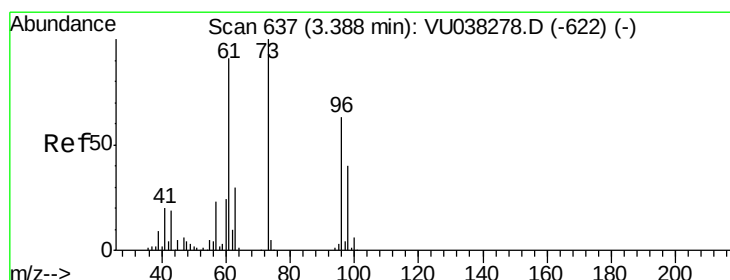
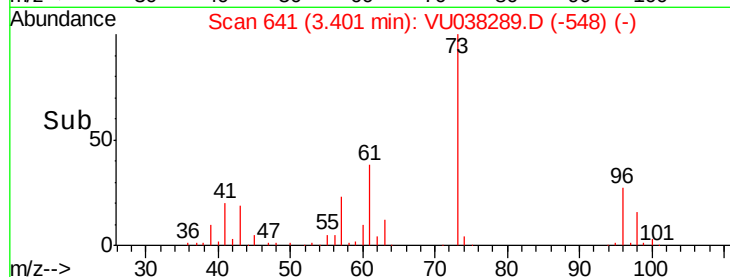
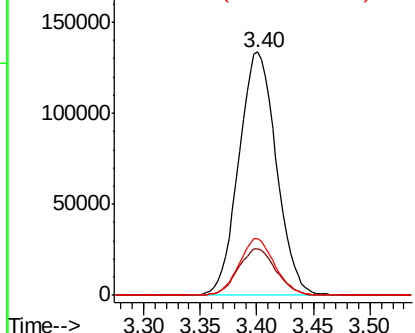
Methyl tert-butyl Ether
 Concen: 5.293 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	19.5	16.9	25.3
57	22.3	18.2	27.2



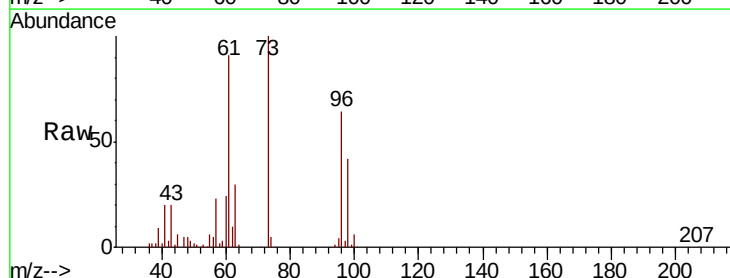
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



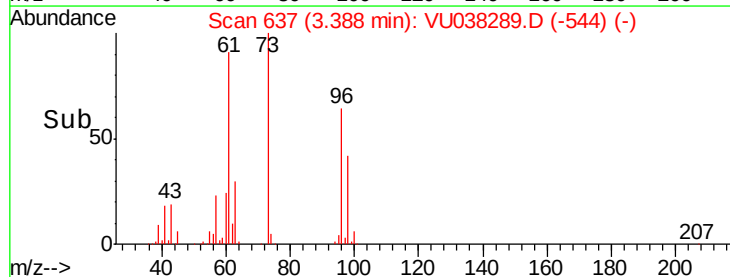
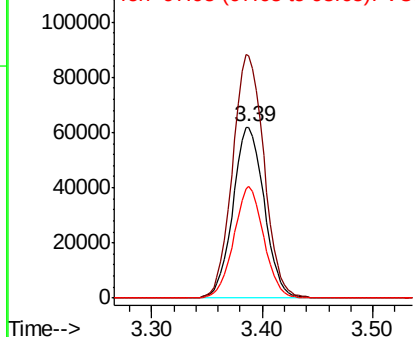
#18

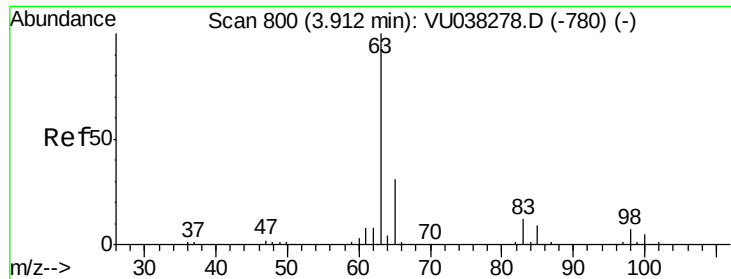
trans-1,2-Dichloroethene
 Concen: 5.306 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.7	102.1	189.5
98	65.5	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

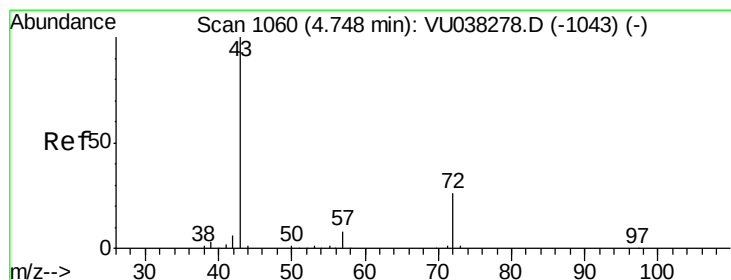
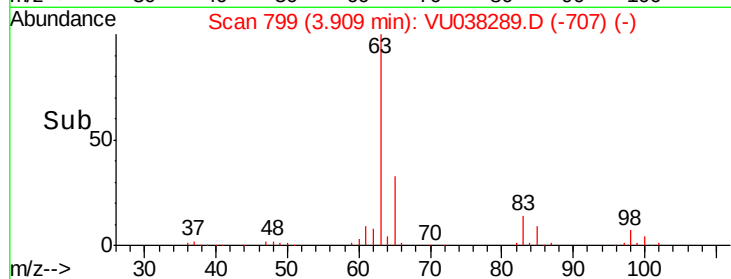
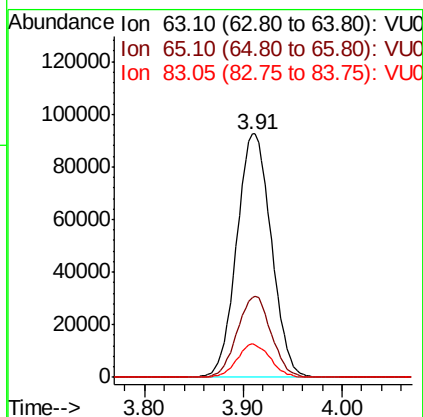
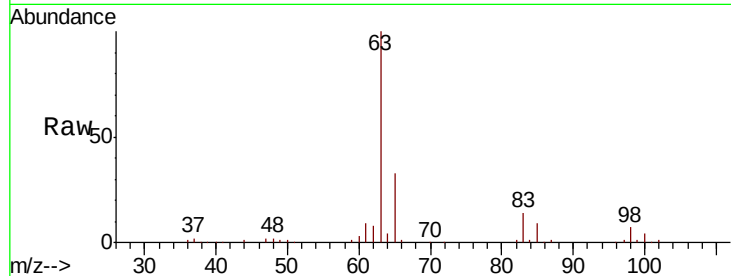




#19
 1,1-Dichloroethane
 Concen: 5.012 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

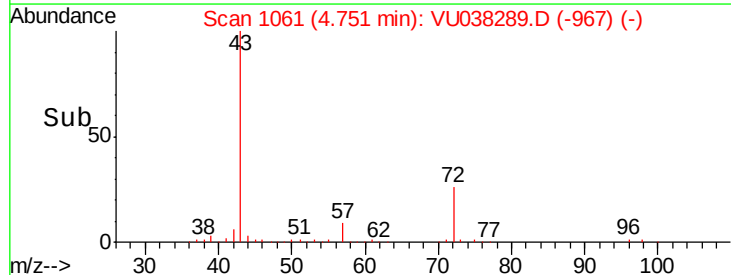
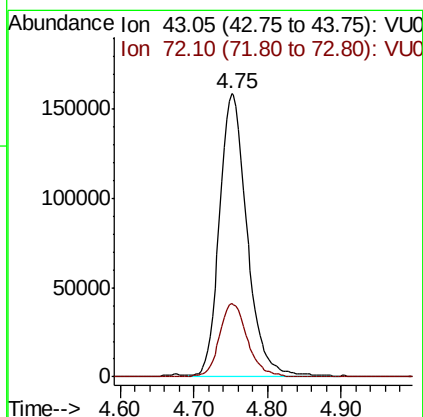
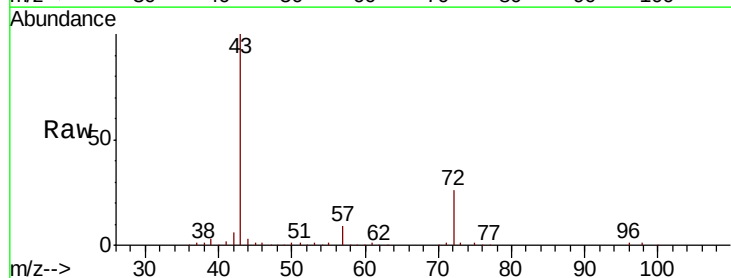
Instrument :
 MSVOA_U
 ClientSampleId :

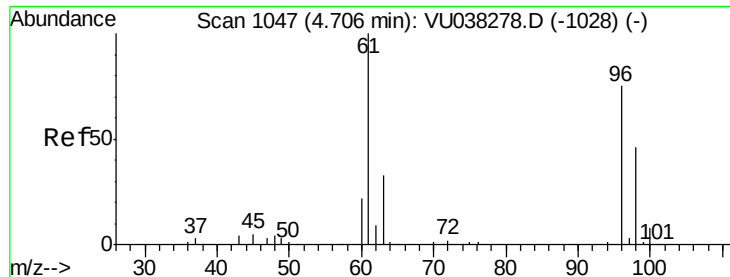
Tot Ion: 63 Resp: 224654
 Ion Ratio Lower Upper
 63 100
 65 32.7 22.5 41.7
 83 13.8 8.9 16.5



#21
 2-Butanone
 Concen: 54.092 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 43 Resp: 409484
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 5.409 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :
MSVOA_U
ClientSampled :

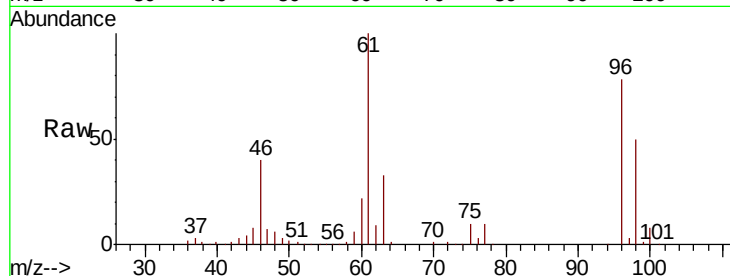
Tot Ion: 96 Resp: 133763

Ion Ratio Lower Upper

96 100

61 127.7 95.3 176.9

68 0.0 0.0 0.0

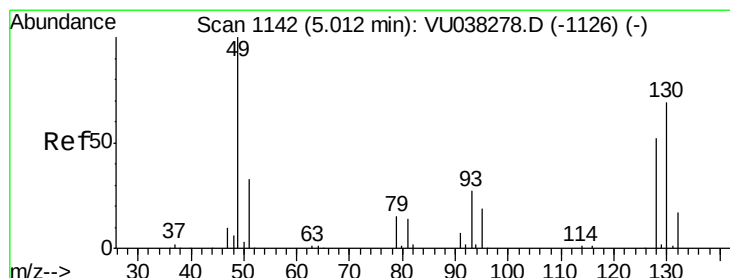
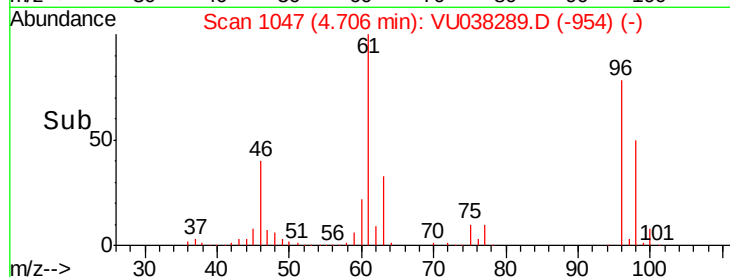
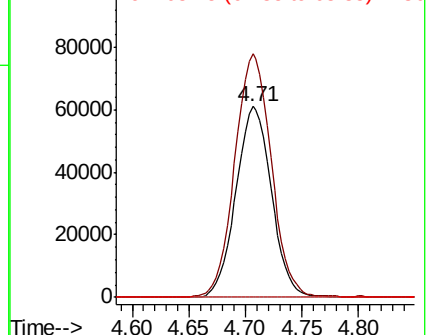


Abundance

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: 5.455 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Tgt Ion: 128 Resp: 58059

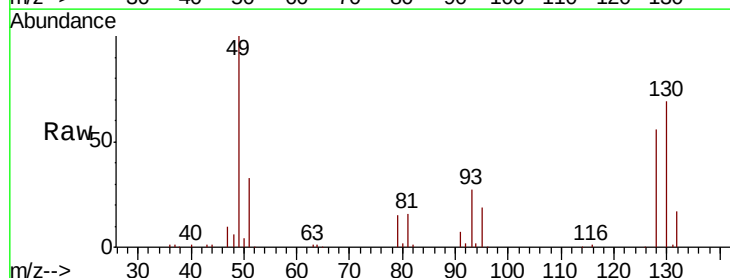
Ion Ratio Lower Upper

128 100

49 177.7 135.6 251.8

130 122.1 91.4 169.8

51 58.2 49.6 74.4



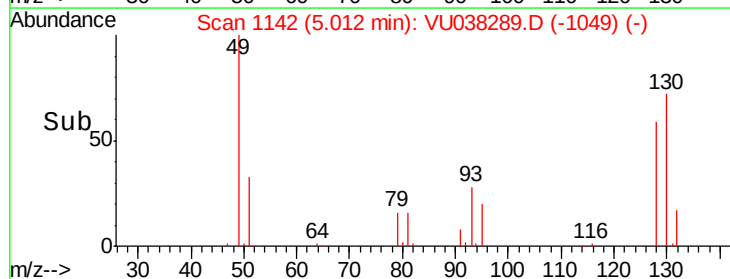
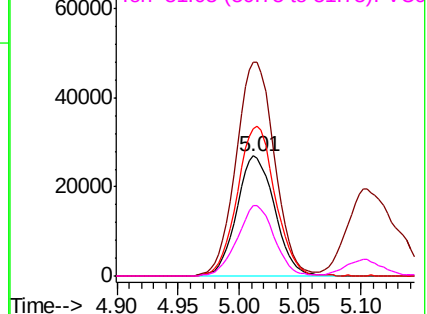
Abundance

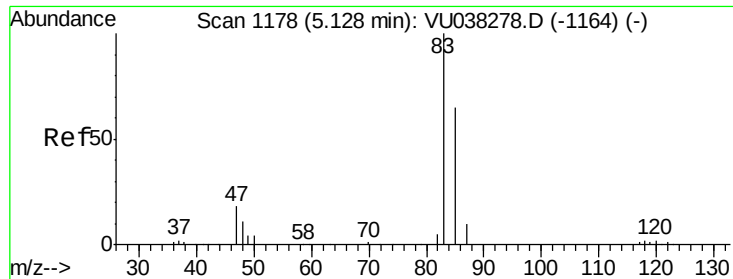
Ion 127.90 (127.60 to 128.60): V

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

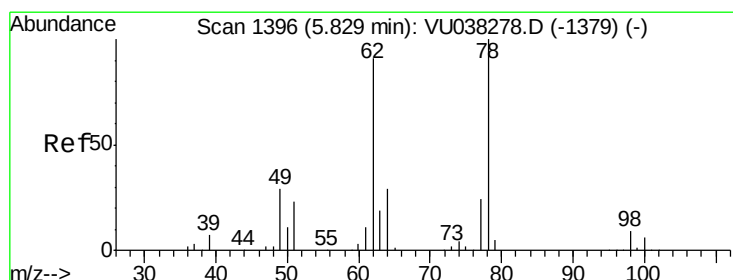
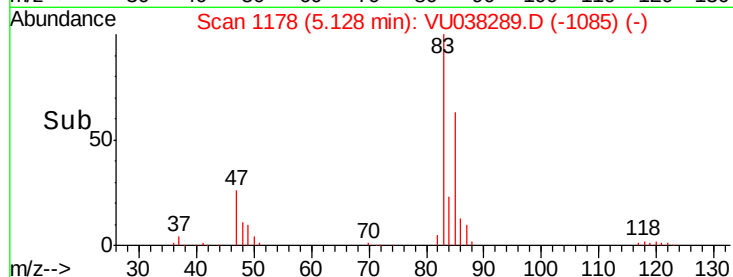
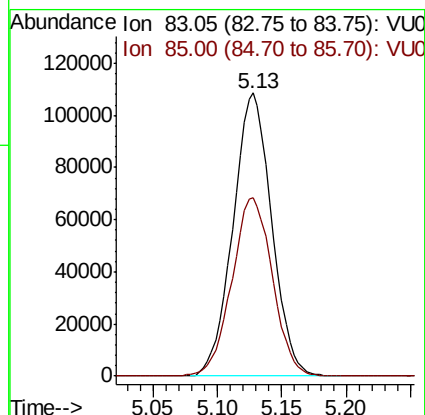
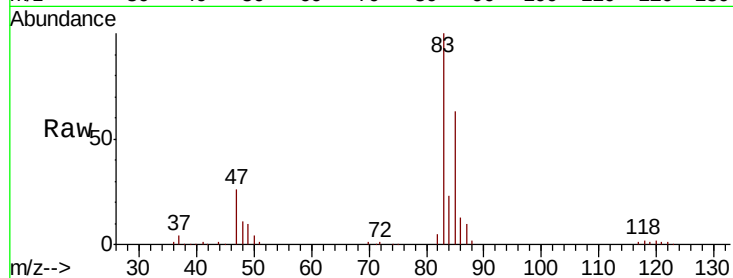




#25
Chloroform
Concen: 5.410 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

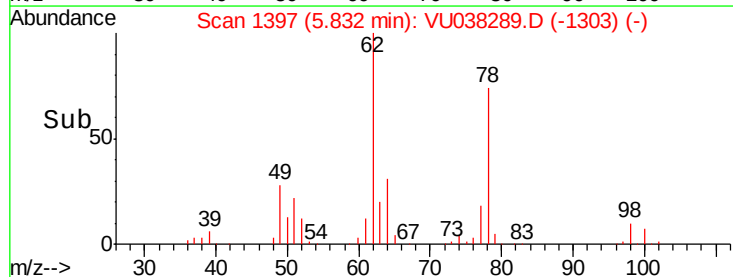
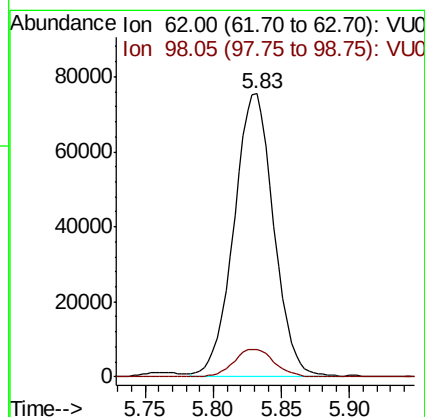
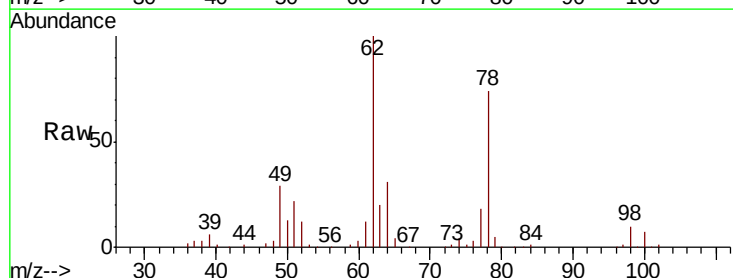
Instrument :
MSVOA_U
ClientSampled :

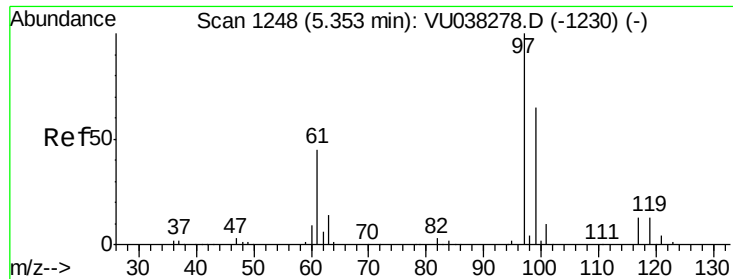
Tot Ion: 83 Resp: 226202
Ion Ratio Lower Upper
83 100
85 62.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.152 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion: 62 Resp: 152039
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.8

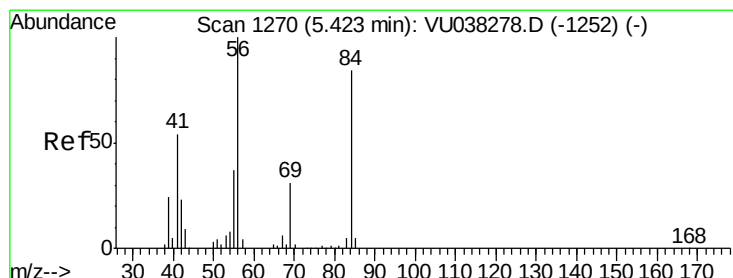
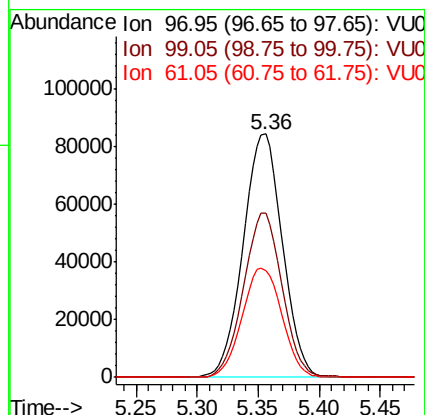
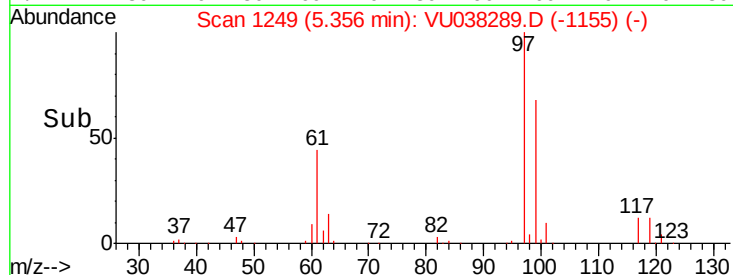
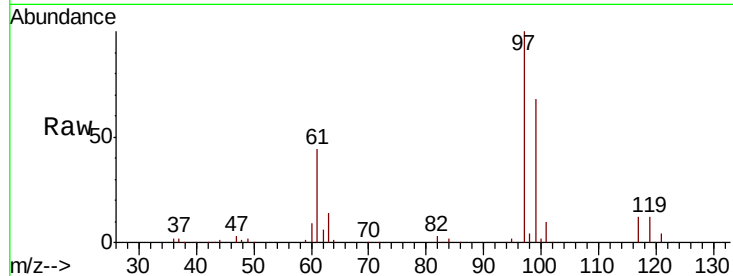




#29
 1,1,1-Trichloroethane
 Concen: 5.519 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

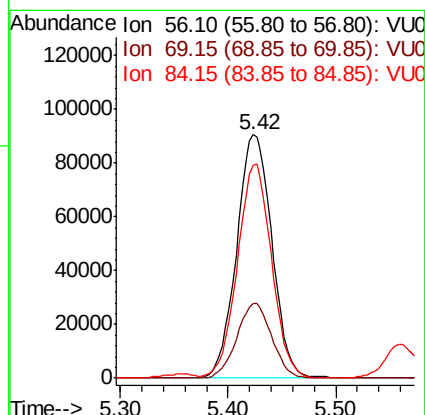
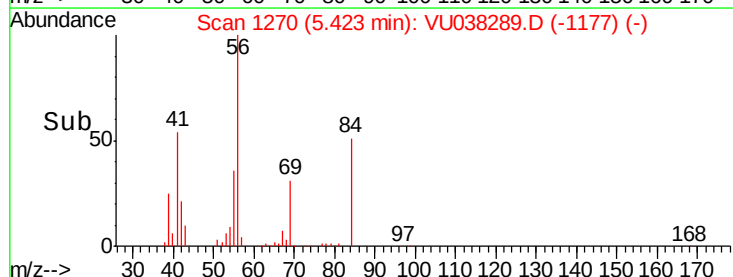
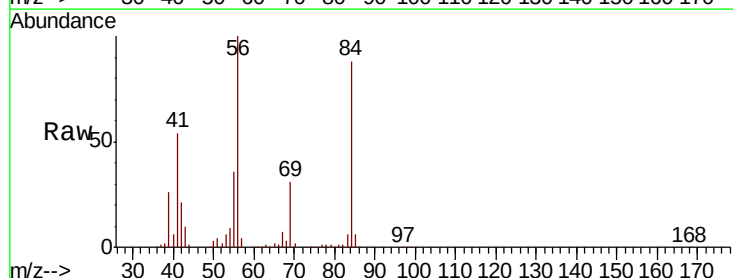
Instrument :
 MSVOA_U
 ClientSampled :

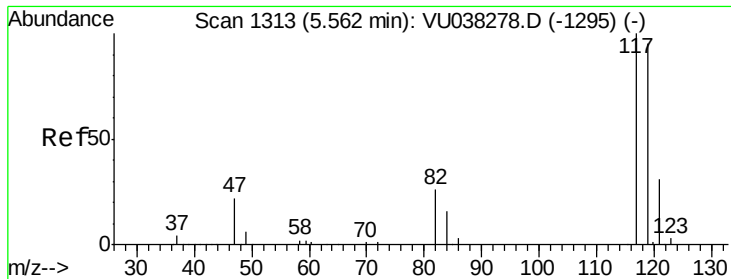
Tot Ion: 97 Resp: 186983
 Ion Ratio Lower Upper
 97 100
 99 66.5 51.0 76.4
 61 45.6 38.2 57.4



#30
 Cyclohexane
 Concen: 5.151 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 56 Resp: 206060
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 84.9 68.5 102.7

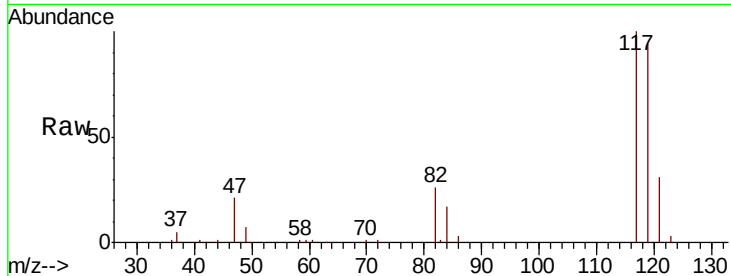




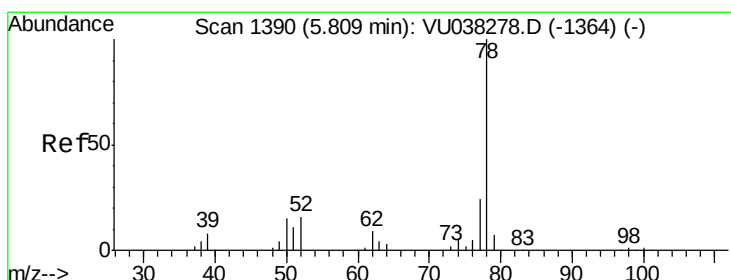
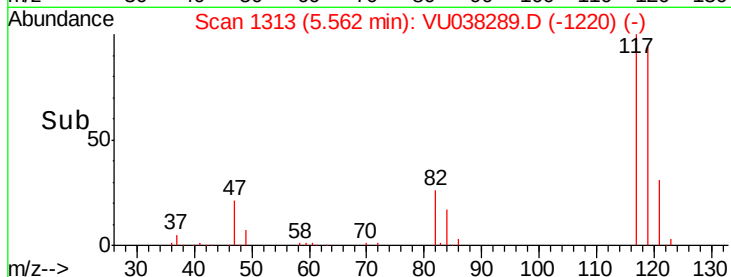
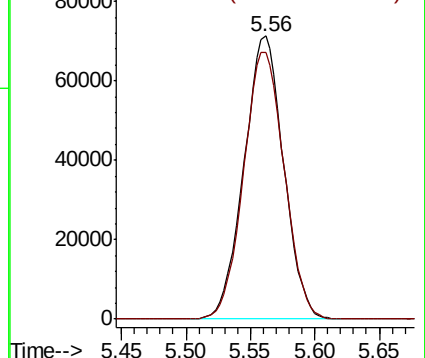
#31
Carbon tetrachloride
Concen: 5.601 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 152526
Ion Ratio Lower Upper
117 100
119 96.7 75.4 113.2

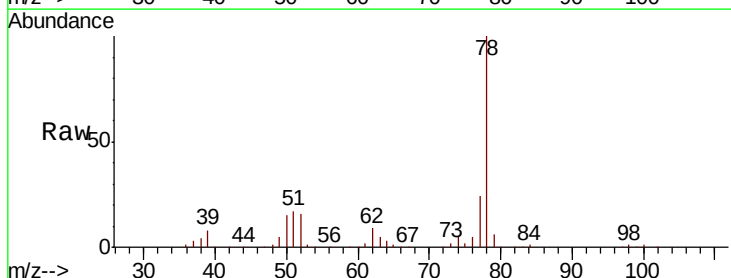


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

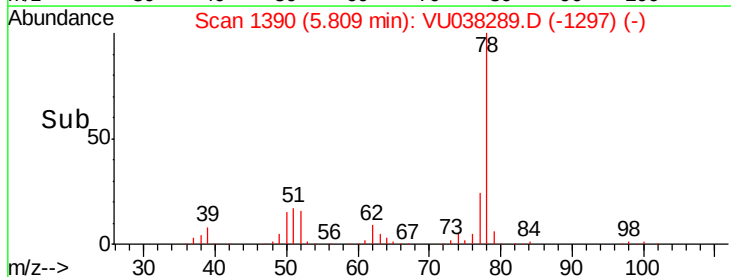
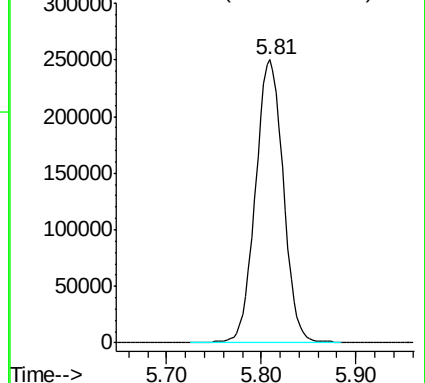


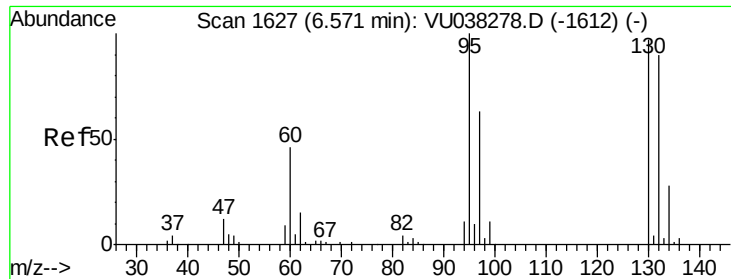
#33
Benzene
Concen: 5.418 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion: 78 Resp: 513025



Abundance Ion 78.10 (77.80 to 78.80): VU0

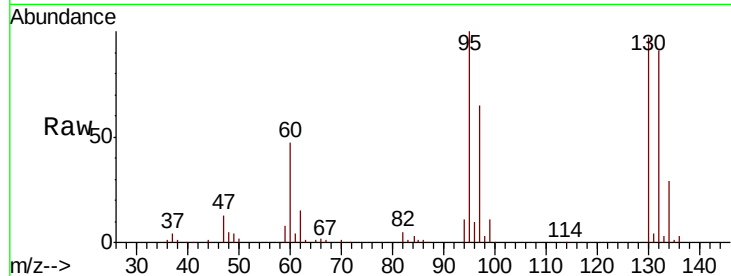




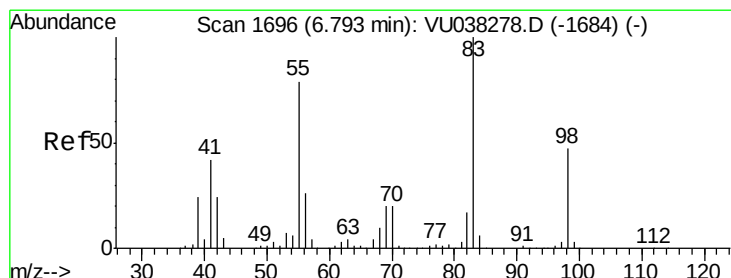
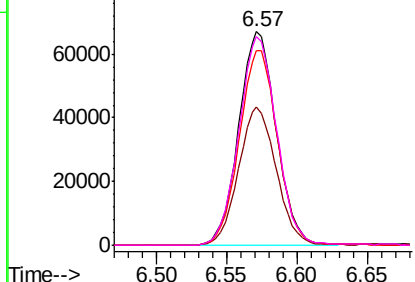
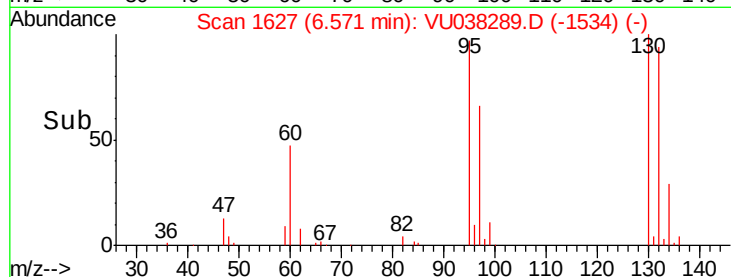
#34
 Trichloroethene
 Concen: 5.276 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 124955
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.9 83.3
 132 91.3 63.3 117.5
 130 97.5 65.7 122.1

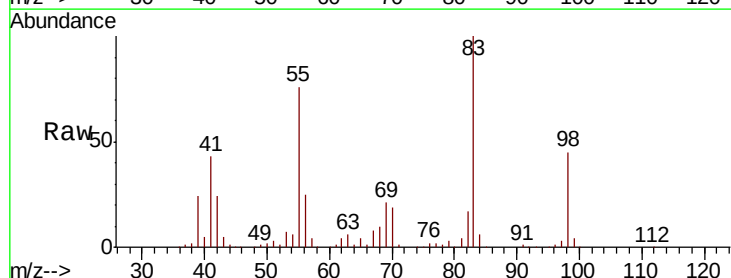


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

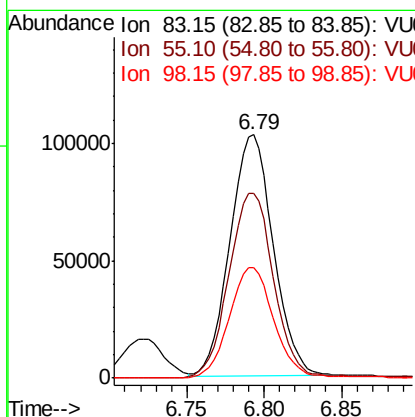
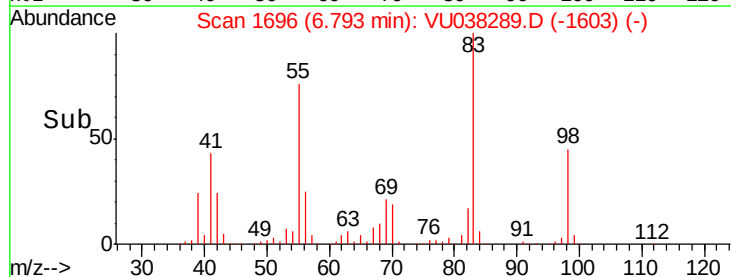


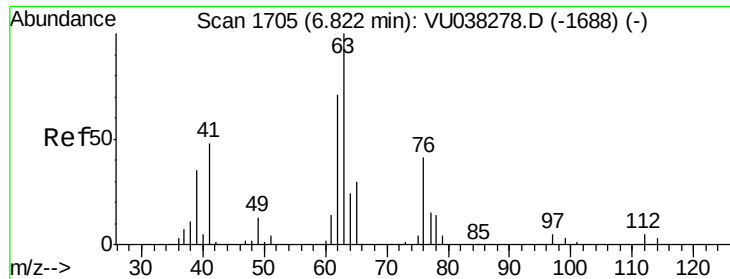
#35
 Methylcyclohexane
 Concen: 5.214 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 83 Resp: 200036
 Ion Ratio Lower Upper
 83 100
 55 79.8 66.7 100.1
 98 46.9 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

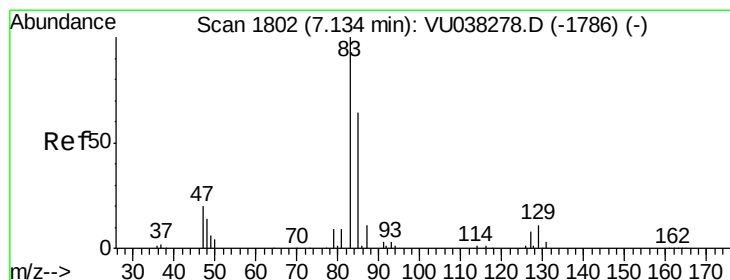
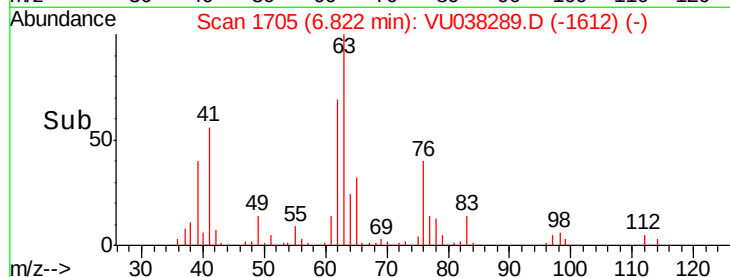
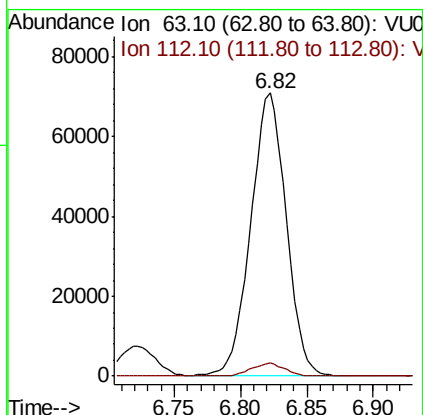
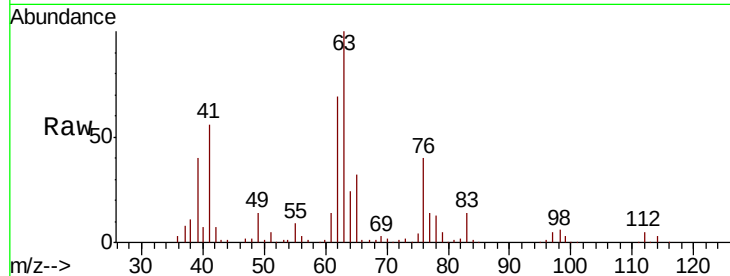




#37
 1,2-Dichloropropane
 Concen: 5.117 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

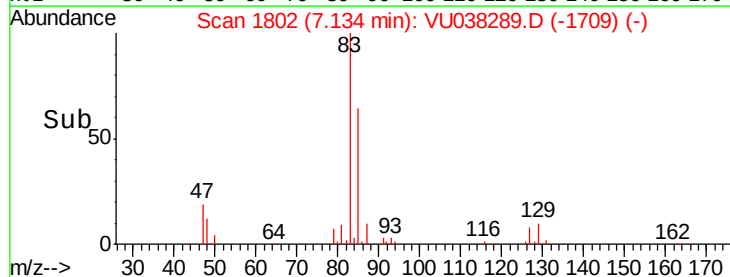
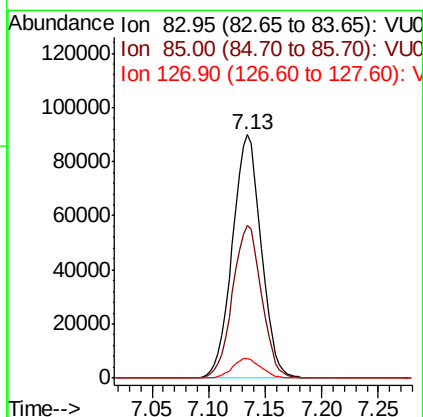
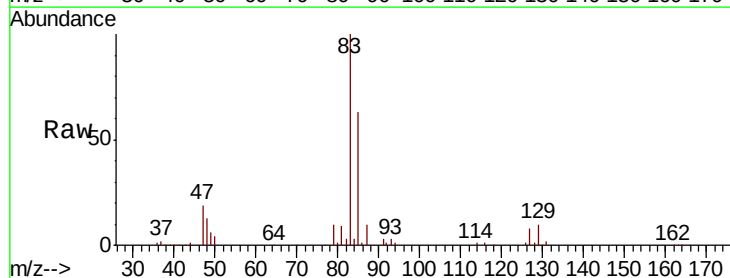
Instrument :
 MSVOA_U
 ClientSampled :

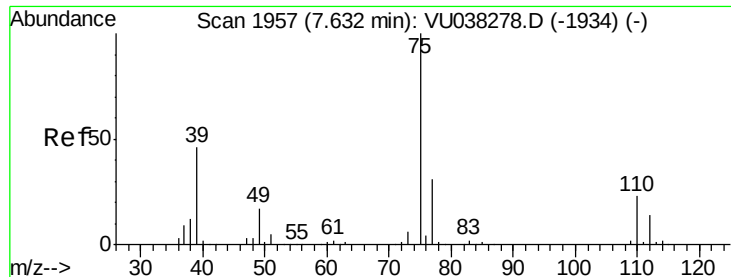
Tot Ion: 63 Resp: 131625
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.379 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 83 Resp: 159933
 Ion Ratio Lower Upper
 83 100
 85 62.5 44.6 82.8
 127 8.1 6.4 9.6

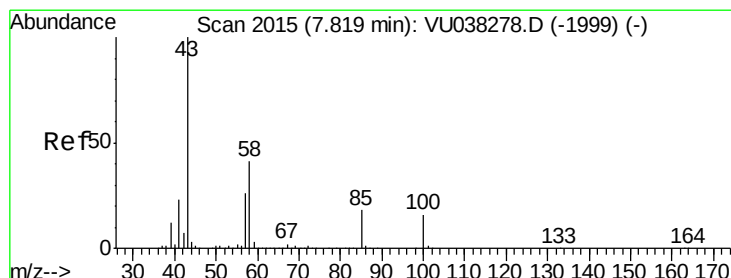
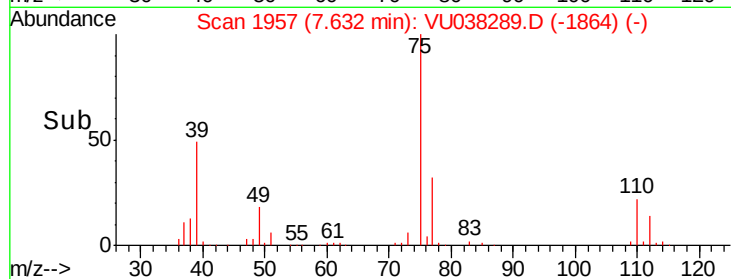
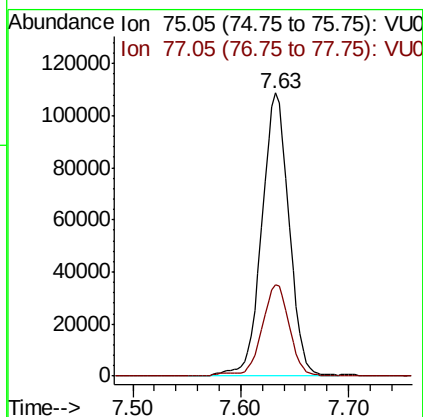
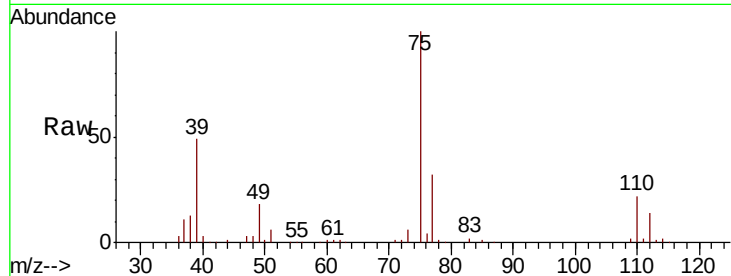




#39
 cis-1,3-Dichloropropene
 Concen: 5.173 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

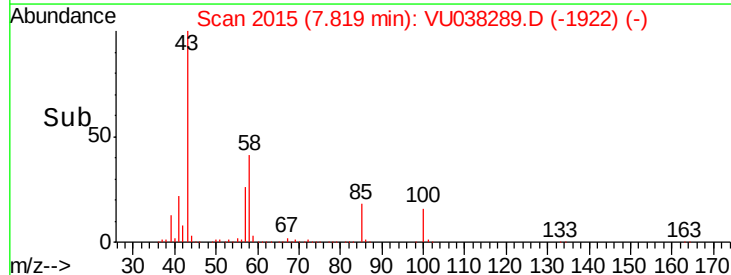
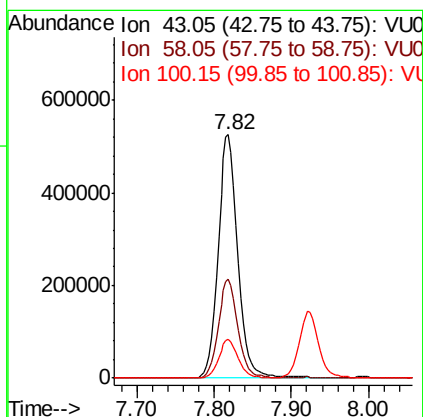
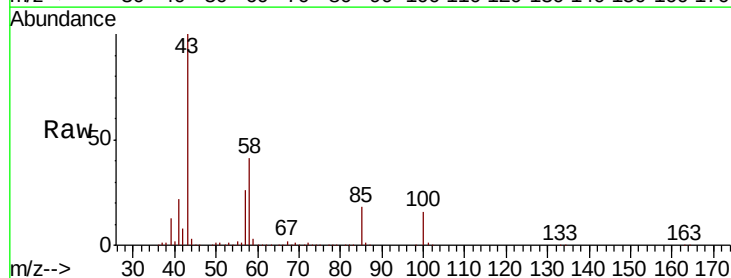
Instrument :
 MSVOA_U
 ClientSampleId :

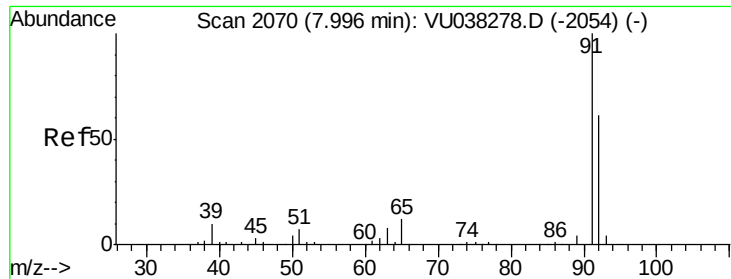
Tot Ion: 75 Resp: 190416
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 52.538 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 43 Resp: 936569
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.2 48.4
 100 15.7 12.1 18.1





#42

Toluene

Concen: 5.355 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

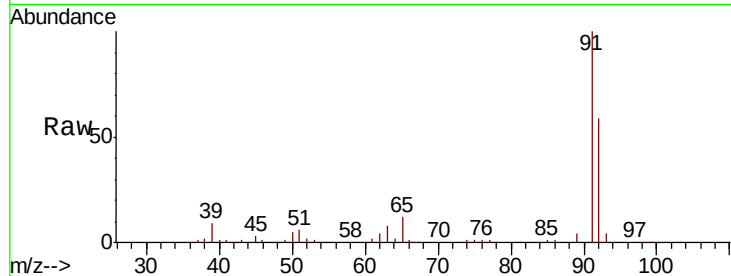
ClientSampleId :

Tot Ion: 91 Resp: 535303

Ion Ratio Lower Upper

91 100

92 59.4 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.99

300000

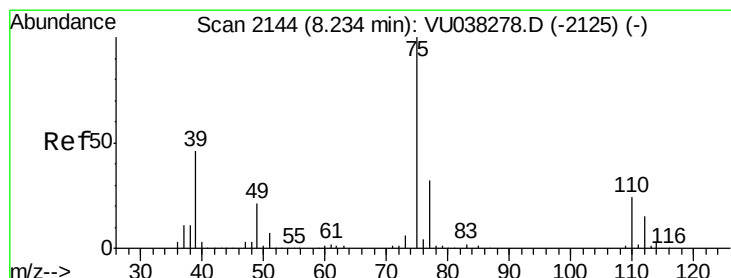
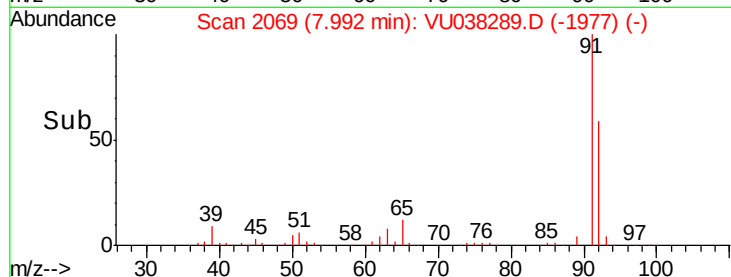
200000

100000

0

Time-->

7.90 8.00 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.342 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038289.D

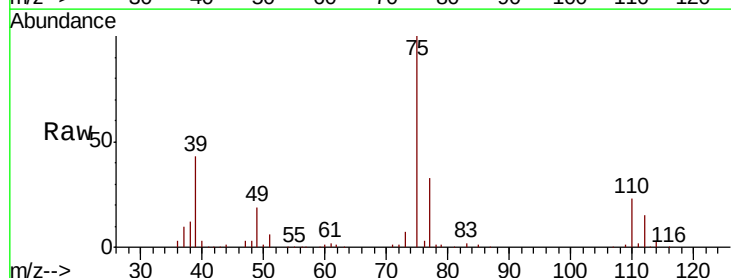
Acq: 22 May 2020 19:48

Tgt Ion: 75 Resp: 167218

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.23

100000

80000

60000

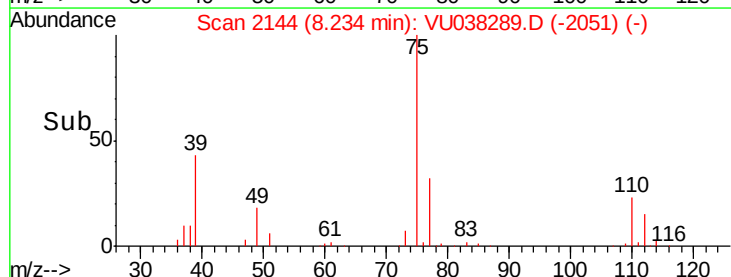
40000

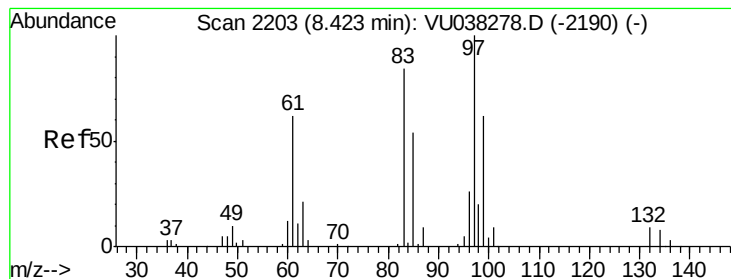
20000

0

Time-->

8.15 8.20 8.25 8.30





#45

1,1,2-Trichloroethane

Concen: 5.276 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 94238

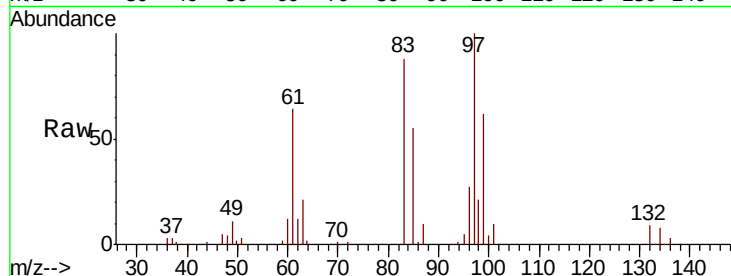
Ion Ratio Lower Upper

97 100

99 61.7 44.0 81.6

83 87.9 59.6 110.8

85 55.3 41.3 76.7

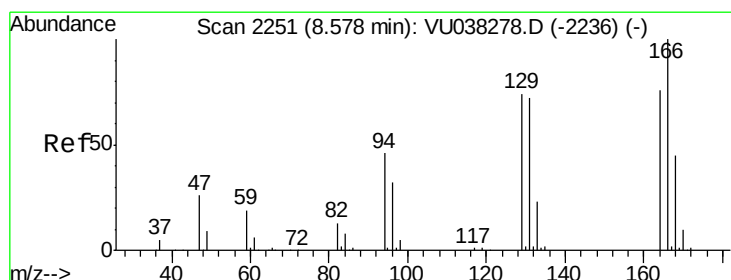
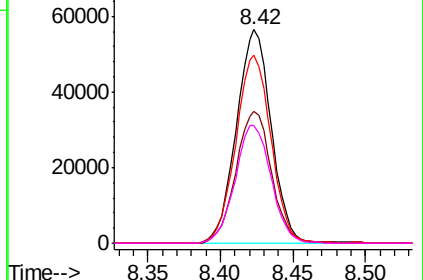
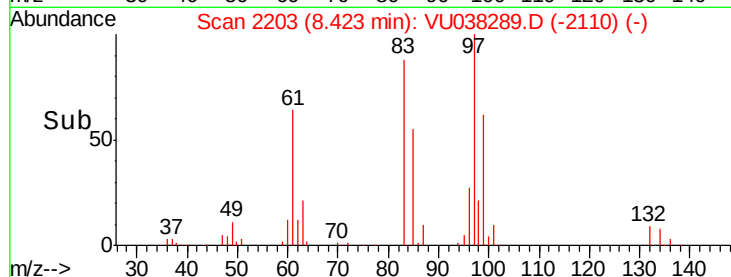


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.374 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Tgt Ion: 164 Resp: 89030

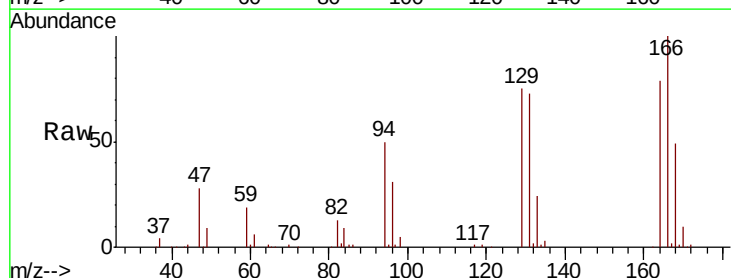
Ion Ratio Lower Upper

164 100

129 95.9 68.8 127.8

131 92.6 66.8 124.2

166 127.3 88.9 165.1

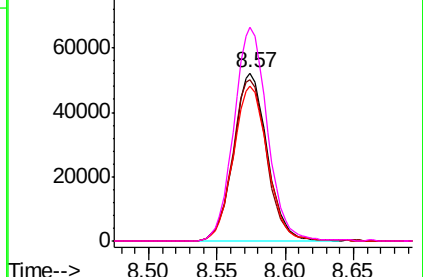
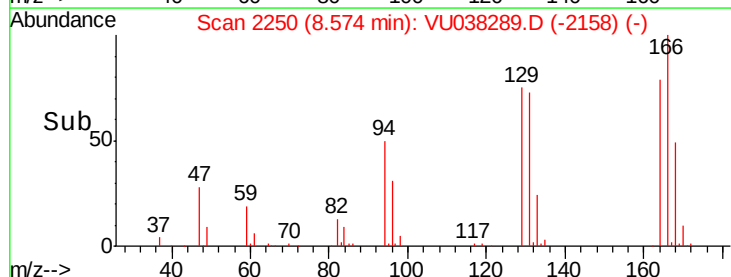


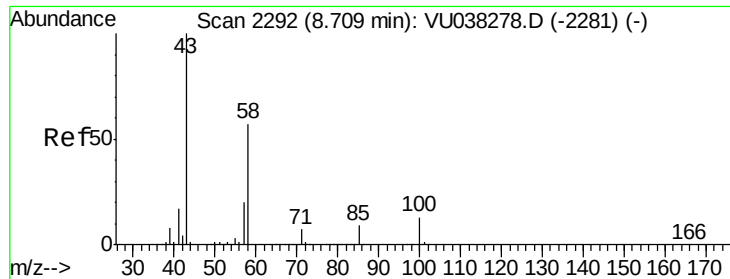
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

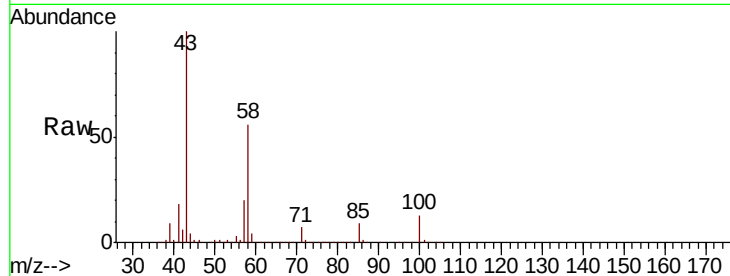




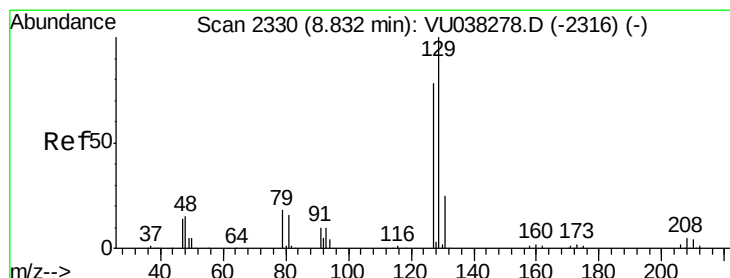
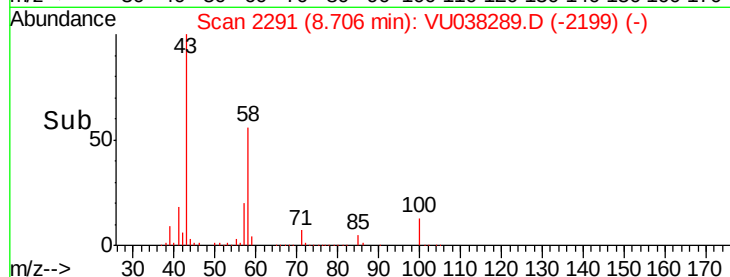
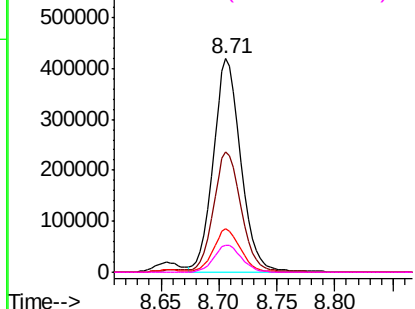
#48
2-Hexanone
Concen: 52.893 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 690517
Ion Ratio Lower Upper
43 100
58 57.1 45.2 67.8
57 20.1 15.5 23.3
100 12.8 9.5 14.3

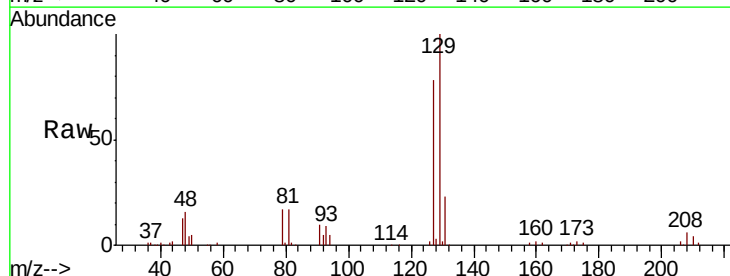


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

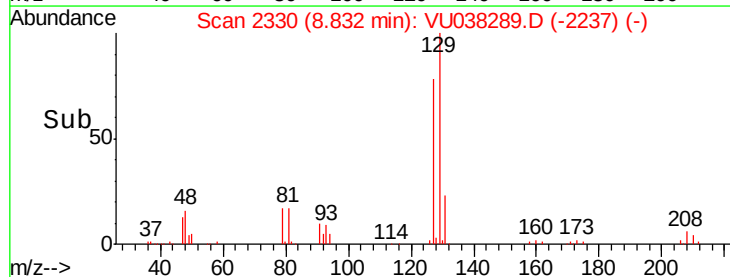
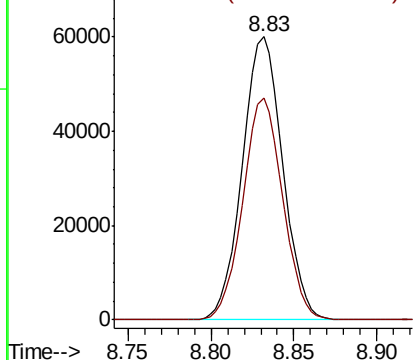


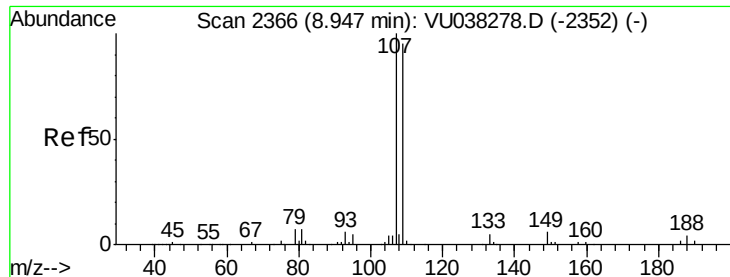
#49
Dibromochloromethane
Concen: 5.493 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion: 129 Resp: 101826
Ion Ratio Lower Upper
129 100
127 78.2 55.6 103.4



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

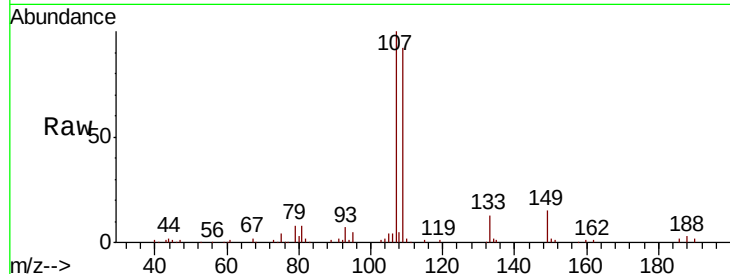




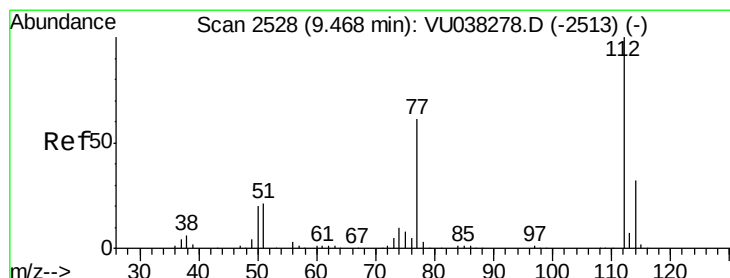
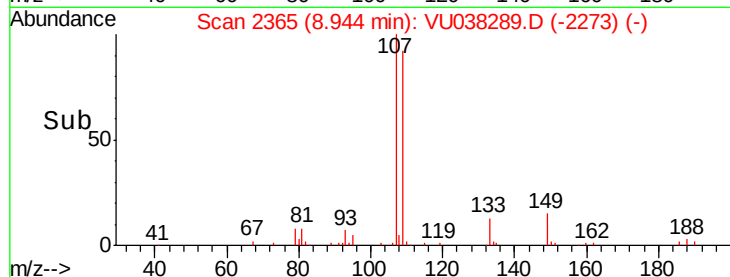
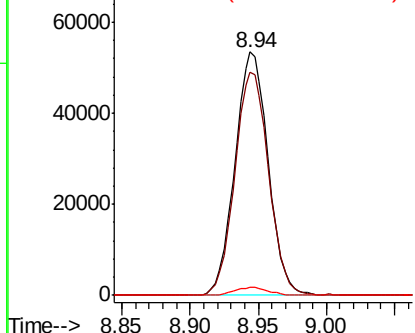
#50
1,2-Dibromoethane
Concen: 5.440 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	65.1	120.9
188	3.1	2.6	4.0

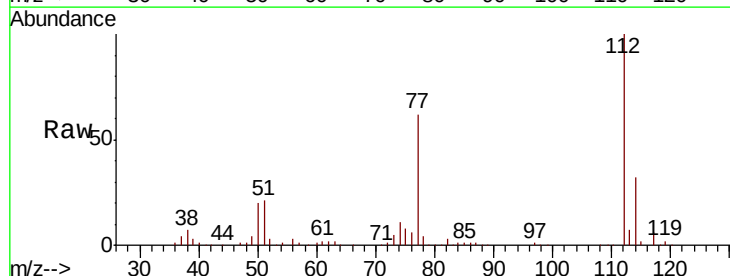


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

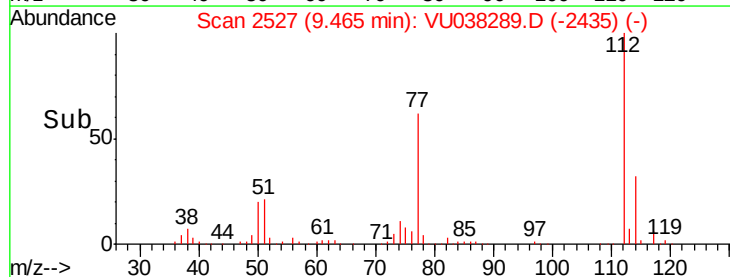
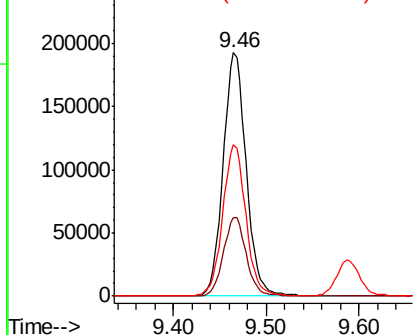


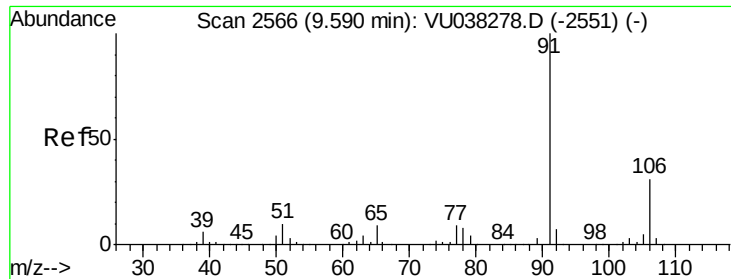
#51
Chlorobenzene
Concen: 5.354 ug/L
RT: 9.46 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	62.1	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): VU

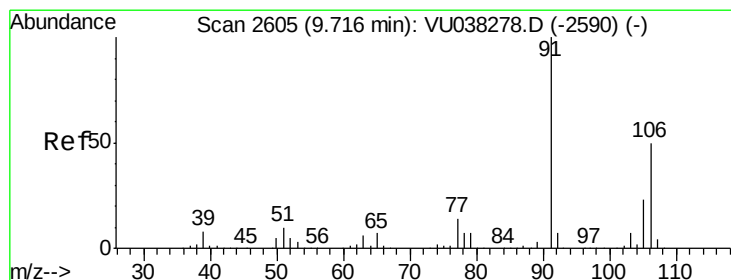
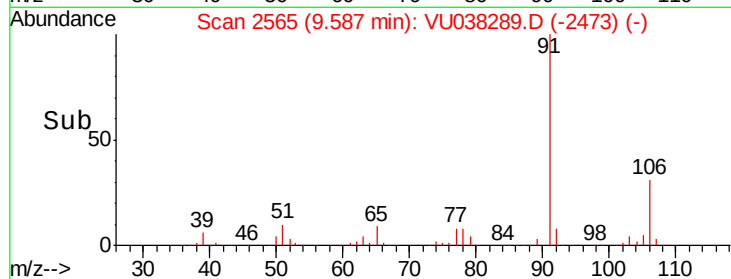
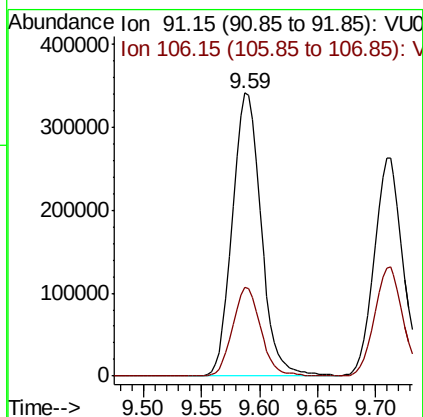
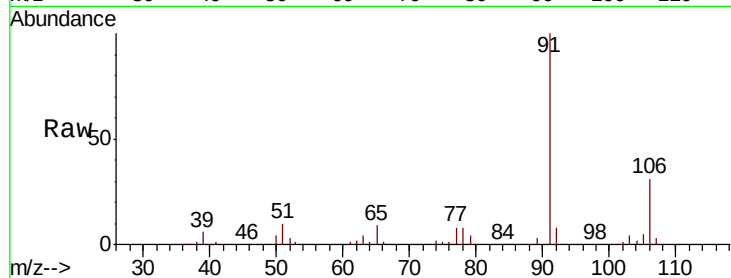




#52
Ethylbenzene
Concen: 5.404 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

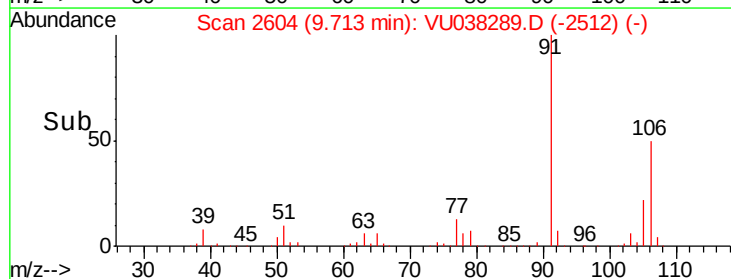
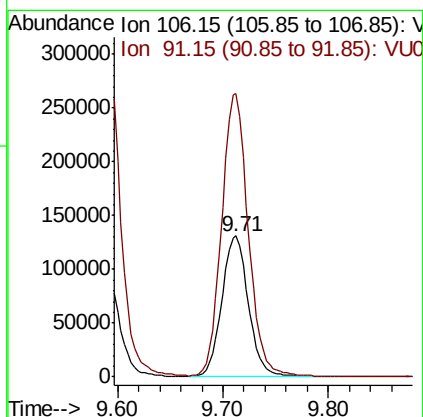
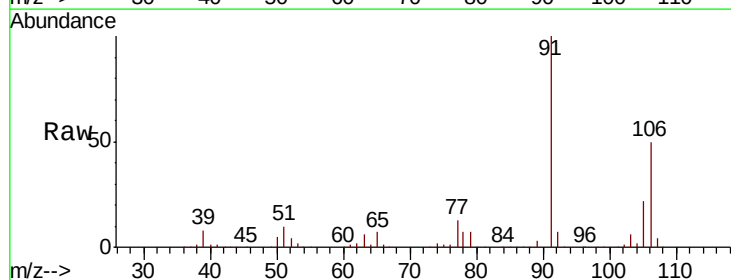
Instrument :
MSVOA_U
ClientSampleId :

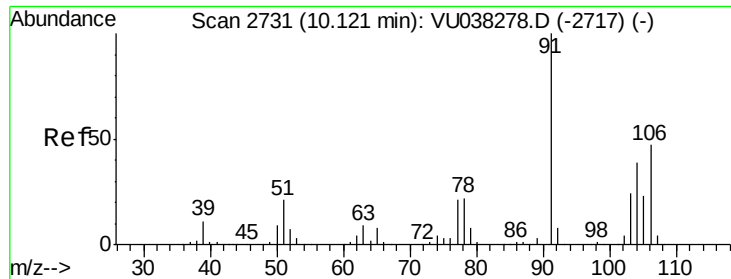
Tot Ion: 91 Resp: 585100
Ion Ratio Lower Upper
91 100
106 31.4 21.8 40.4



#53
m,p-Xylene
Concen: 5.534 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion: 106 Resp: 229759
Ion Ratio Lower Upper
106 100
91 200.8 142.1 263.9

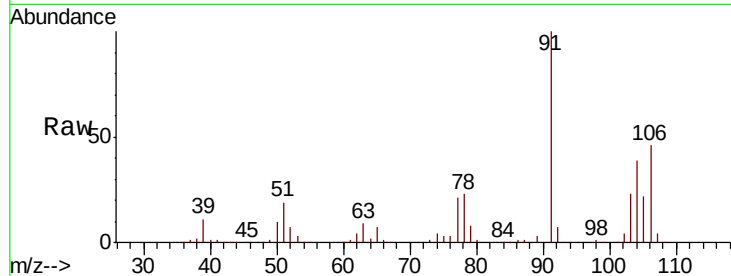




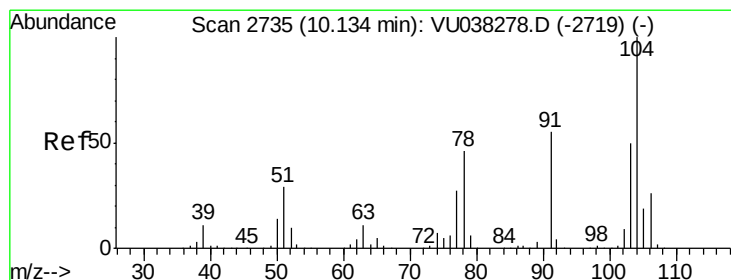
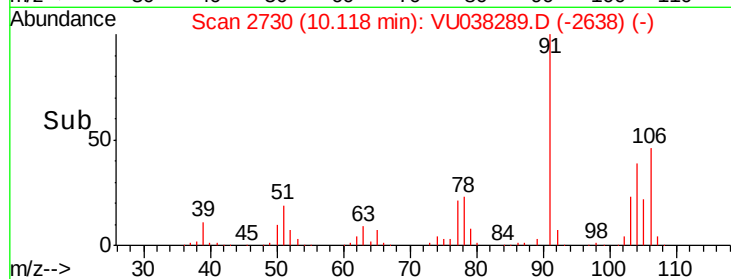
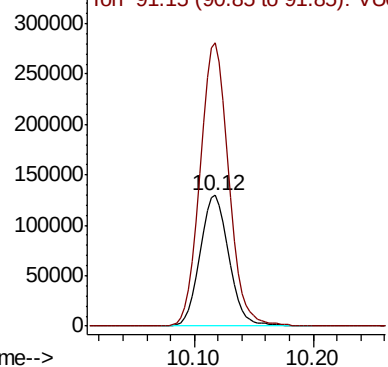
#54
o-Xylene
Concen: 5.440 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 218365
Ion Ratio Lower Upper
106 100
91 216.3 148.5 275.9

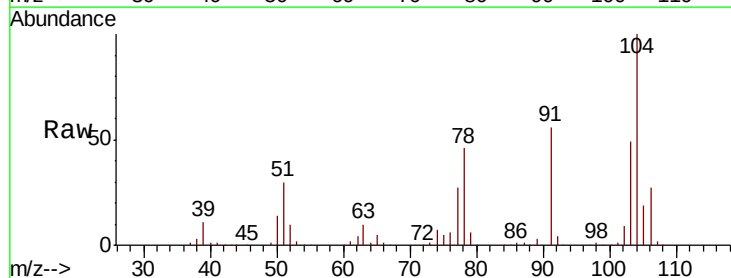


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

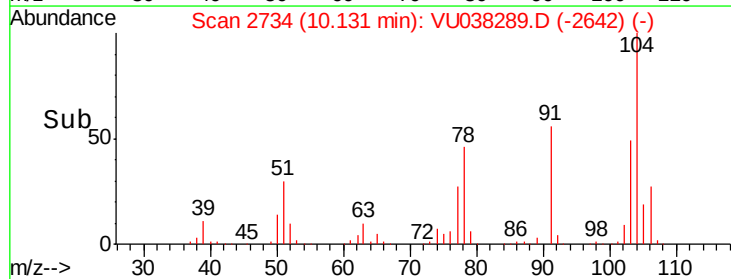
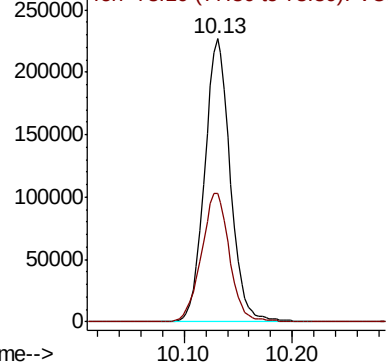


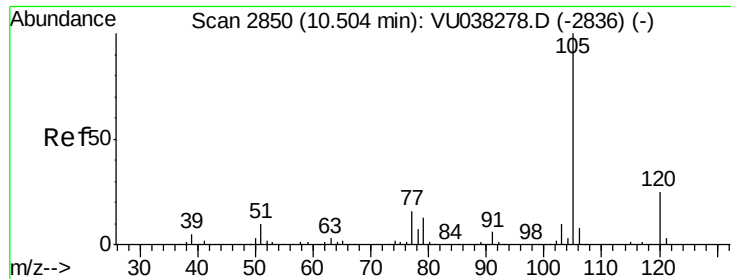
#55
Styrene
Concen: 5.578 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038289.D
Acq: 22 May 2020 19:48

Tgt Ion:104 Resp: 375925
Ion Ratio Lower Upper
104 100
78 45.6 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: 5.464 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

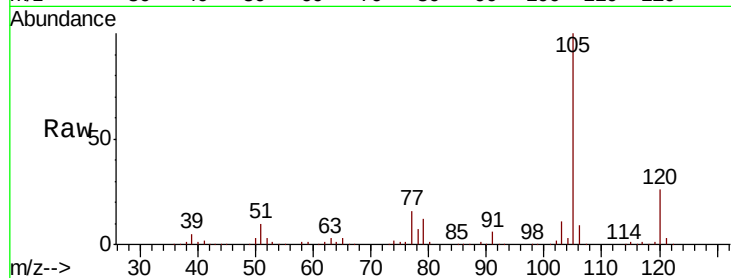
Tot Ion:105 Resp: 563470

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

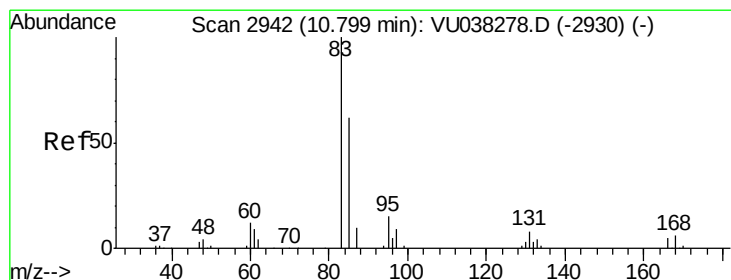
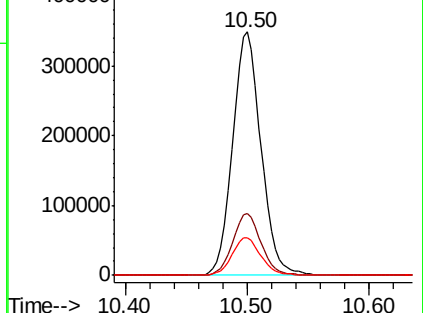
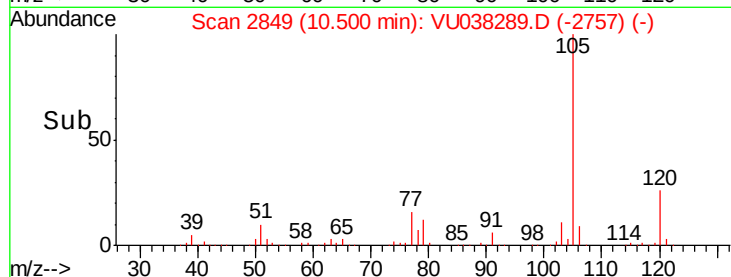
77 15.8 13.0 19.4



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: 5.186 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

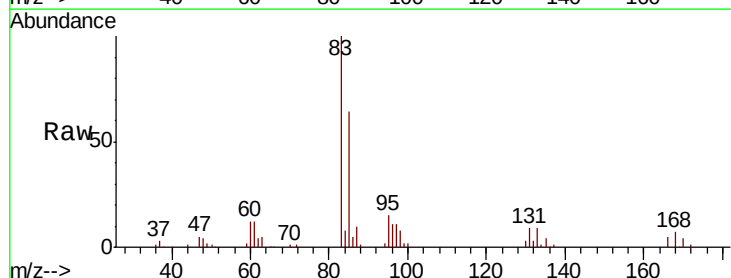
Tgt Ion: 83 Resp: 117606

Ion Ratio Lower Upper

83 100

85 63.9 47.0 87.2

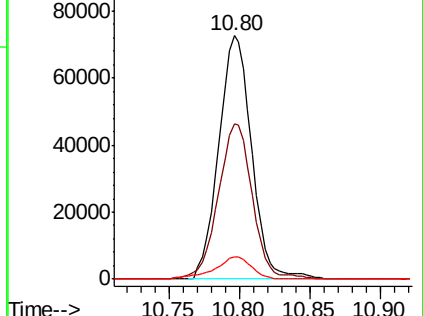
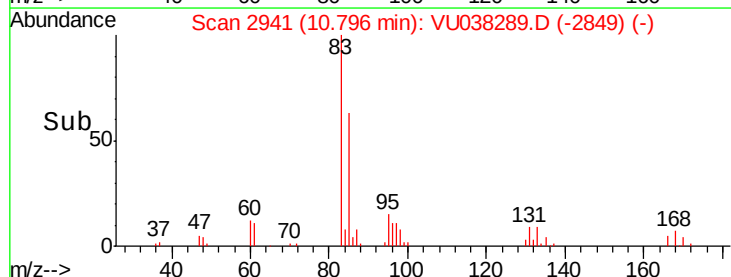
131 9.3 7.7 11.5

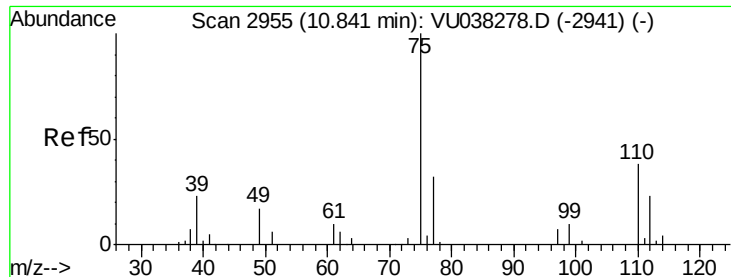


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.243 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

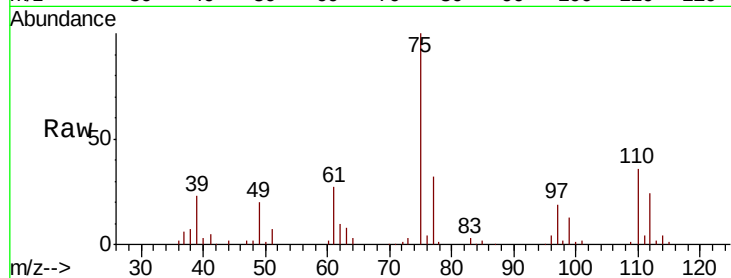
ClientSampleId :

Tot Ion: 75 Resp: 90507

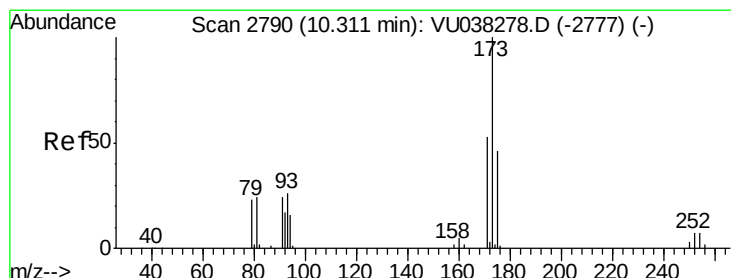
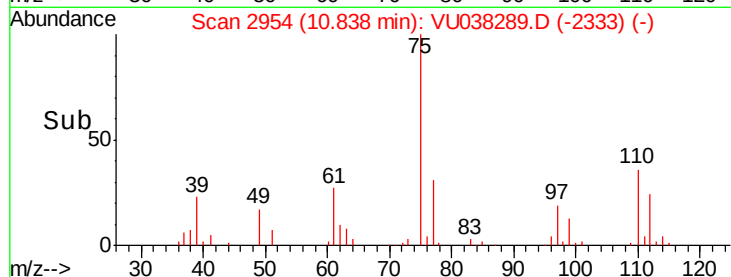
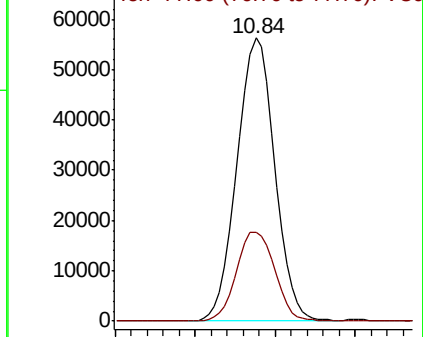
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038278.D (-2941) (-)



#61

Bromoform

Concen: 5.381 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

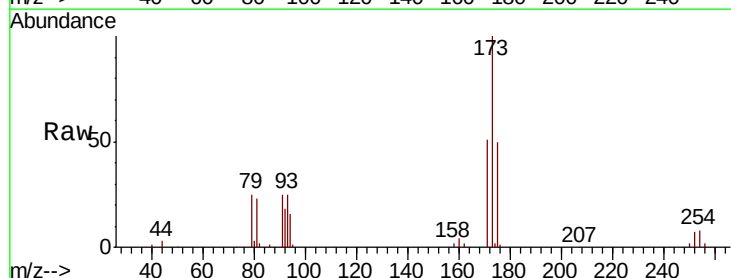
Tgt Ion: 173 Resp: 54807

Ion Ratio Lower Upper

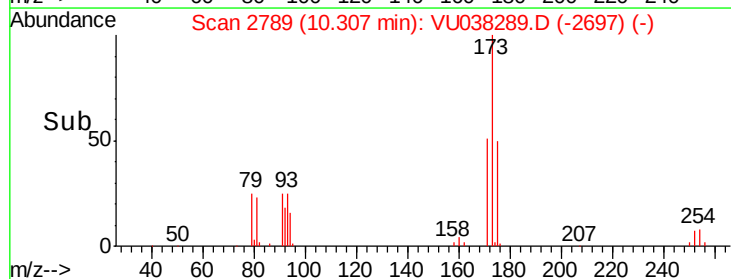
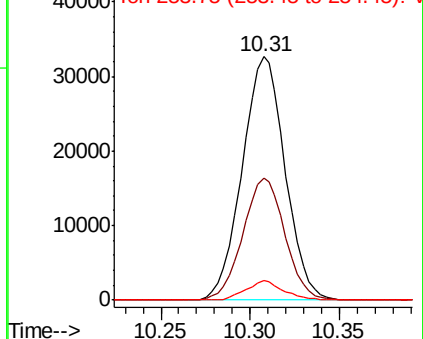
173 100

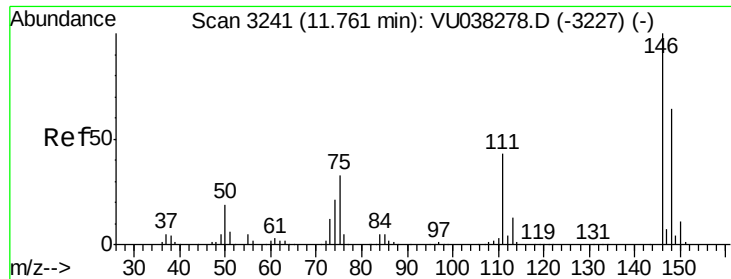
175 49.1 39.5 59.3

254 6.8 5.0 7.4



Abundance Ion 172.90 (172.60 to 173.60): VU038278.D (-2777) (-)

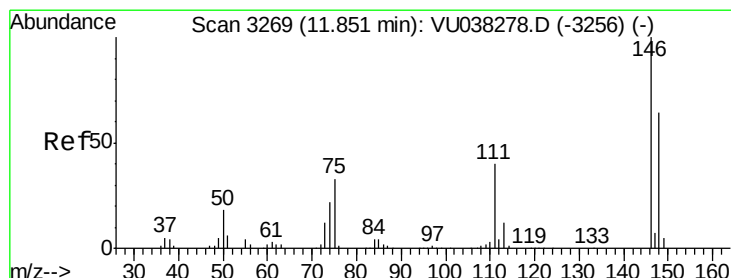
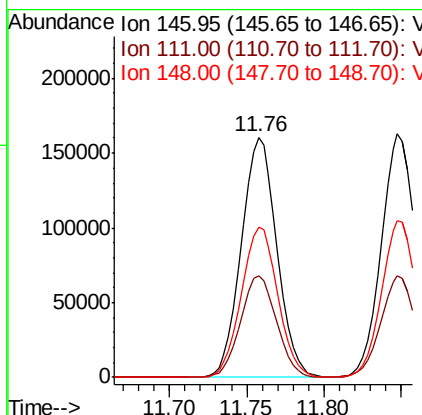
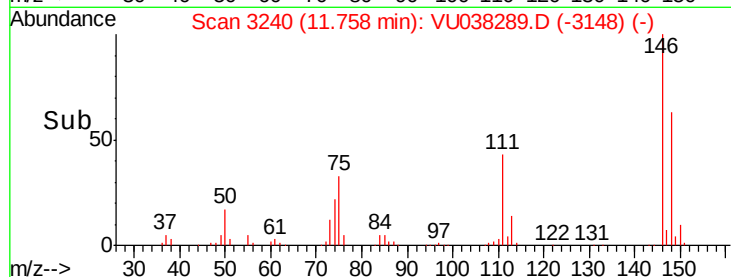
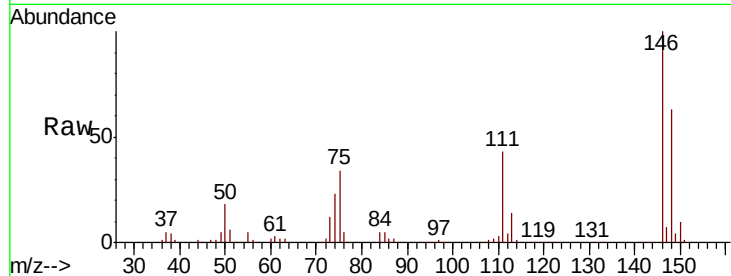




#62
 1,3-Dichlorobenzene
 Concen: 5.230 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

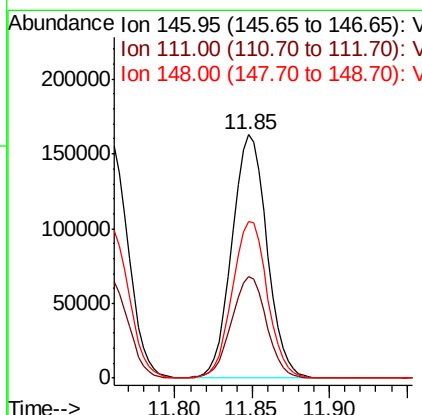
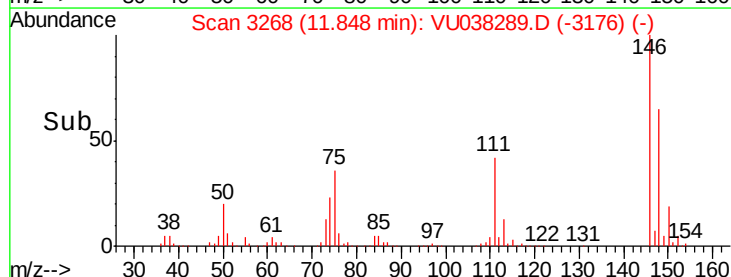
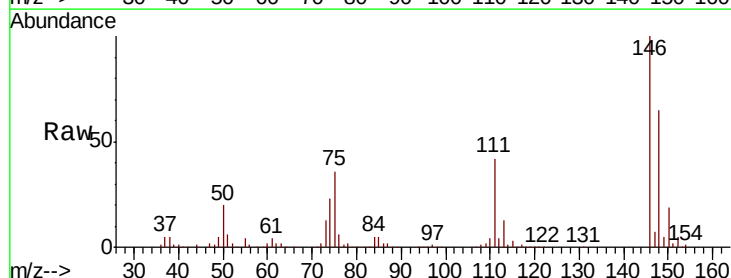
Instrument :
 MSVOA_U
 ClientSampled :

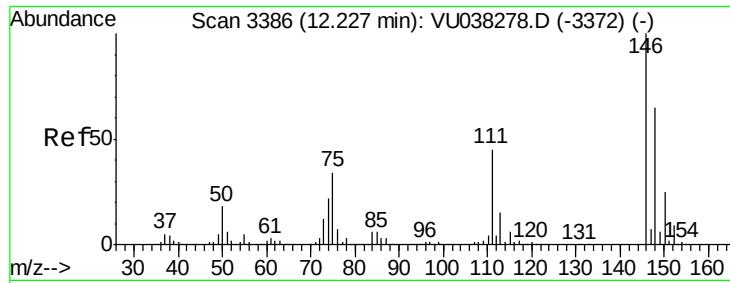
Tot Ion:146 Resp: 256426
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.6 53.2
 148 62.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.142 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion:146 Resp: 255475
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.2 50.6
 148 64.6 43.8 81.3

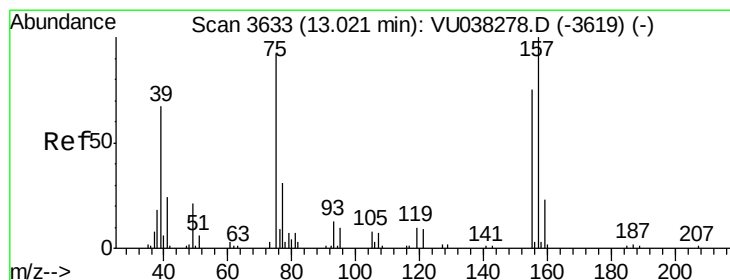
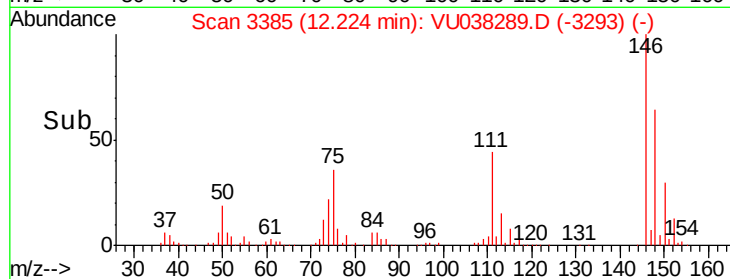
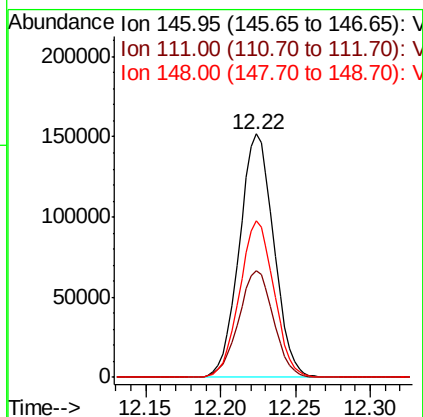
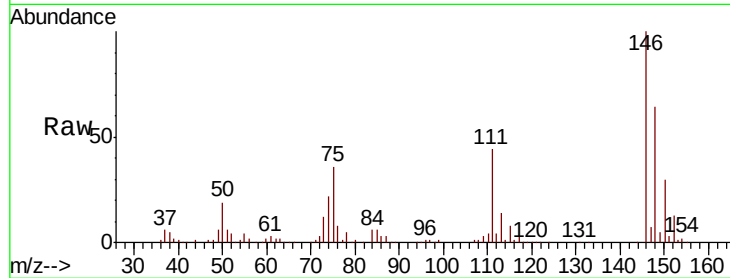




#65
 1,2-Dichlorobenzene
 Concen: 5.153 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

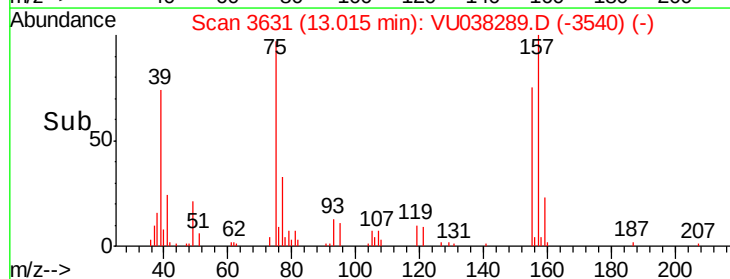
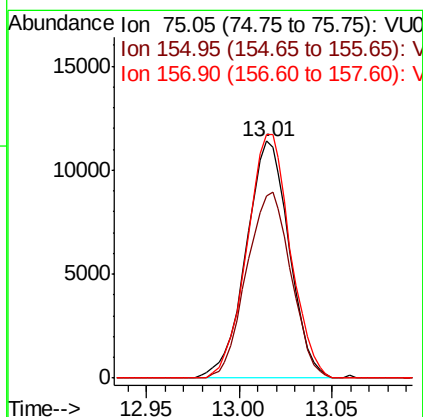
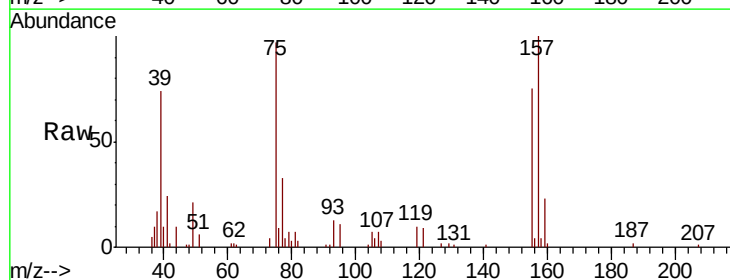
Instrument :
 MSVOA_U
 ClientSampleId :

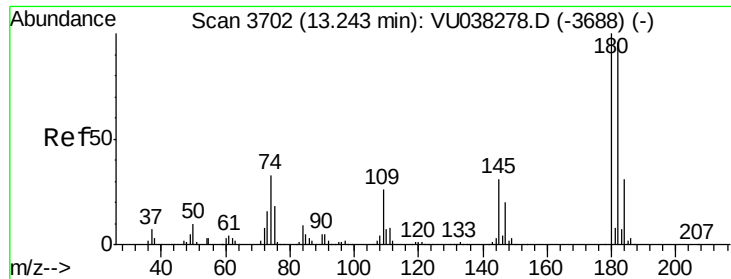
Tot Ion:146 Resp: 243074
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.3 52.9
 148 64.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.788 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038289.D
 Acq: 22 May 2020 19:48

Tgt Ion: 75 Resp: 18458
 Ion Ratio Lower Upper
 75 100
 155 77.1 58.2 87.2
 157 102.8 72.9 109.3





#67

1,3,5-Trichlorobenzene

Concen: 5.310 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 188935

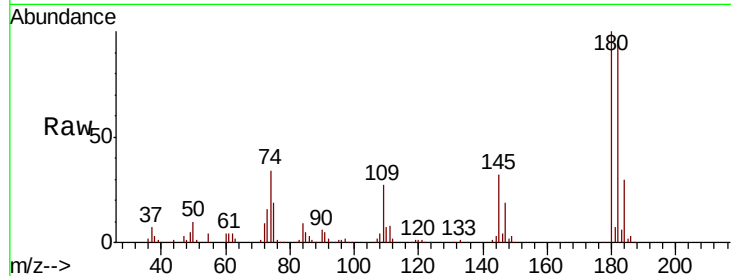
Ion Ratio Lower Upper

180 100

182 96.0 77.4 116.2

184 30.3 24.2 36.2

145 31.6 24.0 36.0

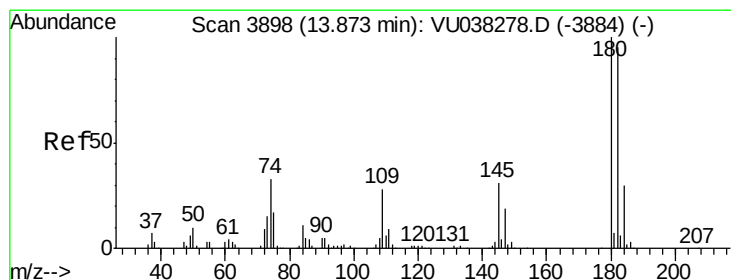
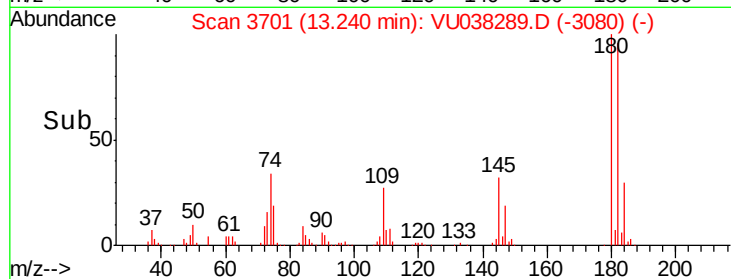
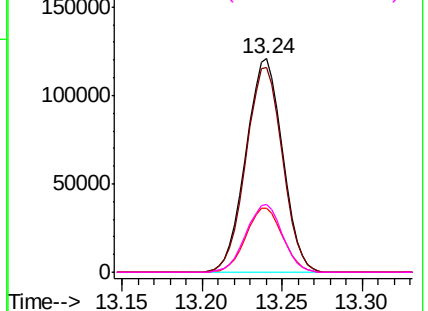


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.367 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. -0.01 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

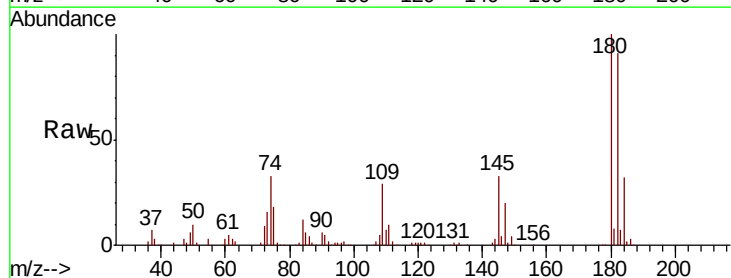
Tgt Ion:180 Resp: 173198

Ion Ratio Lower Upper

180 100

182 94.6 75.0 112.6

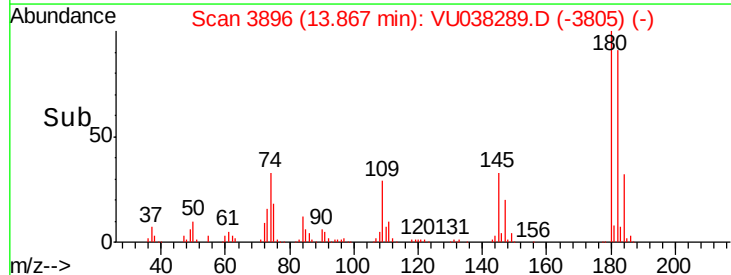
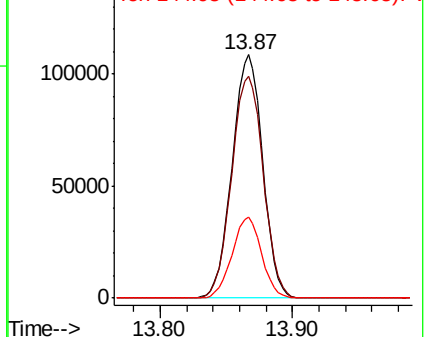
145 32.1 24.8 37.2

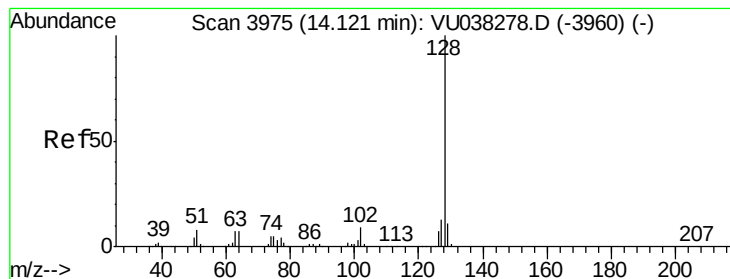


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.383 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

Instrument :

MSVOA_U

ClientSampleId :

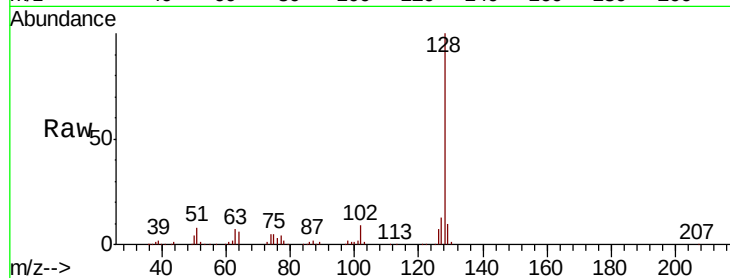
Tot Ion:128 Resp: 365705

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

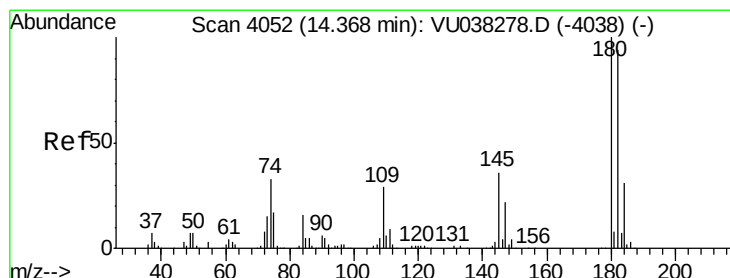
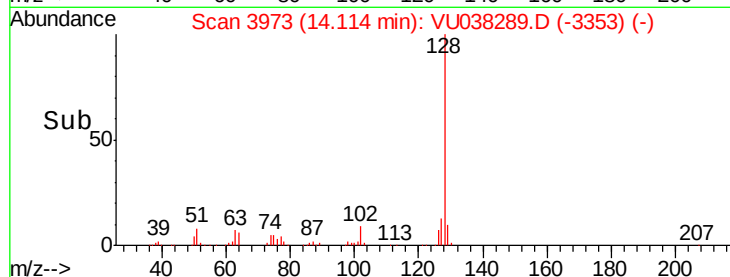
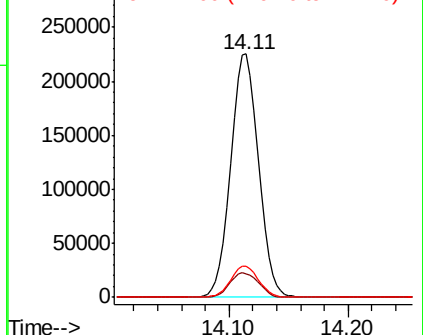
127 13.1 10.2 15.4



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: 5.398 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038289.D

Acq: 22 May 2020 19:48

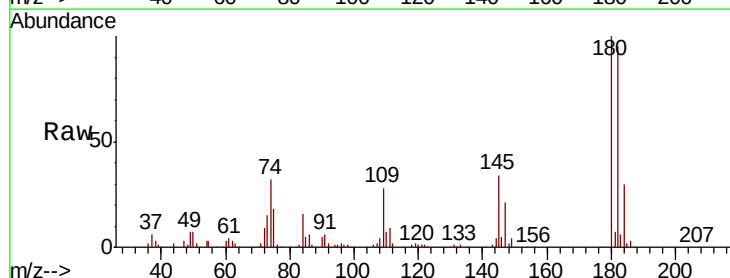
Tgt Ion:180 Resp: 161908

Ion Ratio Lower Upper

180 100

182 93.9 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

