

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038291.D
 Acq On : 26 May 2020 11:04
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 25 02:32:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	343222	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	329973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	169093	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134973	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.93	69	112791	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	267097	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.80%
20) 2-Butanone-d5	4.67	46	422459	54.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.08%
24) Chloroform-d	5.10	84	259102	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.74	65	145372	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.76	84	531532	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.72	67	166074	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.93	98	481935	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloropropene-	8.20	79	71212	5.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.40%
46) 2-Hexanone-d5	8.66	63	337219	55.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	137189	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	181533	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	175329	5.586	ug/L 99
3) Chloromethane	1.53	50	159963	4.229	ug/L 99
5) Vinyl chloride	1.62	62	166806	4.500	ug/L 99
6) Bromomethane	1.87	94	87602	4.151	ug/L 100
8) Chloroethane	1.95	64	96105	4.215	ug/L 100
9) Trichlorofluoromethane	2.16	101	215394	5.683	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	131948	5.616	ug/L 96
12) 1,1-Dichloroethene	2.60	96	127181	5.340	ug/L 99
13) Acetone	2.67	43	262850	54.088	ug/L 97
14) Carbon disulfide	2.82	76	438083	5.156	ug/L 100
15) Methyl Acetate	2.98	43	67901	4.995	ug/L 97
16) Methylene chloride	3.08	84	141190	5.085	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	345580	5.222	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	137566	5.290	ug/L 99
19) 1,1-Dichloroethane	3.91	63	255843	5.037	ug/L 99
21) 2-Butanone	4.75	43	458250	53.424	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	148955	5.316	ug/L 96

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 Data File : VU038291.D
 Acq On : 26 May 2020 11:04
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 27 06:49:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 25 02:32:18 2020
 Response via : Initial Calibration

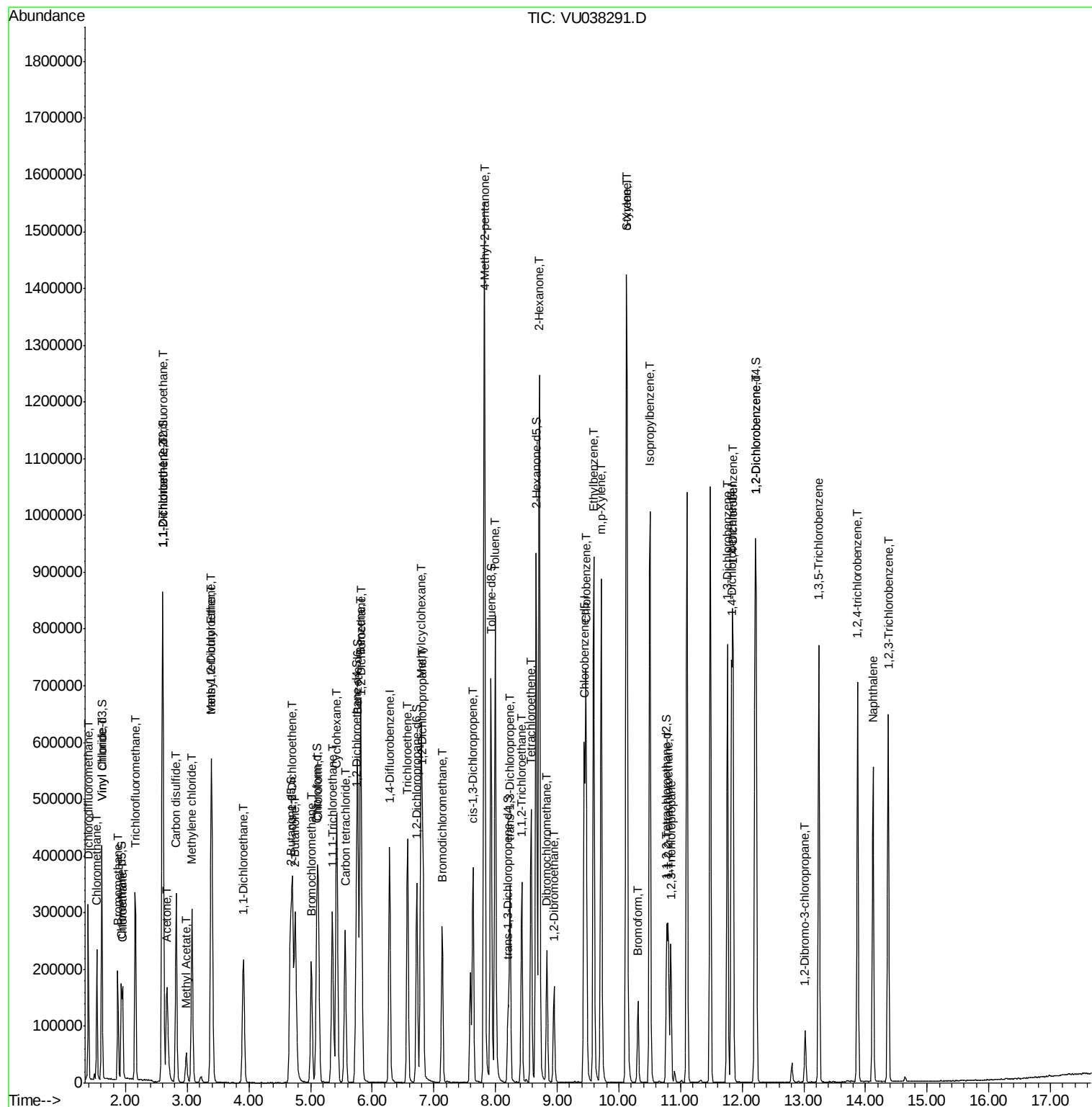
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	65367	5.421	ug/L	91
25) Chloroform	5.13	83	249495	5.267	ug/L	100
27) 1,2-Dichloroethane	5.83	62	171911	5.141	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	221876	5.869	ug/L	98
30) Cyclohexane	5.43	56	251410	5.632	ug/L	99
31) Carbon tetrachloride	5.56	117	184222	6.063	ug/L	98
33) Benzene	5.81	78	576094	5.452	ug/L	100
34) Trichloroethene	6.57	95	145715	5.514	ug/L	97
35) Methylcyclohexane	6.79	83	242724	5.670	ug/L	98
37) 1,2-Dichloropropane	6.82	63	149519	5.209	ug/L	99
38) Bromodichloromethane	7.13	83	182954	5.514	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	223455	5.440	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1033866	51.973	ug/L	99
42) Toluene	8.00	91	615671	5.519	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	192897	5.522	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	108088	5.423	ug/L	97
47) Tetrachloroethene	8.58	164	106467	5.759	ug/L	99
48) 2-Hexanone	8.71	43	781280	53.630	ug/L	98
49) Dibromochloromethane	8.83	129	117817	5.696	ug/L	99
50) 1,2-Dibromoethane	8.95	107	102735	5.554	ug/L	97
51) Chlorobenzene	9.47	112	381200	5.507	ug/L	98
52) Ethylbenzene	9.59	91	684674	5.666	ug/L	99
53) m,p-Xylene	9.72	106	265469	5.730	ug/L	97
54) o-Xylene	10.12	106	256000	5.715	ug/L	97
55) Styrene	10.13	104	431356	5.736	ug/L	100
56) Isopropylbenzene	10.50	105	679022	5.901	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	134285	5.307	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	103341	5.365	ug/L	99
61) Bromoform	10.31	173	65102	5.696	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	304466	5.534	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	300748	5.395	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	284052	5.367	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	23256	5.376	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	228696	5.728	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	207748	5.737	ug/L	98
69) Naphthalene	14.12	128	434085	5.694	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	190551	5.662	ug/L	99

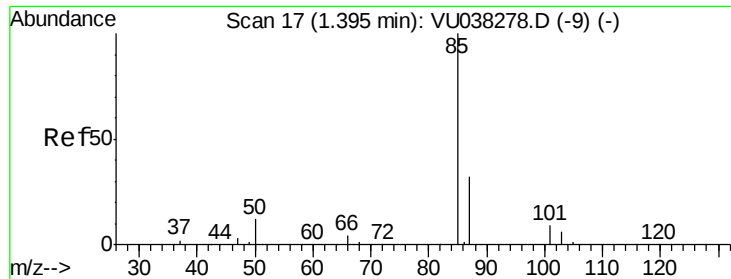
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU052620\
Data File : VU038291.D
Acq On : 26 May 2020 11:04
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 27 06:49:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
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QLast Update : Mon May 25 02:32:18 2020
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#2

Dichlorodifluoromethane

Concen: 5.586 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

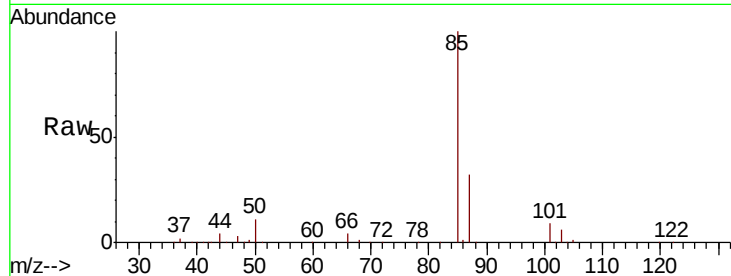
ClientSampleId :

Tot Ion: 85 Resp: 175329

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) (-)

1.39

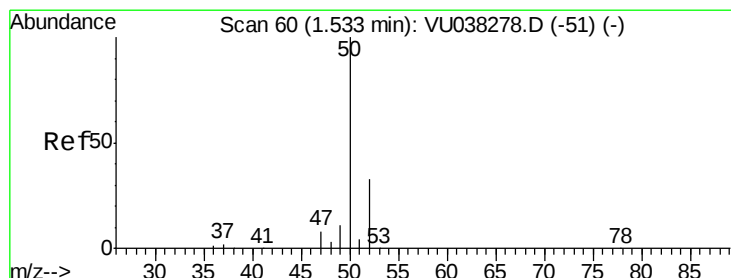
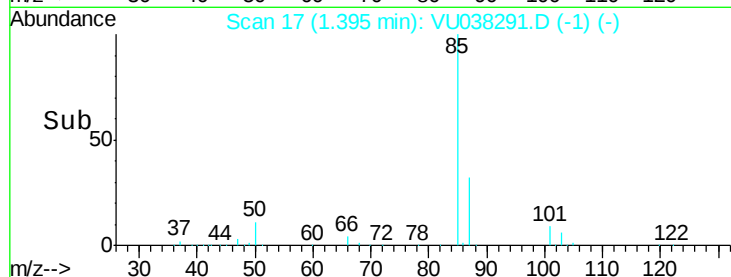
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.229 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038291.D

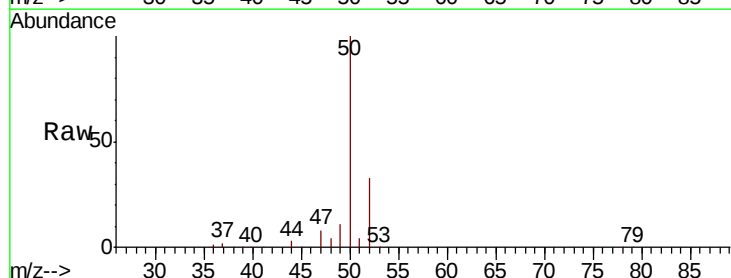
Acq: 26 May 2020 11:04

Tgt Ion: 50 Resp: 159963

Ion Ratio Lower Upper

50 100

52 32.5 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) (-)

1.53

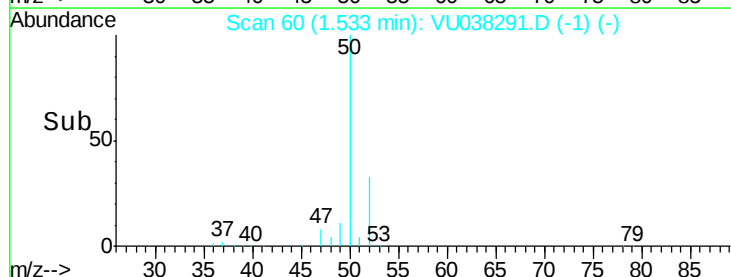
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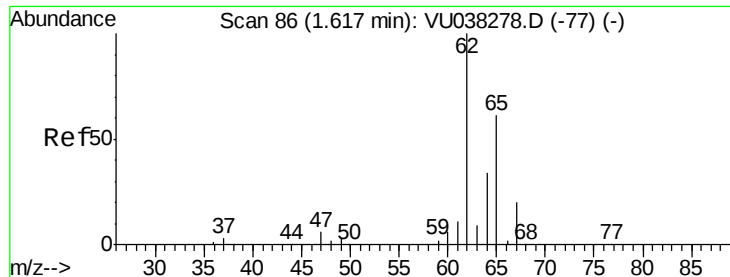
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.500 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

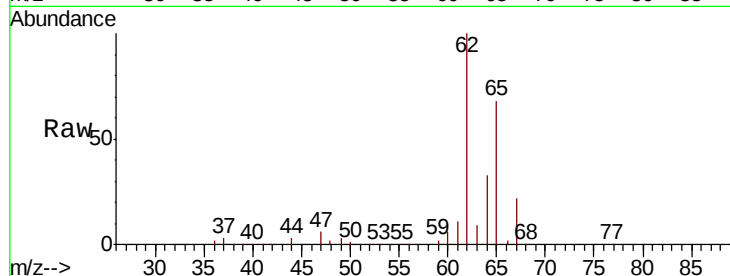
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 166806

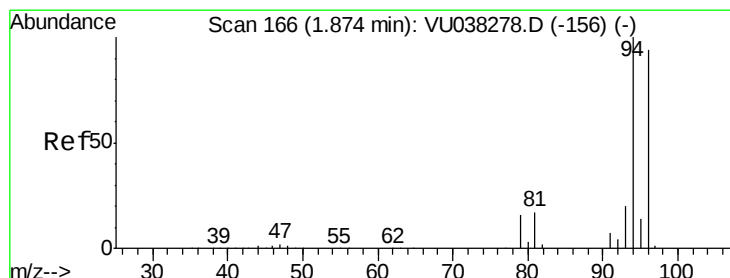
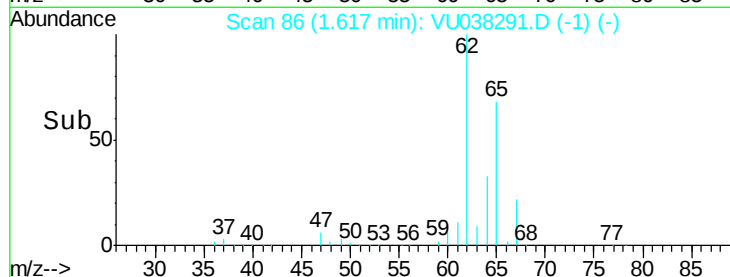
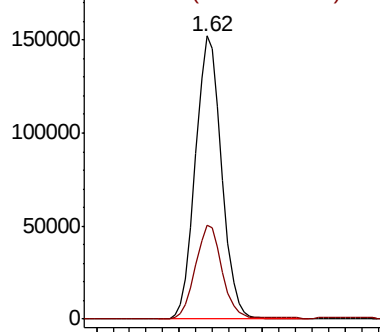
Ion Ratio Lower Upper

62 100

64 33.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.151 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038291.D

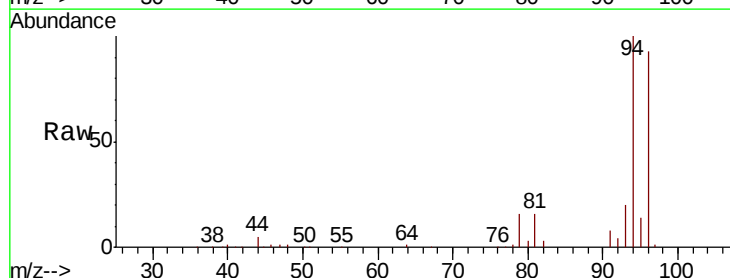
Acq: 26 May 2020 11:04

Tgt Ion: 94 Resp: 87602

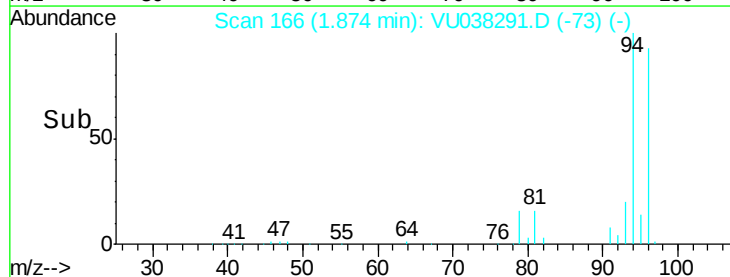
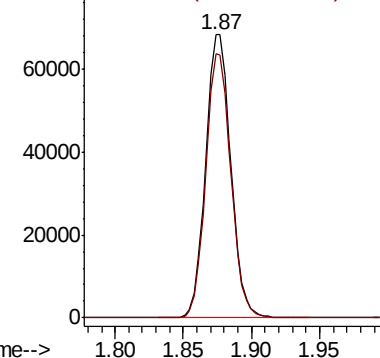
Ion Ratio Lower Upper

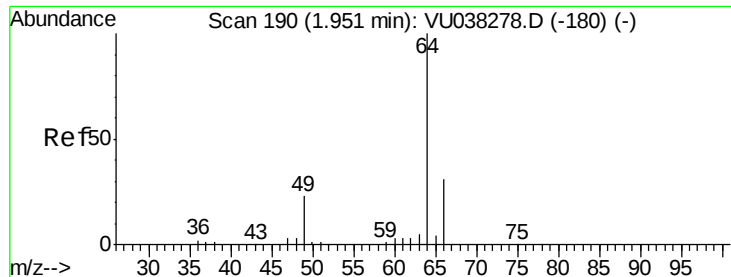
94 100

96 93.3 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.215 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

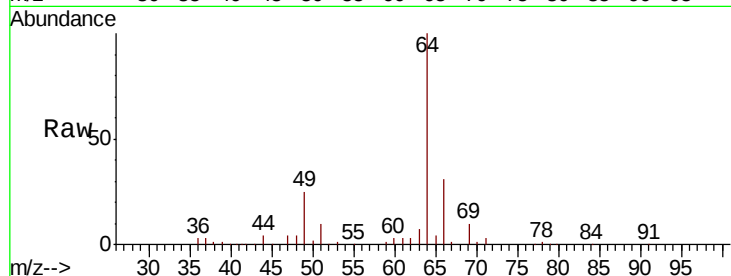
ClientSampleId :

Tot Ion: 64 Resp: 96105

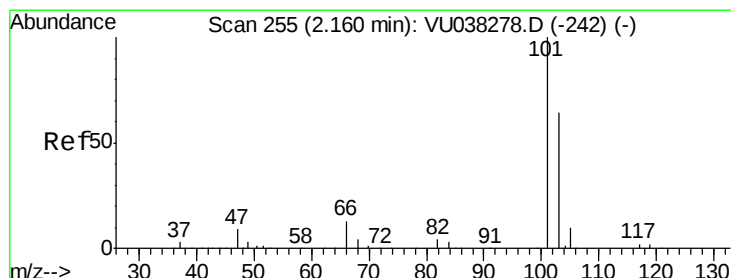
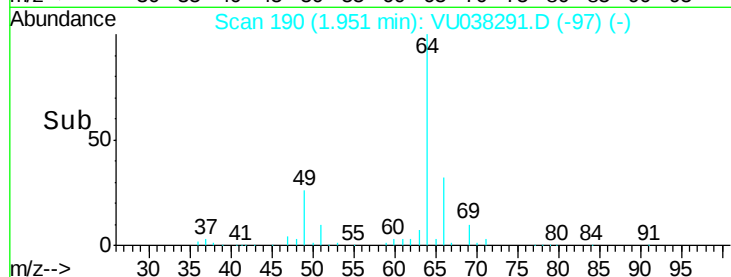
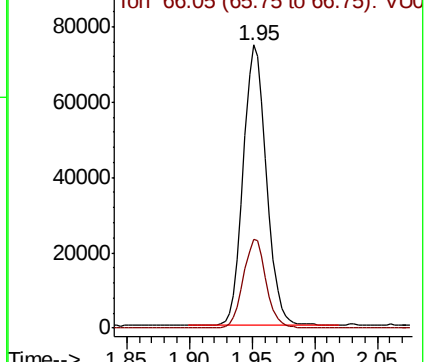
Ion Ratio Lower Upper

64 100

66 31.4 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038278.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.683 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038291.D

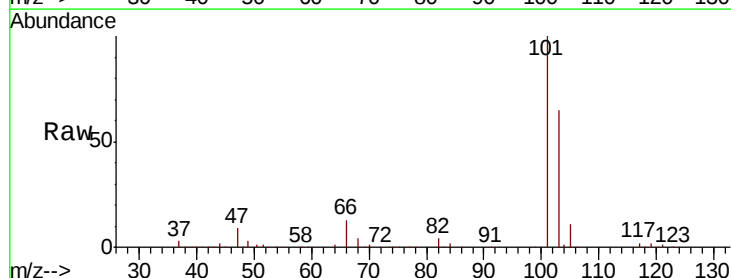
Acq: 26 May 2020 11:04

Tgt Ion:101 Resp: 215394

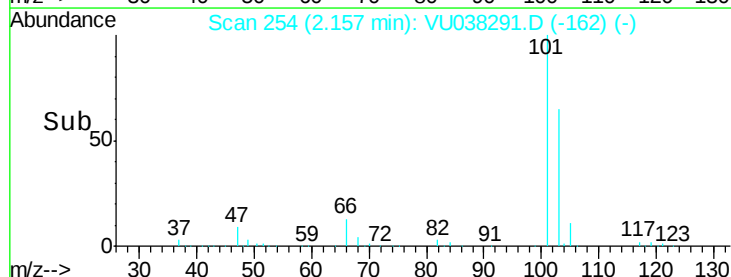
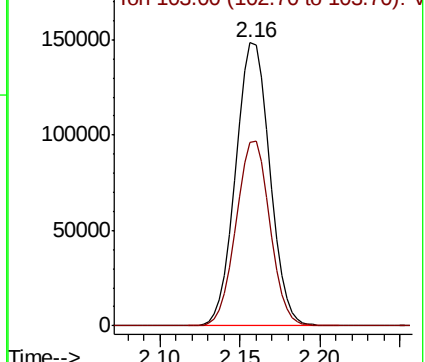
Ion Ratio Lower Upper

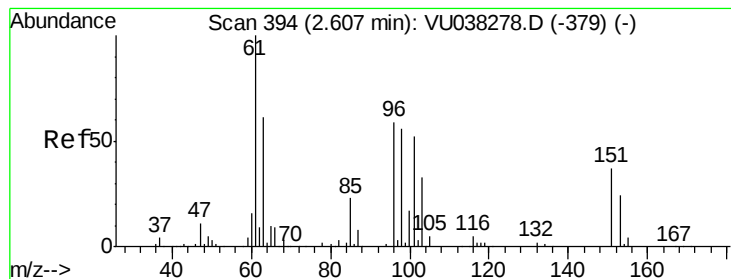
101 100

103 64.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038278.D (-242) (-)





#10

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

Concen: 5.616 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

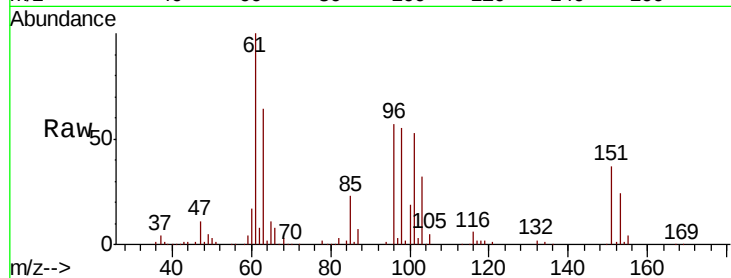
Tot Ion:101 Resp: 131948

Ion Ratio Lower Upper

101 100

85 43.1 35.3 52.9

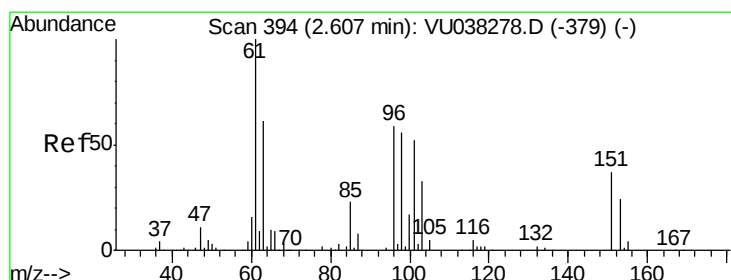
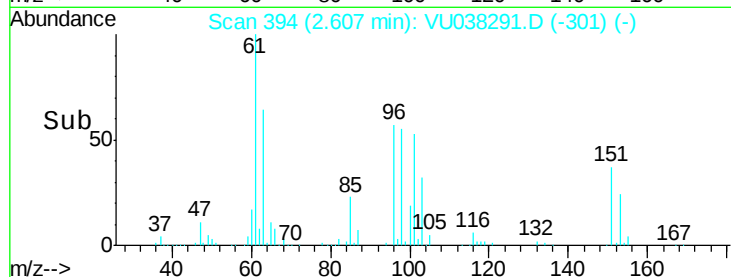
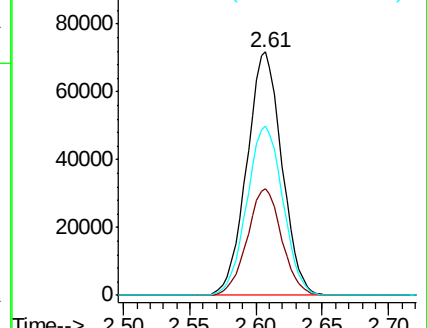
151 71.7 54.2 81.2



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: 5.340 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

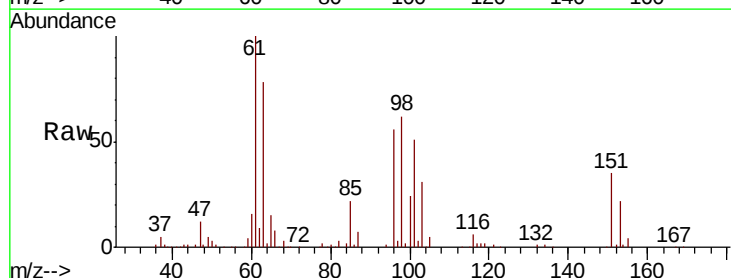
Tgt Ion: 96 Resp: 127181

Ion Ratio Lower Upper

96 100

61 179.5 126.2 234.4

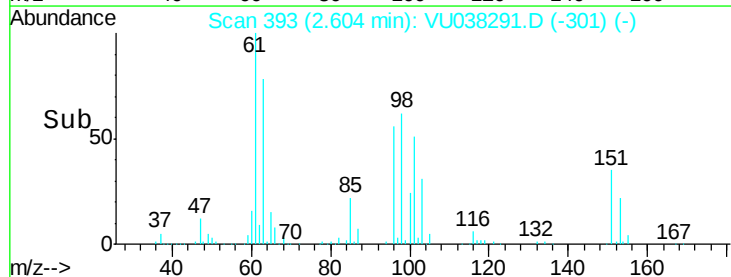
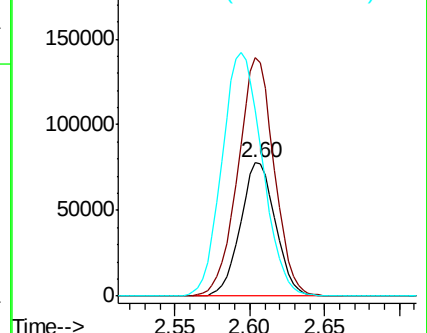
63 139.7 96.9 179.9

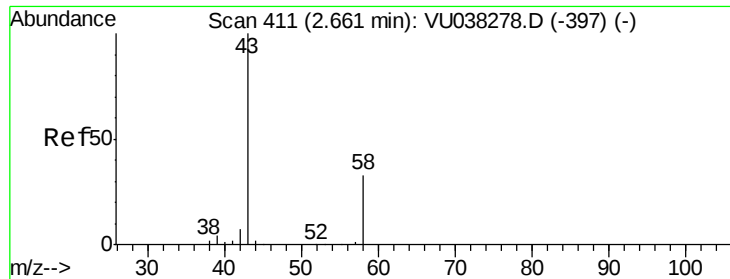


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.088 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

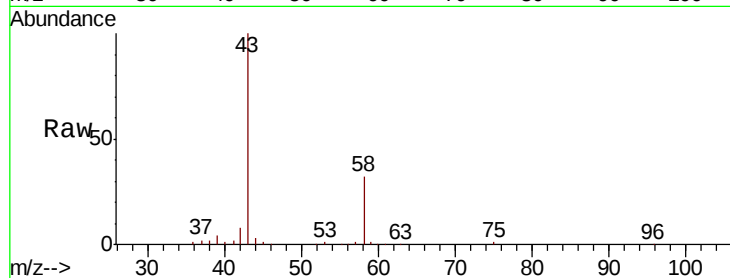
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 262850

Ion Ratio Lower Upper

43 100

58 33.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038291.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU038291.D (-318) (-)

2.67

120000

100000

80000

60000

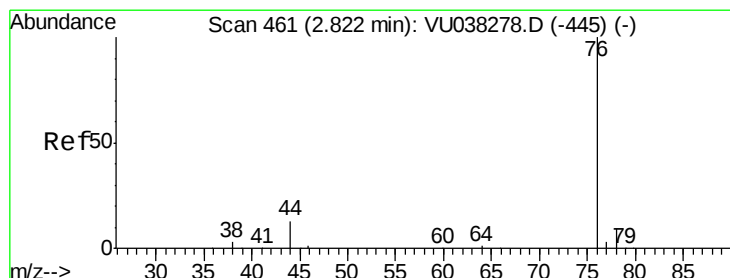
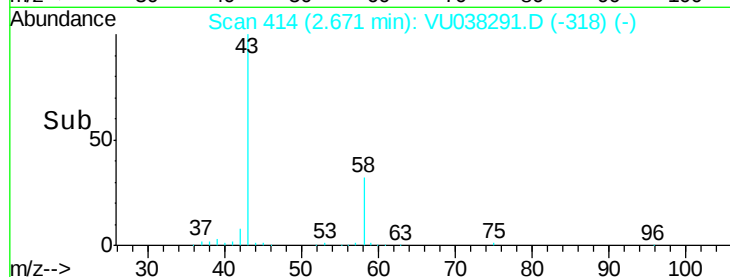
40000

20000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.156 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038291.D

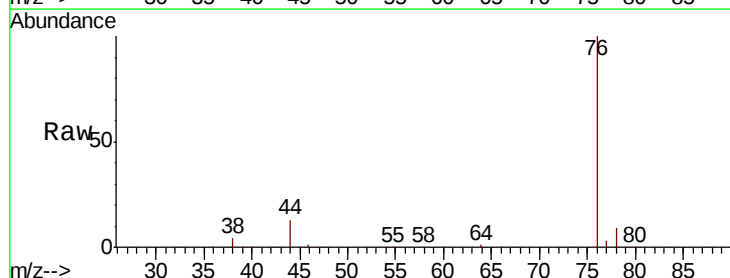
Acq: 26 May 2020 11:04

Tgt Ion: 76 Resp: 438083

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038291.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038291.D (-368) (-)

2.82

300000

250000

200000

150000

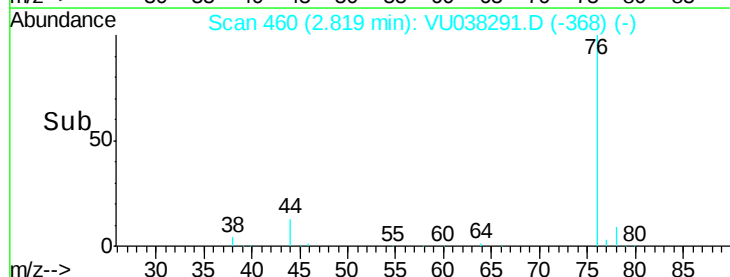
100000

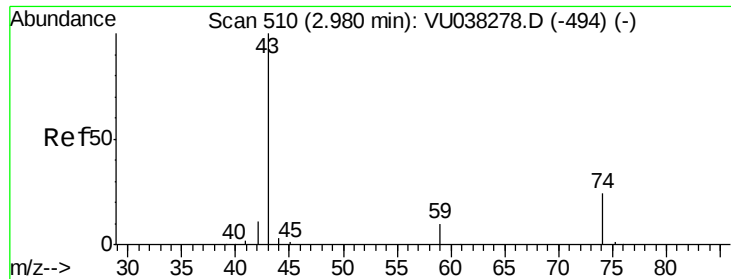
50000

0

Time-->

2.80 2.90

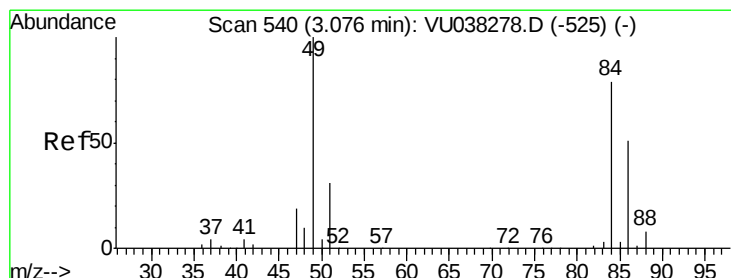
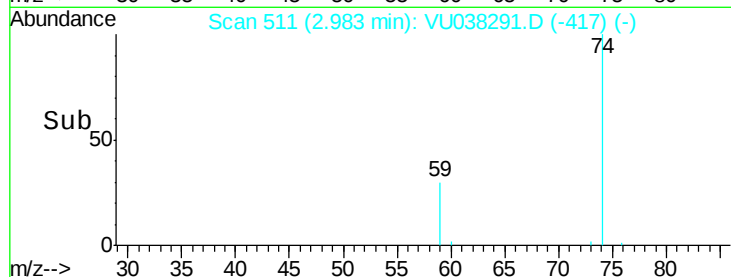
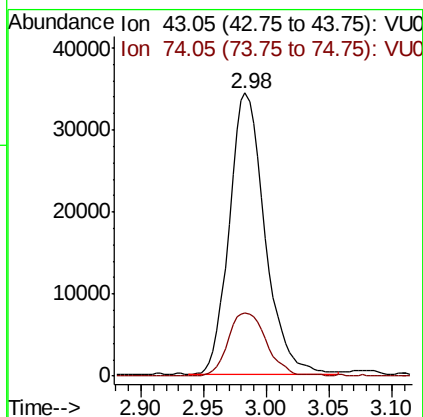
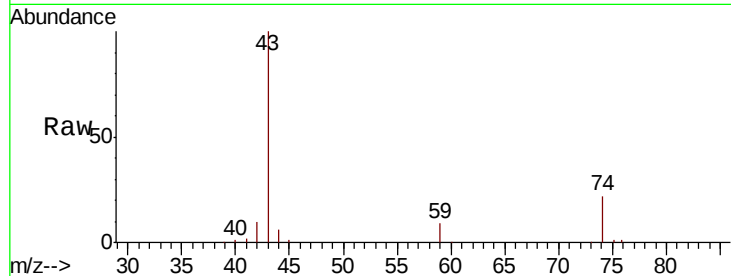




#15
Methvl Acetate
Concen: 4.995 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

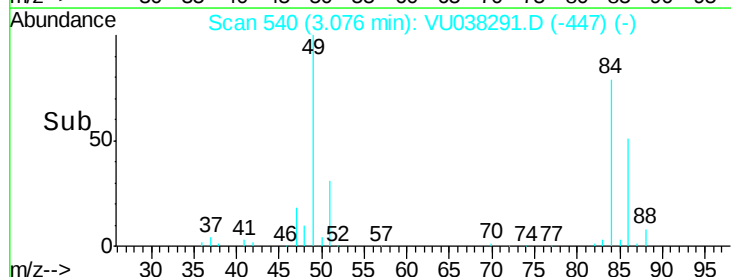
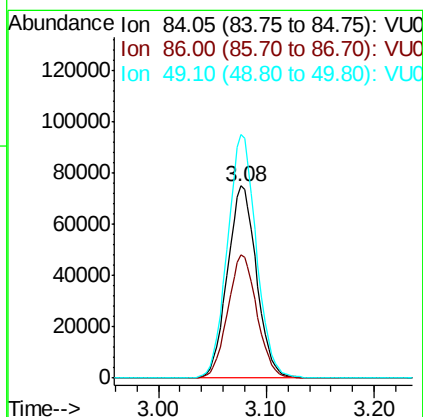
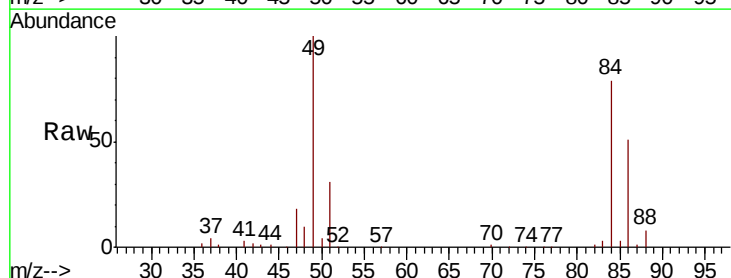
Instrument :
MSVOA_U
ClientSampleId :

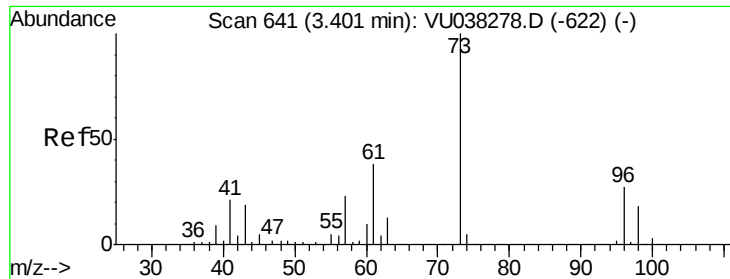
Tot Ion: 43 Resp: 67901
Ion Ratio Lower Upper
43 100
74 24.2 18.0 27.0



#16
Methylene chloride
Concen: 5.085 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion: 84 Resp: 141190
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.3
49 126.6 92.0 170.9

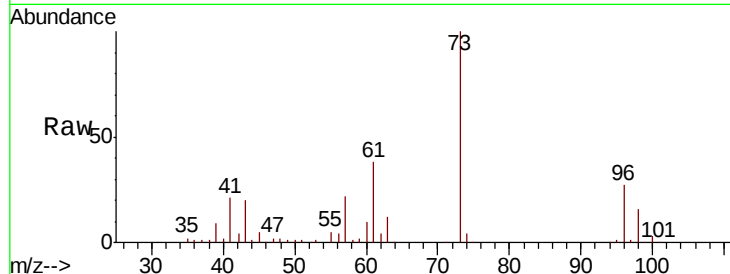




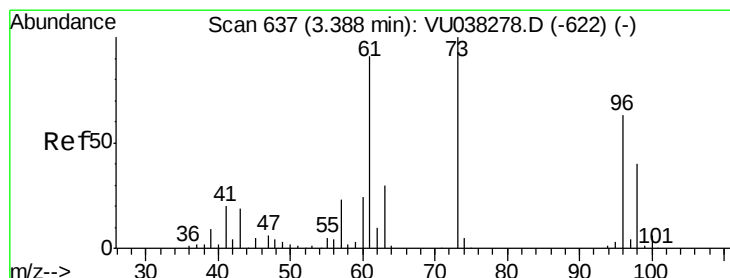
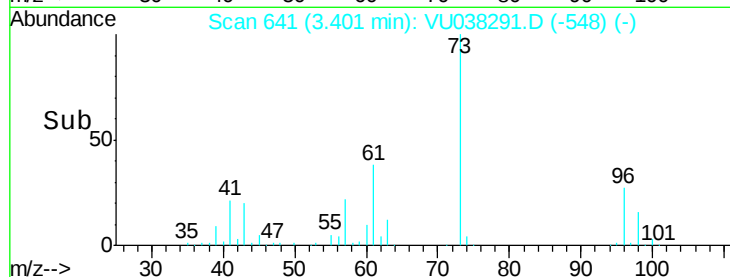
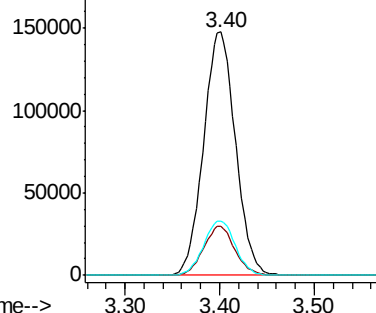
#17
Methvl tert-butvl Ether
Concen: 5.222 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 345580
Ion Ratio Lower Upper
73 100
43 19.7 16.9 25.3
57 22.3 18.2 27.2

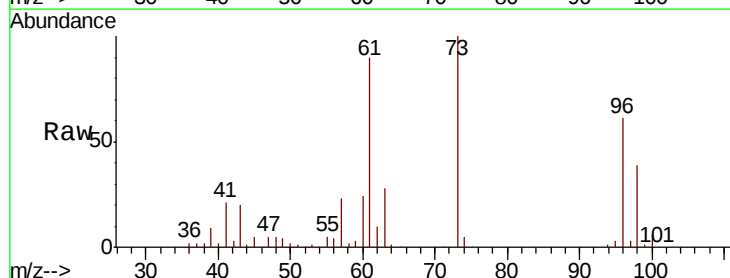


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

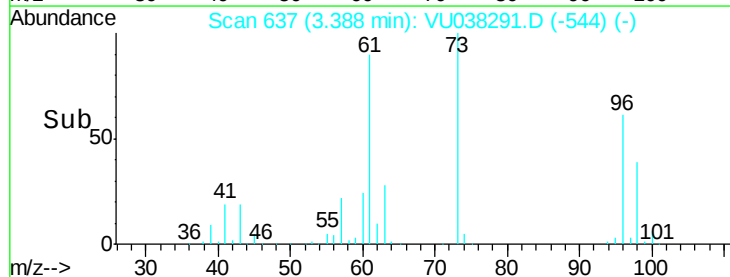
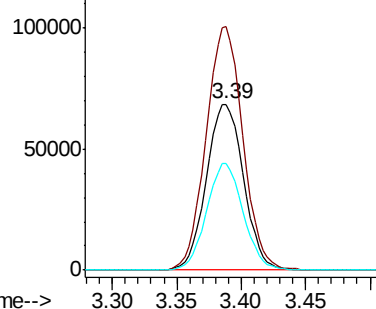


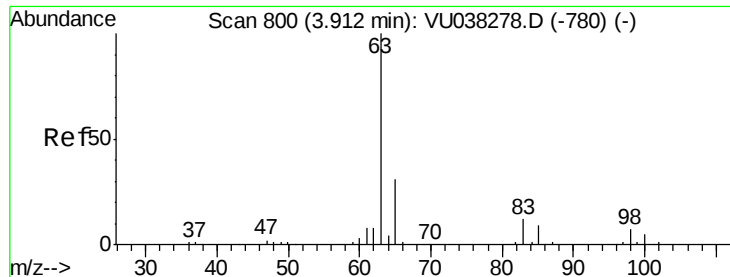
#18
trans-1,2-Dichloroethene
Concen: 5.290 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion: 96 Resp: 137566
Ion Ratio Lower Upper
96 100
61 147.0 102.1 189.5
98 64.3 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

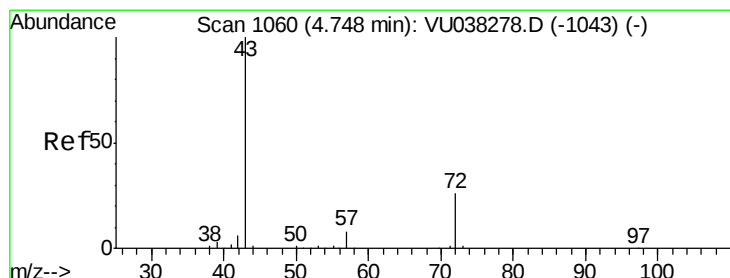
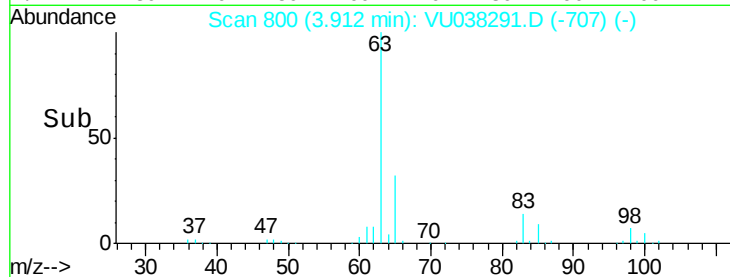
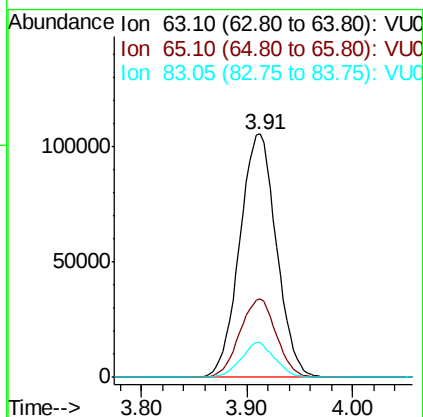
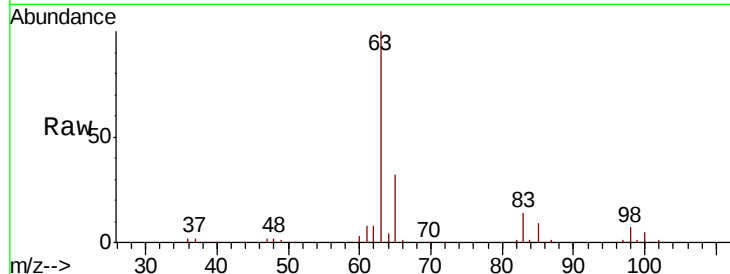




#19
 1,1-Dichloroethane
 Concen: 5.037 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

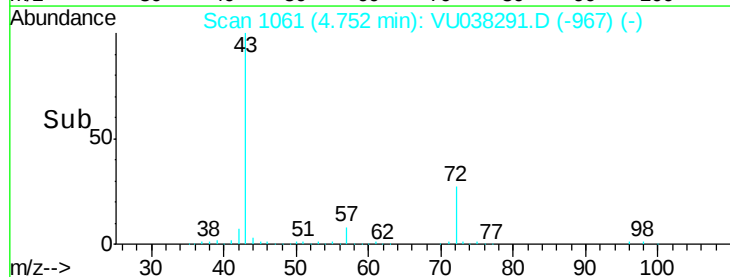
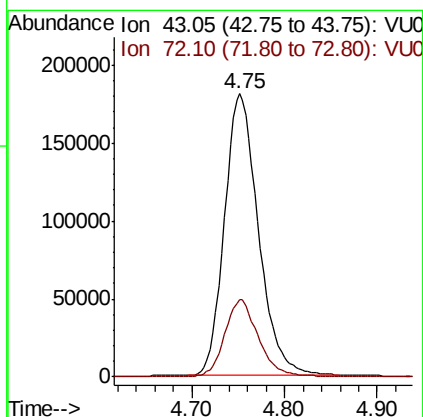
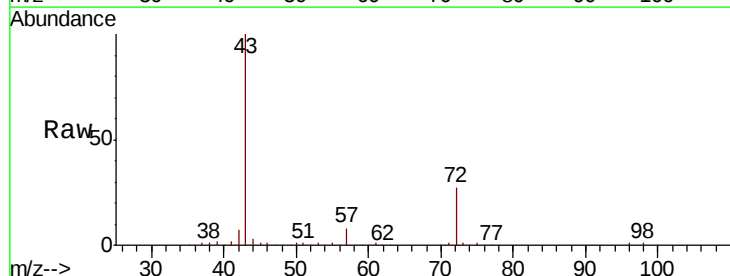
Instrument :
 MSVOA_U
 ClientSampled :

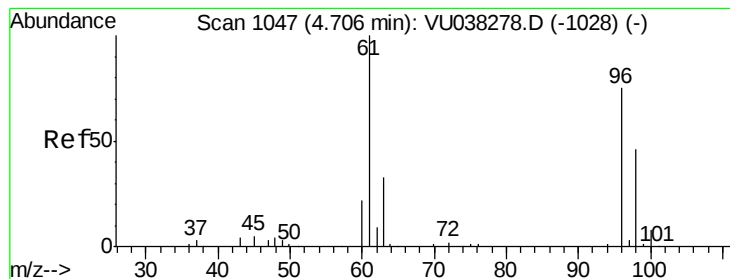
Tot Ion: 63 Resp: 255843
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.5 41.7
 83 14.2 8.9 16.5



#21
 2-Butanone
 Concen: 53.424 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion: 43 Resp: 458250
 Ion Ratio Lower Upper
 43 100
 72 27.7 13.5 40.4





#22

cis-1,2-Dichloroethene

Concen: 5.316 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :
MSVOA_U
ClientSampled :

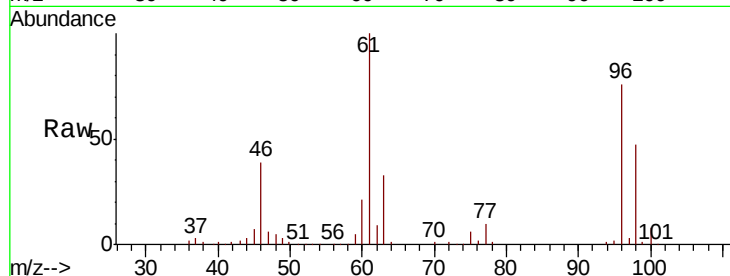
Tot Ion: 96 Resp: 148955

Ion Ratio Lower Upper

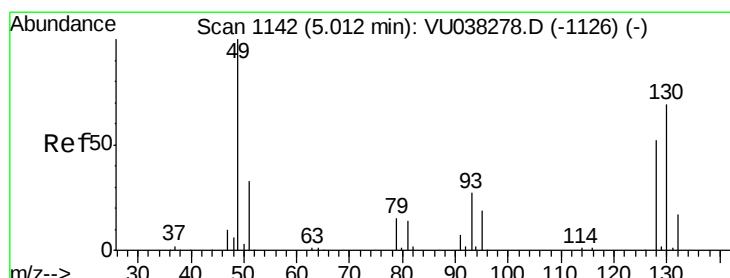
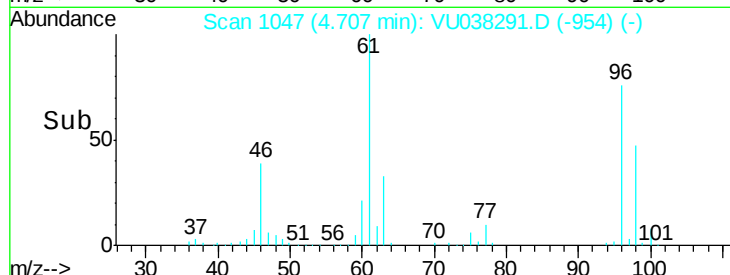
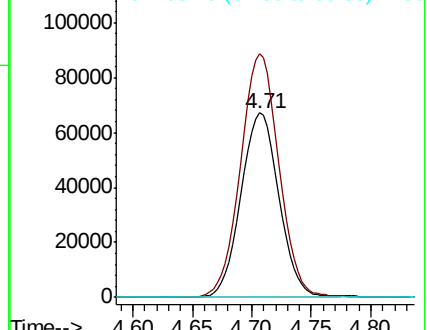
96 100

61 131.9 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: 5.421 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Tgt Ion: 128 Resp: 65367

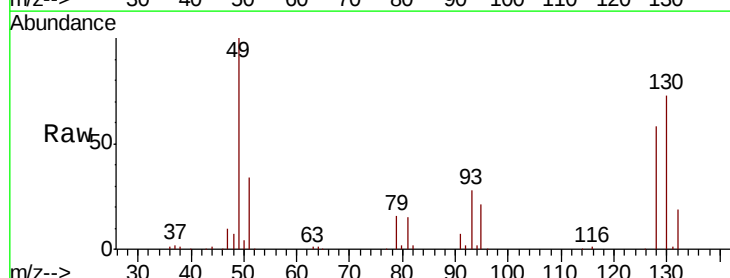
Ion Ratio Lower Upper

128 100

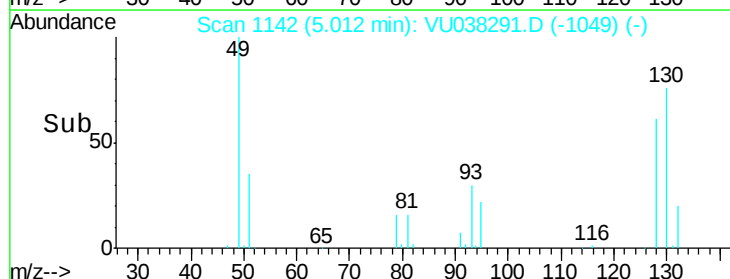
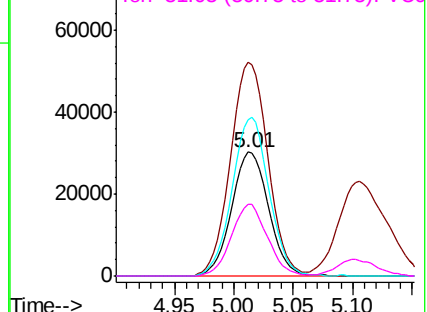
49 172.7 135.6 251.8

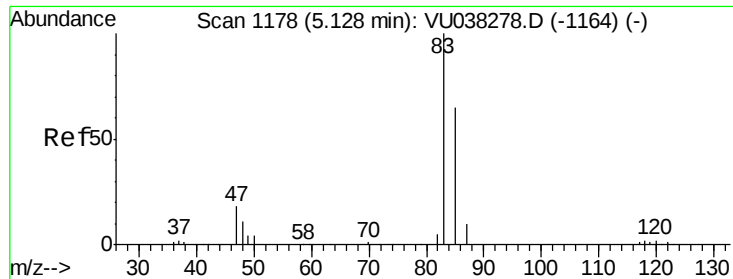
130 125.8 91.4 169.8

51 58.5 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

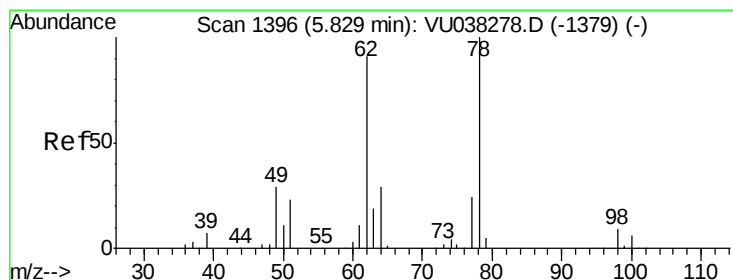
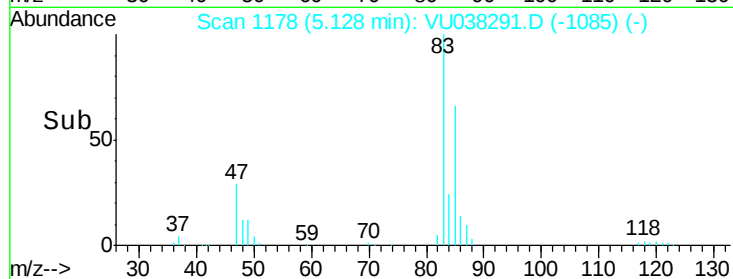
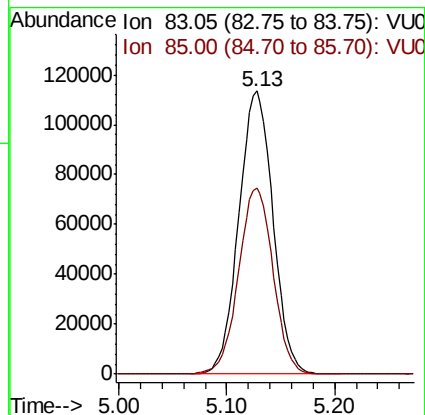
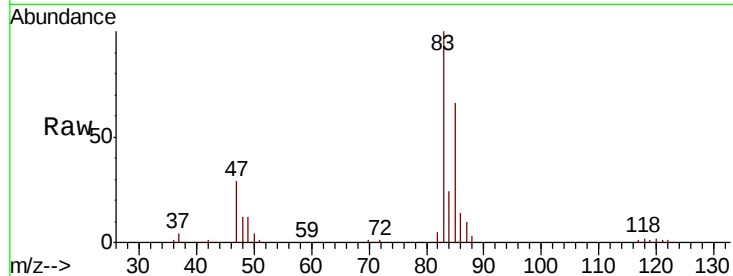




#25
Chloroform
Concen: 5.267 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

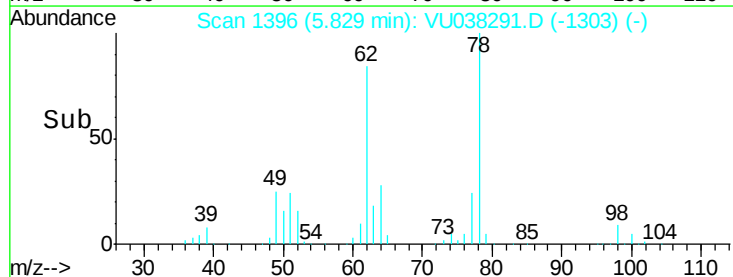
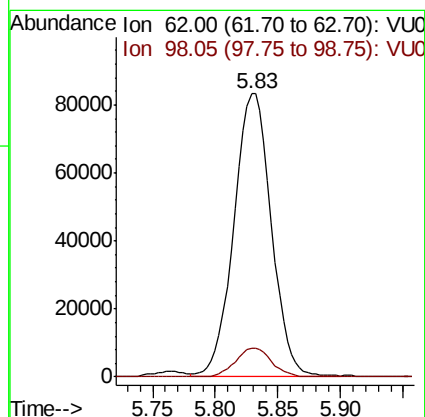
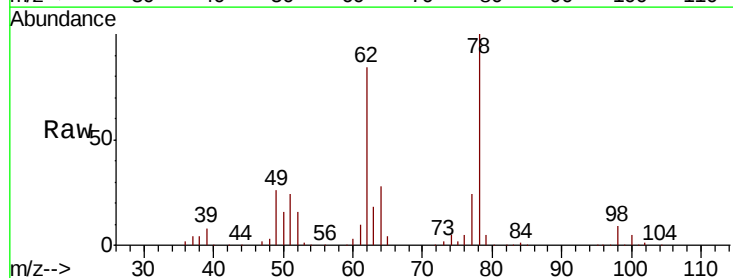
Instrument :
MSVOA_U
ClientSampleId :

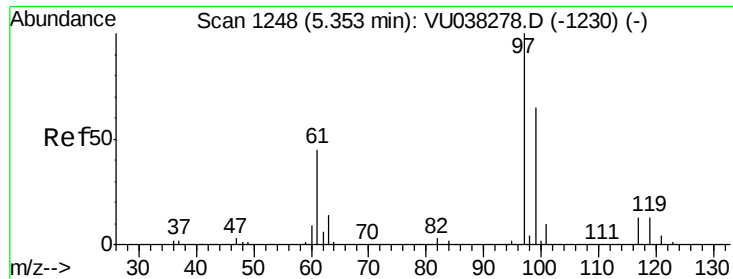
Tot Ion: 83 Resp: 249495
Ion Ratio Lower Upper
83 100
85 65.9 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.141 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion: 62 Resp: 171911
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8

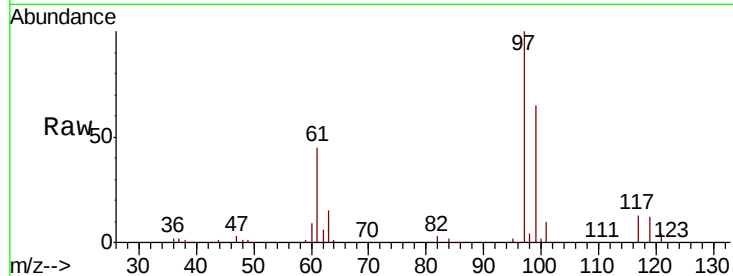




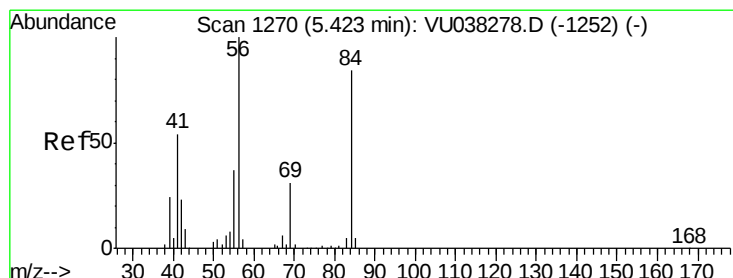
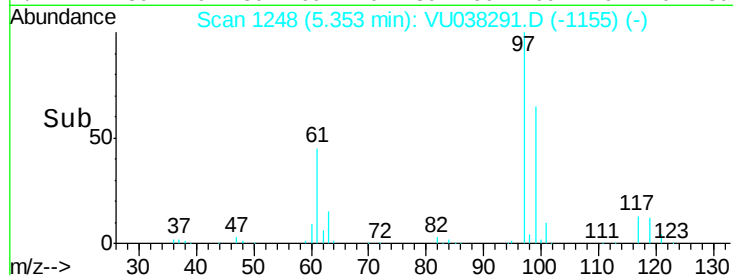
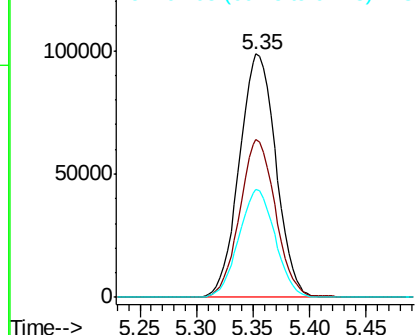
#29
 1,1,1-Trichloroethane
 Concen: 5.869 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	44.0	38.2	57.4

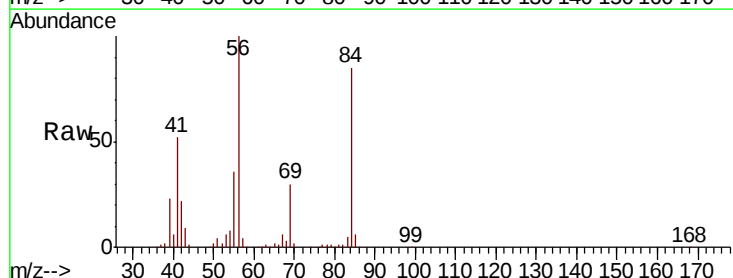


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

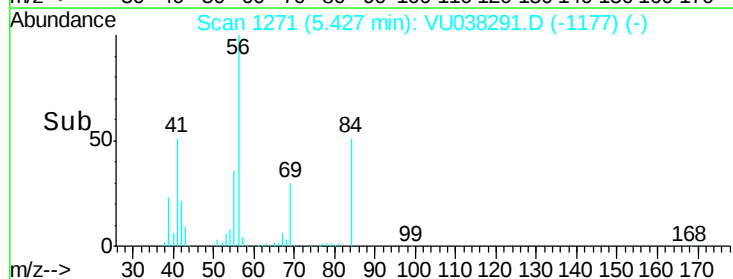
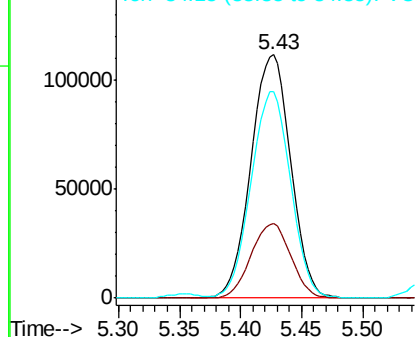


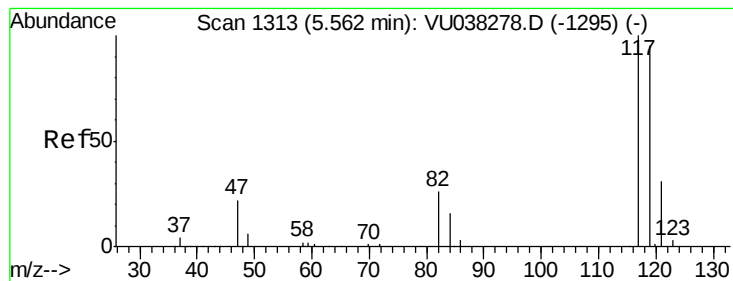
#30
 Cyclohexane
 Concen: 5.632 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.2	36.4
84	84.7	68.5	102.7



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





#31

Carbon tetrachloride

Concen: 6.063 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

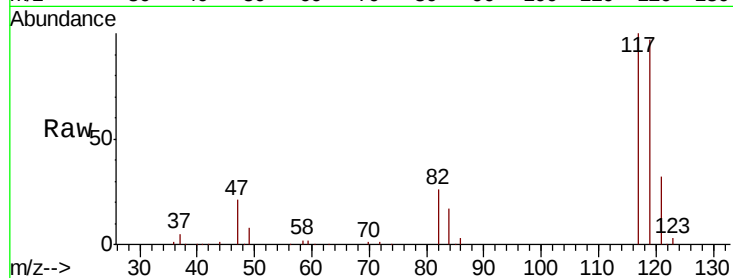
ClientSampleId :

Tot Ion:117 Resp: 184222

Ion Ratio Lower Upper

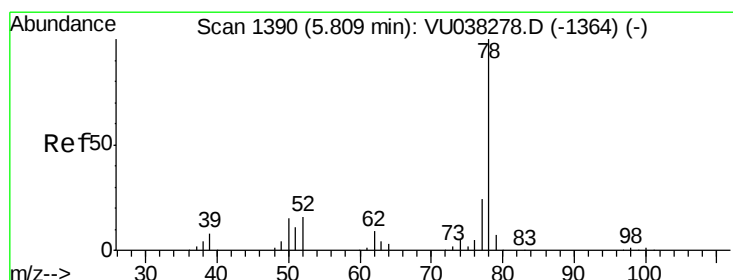
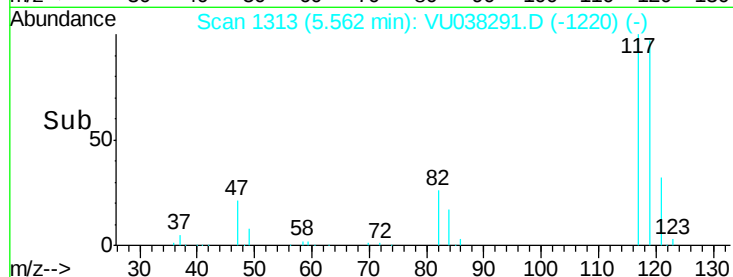
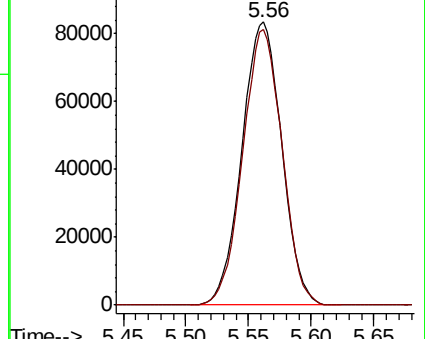
117 100

119 96.2 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: 5.452 ug/L

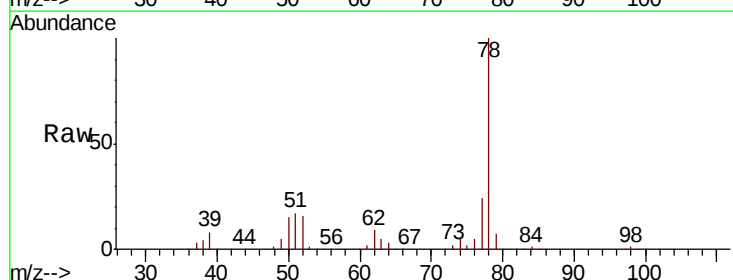
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

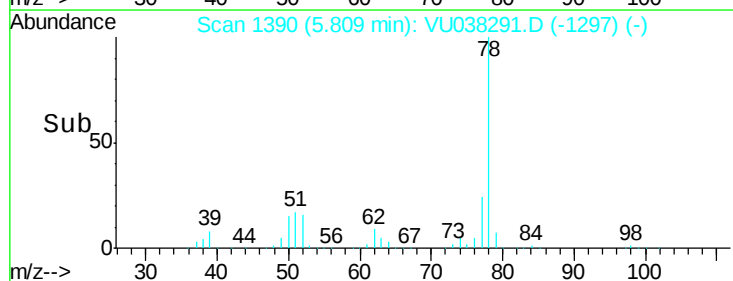
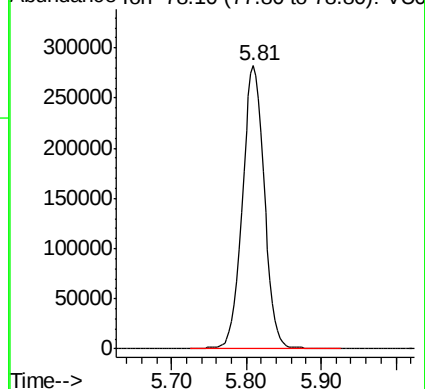
Lab File: VU038291.D

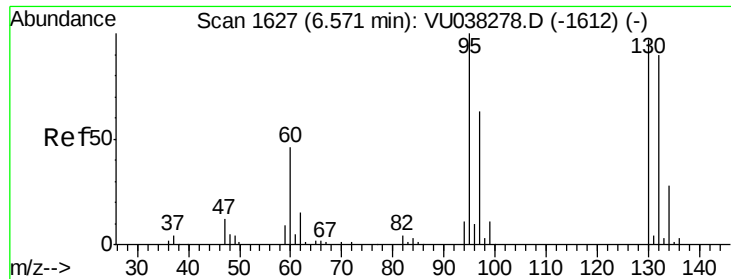
Acq: 26 May 2020 11:04

Tgt Ion: 78 Resp: 576094



Abundance Ion 78.10 (77.80 to 78.80): VU0

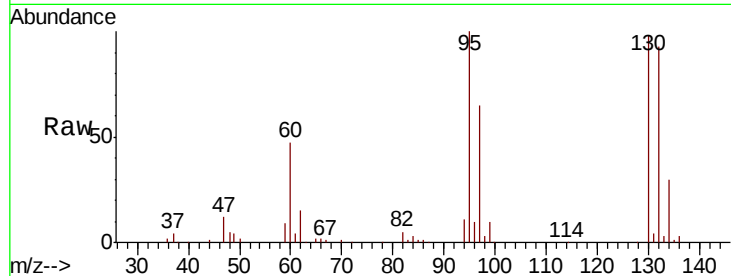




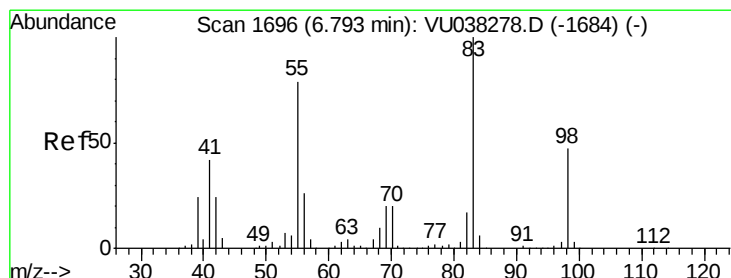
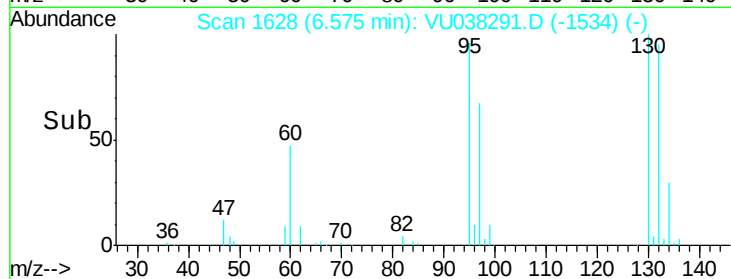
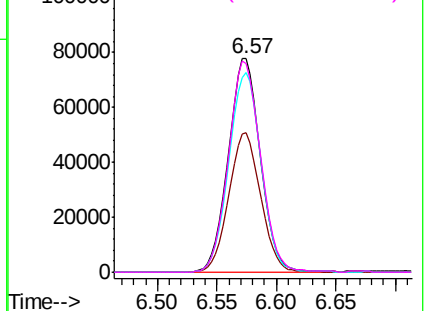
#34
 Trichloroethene
 Concen: 5.514 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 145715
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.9 83.3
 132 93.2 63.3 117.5
 130 97.8 65.7 122.1

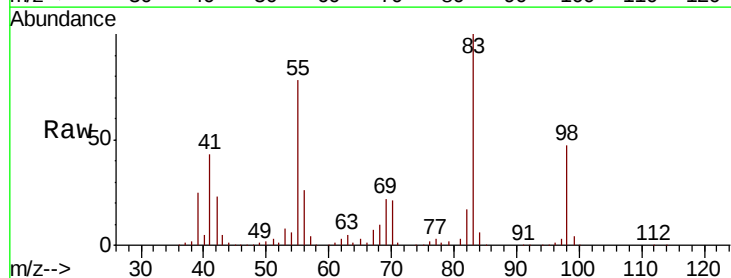


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

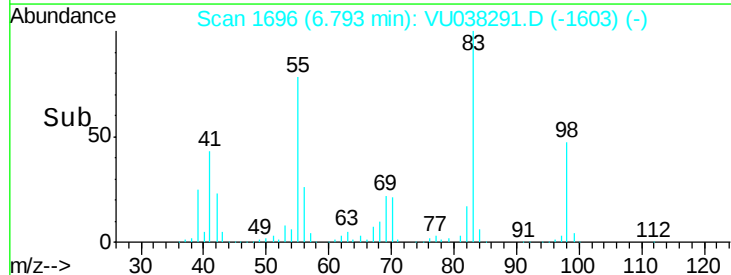
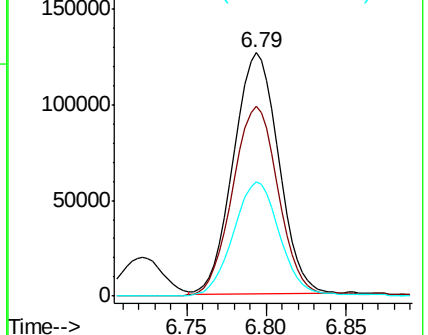


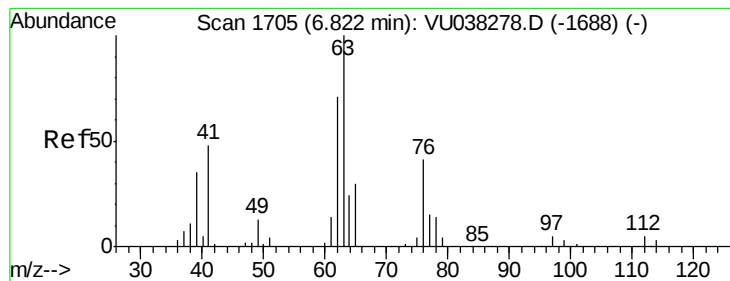
#35
 Methylcyclohexane
 Concen: 5.670 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion: 83 Resp: 242724
 Ion Ratio Lower Upper
 83 100
 55 80.9 66.7 100.1
 98 49.0 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: 5.209 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

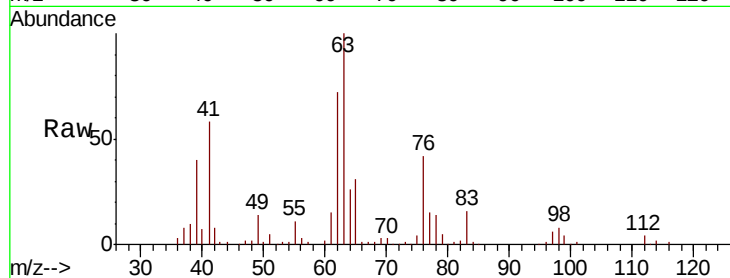
ClientSampled :

Tot Ion: 63 Resp: 149519

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038278.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038278.D (-1688) (-)

6.82

80000

60000

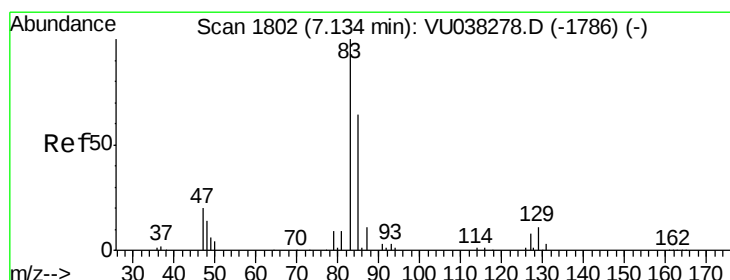
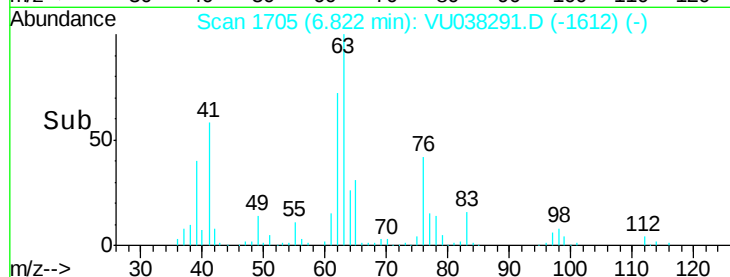
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.514 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

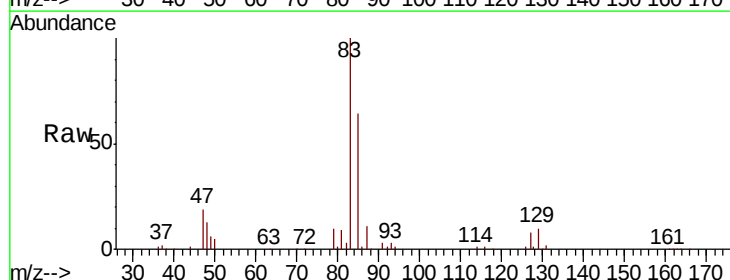
Tgt Ion: 83 Resp: 182954

Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

127 7.8 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038278.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038278.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038278.D (-1786) (-)

7.13

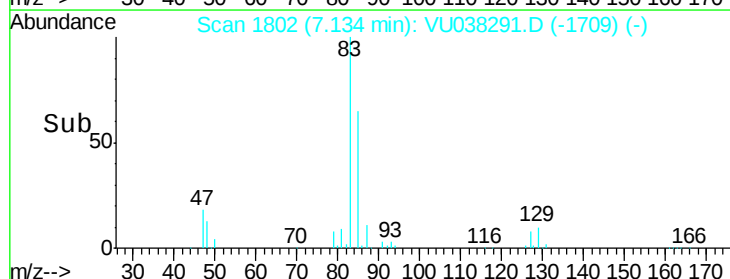
100000

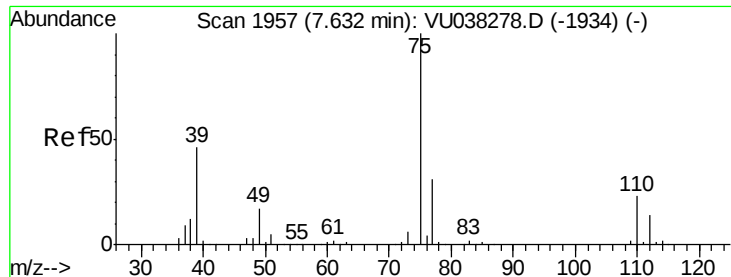
50000

0

7.05 7.10 7.15 7.20

Time-->

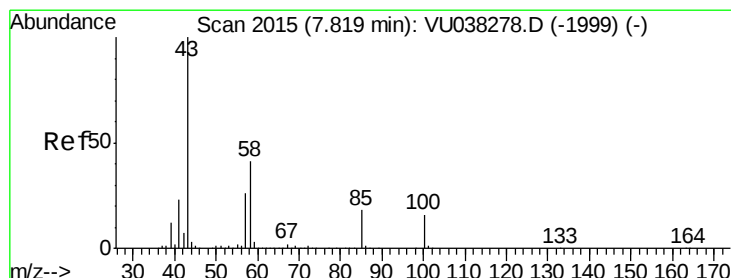
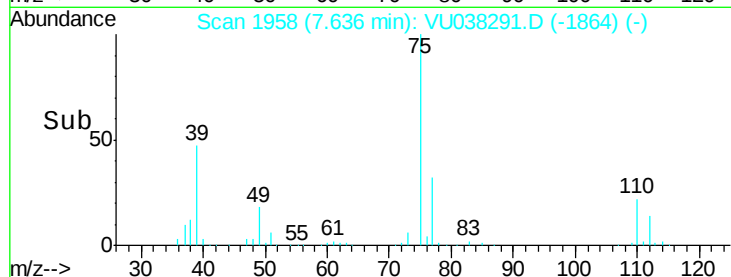
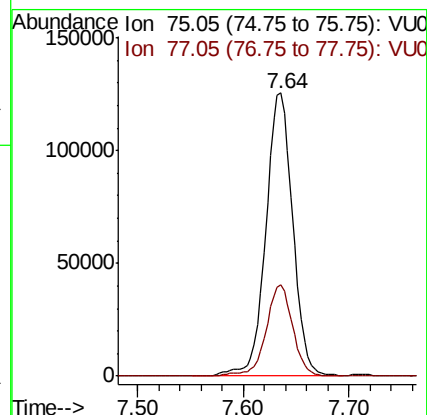
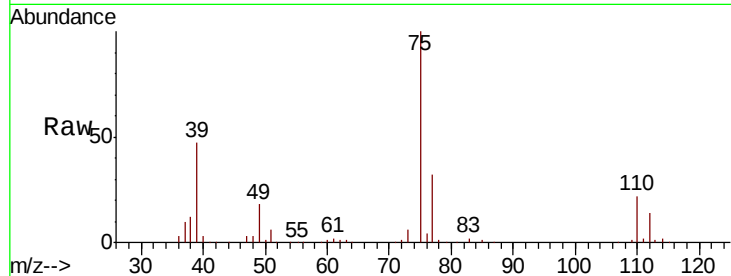




#39
 cis-1,3-Dichloropropene
 Concen: 5.440 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

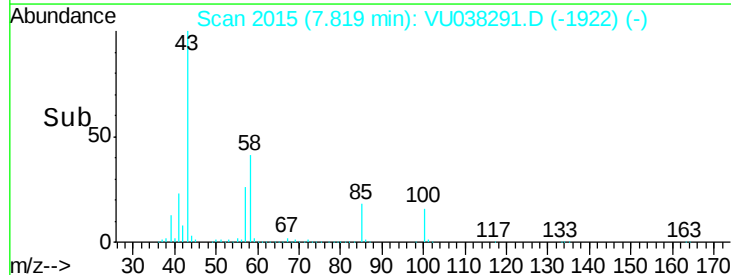
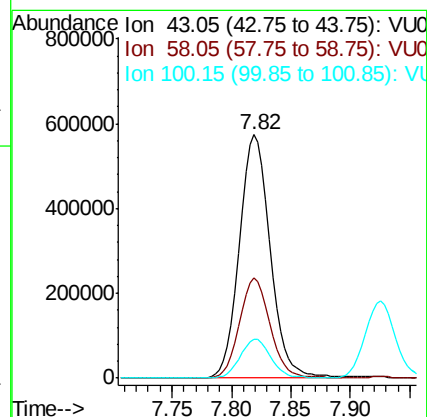
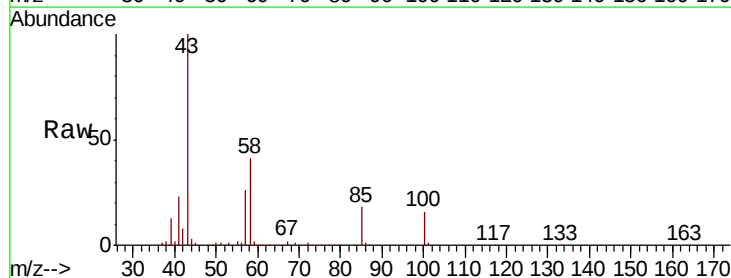
Instrument :
 MSVOA_U
 ClientSampleId :

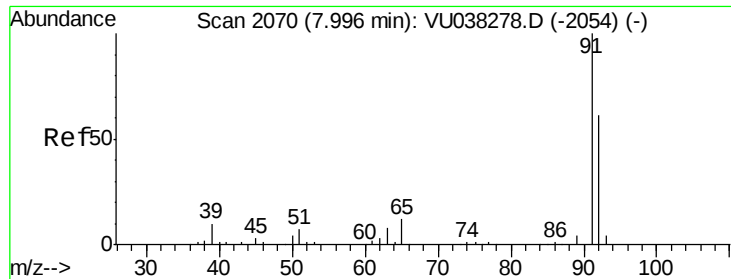
Tot Ion: 75 Resp: 223455
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 51.973 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion: 43 Resp: 1033866
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 16.1 12.1 18.1





#42

Toluene

Concen: 5.519 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

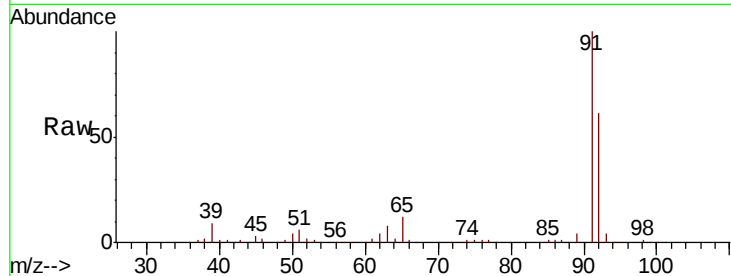
ClientSampleId :

Tot Ion: 91 Resp: 615671

Ion Ratio Lower Upper

91 100

92 60.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038278.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038291.D (-1977) (-)

8.00

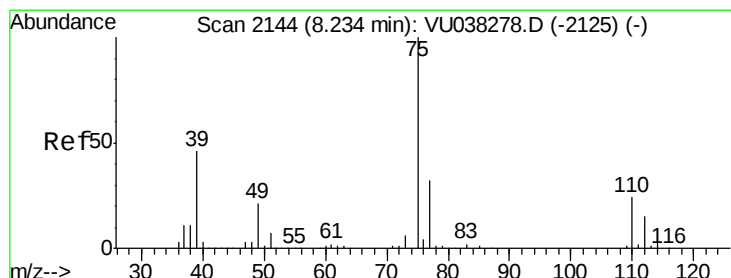
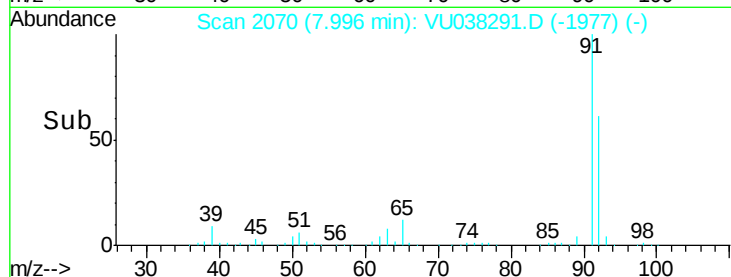
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.522 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038291.D

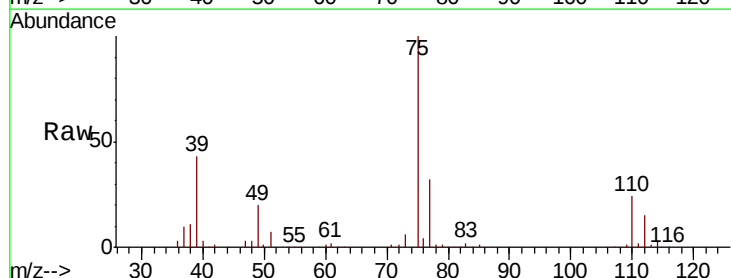
Acq: 26 May 2020 11:04

Tgt Ion: 75 Resp: 192897

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038278.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038291.D (-2051) (-)

8.23

120000

100000

80000

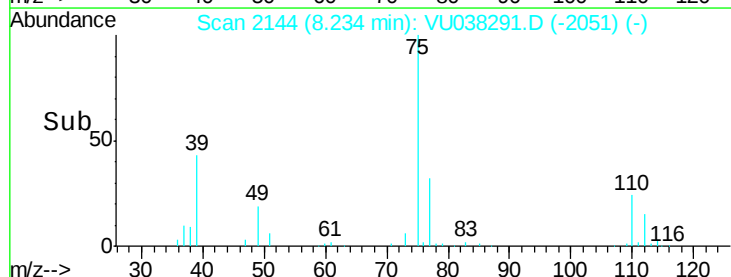
60000

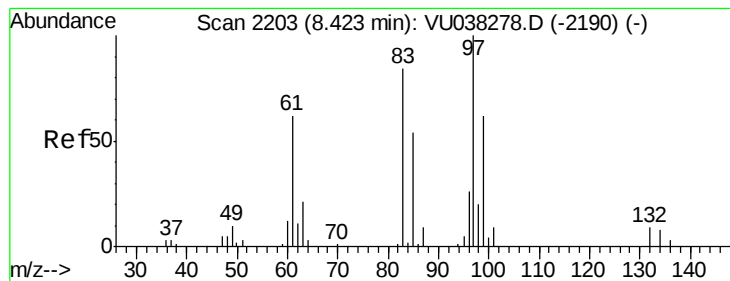
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.423 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 108088

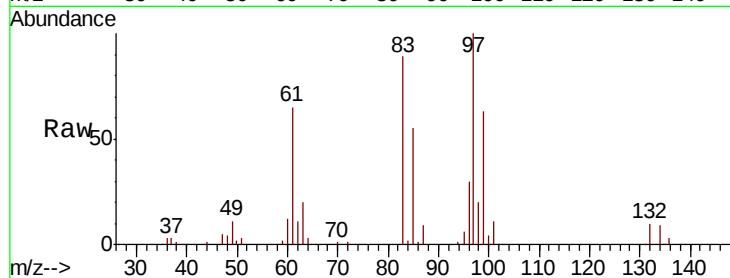
Ion Ratio Lower Upper

97 100

99 63.0 44.0 81.6

83 89.1 59.6 110.8

85 54.9 41.3 76.7

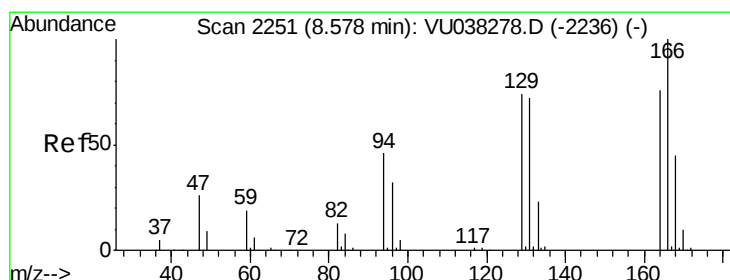
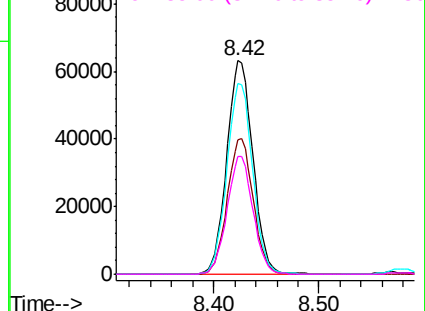
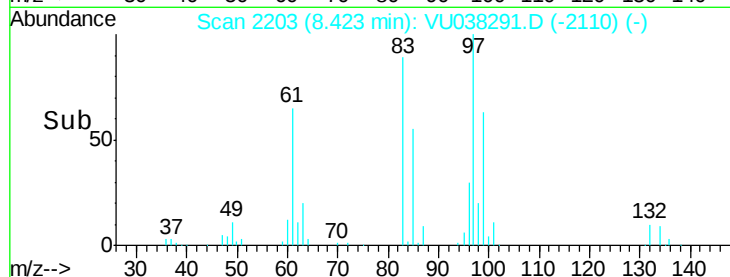


Abundance Ion 96.95 (96.65 to 97.65): VU038291.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038291.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU038291.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038291.D (-2110) (-)



#47

Tetrachloroethene

Concen: 5.759 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Tgt Ion: 164 Resp: 106467

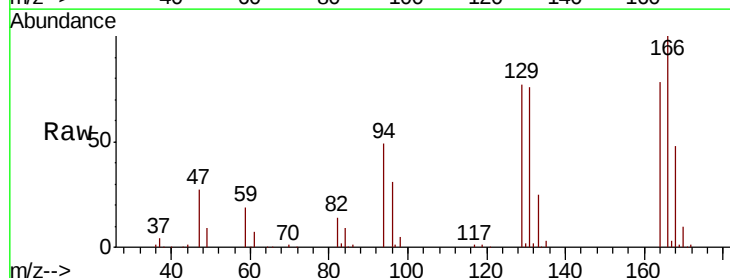
Ion Ratio Lower Upper

164 100

129 98.8 68.8 127.8

131 98.0 66.8 124.2

166 128.3 88.9 165.1

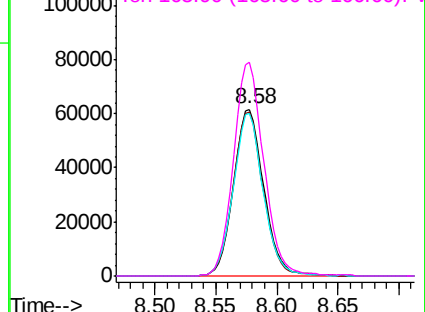
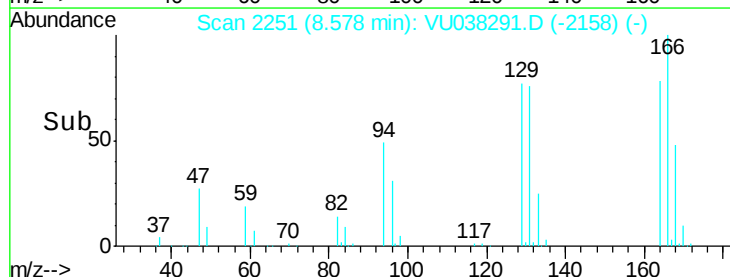


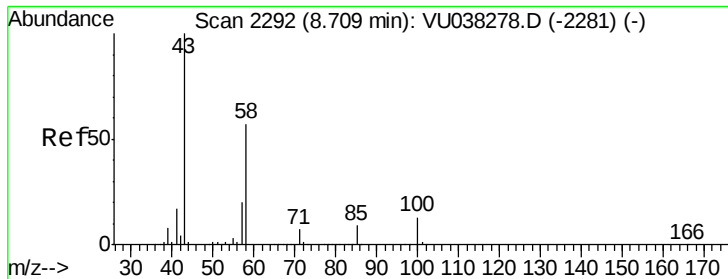
Abundance Ion 163.90 (163.60 to 164.60): VU038291.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU038291.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU038291.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU038291.D (-2158) (-)

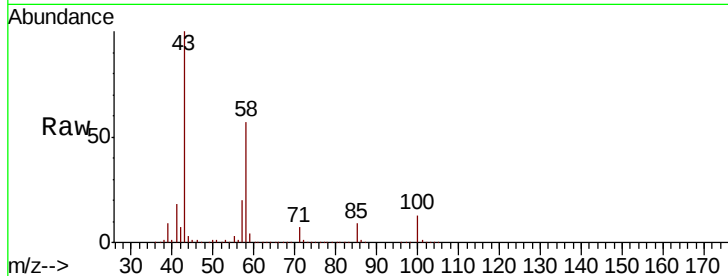




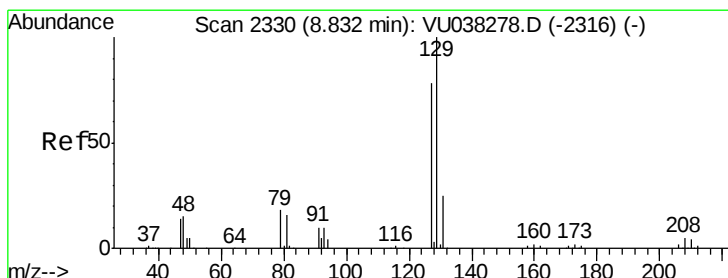
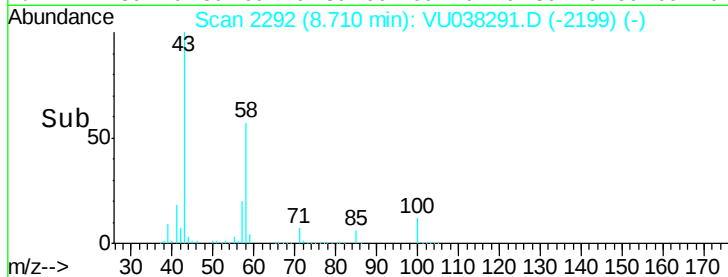
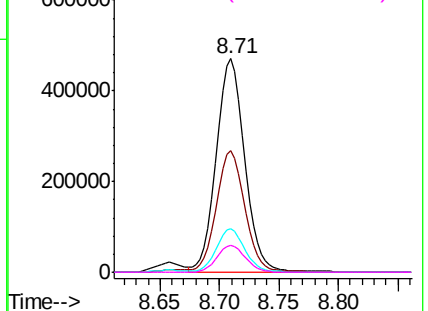
#48
2-Hexanone
Concen: 53.630 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	781280
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.2	67.8
57	20.0	15.5	23.3
100	12.7	9.5	14.3

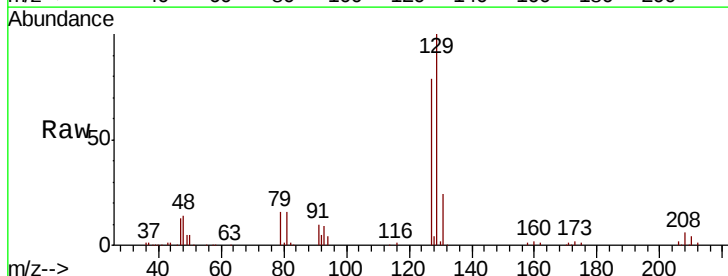


Abundance Ion 43.05 (42.75 to 43.75): VU038291.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VU038291.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VU038291.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VU038291.D (-2199) (-)

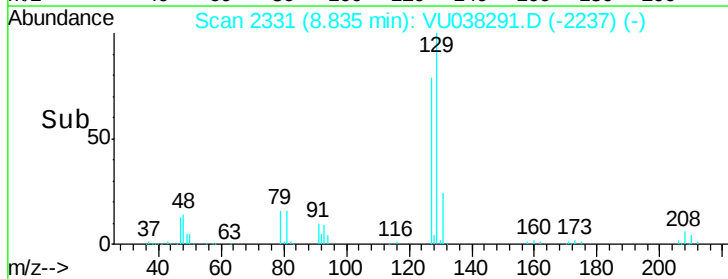
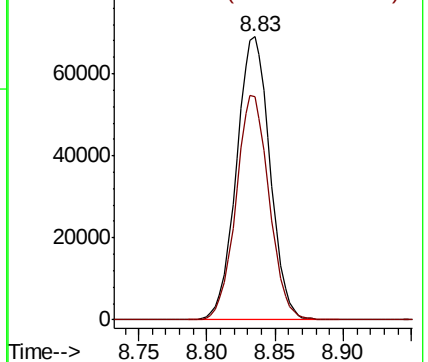


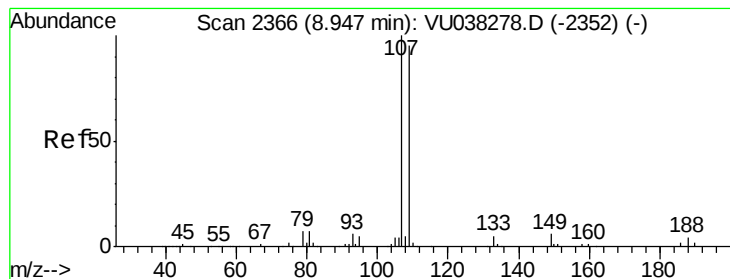
#49
Dibromochloromethane
Concen: 5.696 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion:	129	Resp:	117817
Ion	Ratio	Lower	Upper
129	100		
127	78.6	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU038291.D (-2237) (-)
Ion 126.90 (126.60 to 127.60): VU038291.D (-2237) (-)





#50

1,2-Dibromoethane

Concen: 5.554 ug/L

RT: 8.95 min Scan# 2366

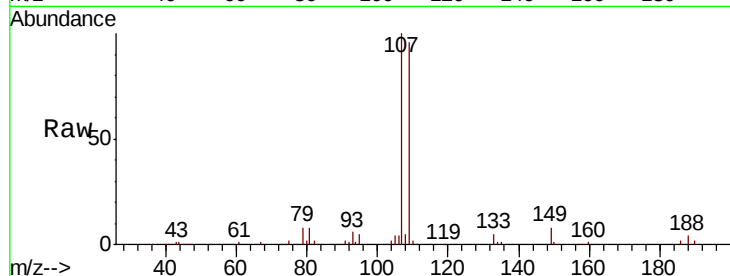
Delta R.T. 0.00 min

Lab File: VU038291.D

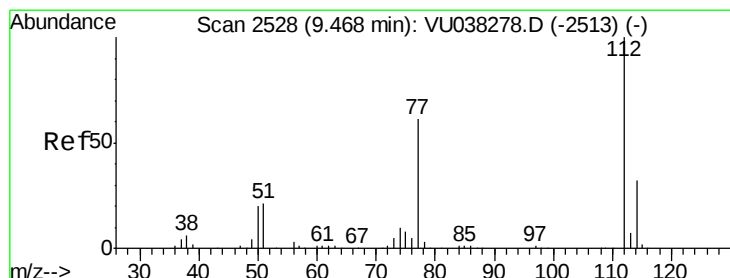
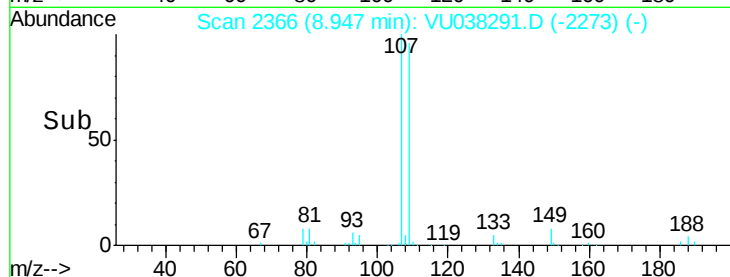
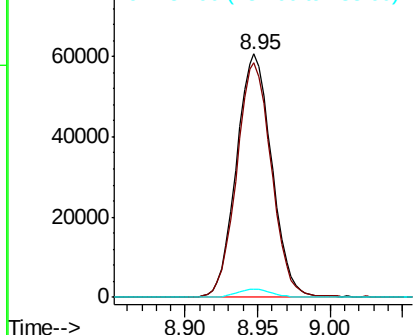
Acq: 26 May 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	107	Resp:	102735
Ion	Ratio	Lower	Upper
107	100		
109	96.3	65.1	120.9
188	3.6	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: 5.507 ug/L

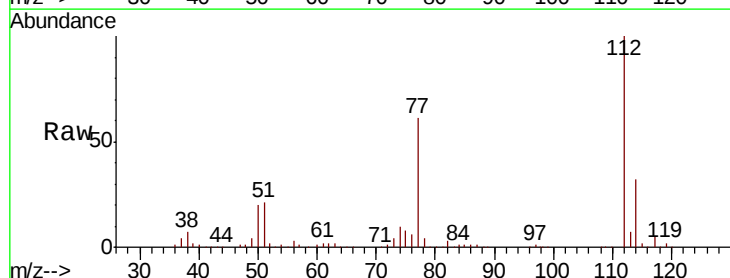
RT: 9.47 min Scan# 2528

Delta R.T. 0.00 min

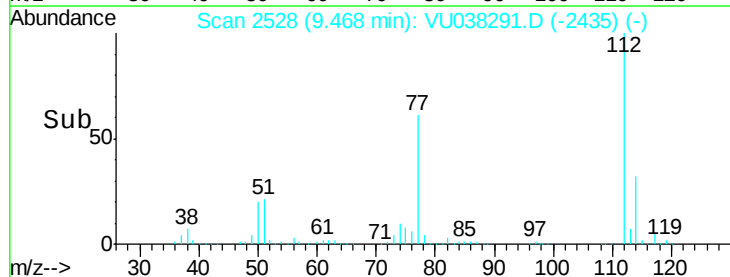
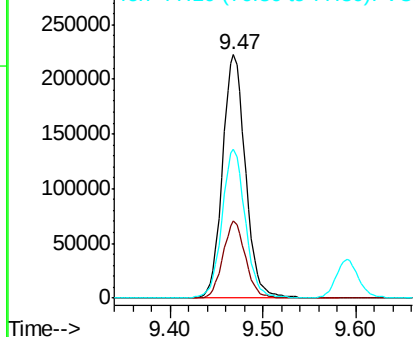
Lab File: VU038291.D

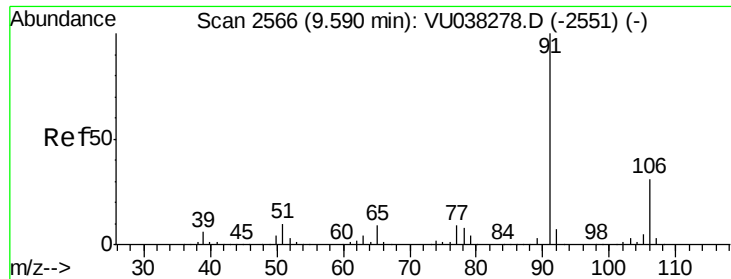
Acq: 26 May 2020 11:04

Tgt Ion:	112	Resp:	381200
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.7
77	60.9	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

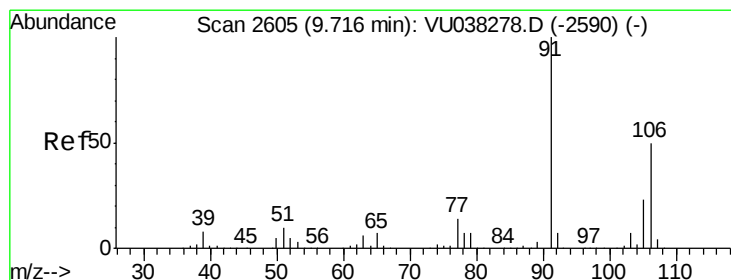
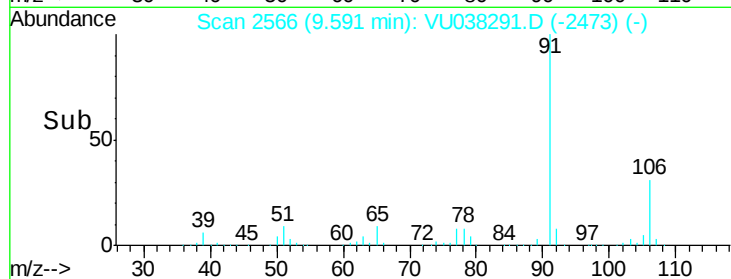
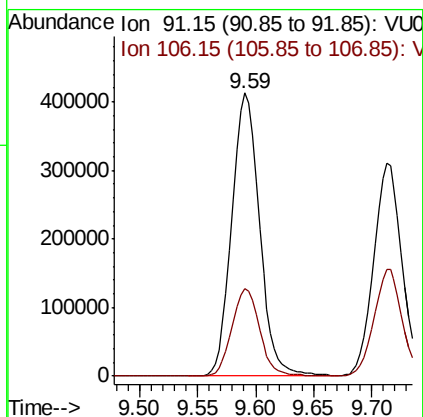
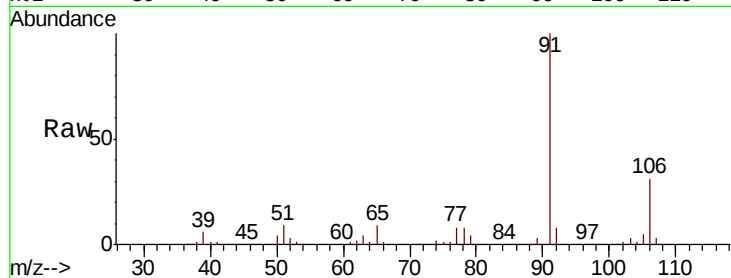




#52
Ethylbenzene
Concen: 5.666 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

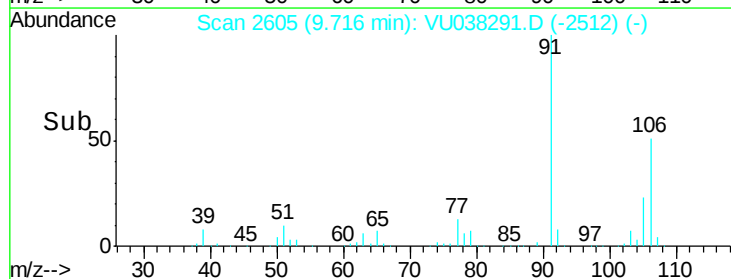
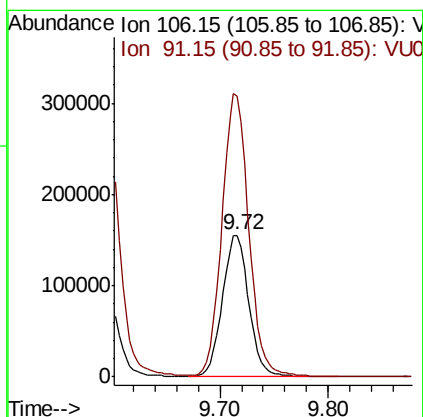
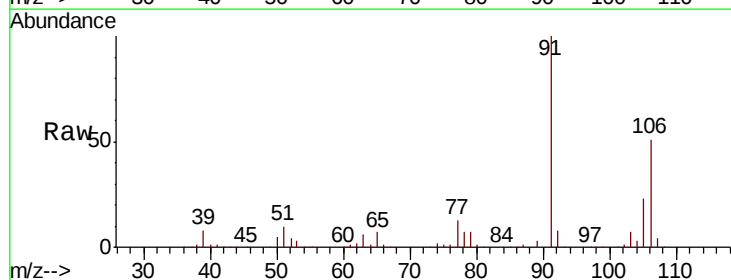
Instrument :
MSVOA_U
ClientSampleId :

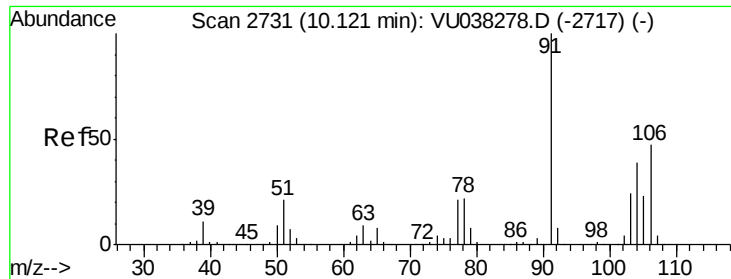
Tot Ion: 91 Resp: 684674
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#53
m,p-Xylene
Concen: 5.730 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion: 106 Resp: 265469
Ion Ratio Lower Upper
106 100
91 197.7 142.1 263.9

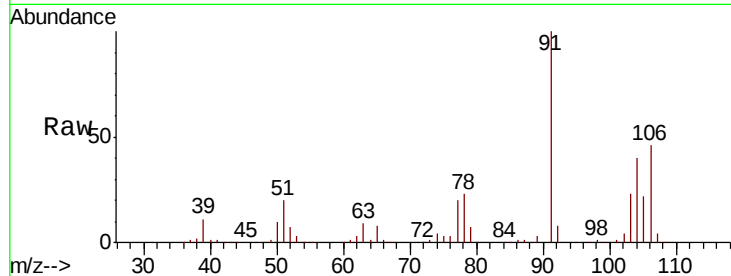




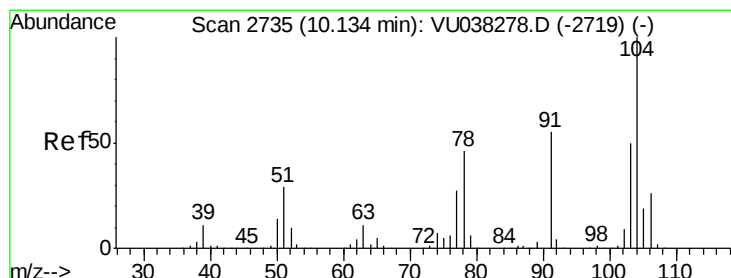
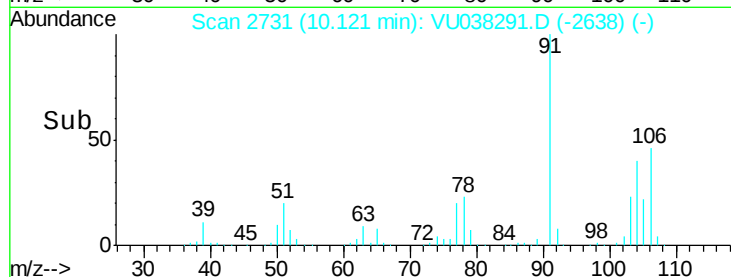
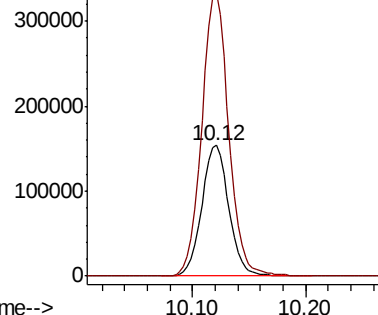
#54
o-Xylene
Concen: 5.715 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 256000
Ion Ratio Lower Upper
106 100
91 216.8 148.5 275.9

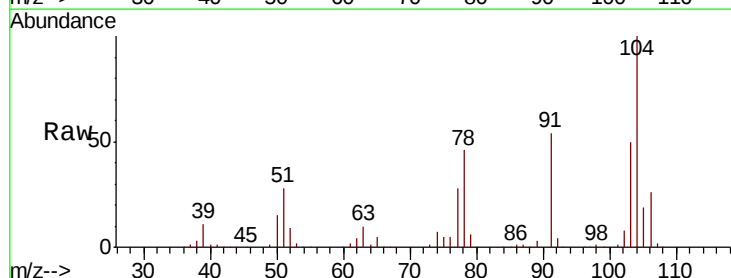


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

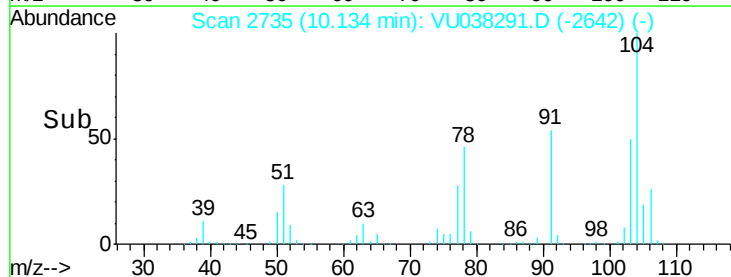
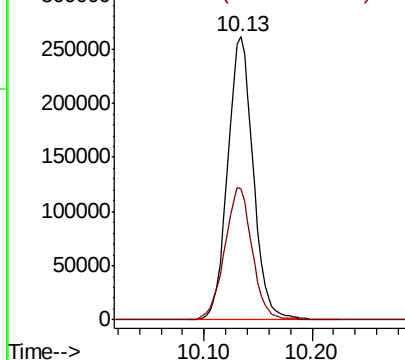


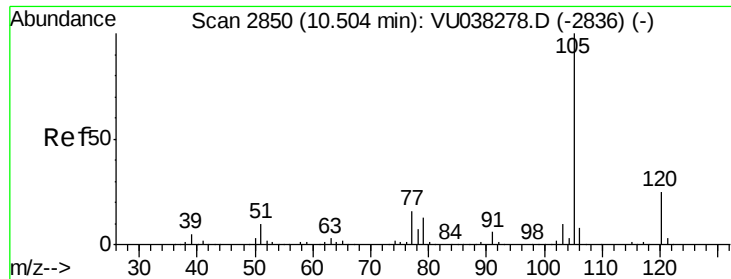
#55
Styrene
Concen: 5.736 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038291.D
Acq: 26 May 2020 11:04

Tgt Ion:104 Resp: 431356
Ion Ratio Lower Upper
104 100
78 46.2 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: 5.901 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

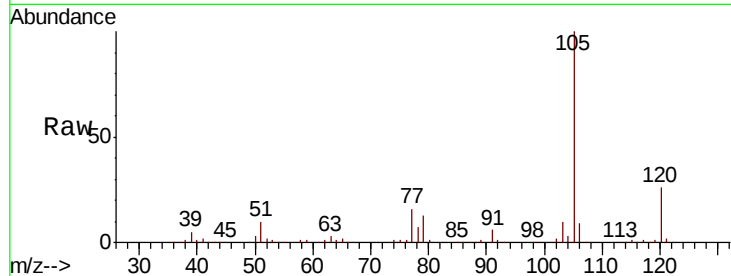
Tot Ion:105 Resp: 679022

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

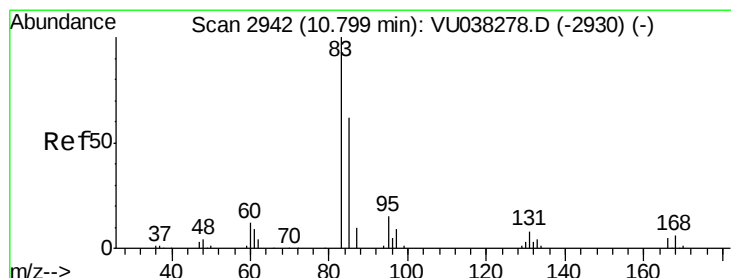
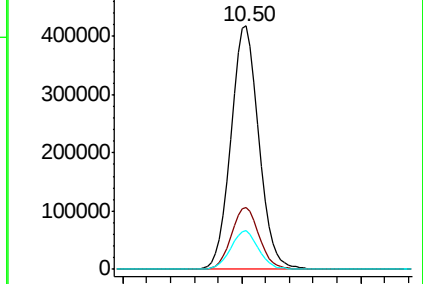
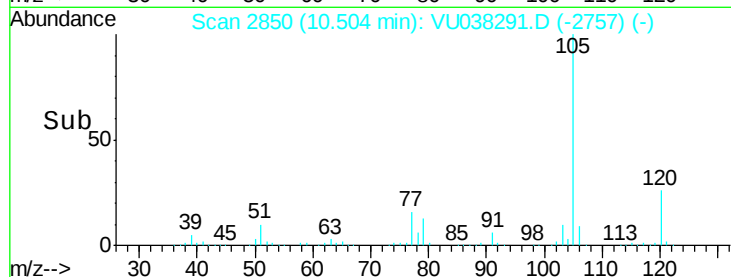
77 15.8 13.0 19.4



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: 5.307 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

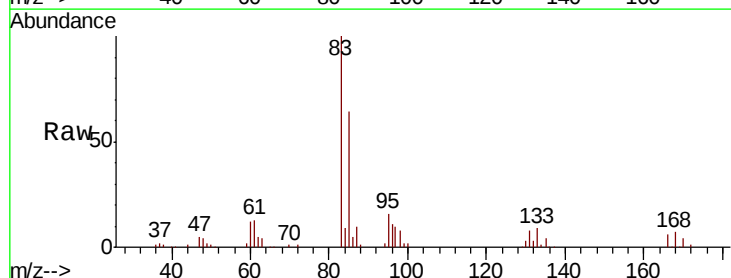
Tgt Ion: 83 Resp: 134285

Ion Ratio Lower Upper

83 100

85 63.5 47.0 87.2

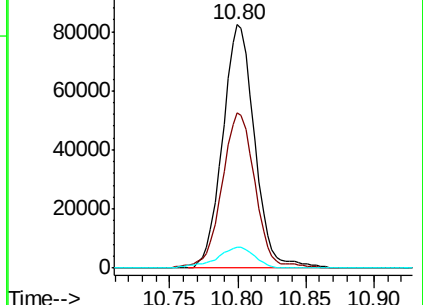
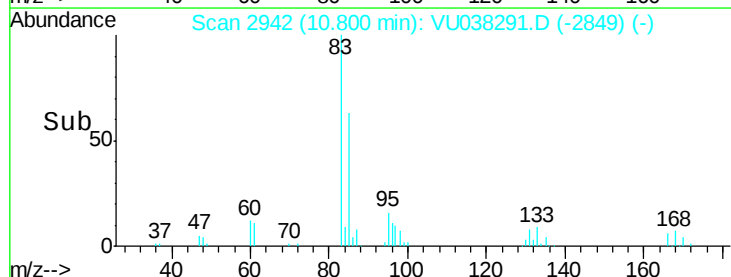
131 8.4 7.7 11.5

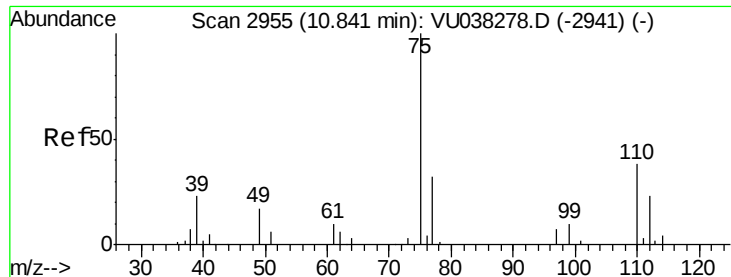


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

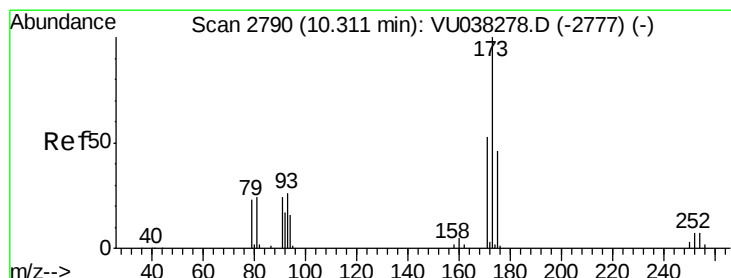
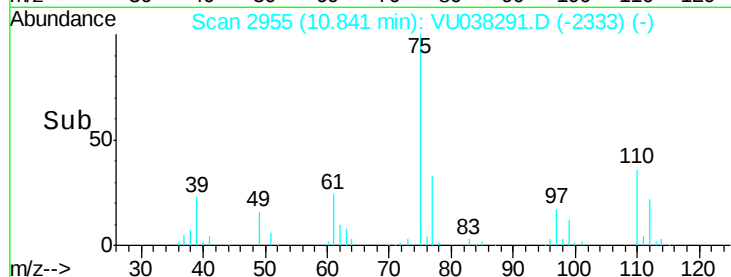
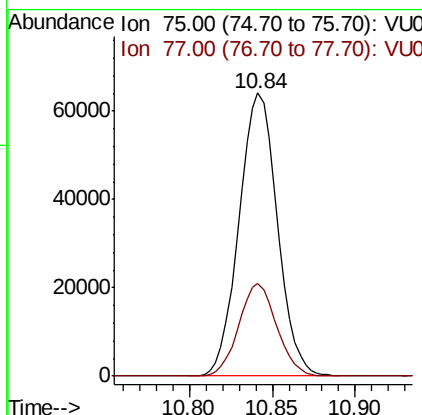
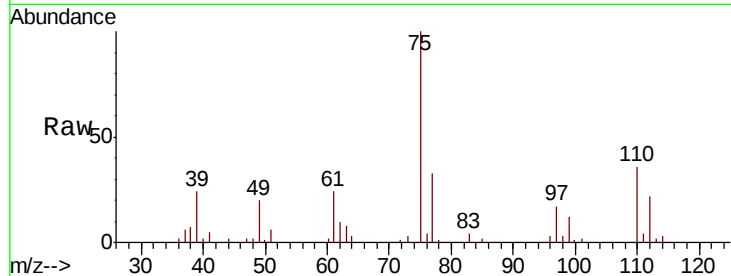




#59
 1,2,3-Trichloropropane
 Concen: 5.365 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

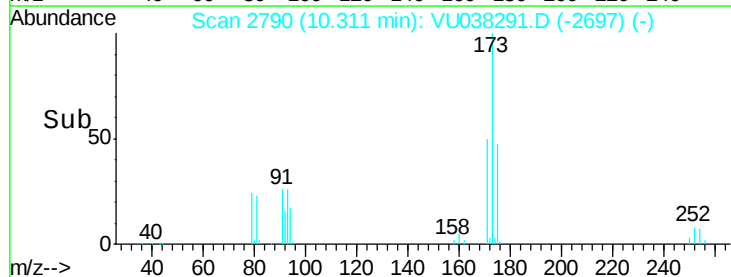
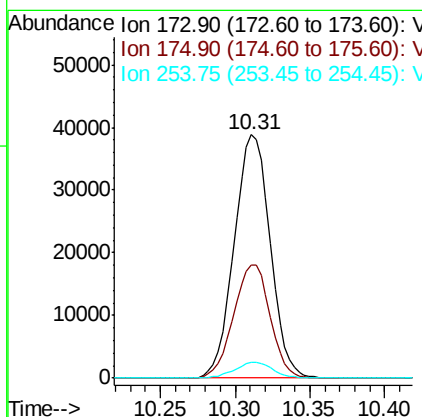
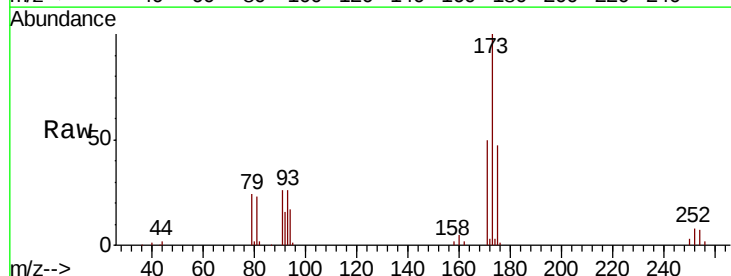
Instrument :
 MSVOA_U
 ClientSampleId :

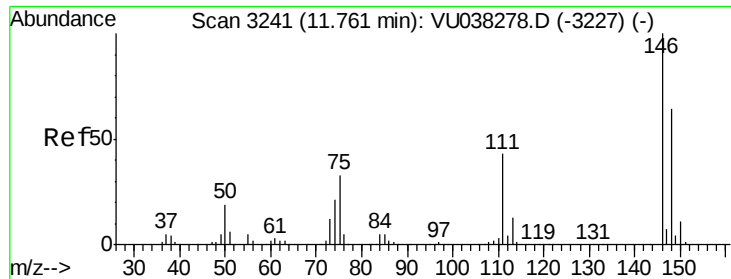
Tot Ion: 75 Resp: 103341
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.0



#61
 Bromoform
 Concen: 5.696 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion: 173 Resp: 65102
 Ion Ratio Lower Upper
 173 100
 175 47.3 39.5 59.3
 254 6.7 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 5.534 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

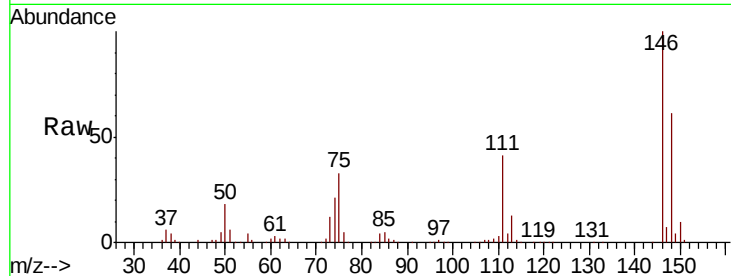
Tot Ion:146 Resp: 304466

Ion Ratio Lower Upper

146 100

111 41.4 28.6 53.2

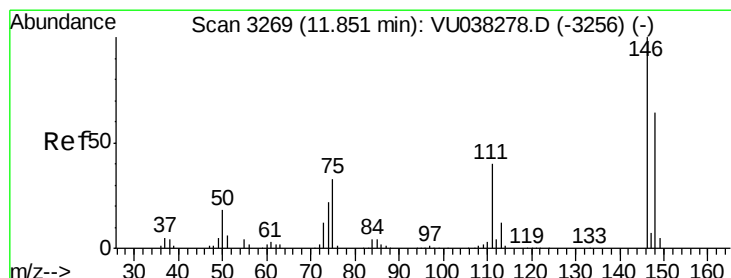
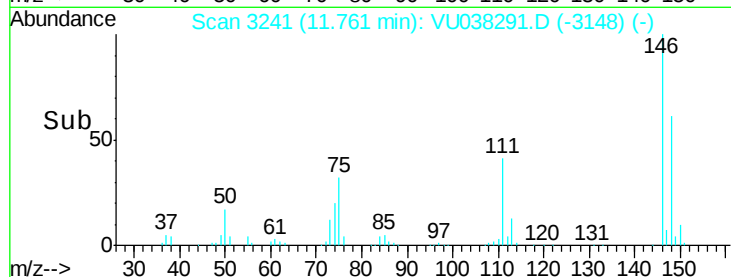
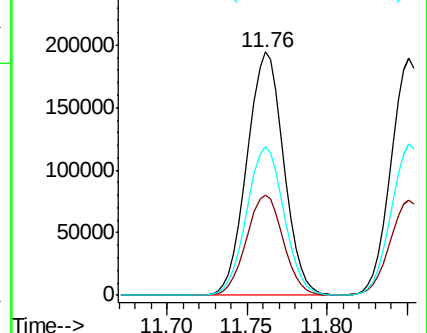
148 61.1 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.395 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

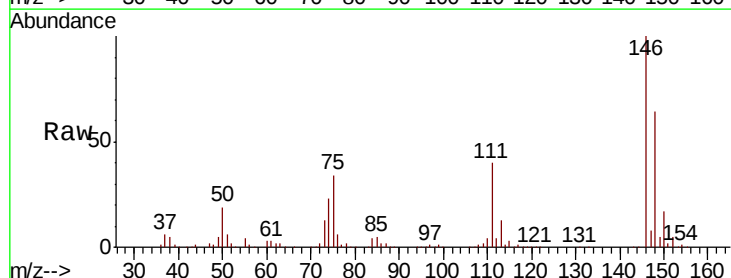
Tgt Ion:146 Resp: 300748

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.6

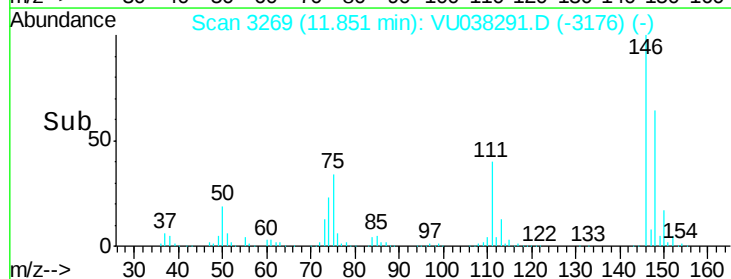
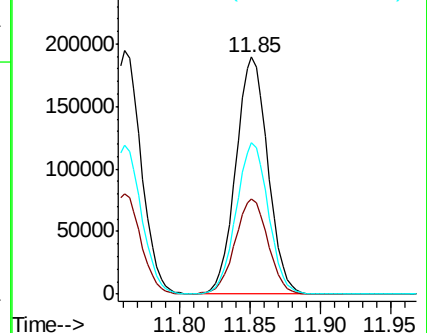
148 63.7 43.8 81.3

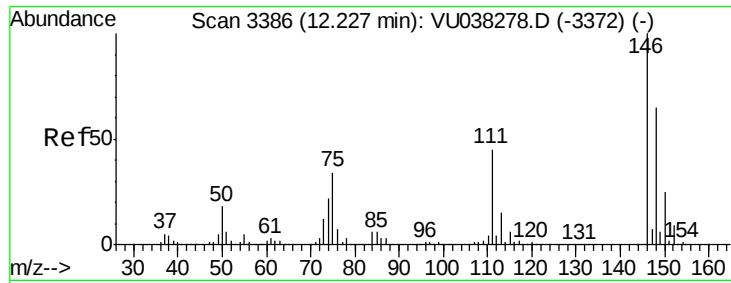


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.367 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

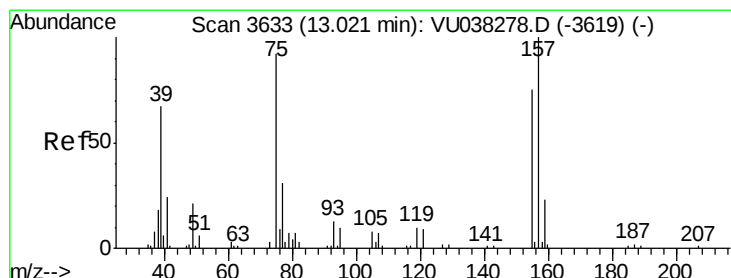
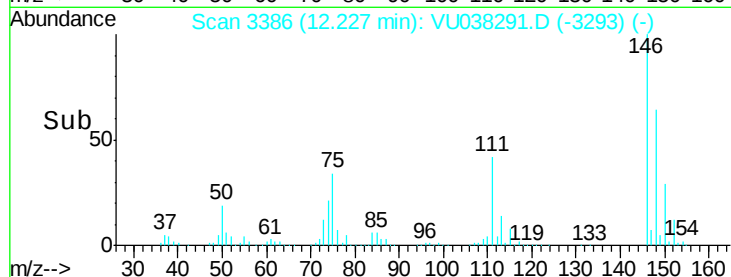
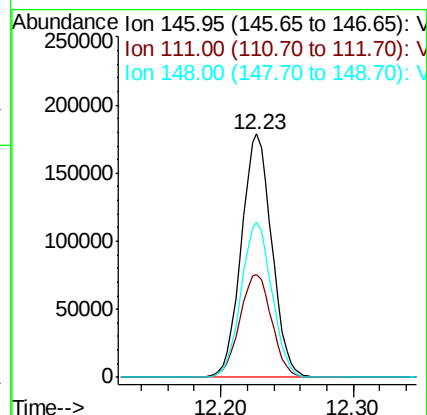
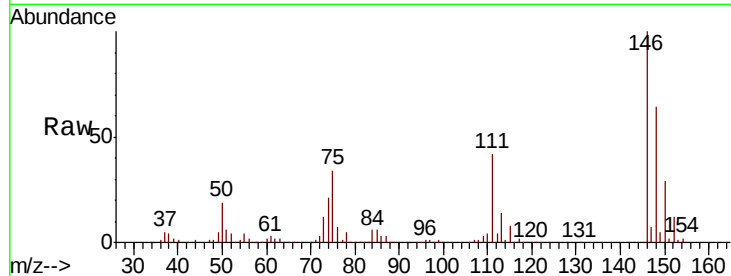
Tot Ion:146 Resp: 284052

Ion Ratio Lower Upper

146 100

111 42.3 35.3 52.9

148 63.7 51.0 76.4



#66

1,2-Dibromo-3-chloropropane

Concen: 5.376 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

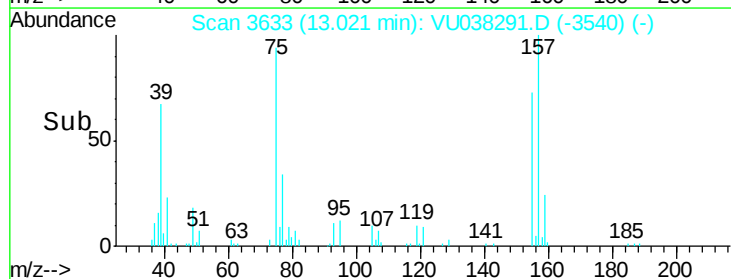
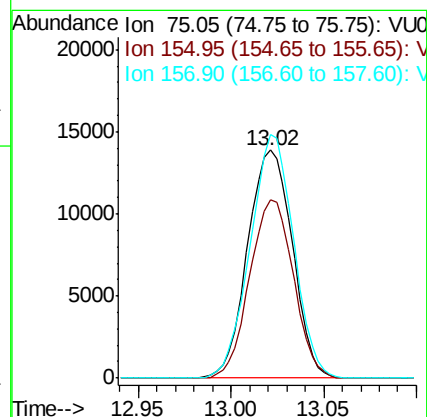
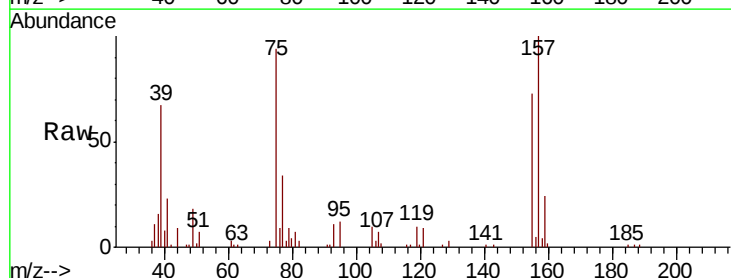
Tgt Ion: 75 Resp: 23256

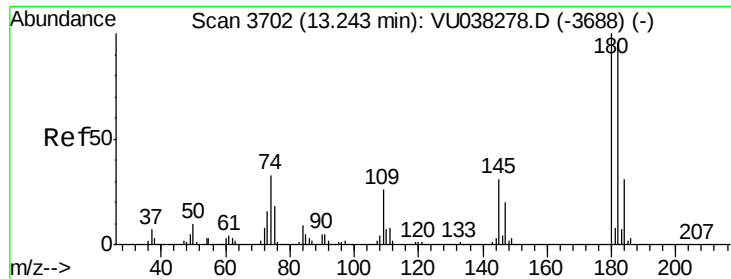
Ion Ratio Lower Upper

75 100

155 78.3 58.2 87.2

157 106.9 72.9 109.3

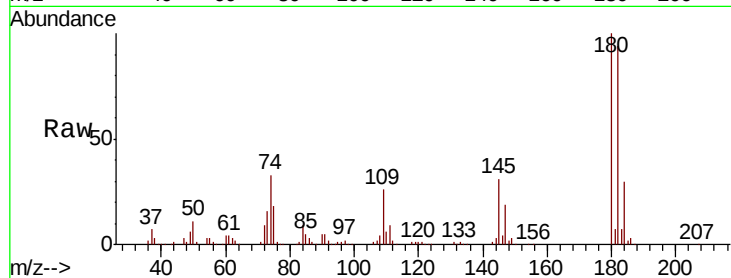




#67
 1,3,5-Trichlorobenzene
 Concen: 5.728 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.2
184	30.1	24.2	36.2
145	30.9	24.0	36.0



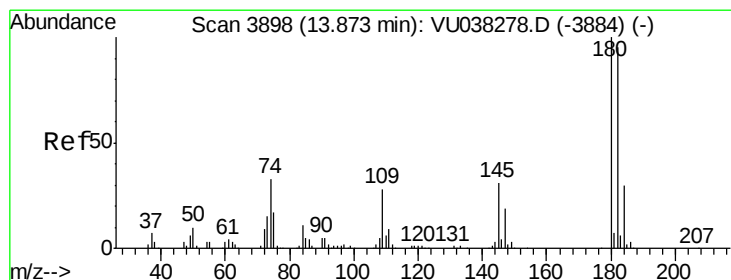
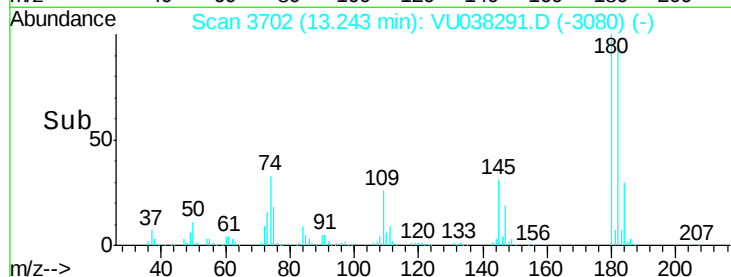
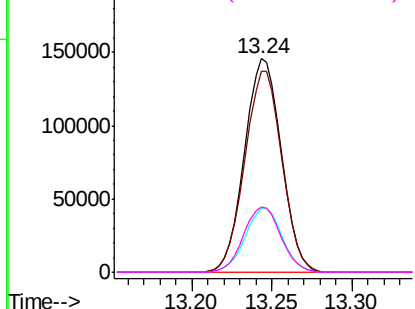
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

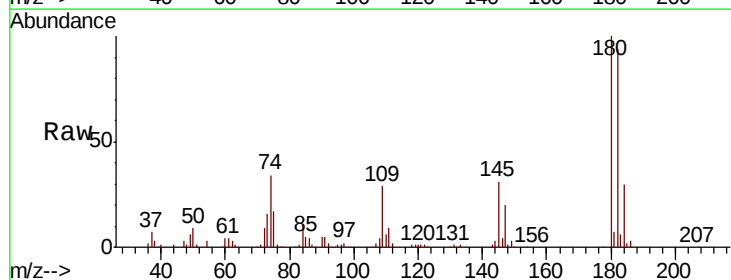
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.737 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU038291.D
 Acq: 26 May 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.0	112.6
145	31.4	24.8	37.2

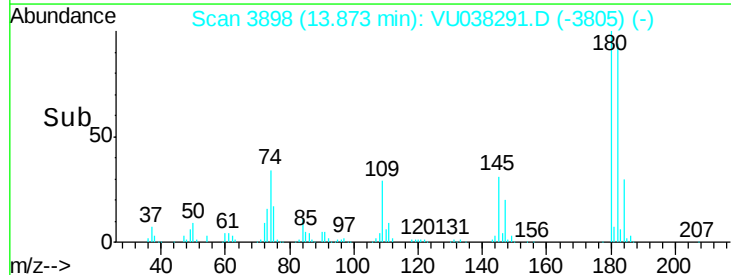
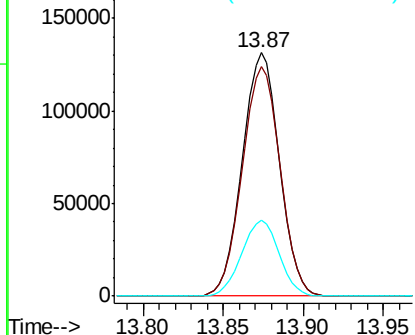


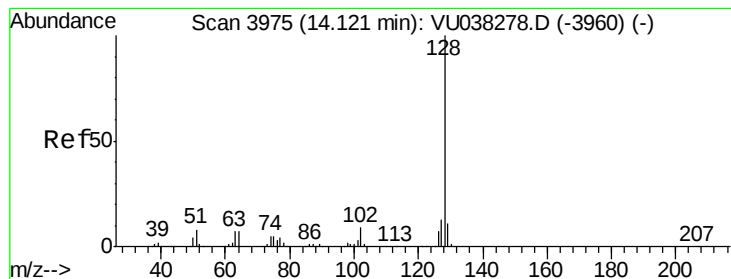
Abundance

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: 5.694 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

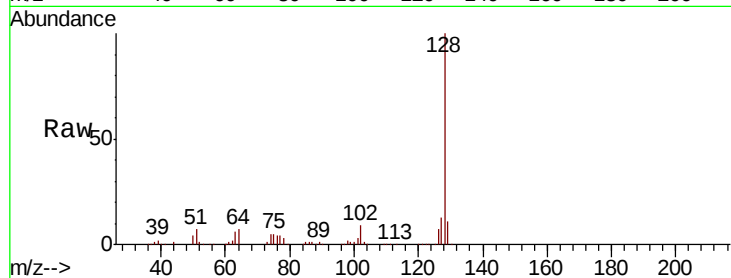
Tot Ion:128 Resp: 434085

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

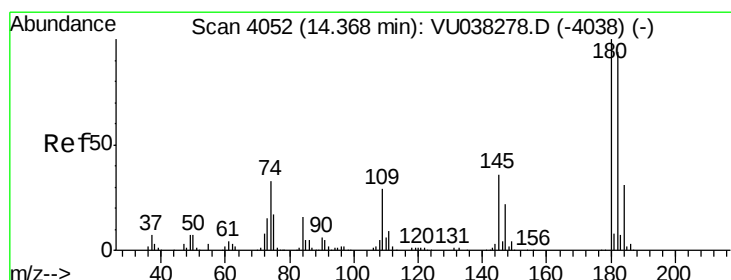
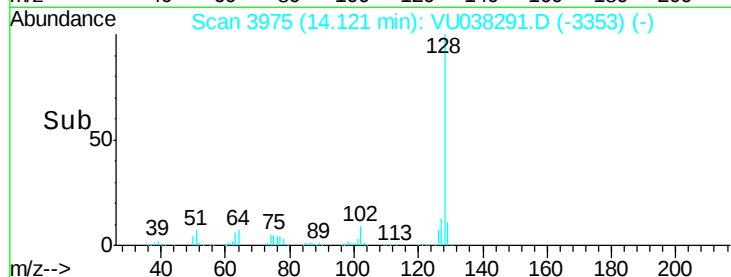
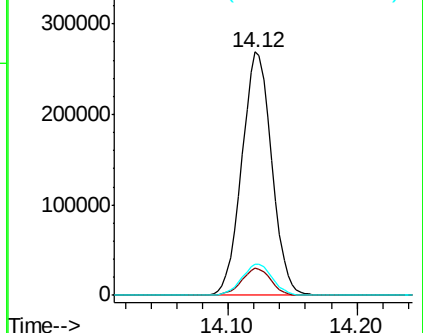
127 13.1 10.2 15.4



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: 5.662 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU038291.D

Acq: 26 May 2020 11:04

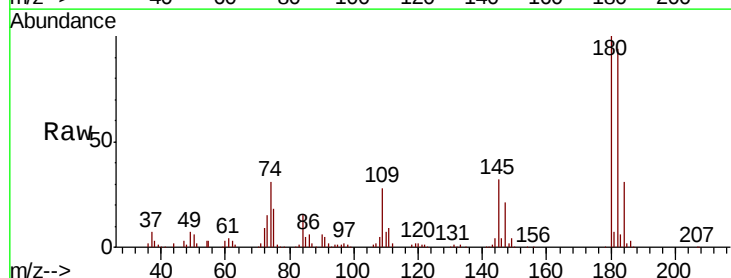
Tgt Ion:180 Resp: 190551

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 33.7 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

