

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038096.D
 Acq On : 08 May 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 09 00:14:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:11:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	335031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	338444	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	162337	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	137558	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	119297	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	225462	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.66	46	318811	42.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.34%
24) Chloroform-d	5.10	84	205213	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.74	65	121926	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.76	84	465732	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.72	67	152646	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.92	98	420763	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	8.20	79	56837	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.65	63	273068	44.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	118391	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	149344	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	153150	4.998	ug/L 99
3) Chloromethane	1.53	50	178230	4.827	ug/L 100
5) Vinyl chloride	1.62	62	178580	4.935	ug/L 99
6) Bromomethane	1.87	94	90559	4.396	ug/L 99
8) Chloroethane	1.95	64	106058	4.765	ug/L 99
9) Trichlorofluoromethane	2.16	101	184721	4.993	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	114221	4.980	ug/L 98
12) 1,1-Dichloroethene	2.60	96	112367	4.833	ug/L 89
13) Acetone	2.65	43	205641	43.350	ug/L 99
14) Carbon disulfide	2.82	76	382255	4.609	ug/L 99
15) Methyl Acetate	2.98	43	55353	4.171	ug/L 98
16) Methylene chloride	3.08	84	130201	4.804	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	292679	4.530	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	121962	4.805	ug/L 97
19) 1,1-Dichloroethane	3.91	63	236245	4.765	ug/L 99
21) 2-Butanone	4.74	43	373546	44.613	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	132423	4.841	ug/L 99

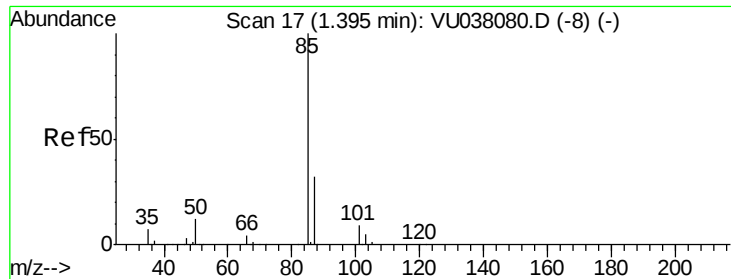
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050820\
 Data File : VU038096.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 09 00:11:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55470	4.712	ug/L	95
25) Chloroform	5.12	83	239478	5.179	ug/L	97
27) 1,2-Dichloroethane	5.83	62	151045	4.627	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	185478	4.783	ug/L	99
30) Cyclohexane	5.42	56	222064	4.850	ug/L	99
31) Carbon tetrachloride	5.56	117	144323	4.631	ug/L	99
33) Benzene	5.81	78	520262	4.800	ug/L	100
34) Trichloroethene	6.57	95	127303	4.696	ug/L	97
35) Methylcyclohexane	6.79	83	216172	4.923	ug/L	96
37) 1,2-Dichloropropane	6.82	63	138682	4.711	ug/L	99
38) Bromodichloromethane	7.13	83	155094	4.557	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	191542	4.546	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	905022	44.357	ug/L	100
42) Toluene	7.99	91	552034	4.825	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	157034	4.383	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	93406	4.569	ug/L	97
47) Tetrachloroethene	8.57	164	89920	4.743	ug/L	99
48) 2-Hexanone	8.71	43	679618	45.483	ug/L	99
49) Dibromochloromethane	8.83	129	95851	4.518	ug/L	97
50) 1,2-Dibromoethane	8.94	107	84354	4.446	ug/L	94
51) Chlorobenzene	9.47	112	340757	4.799	ug/L	99
52) Ethylbenzene	9.59	91	601807	4.856	ug/L	100
53) m,p-Xylene	9.71	106	230922	4.859	ug/L	98
54) o-Xylene	10.11	106	223522	4.865	ug/L	99
55) Styrene	10.13	104	376568	4.882	ug/L	99
56) Isopropylbenzene	10.50	105	577991	4.897	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	116794	4.500	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	87972	4.452	ug/L	98
61) Bromoform	10.31	173	48870	4.454	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	258409	4.892	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	258319	4.826	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	242970	4.781	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17937	4.319	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	181892	4.746	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	165442	4.759	ug/L	98
69) Naphthalene	14.11	128	332181	4.539	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	152620	4.723	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.998 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

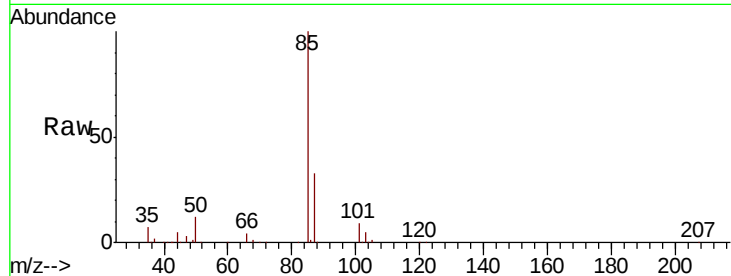
ClientSampleId :

Tot Ion: 85 Resp: 153150

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038080.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038080.D (-8) (-)

1.39

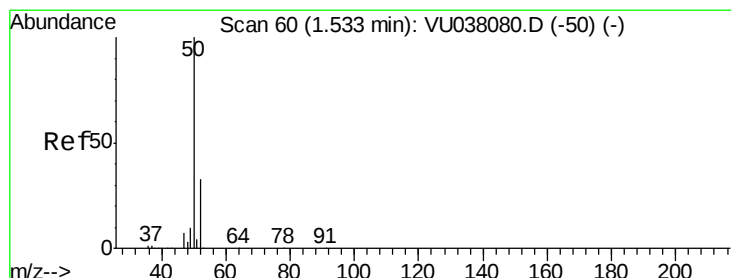
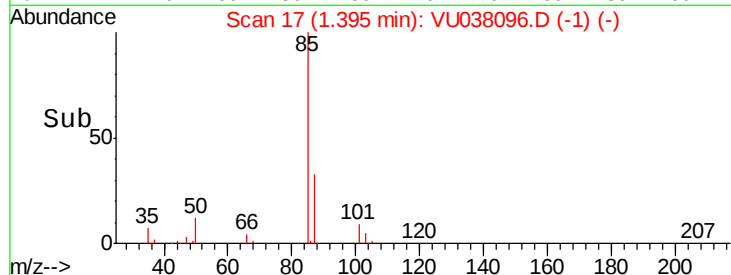
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.827 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038096.D

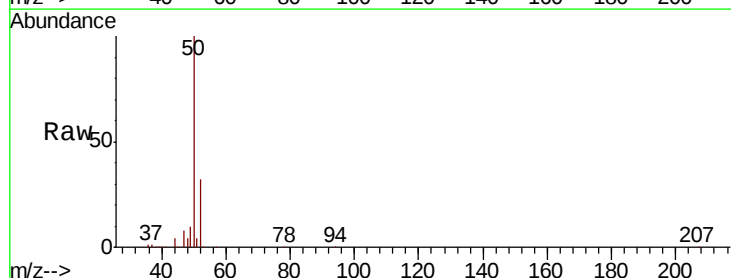
Acq: 08 May 2020 20:09

Tgt Ion: 50 Resp: 178230

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038080.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038080.D (-50) (-)

1.53

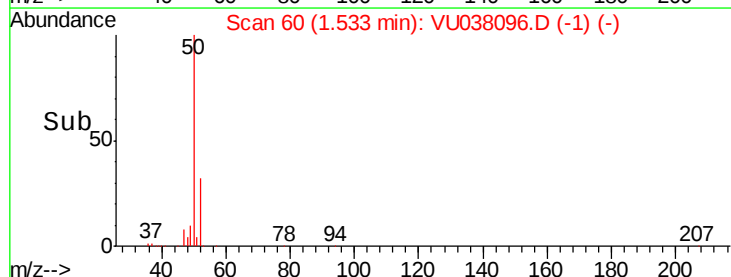
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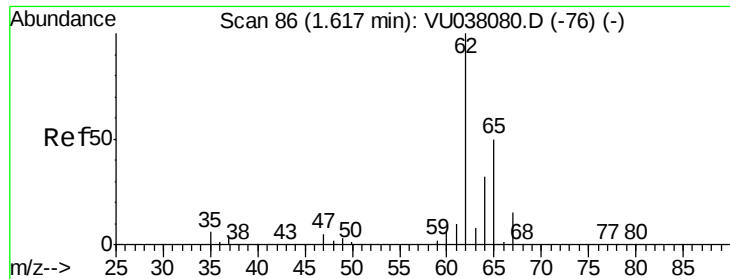
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.935 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

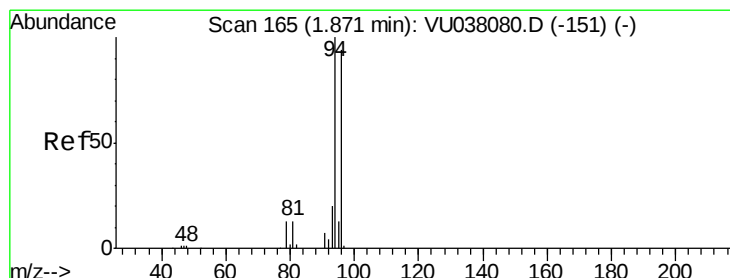
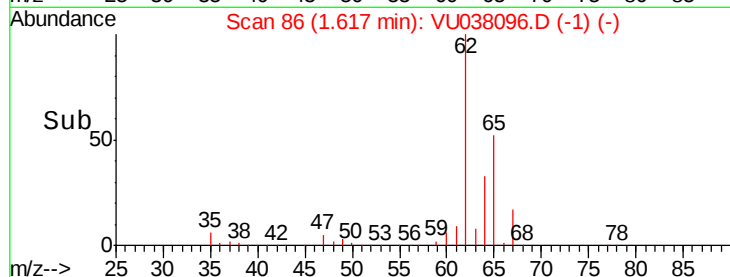
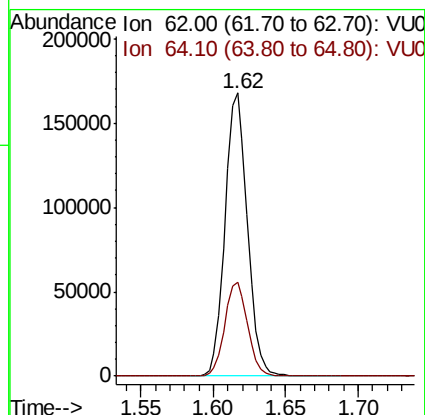
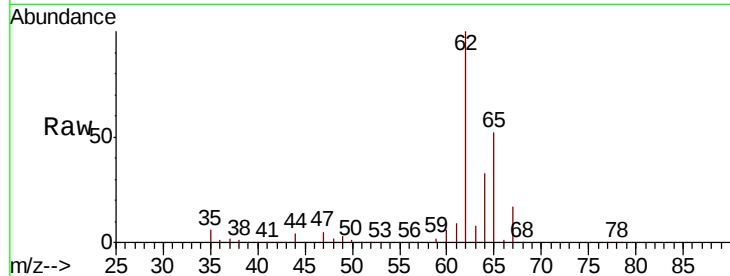
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 178580

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



#6

Bromomethane

Concen: 4.396 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU038096.D

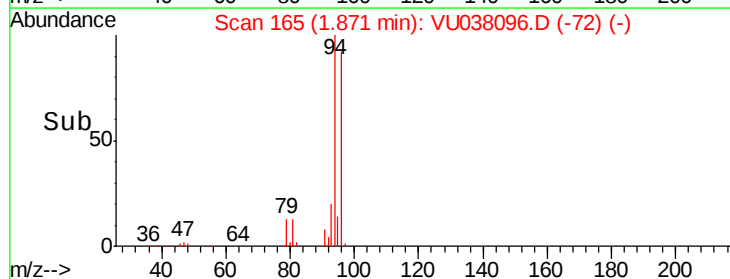
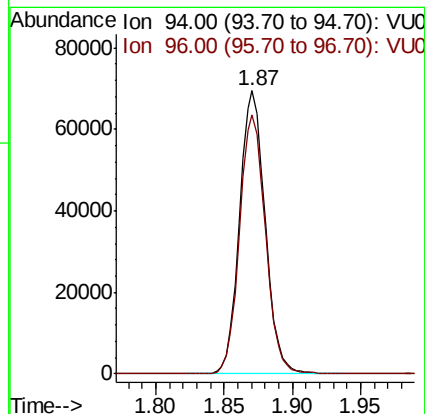
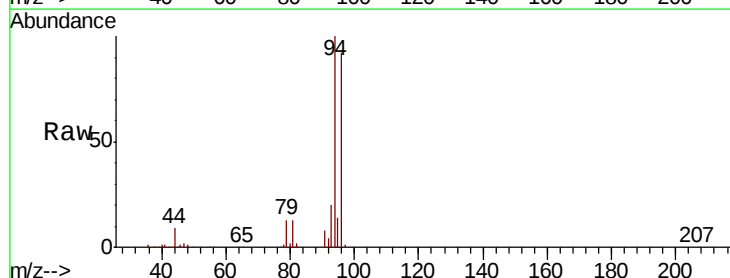
Acq: 08 May 2020 20:09

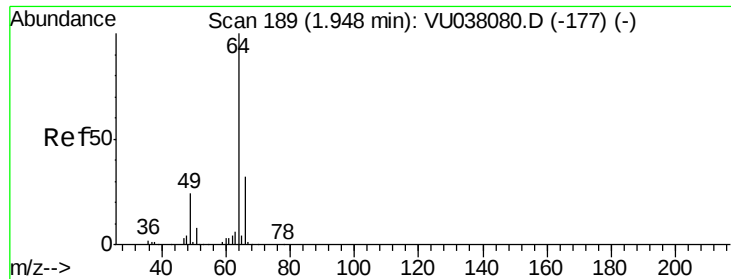
Tgt Ion: 94 Resp: 90559

Ion Ratio Lower Upper

94 100

96 91.5 65.0 120.8

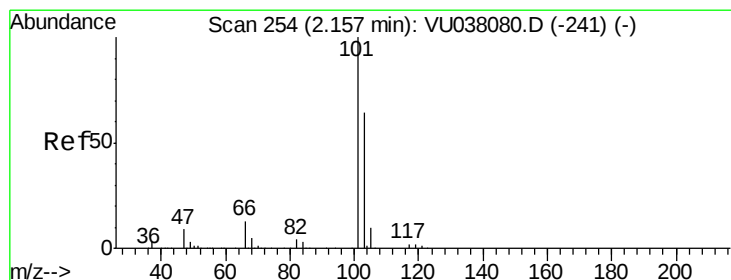
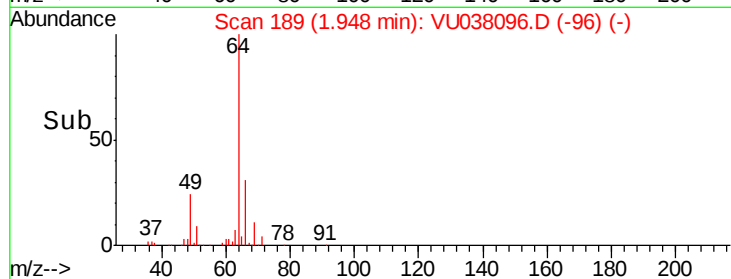
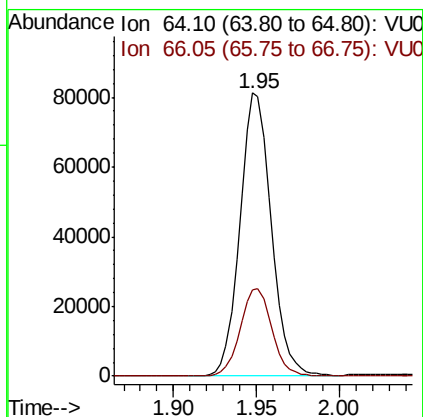
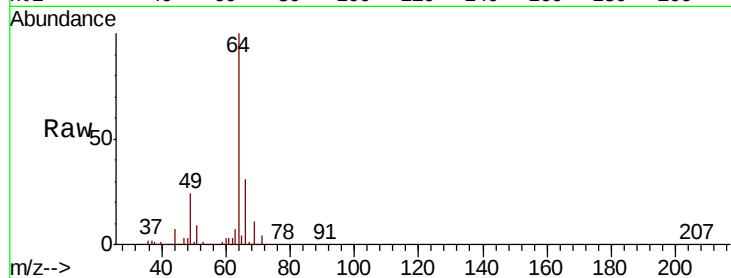




#8
Chloroethane
Concen: 4.765 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

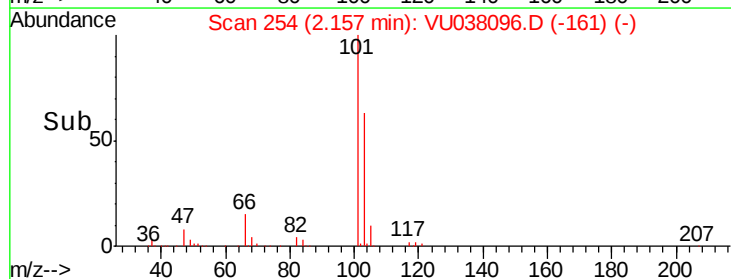
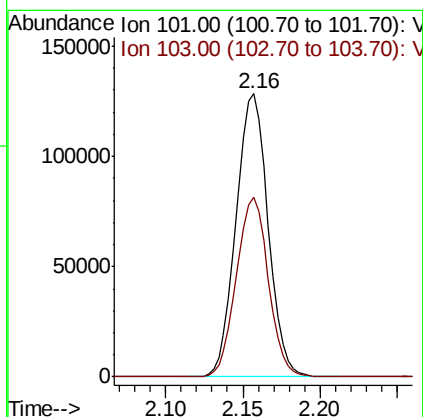
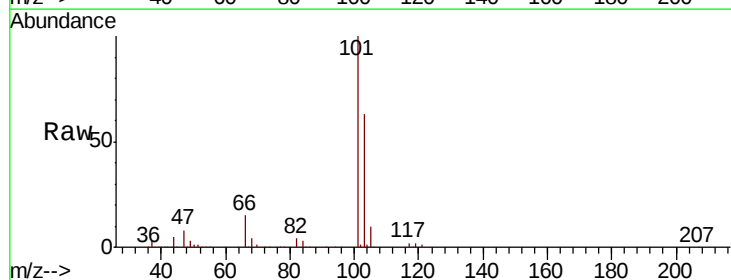
Instrument :
MSVOA_U
ClientSampleId :

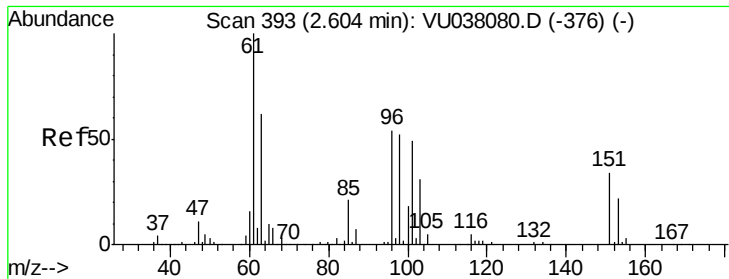
Tot Ion: 64 Resp: 106058
Ion Ratio Lower Upper
64 100
66 30.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 4.993 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion:101 Resp: 184721
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.4





#10

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

Concen: 4.980 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

ClientSampled :

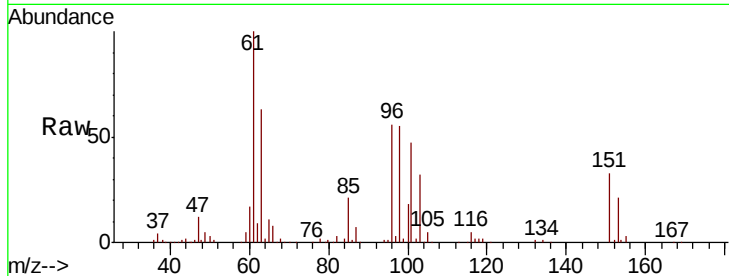
Tot Ion:101 Resp: 114221

Ion Ratio Lower Upper

101 100

85 41.7 35.3 52.9

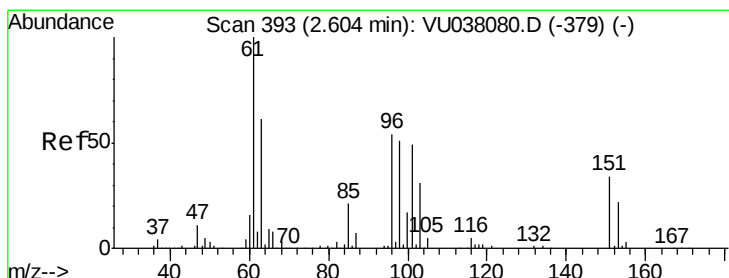
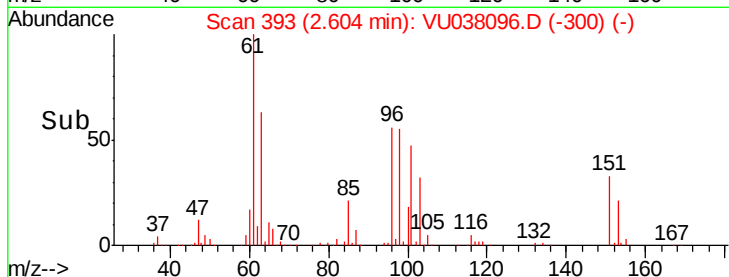
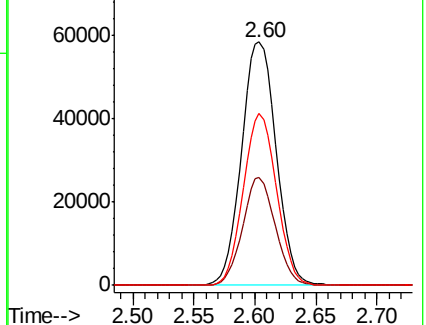
151 67.3 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.833 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

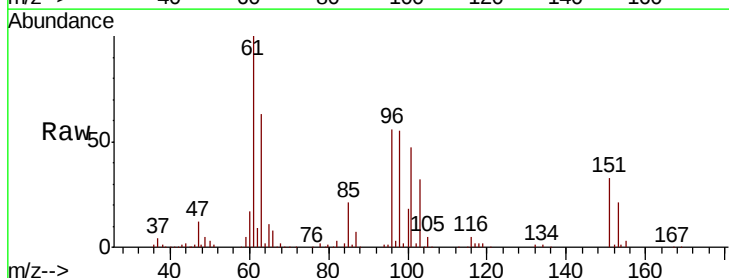
Tgt Ion: 96 Resp: 112367

Ion Ratio Lower Upper

96 100

61 177.5 126.2 234.4

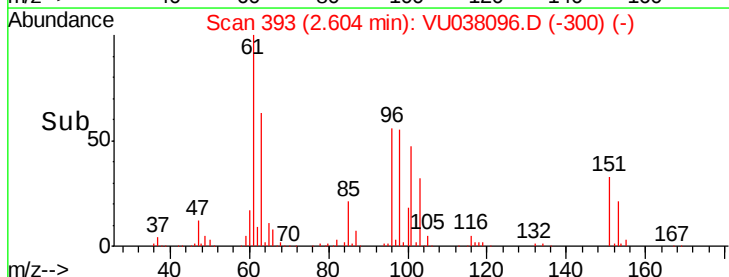
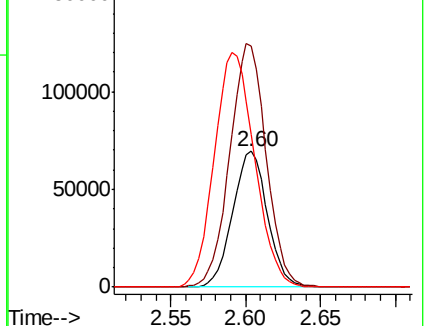
63 112.2 96.9 179.9

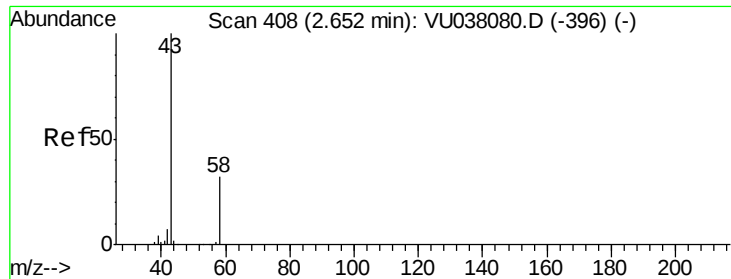


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.350 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

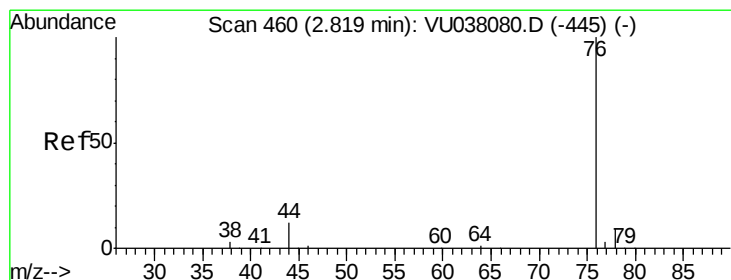
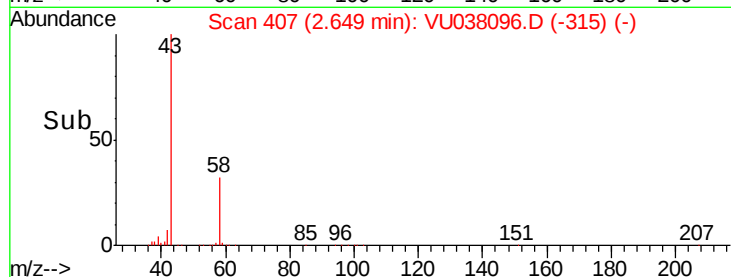
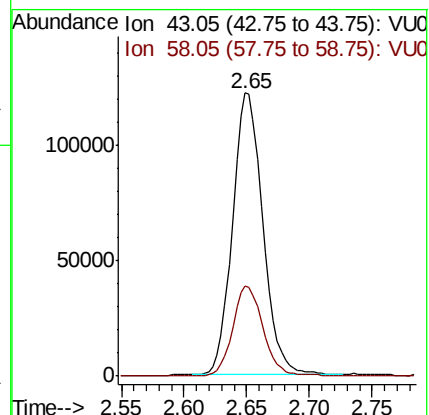
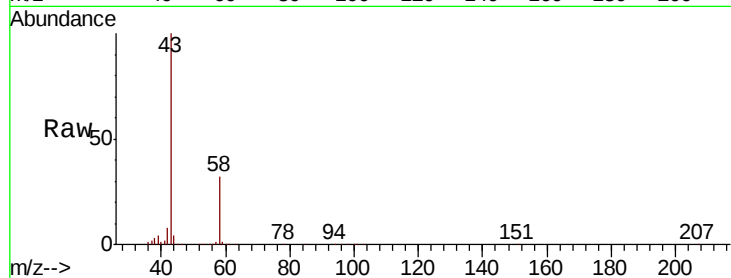
ClientSampled :

Tot Ion: 43 Resp: 205641

Ion Ratio Lower Upper

43 100

58 32.5 0.0 63.6



#14

Carbon disulfide

Concen: 4.609 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038096.D

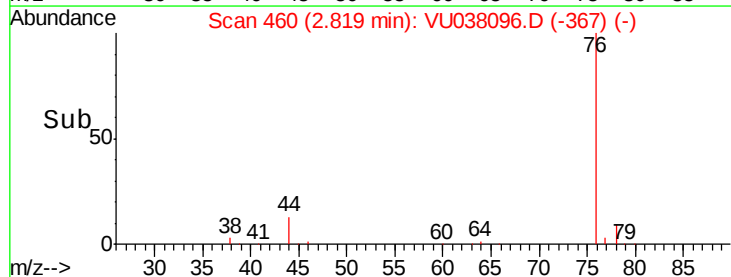
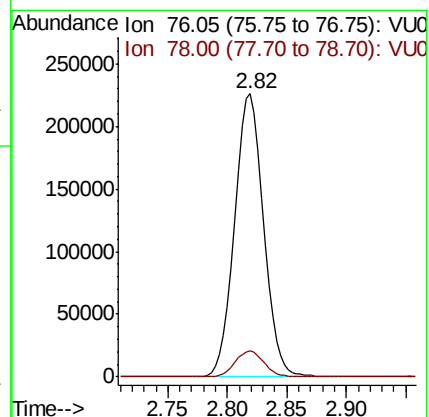
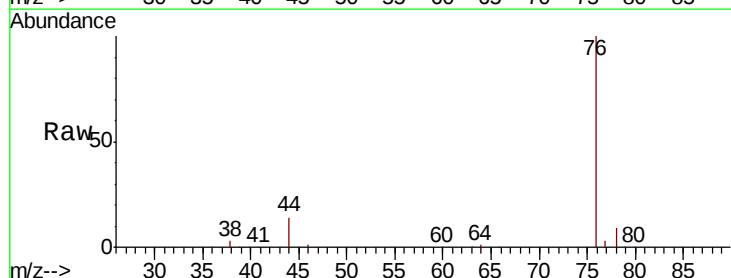
Acq: 08 May 2020 20:09

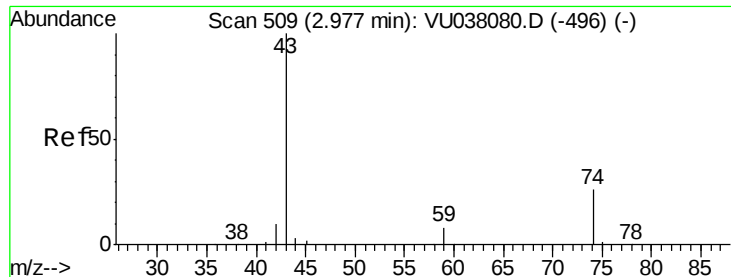
Tgt Ion: 76 Resp: 382255

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

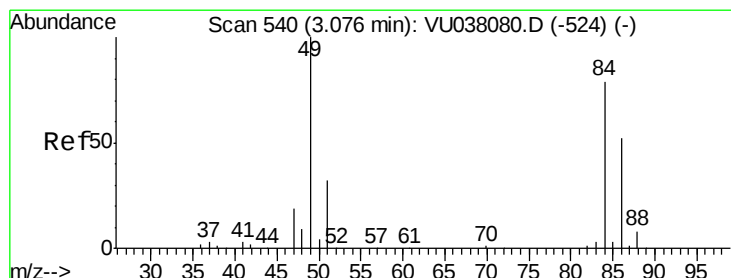
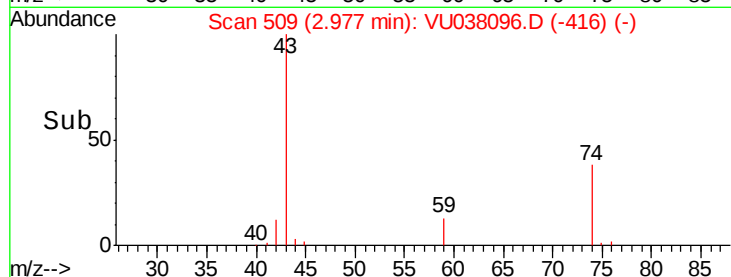
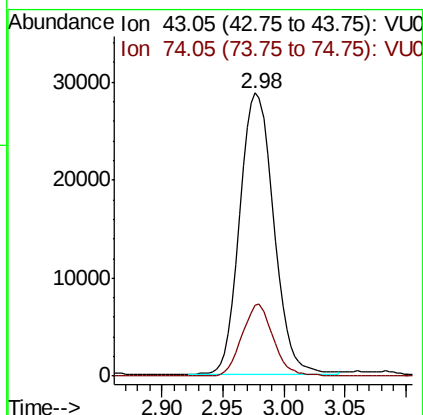
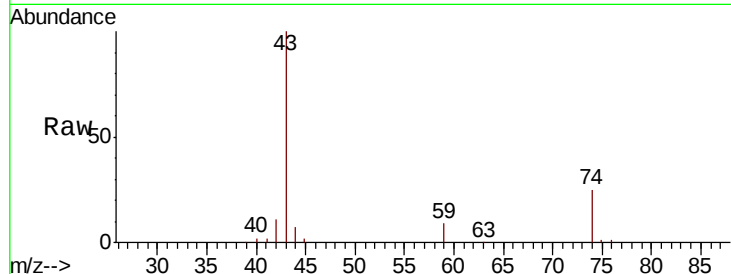




#15
Methvl Acetate
Concen: 4.171 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

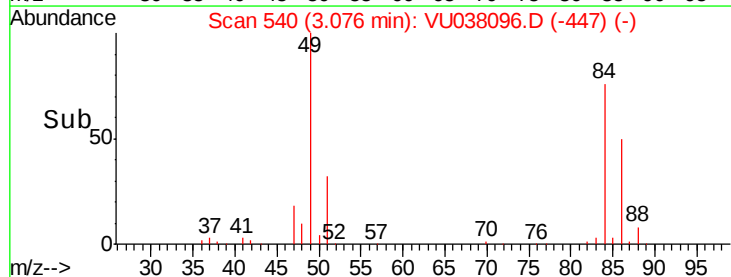
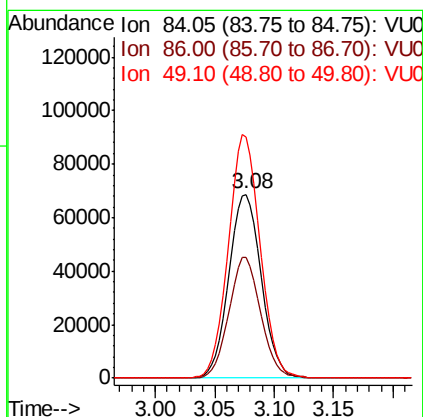
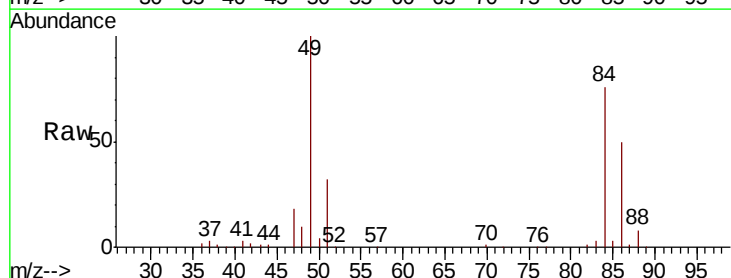
Instrument :
MSVOA_U
ClientSampleId :

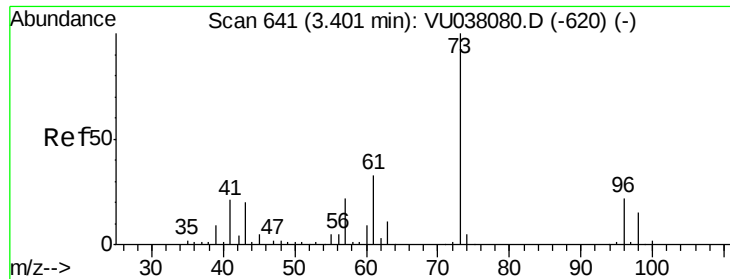
Tot Ion: 43 Resp: 55353
Ion Ratio Lower Upper
43 100
74 23.4 18.0 27.0



#16
Methylene chloride
Concen: 4.804 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion: 84 Resp: 130201
Ion Ratio Lower Upper
84 100
86 66.0 44.9 83.3
49 131.2 92.0 170.9

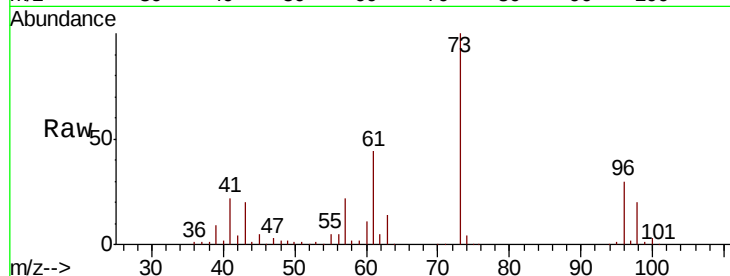




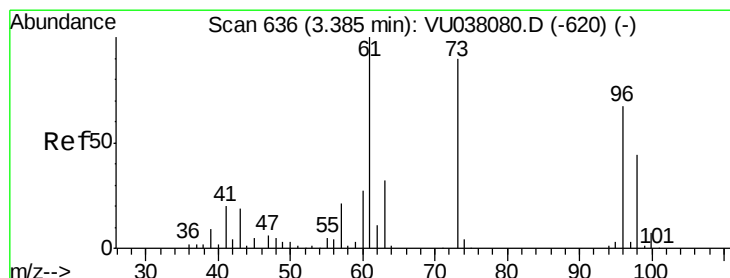
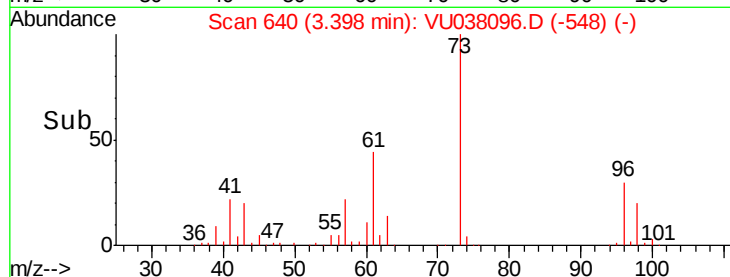
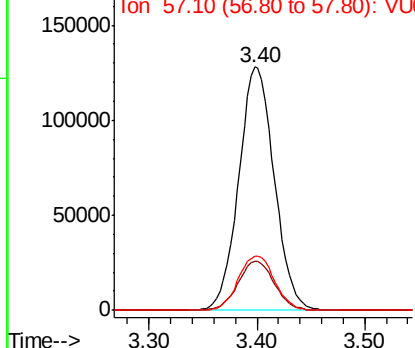
#17
Methvl tert-butvl Ether
Concen: 4.530 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 292679
Ion Ratio Lower Upper
73 100
43 20.8 16.9 25.3
57 23.0 18.2 27.2

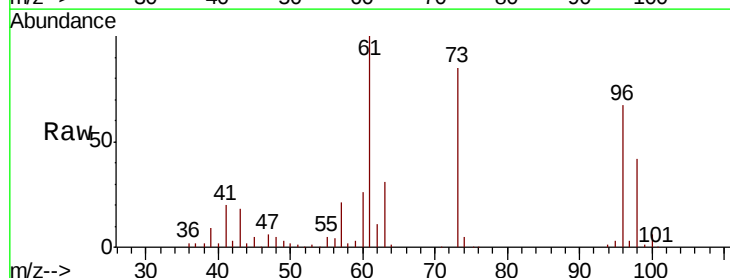


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

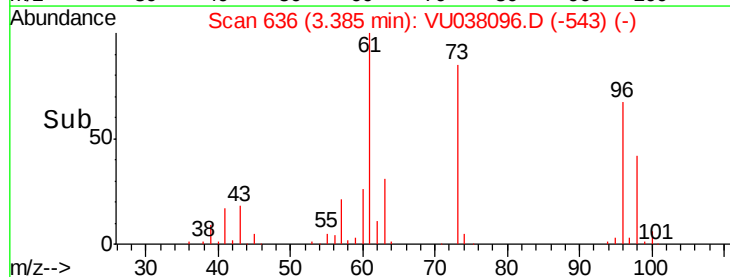
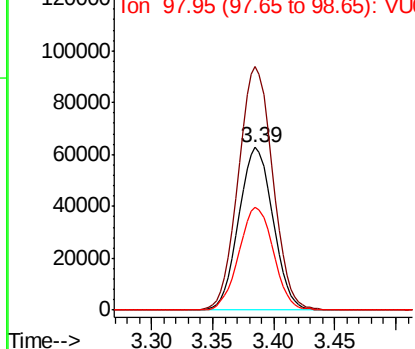


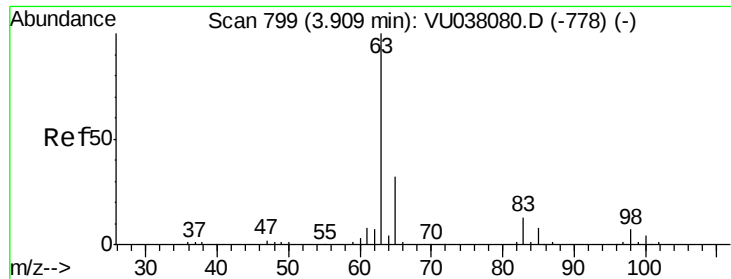
#18
trans-1,2-Dichloroethene
Concen: 4.805 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion: 96 Resp: 121962
Ion Ratio Lower Upper
96 100
61 149.9 102.1 189.5
98 63.3 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

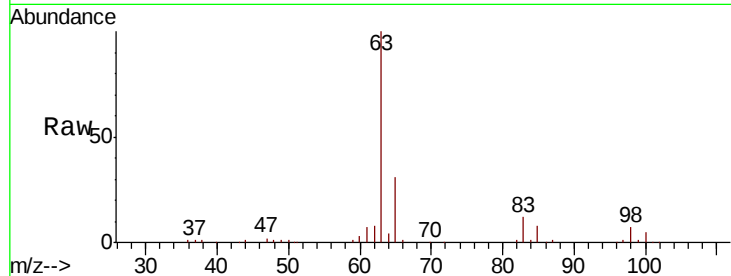




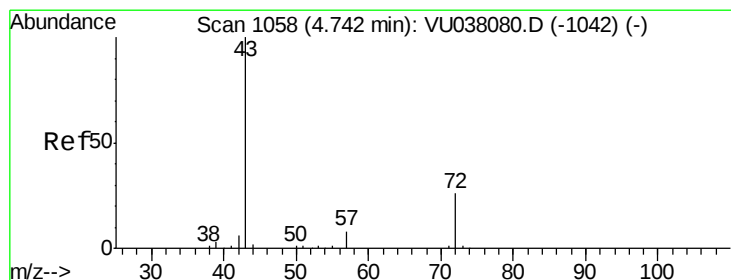
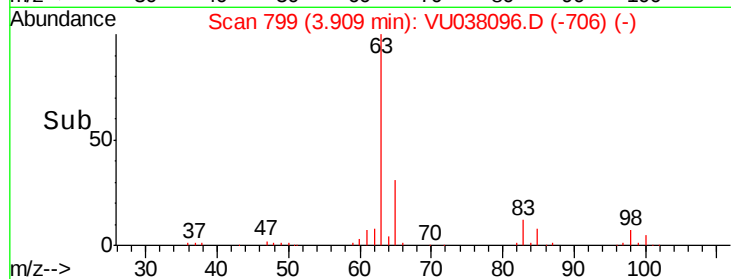
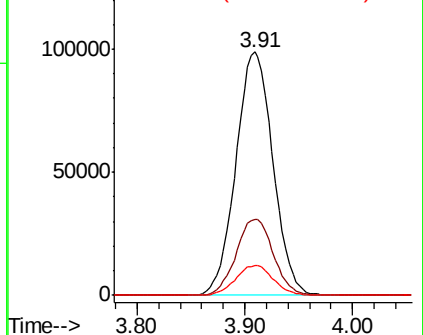
#19
 1,1-Dichloroethane
 Concen: 4.765 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 236245
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.5 41.7
 83 12.3 8.9 16.5

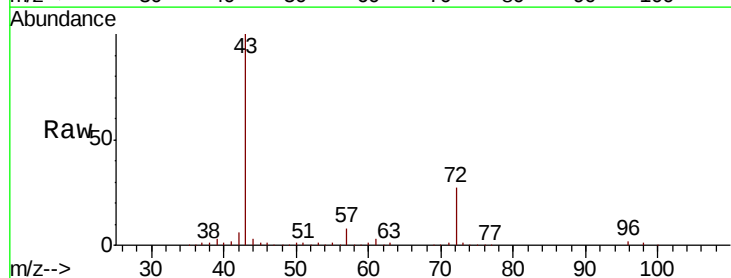


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

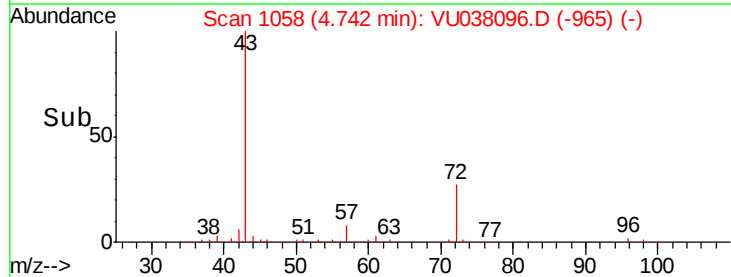
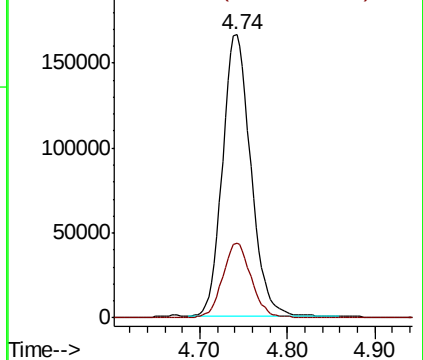


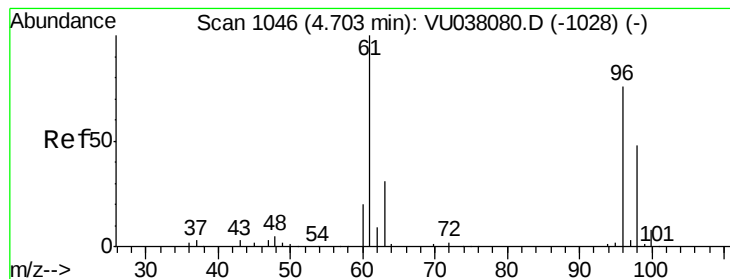
#21
 2-Butanone
 Concen: 44.613 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion: 43 Resp: 373546
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.5 40.4



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





#22

cis-1,2-Dichloroethene

Concen: 4.841 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

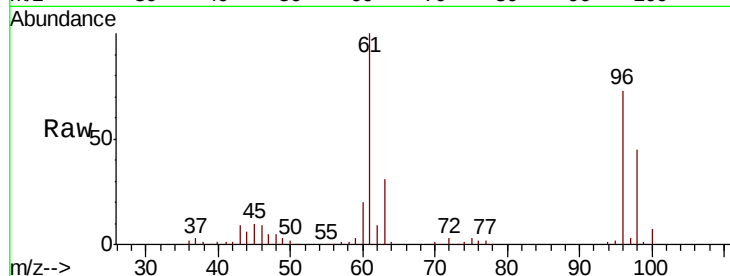
Tot Ion: 96 Resp: 132423

Ion Ratio Lower Upper

96 100

61 137.6 95.3 176.9

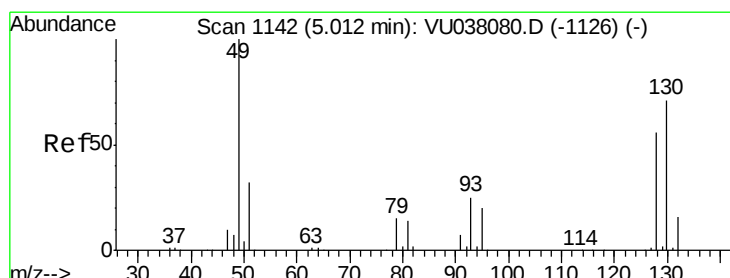
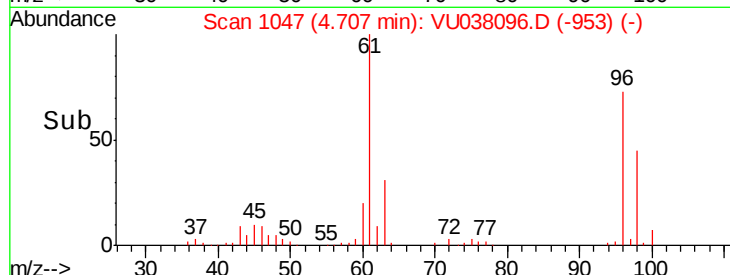
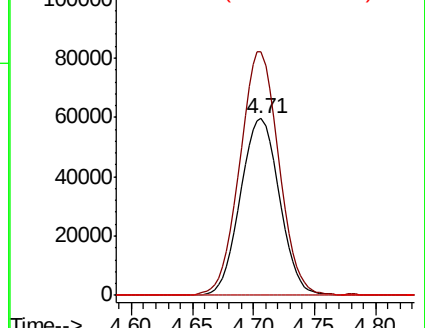
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038080.D (-1028) (-)

Ion 61.05 (60.75 to 61.75): VU038080.D (-1028) (-)

Ion 68.15 (67.85 to 68.85): VU038080.D (-1028) (-)



#23

Bromochloromethane

Concen: 4.712 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Tgt Ion: 128 Resp: 55470

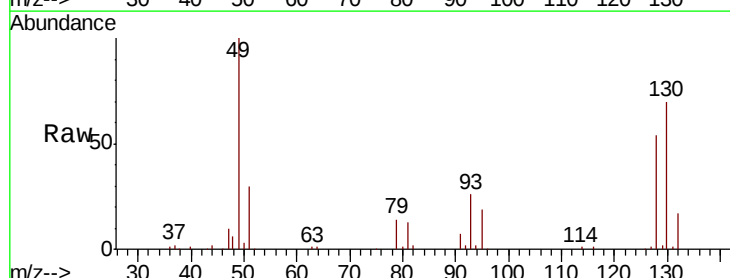
Ion Ratio Lower Upper

128 100

49 183.7 135.6 251.8

130 128.4 91.4 169.8

51 55.7 49.6 74.4

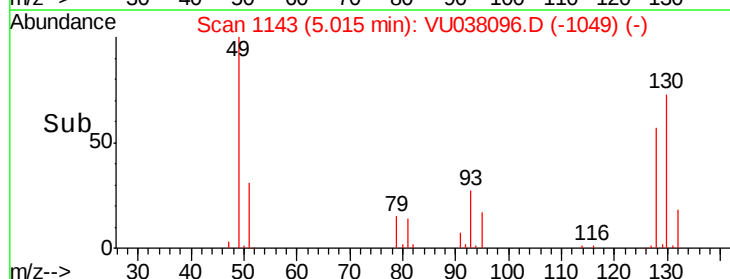
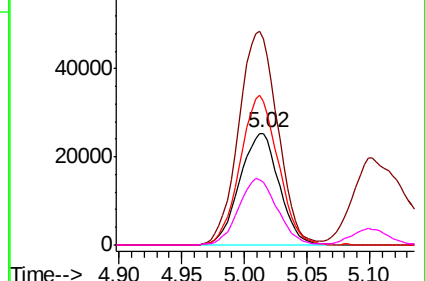


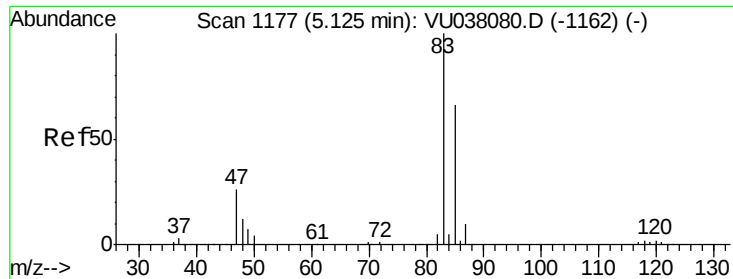
Abundance Ion 127.90 (127.60 to 128.60): VU038080.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038080.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038080.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038080.D (-1126) (-)

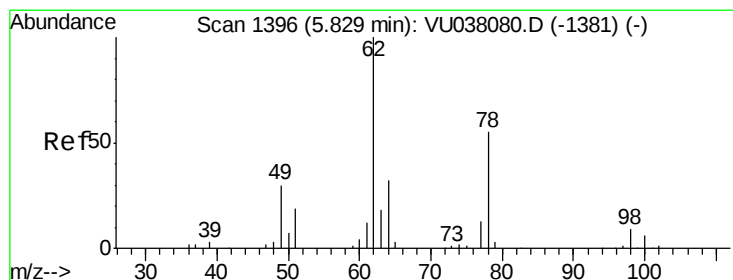
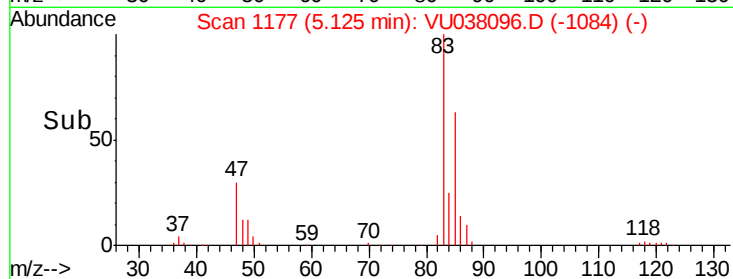
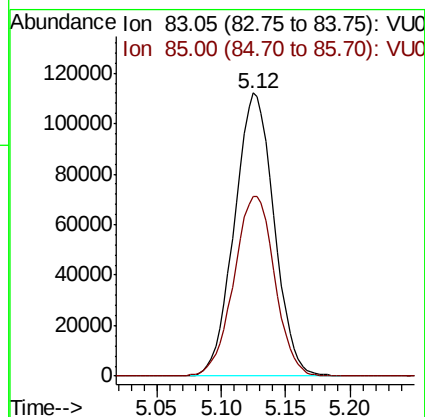
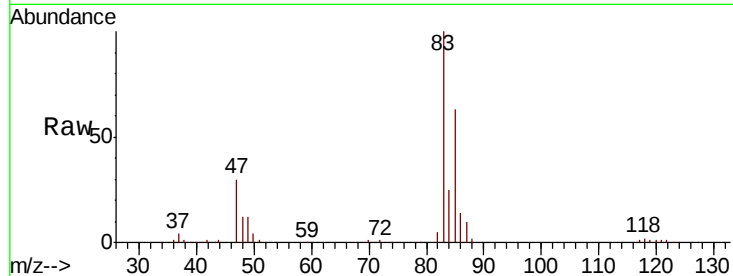




#25
Chloroform
Concen: 5.179 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

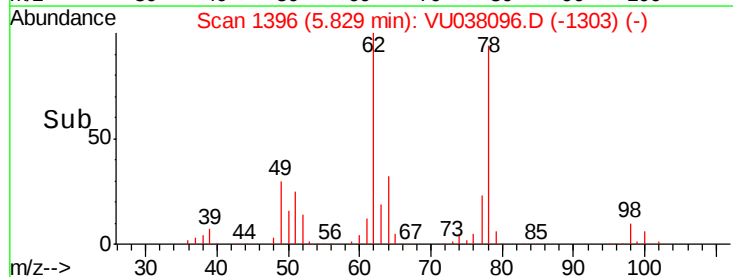
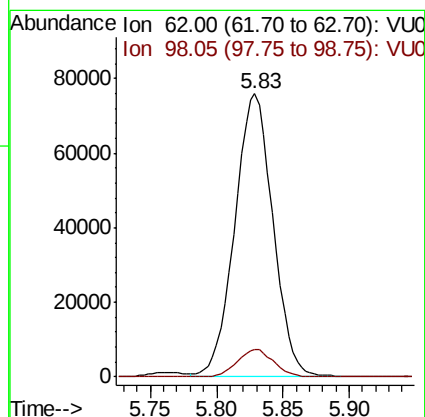
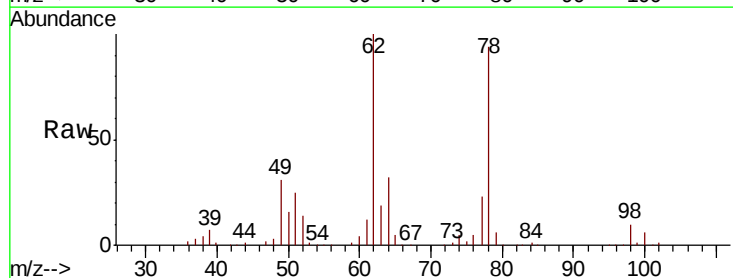
Instrument :
MSVOA_U
ClientSampleId :

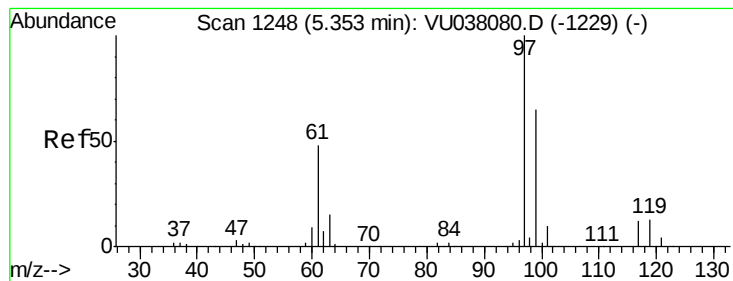
Tot Ion: 83 Resp: 239478
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.627 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion: 62 Resp: 151045
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.783 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :
MSVOA_U
ClientSampleId :

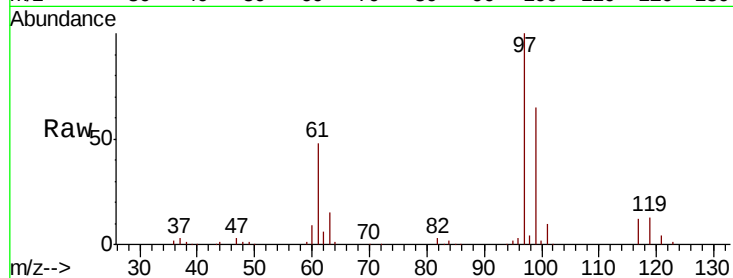
Tot Ion: 97 Resp: 185478

Ion Ratio Lower Upper

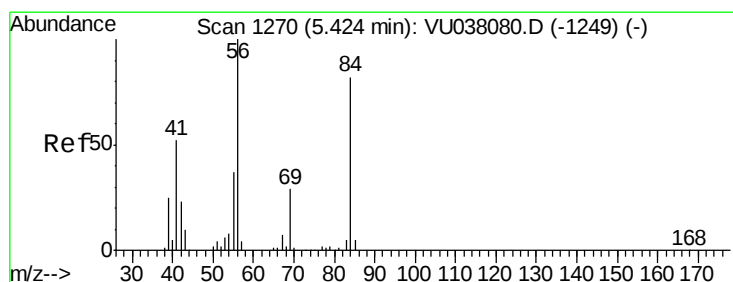
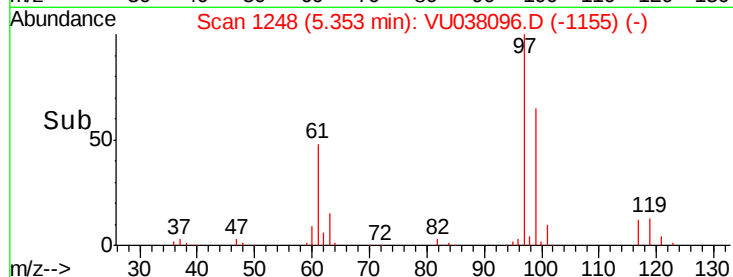
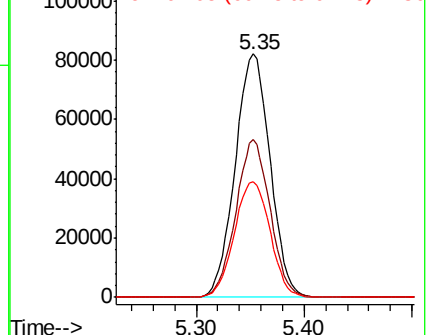
97 100

99 63.5 51.0 76.4

61 48.6 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: 4.850 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

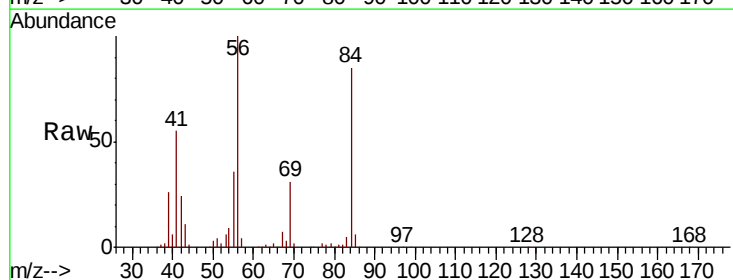
Tgt Ion: 56 Resp: 222064

Ion Ratio Lower Upper

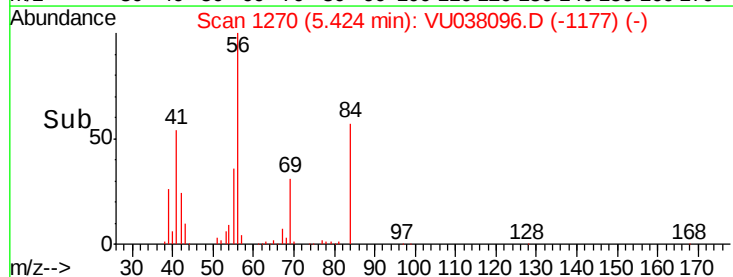
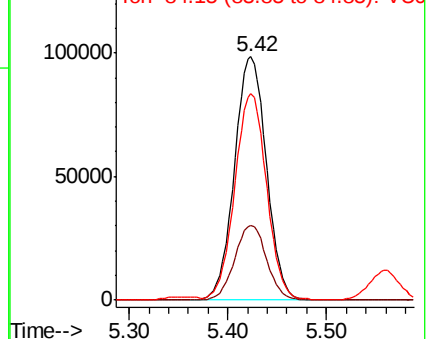
56 100

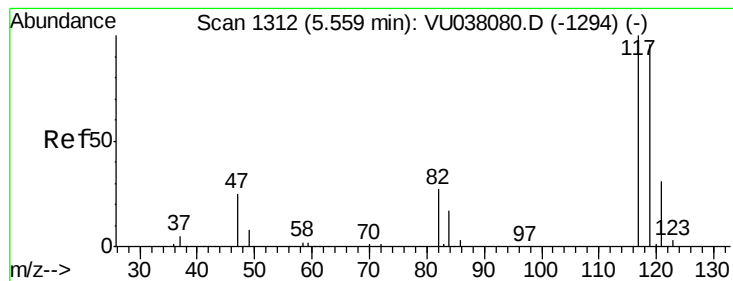
69 30.5 24.2 36.4

84 84.5 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: 4.631 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

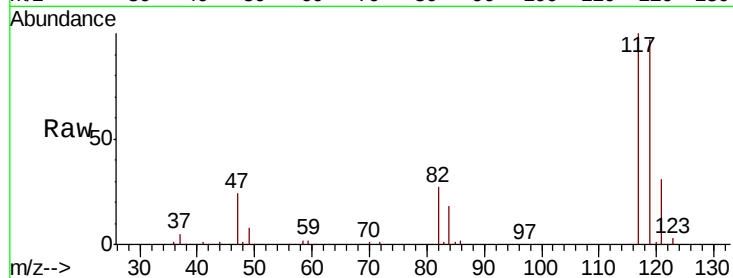
ClientSampleId :

Tot Ion:117 Resp: 144323

Ion Ratio Lower Upper

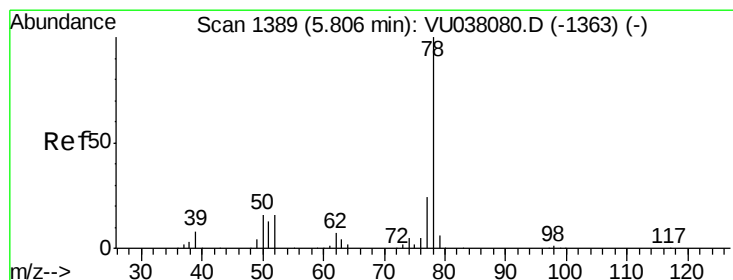
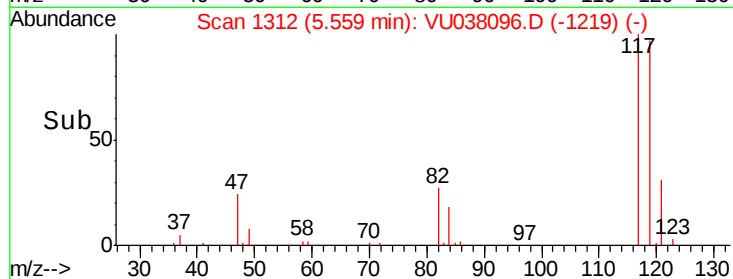
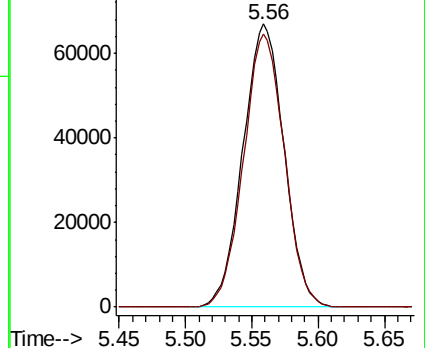
117 100

119 95.7 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: 4.800 ug/L

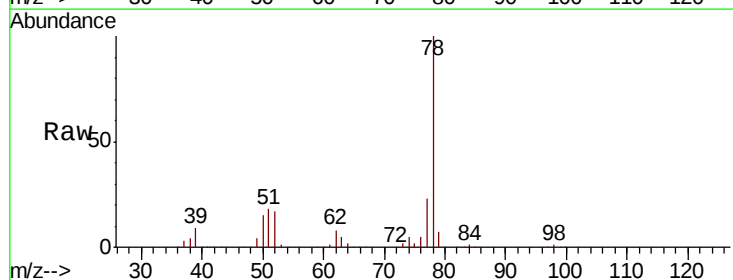
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

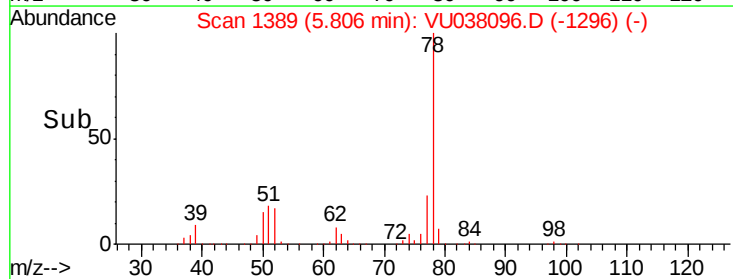
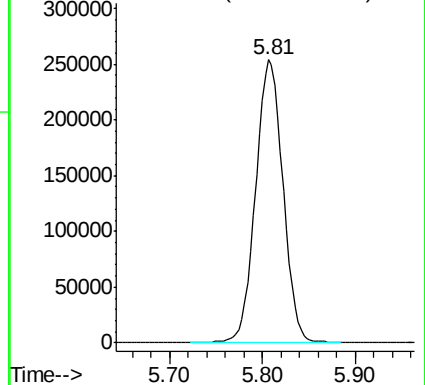
Lab File: VU038096.D

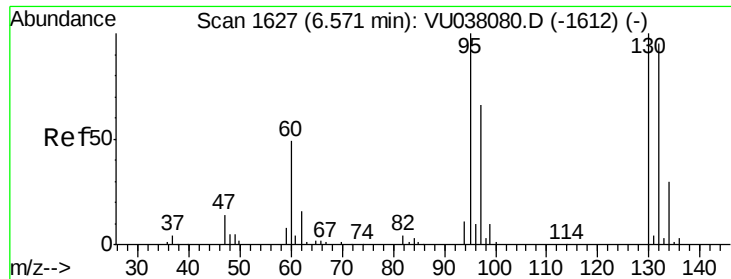
Acq: 08 May 2020 20:09

Tgt Ion: 78 Resp: 520262



Abundance Ion 78.10 (77.80 to 78.80): VU0

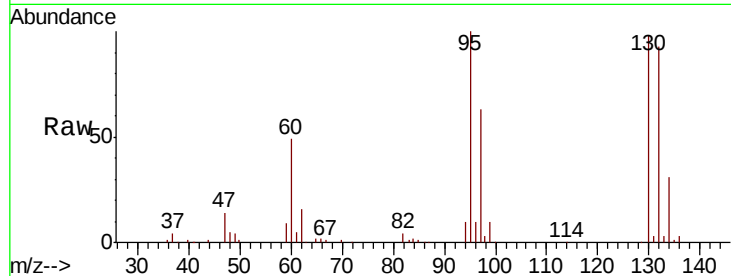




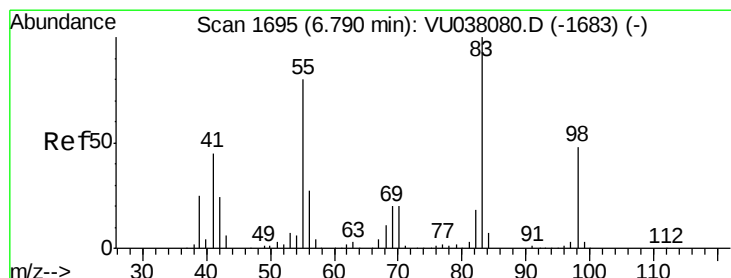
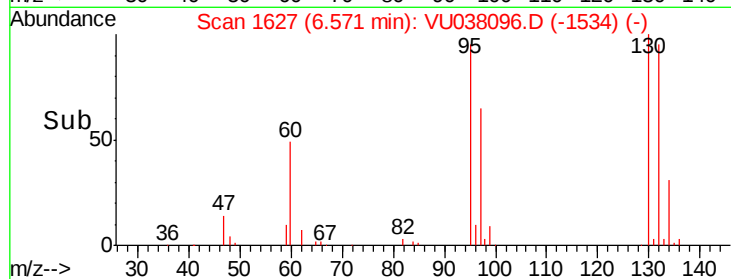
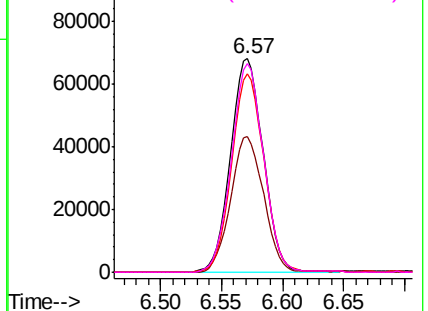
#34
 Trichloroethene
 Concen: 4.696 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 127303
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.9 83.3
 132 93.0 63.3 117.5
 130 97.8 65.7 122.1

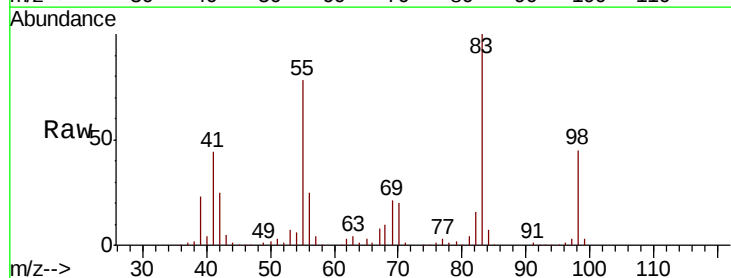


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

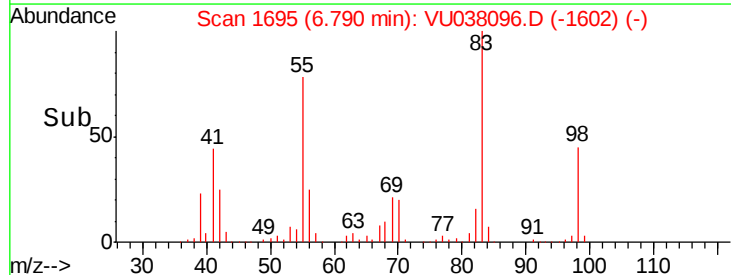
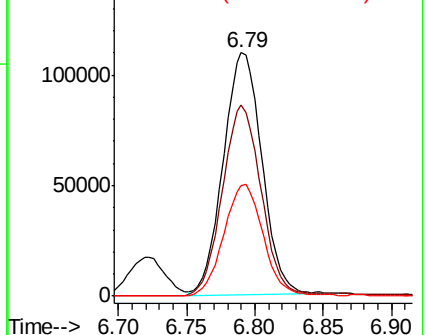


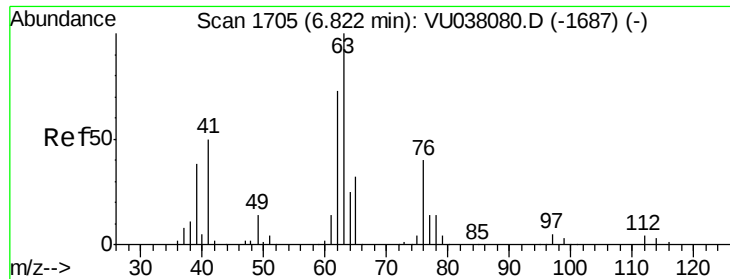
#35
 Methylcyclohexane
 Concen: 4.923 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion: 83 Resp: 216172
 Ion Ratio Lower Upper
 83 100
 55 79.1 66.7 100.1
 98 46.8 39.4 59.2



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

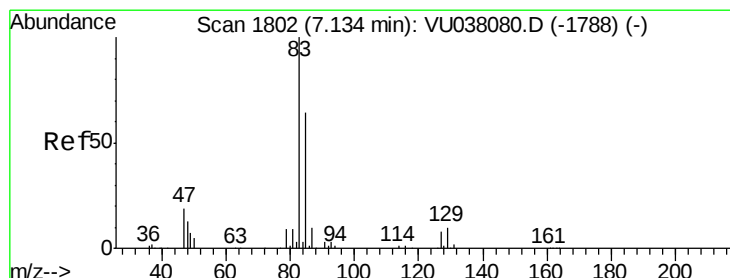
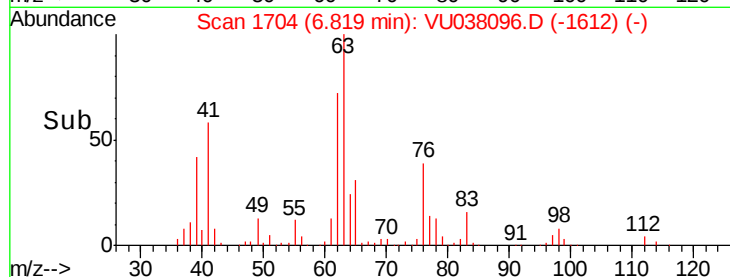
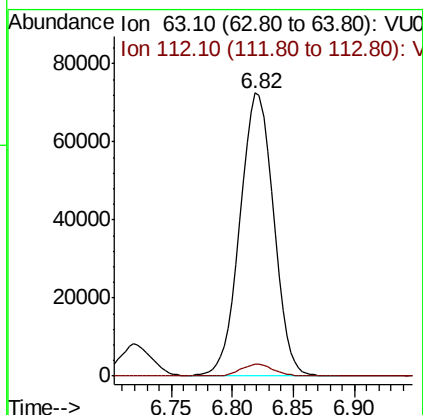
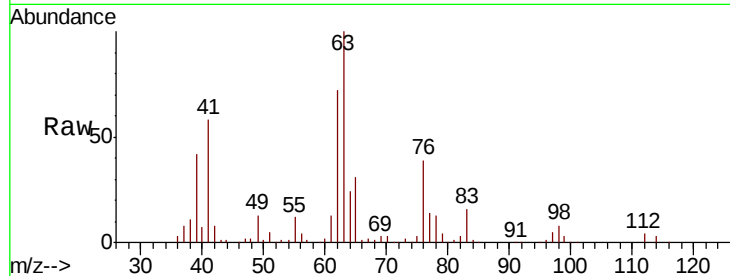




#37
 1,2-Dichloropropane
 Concen: 4.711 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

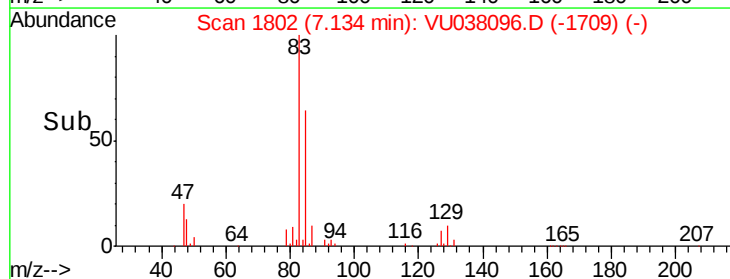
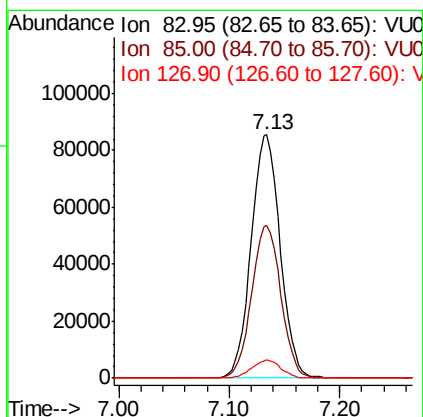
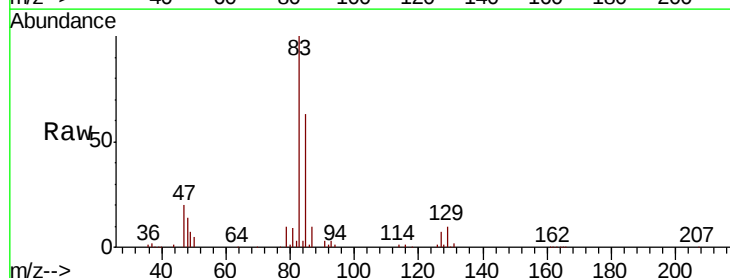
Instrument :
 MSVOA_U
 ClientSampled :

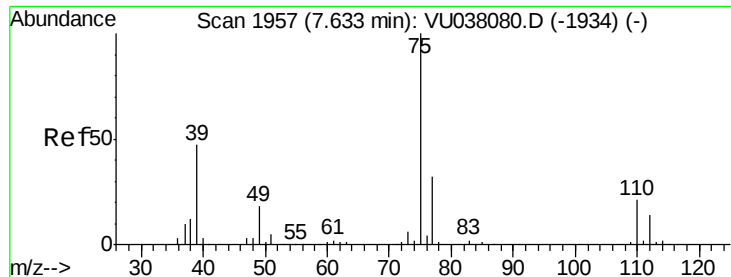
Tot Ion: 63 Resp: 138682
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.557 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion: 83 Resp: 155094
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.6 82.8
 127 7.3 6.4 9.6

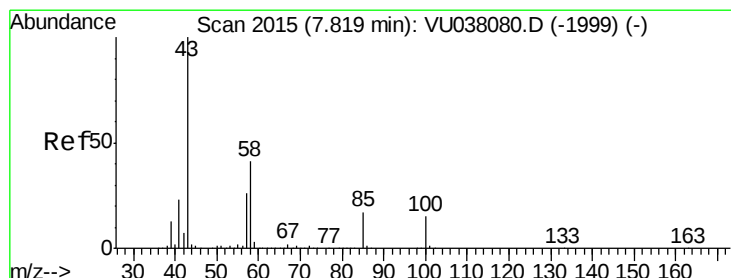
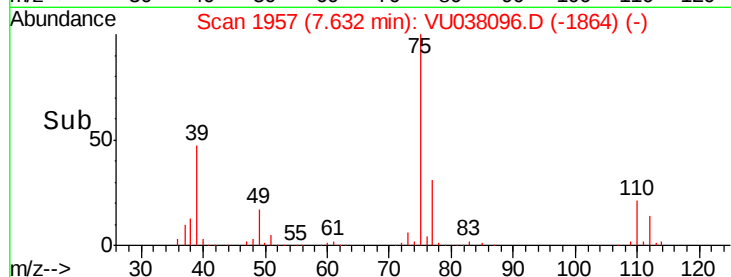
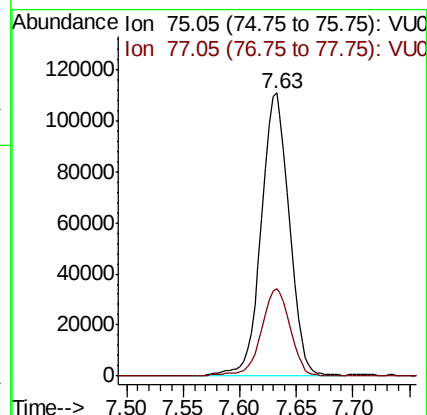
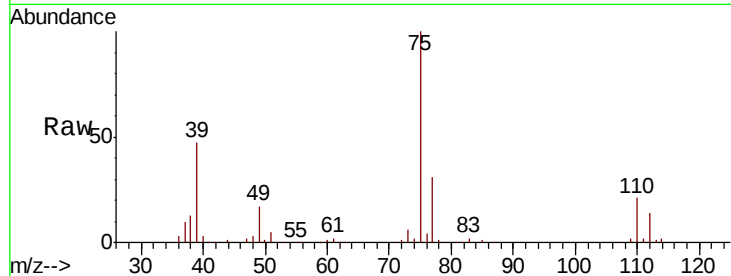




#39
 cis-1,3-Dichloropropene
 Concen: 4.546 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

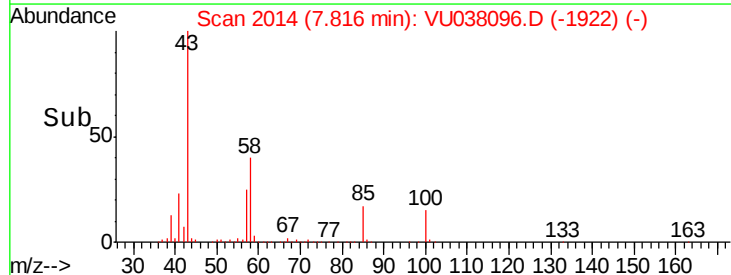
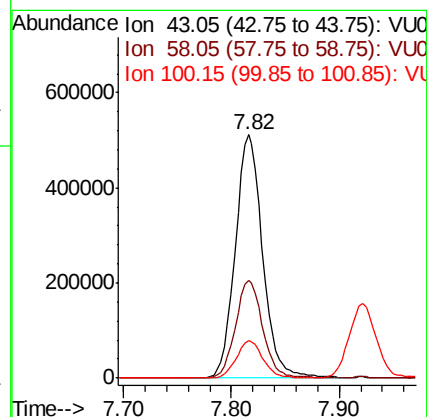
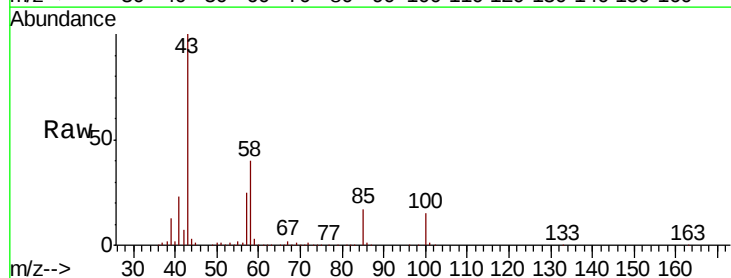
Instrument :
 MSVOA_U
 ClientSampleId :

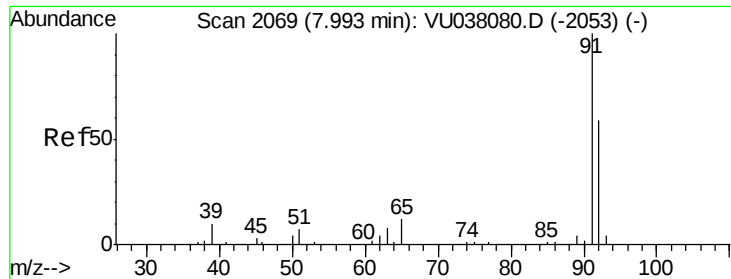
Tot Ion: 75 Resp: 191542
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 44.357 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion: 43 Resp: 905022
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 4.825 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

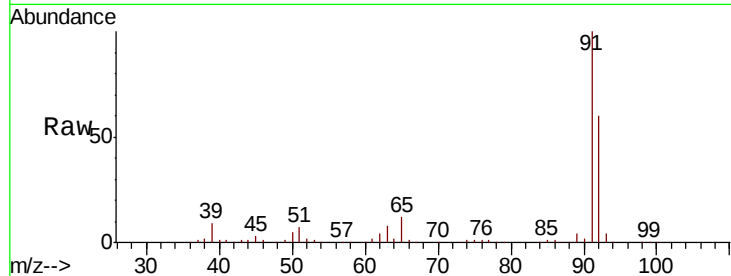
ClientSampleId :

Tot Ion: 91 Resp: 552034

Ion Ratio Lower Upper

91 100

92 59.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038080.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038080.D (-2053) (-)

7.99

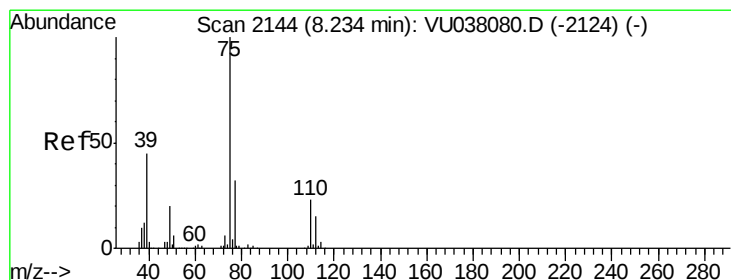
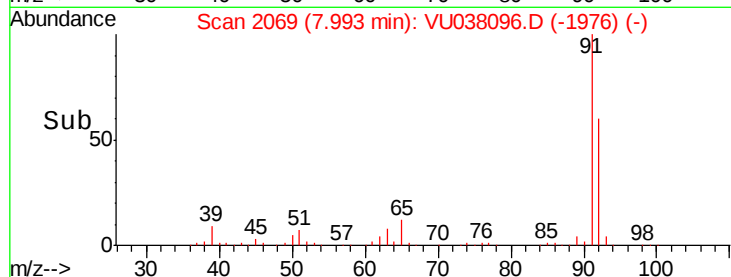
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.383 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038096.D

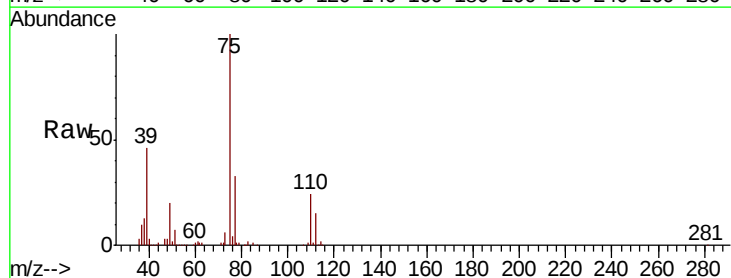
Acq: 08 May 2020 20:09

Tgt Ion: 75 Resp: 157034

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038080.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038080.D (-2124) (-)

8.23

100000

80000

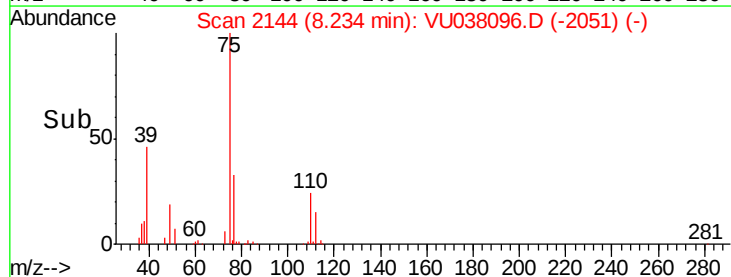
60000

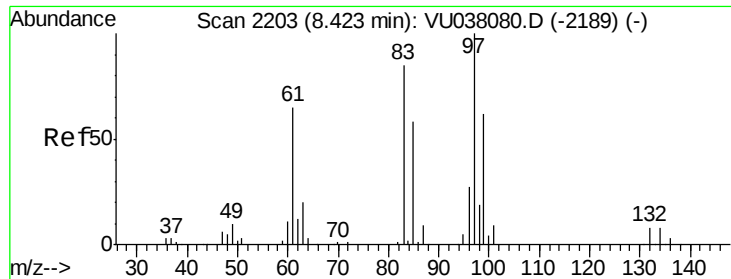
40000

20000

0

Time-->

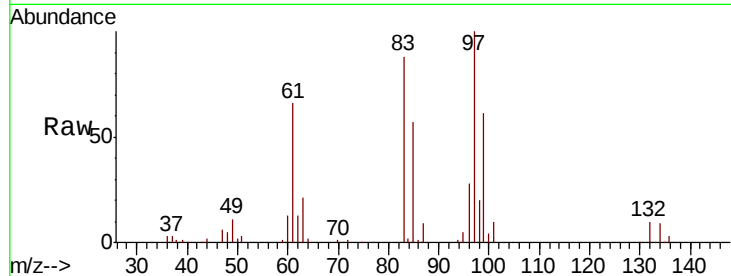




#45
 1,1,2-Trichloroethane
 Concen: 4.569 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	93406
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.0	81.6
83	87.6	59.6	110.8
85	56.9	41.3	76.7



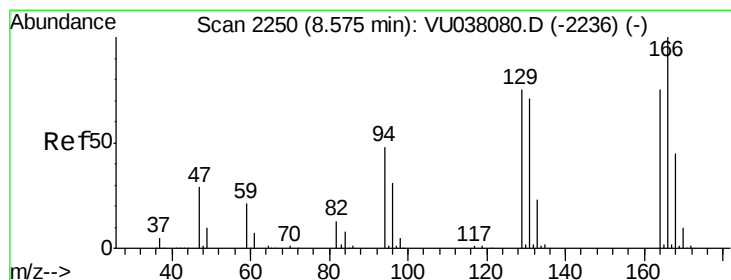
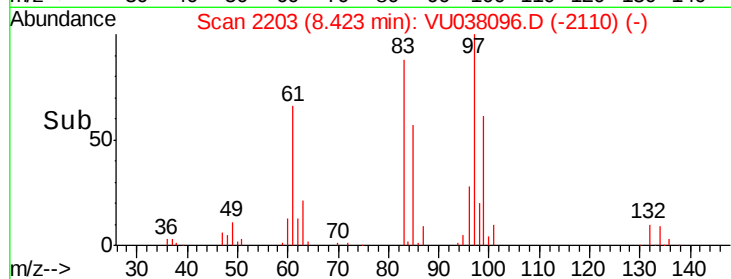
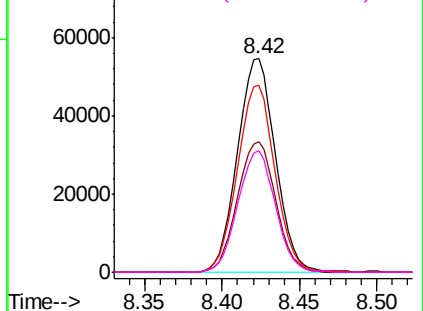
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

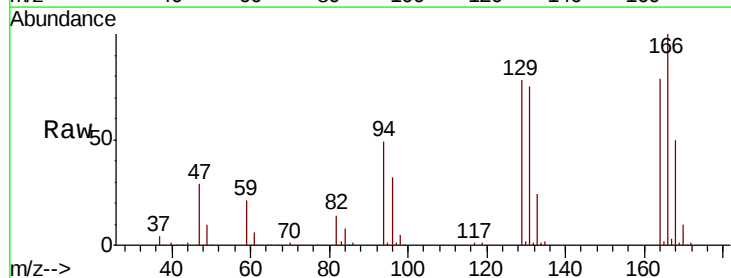
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.743 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion:	164	Resp:	89920
Ion	Ratio	Lower	Upper
164	100		
129	99.8	68.8	127.8
131	96.0	66.8	124.2
166	127.4	88.9	165.1



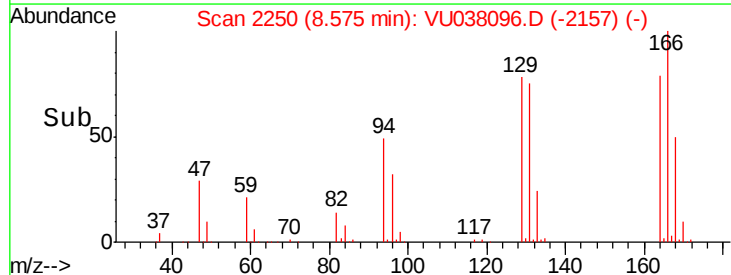
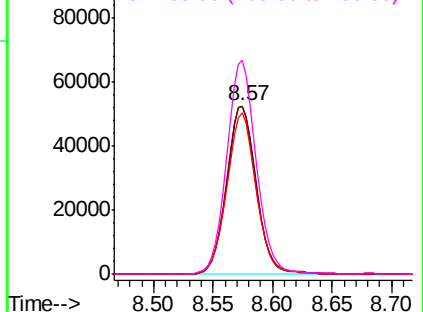
Abundance

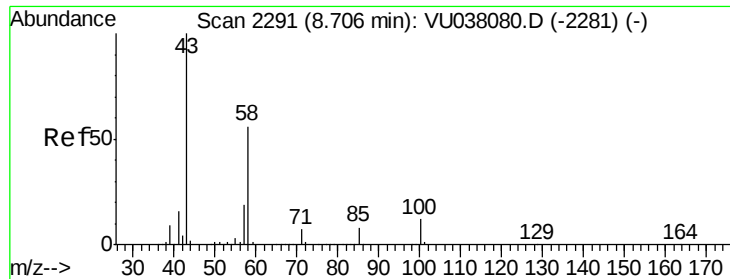
Ion 163.90 (163.60 to 164.60): V

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

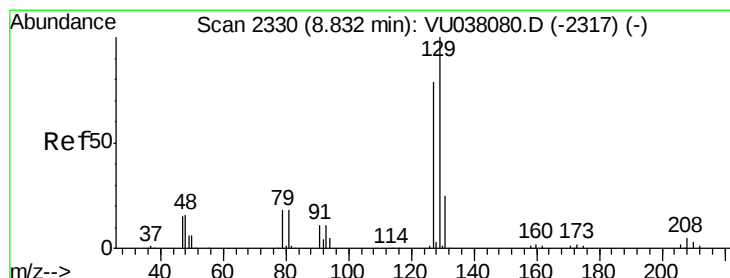
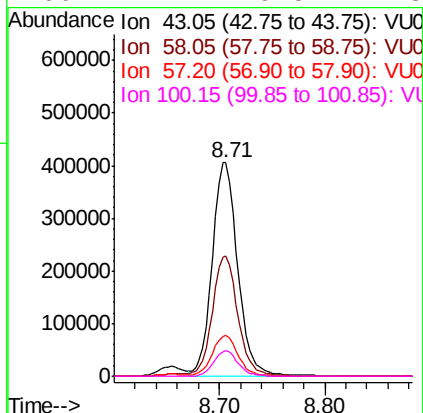
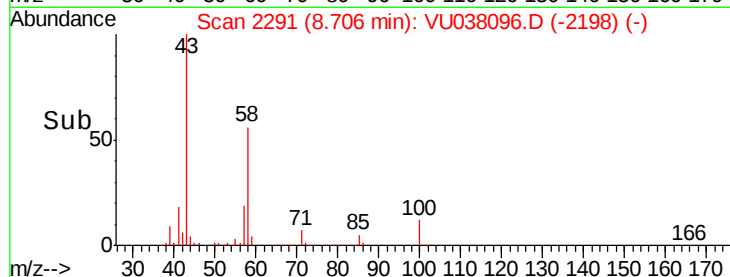
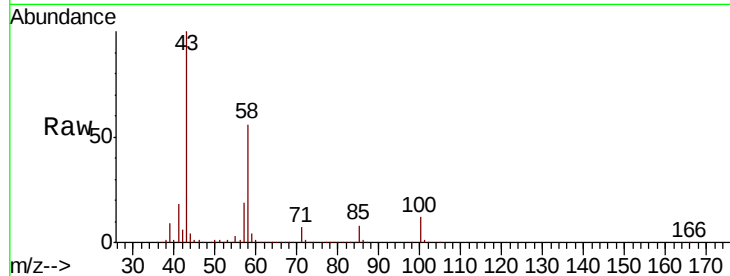




#48
2-Hexanone
Concen: 45.483 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

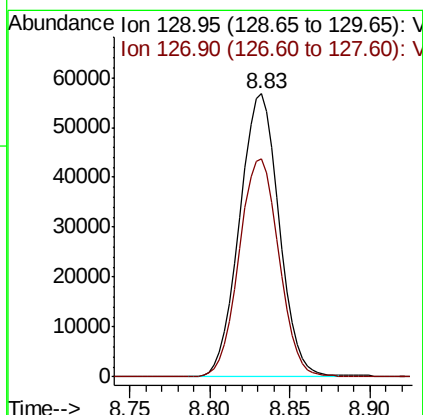
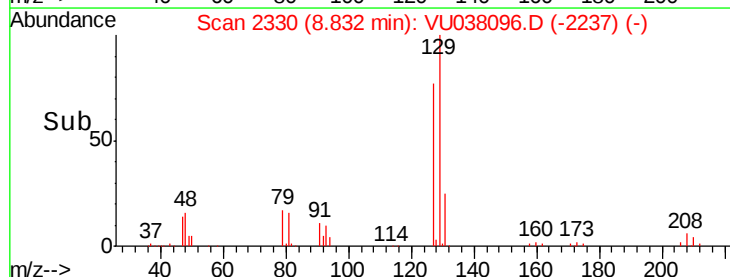
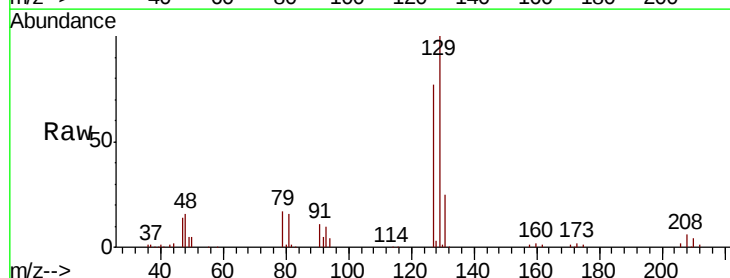
Instrument :
MSVOA_U
ClientSampled :

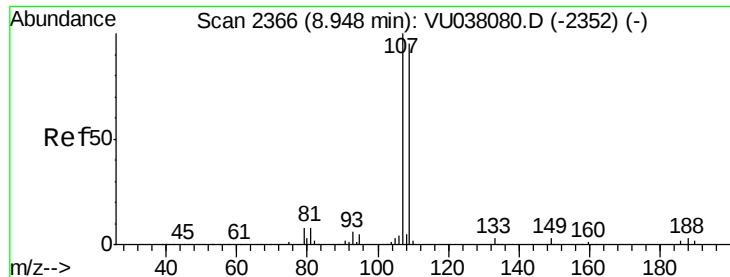
Tot Ion: 43 Resp: 679618
Ion Ratio Lower Upper
43 100
58 57.0 45.2 67.8
57 19.7 15.5 23.3
100 11.7 9.5 14.3



#49
Dibromochloromethane
Concen: 4.518 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion: 129 Resp: 95851
Ion Ratio Lower Upper
129 100
127 77.0 55.6 103.4

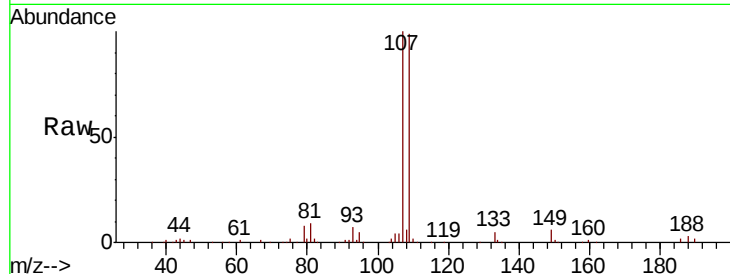




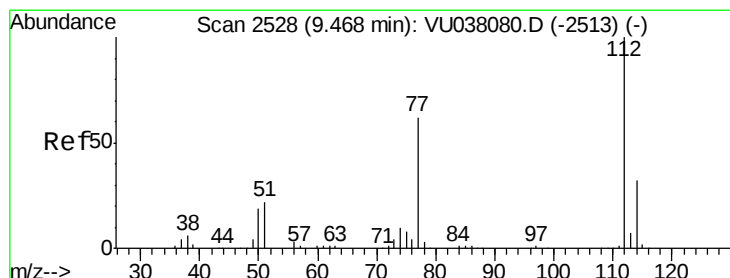
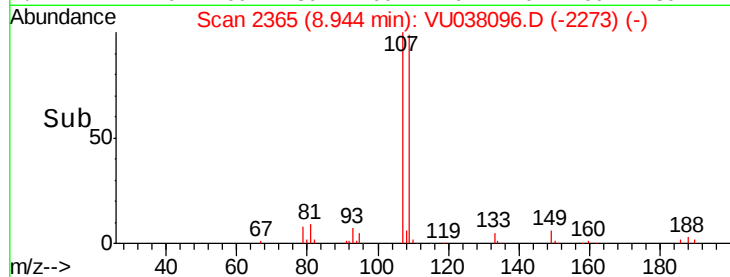
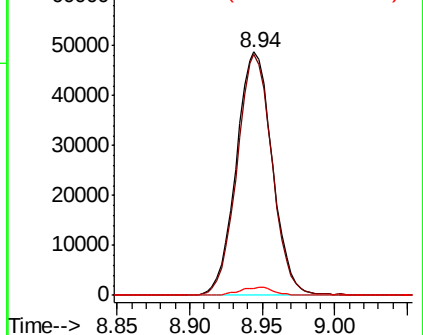
#50
 1,2-Dibromoethane
 Concen: 4.446 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 84354
 Ion Ratio Lower Upper
 107 100
 109 99.1 65.1 120.9
 188 2.9 2.6 4.0

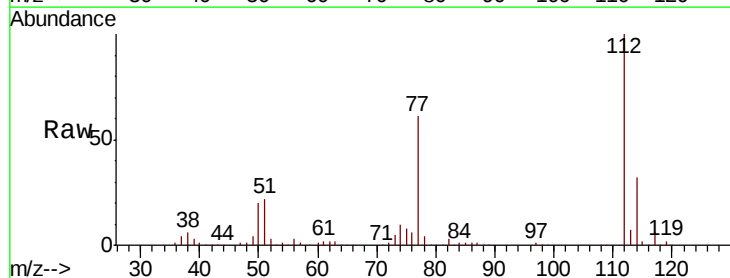


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

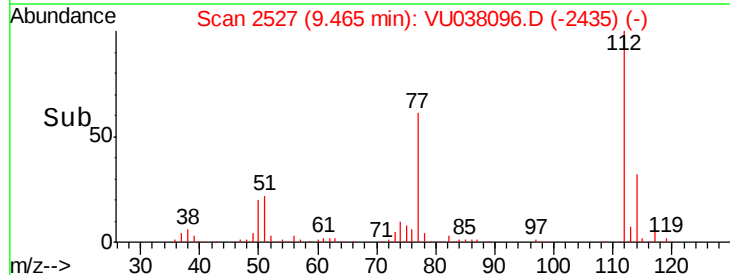
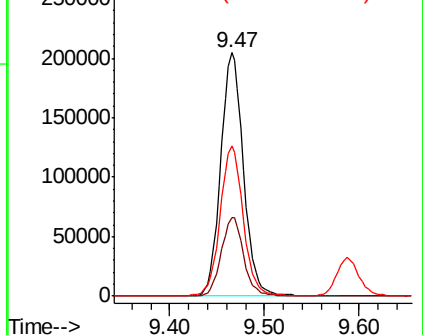


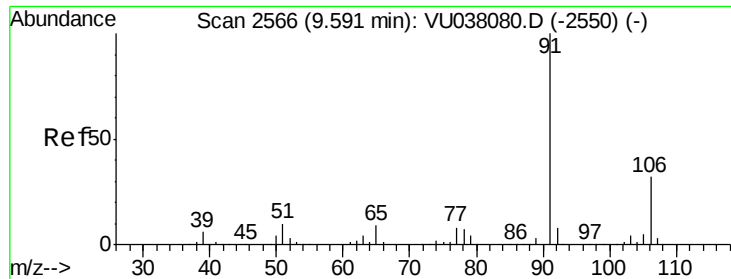
#51
 Chlorobenzene
 Concen: 4.799 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion:112 Resp: 340757
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.5 41.7
 77 61.5 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

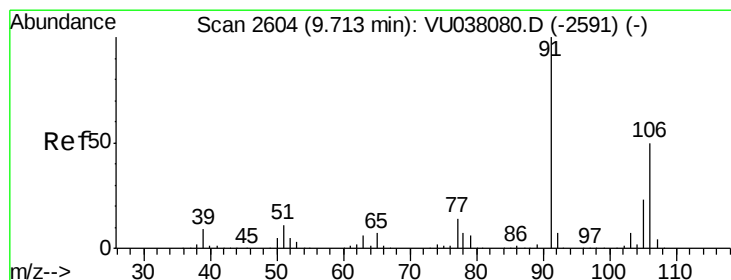
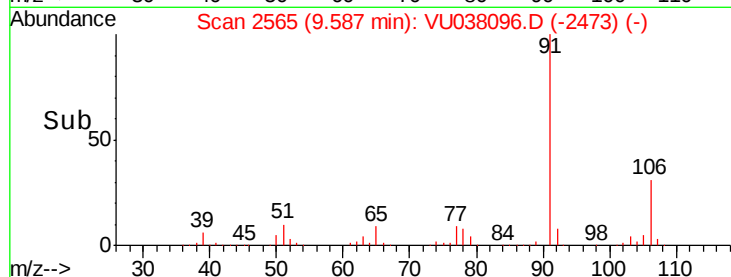
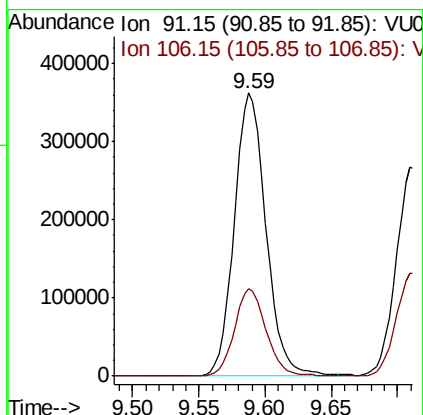
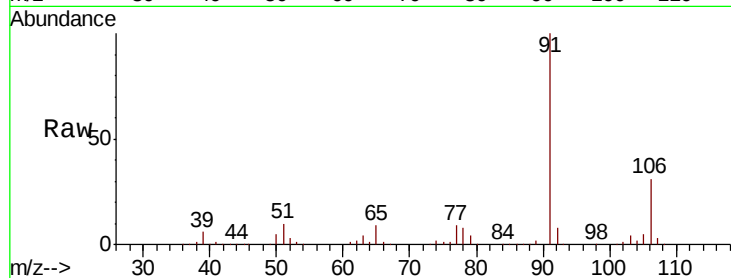




#52
Ethylbenzene
Concen: 4.856 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

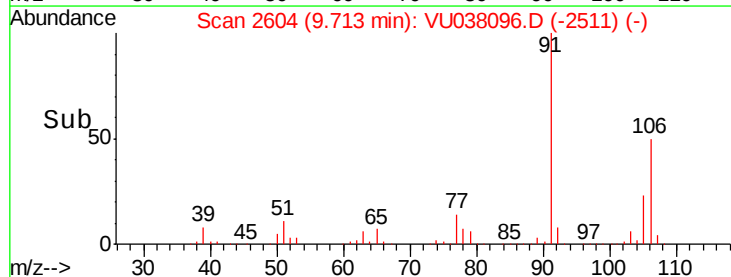
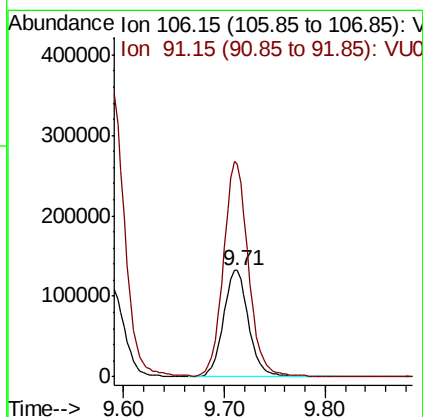
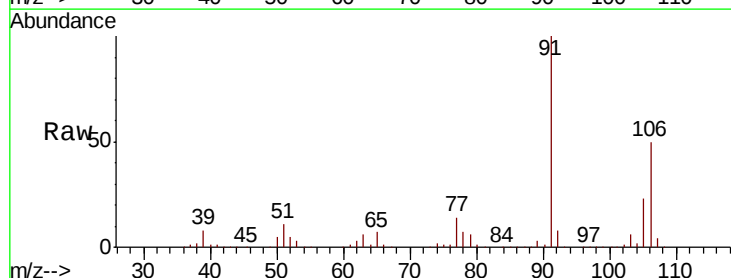
Instrument :
MSVOA_U
ClientSampled :

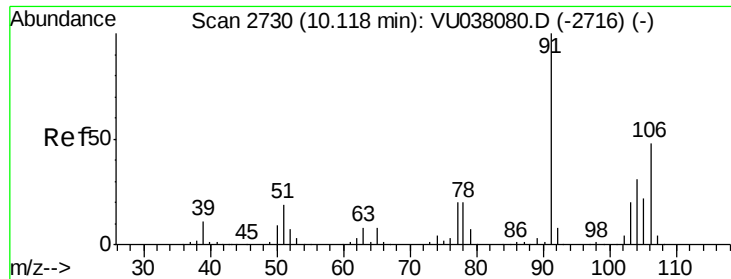
Tot Ion: 91 Resp: 601807
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



#53
m,p-Xylene
Concen: 4.859 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion: 106 Resp: 230922
Ion Ratio Lower Upper
106 100
91 199.3 142.1 263.9

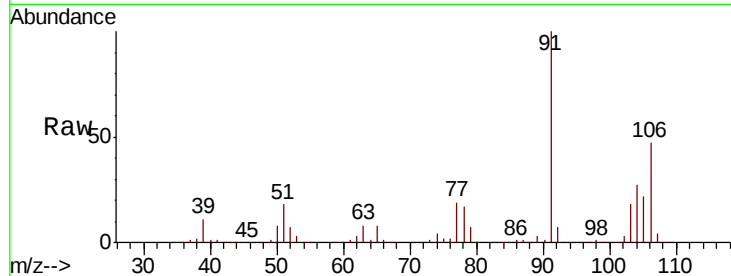




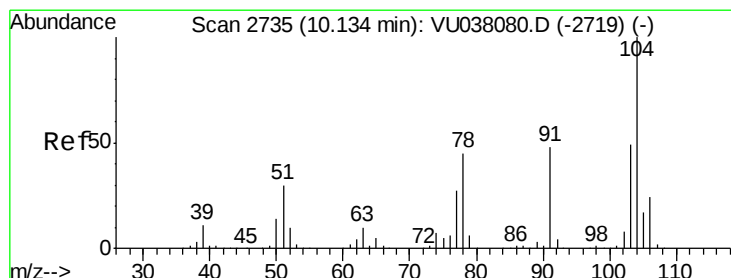
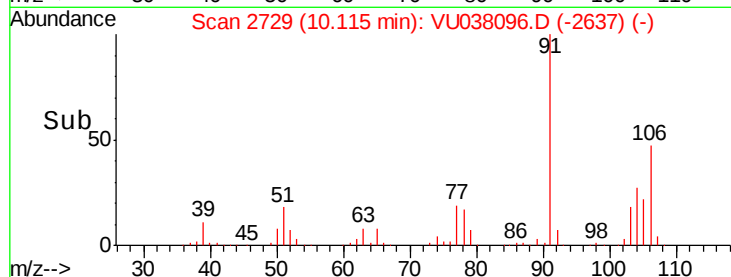
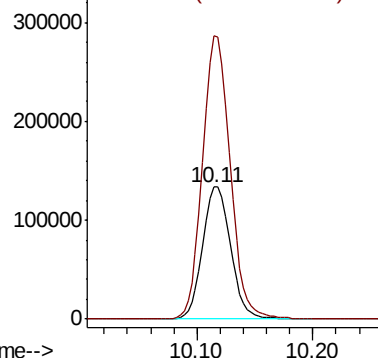
#54
o-Xylene
Concen: 4.865 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 223522
Ion Ratio Lower Upper
106 100
91 214.0 148.5 275.9

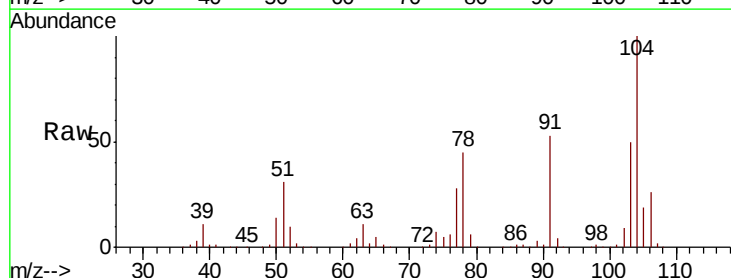


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

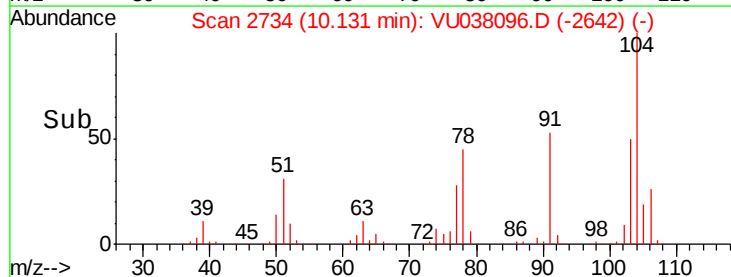
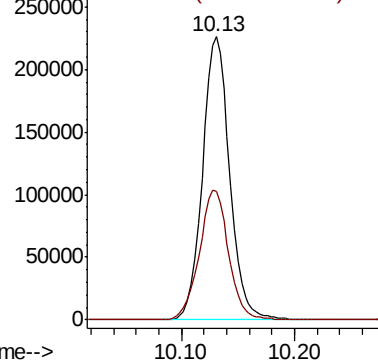


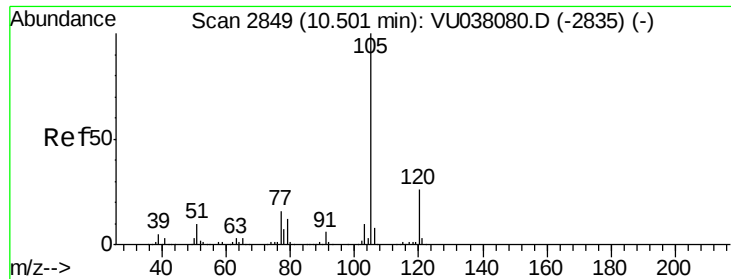
#55
Styrene
Concen: 4.882 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038096.D
Acq: 08 May 2020 20:09

Tgt Ion:104 Resp: 376568
Ion Ratio Lower Upper
104 100
78 45.5 32.3 59.9



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





#56

Isopropylbenzene

Concen: 4.897 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

ClientSampled :

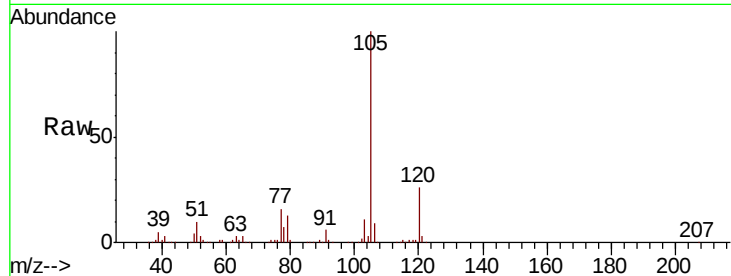
Tot Ion:105 Resp: 577991

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

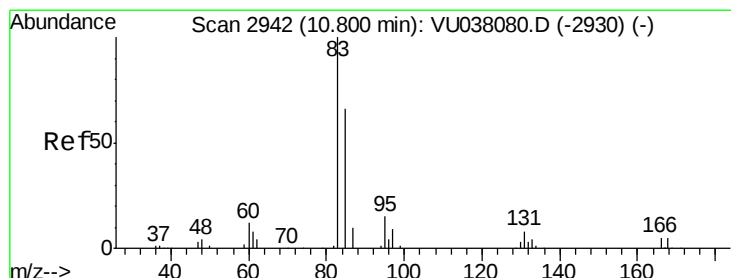
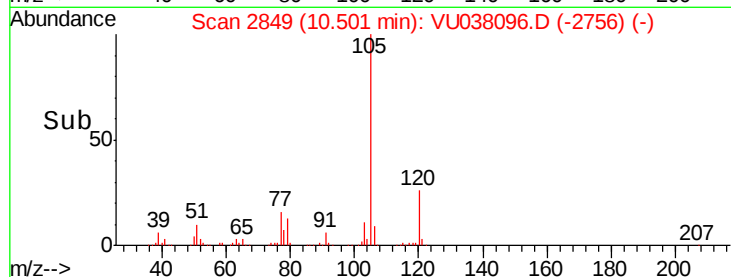
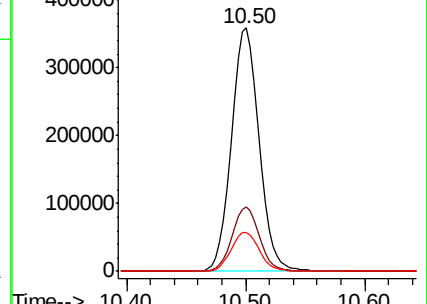
77 16.3 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.500 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

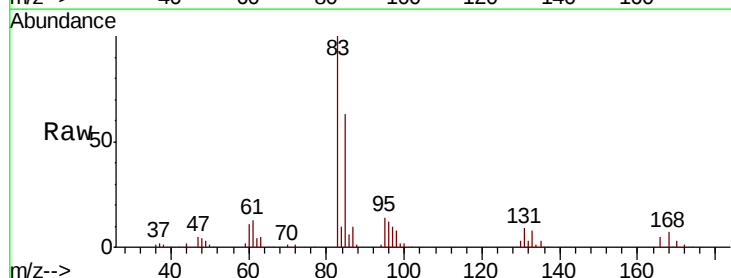
Tgt Ion: 83 Resp: 116794

Ion Ratio Lower Upper

83 100

85 63.3 47.0 87.2

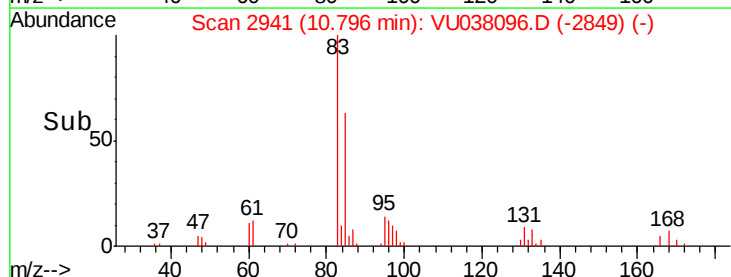
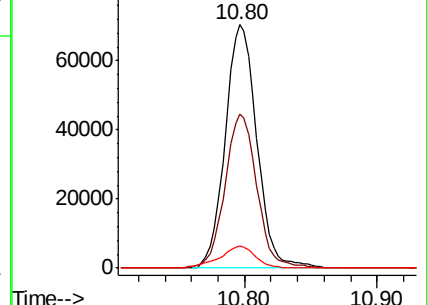
131 9.2 7.7 11.5

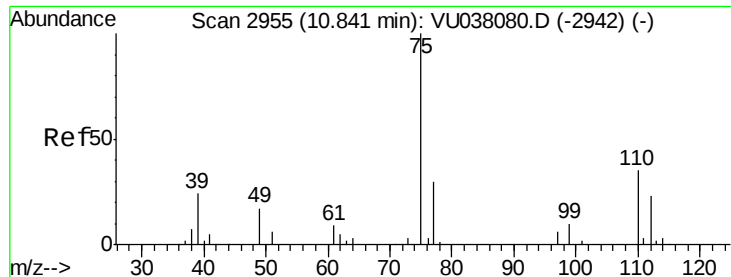


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.452 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

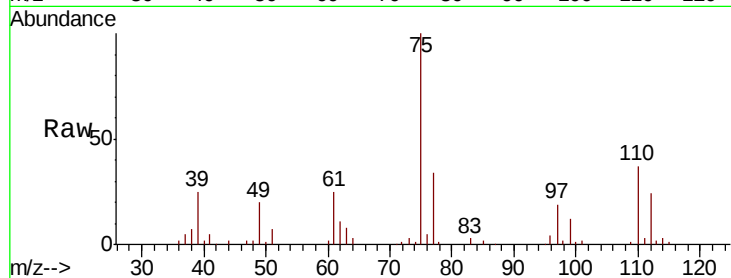
ClientSampleId :

Tot Ion: 75 Resp: 87972

Ion Ratio Lower Upper

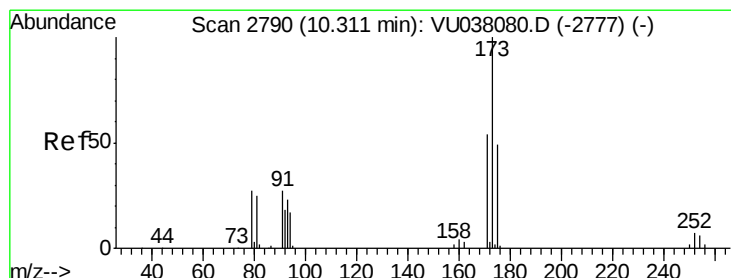
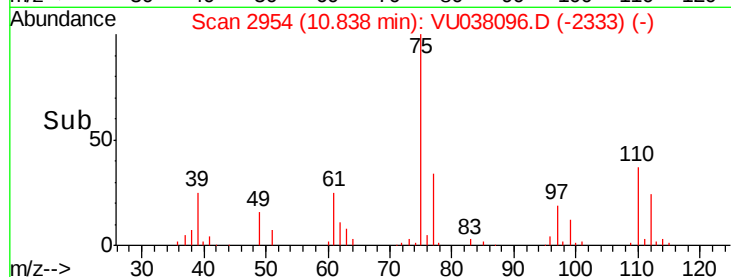
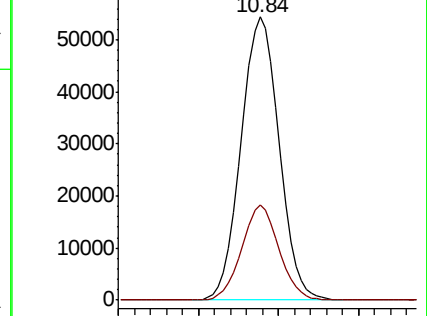
75 100

77 32.8 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU038080.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU038080.D (-2942) (-)



#61

Bromoform

Concen: 4.454 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

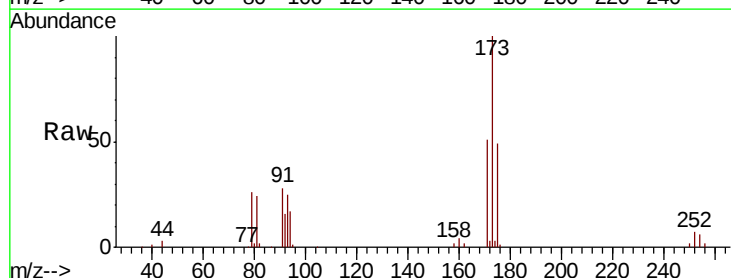
Tgt Ion: 173 Resp: 48870

Ion Ratio Lower Upper

173 100

175 47.8 39.5 59.3

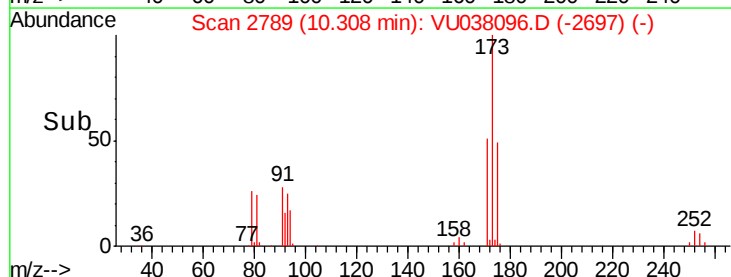
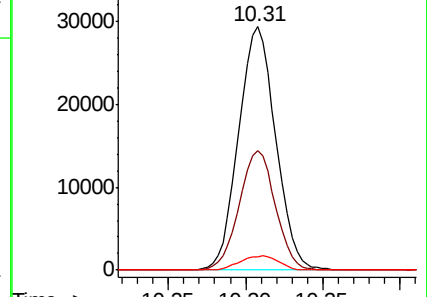
254 6.1 5.0 7.4

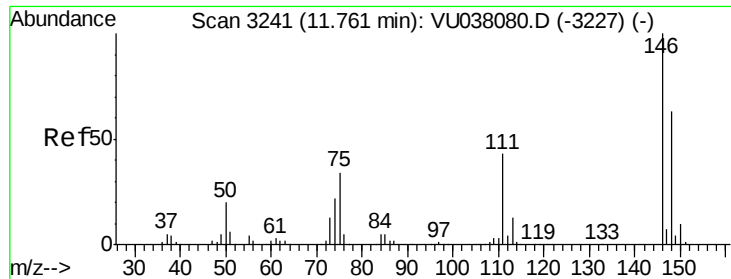


Abundance Ion 172.90 (172.60 to 173.60): VU038080.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU038080.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU038080.D (-2777) (-)

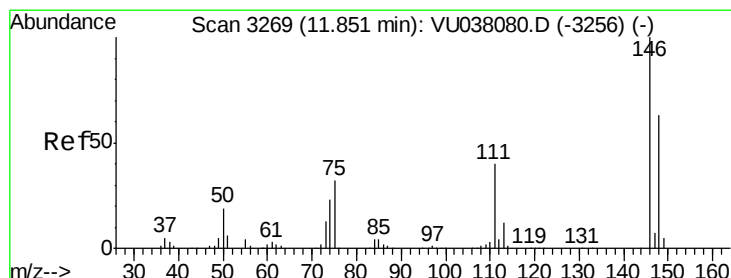
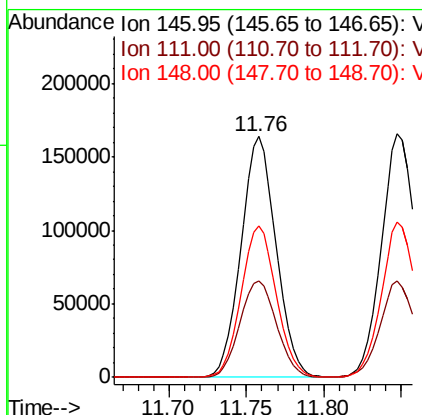
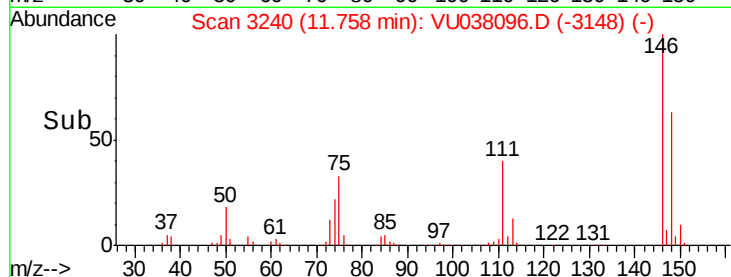
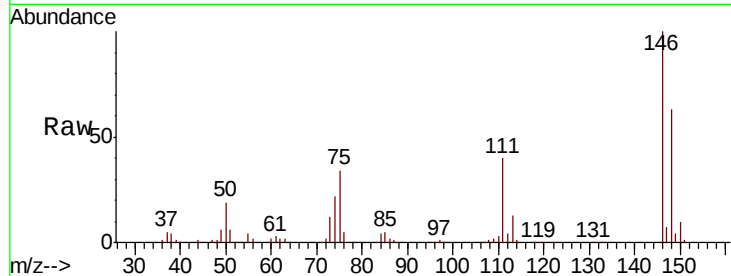




#62
 1,3-Dichlorobenzene
 Concen: 4.892 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

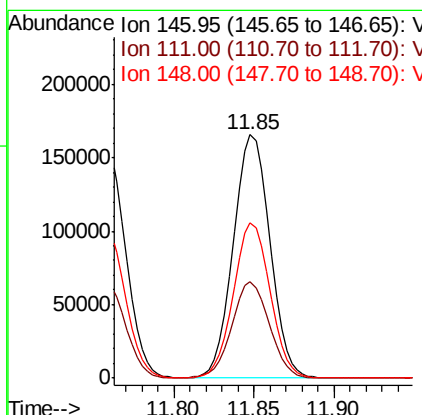
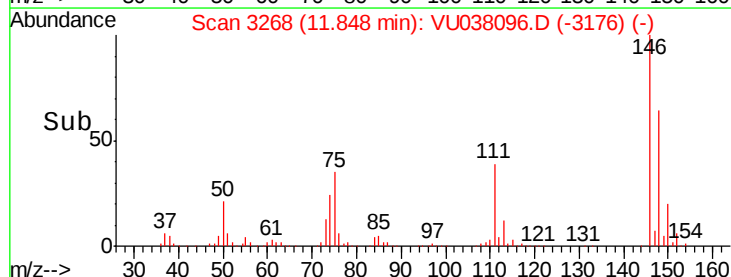
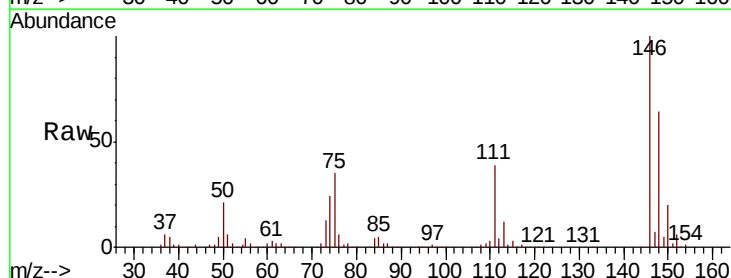
Instrument :
 MSVOA_U
 ClientSampled :

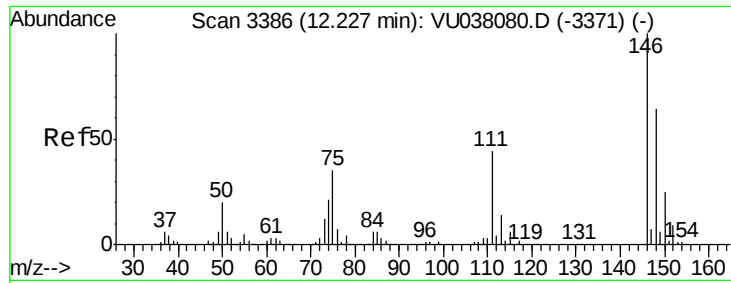
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.6	53.2
148	62.8	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.826 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.2	50.6
148	63.6	43.8	81.3





#65

1,2-Dichlorobenzene

Concen: 4.781 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

ClientSampleId :

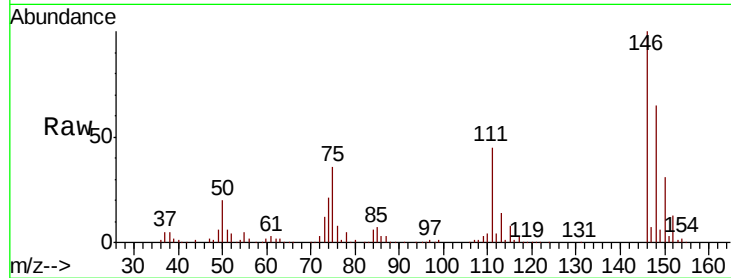
Tot Ion:146 Resp: 242970

Ion Ratio Lower Upper

146 100

111 45.0 35.3 52.9

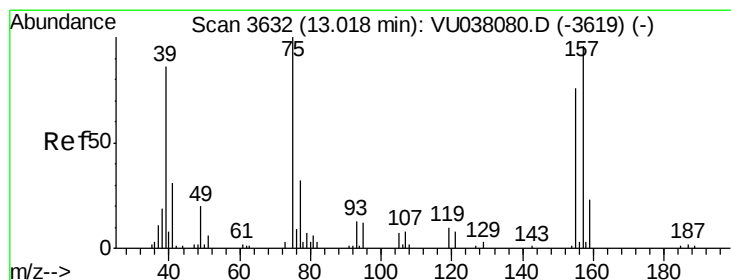
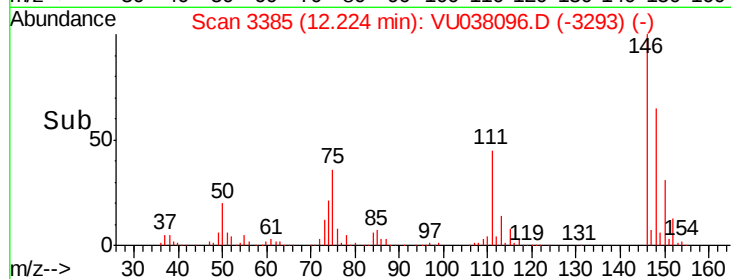
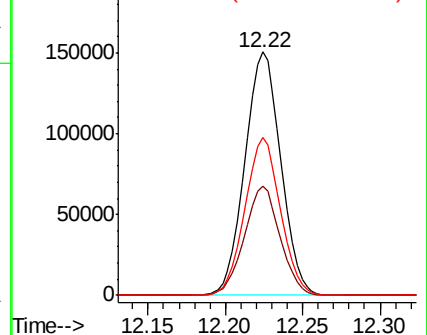
148 64.7 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.319 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

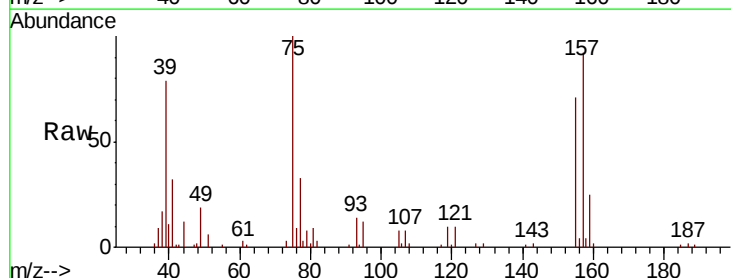
Tgt Ion: 75 Resp: 17937

Ion Ratio Lower Upper

75 100

155 71.4 58.2 87.2

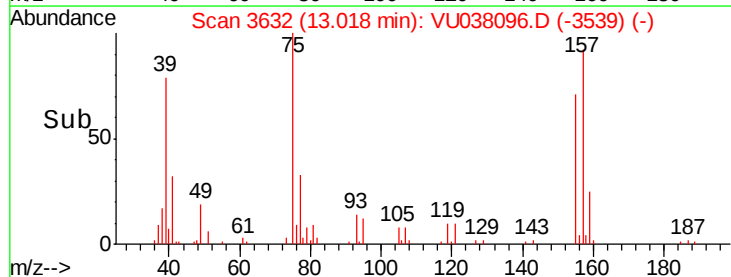
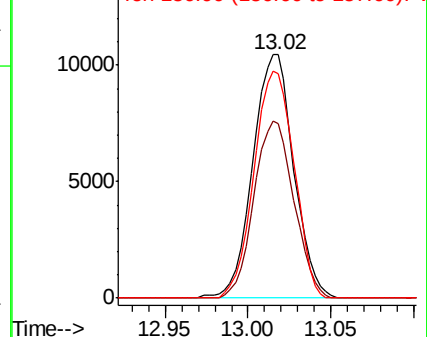
157 92.1 72.9 109.3

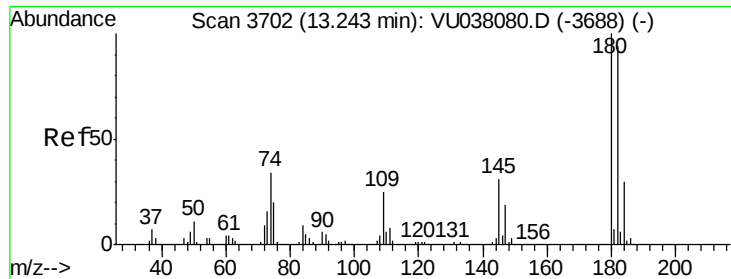


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

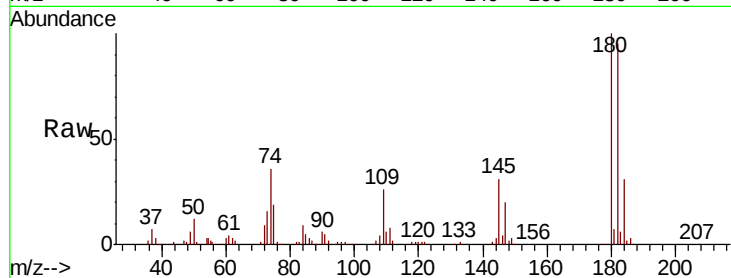




#67
 1,3,5-Trichlorobenzene
 Concen: 4.746 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.4	116.2
184	31.3	24.2	36.2
145	30.1	24.0	36.0



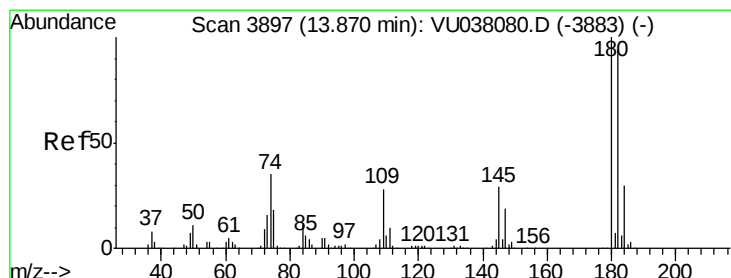
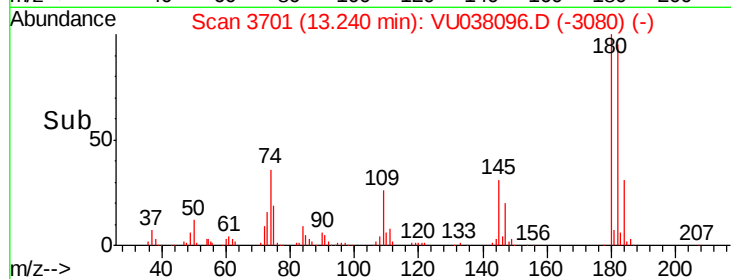
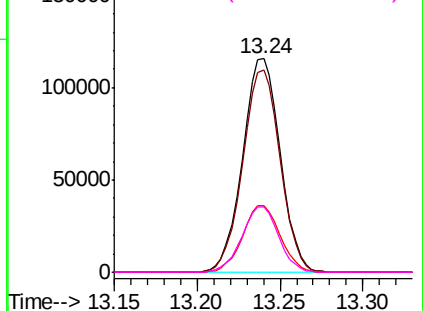
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

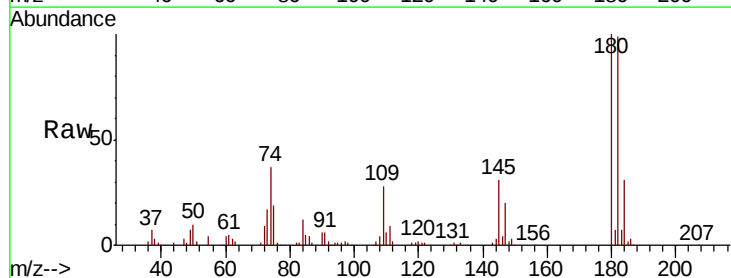
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.759 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038096.D
 Acq: 08 May 2020 20:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.0	112.6
145	30.7	24.8	37.2

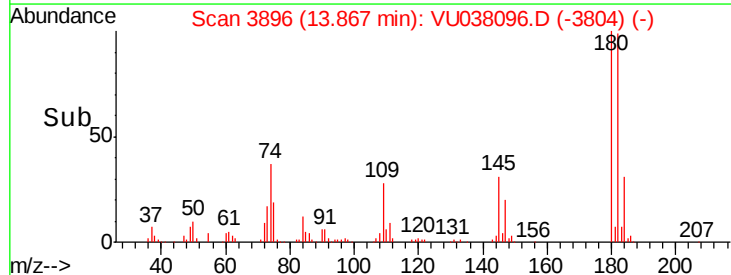
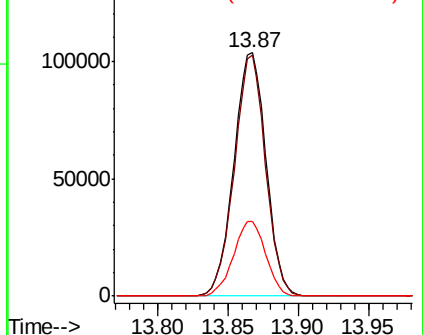


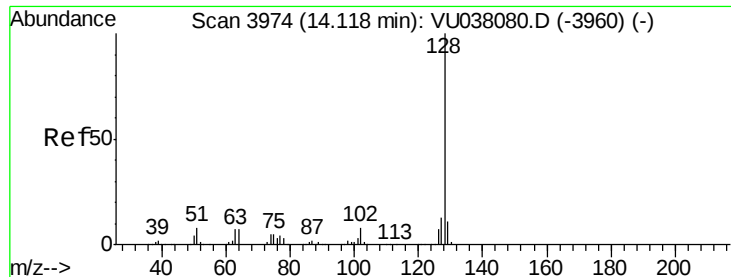
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.539 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

Instrument :

MSVOA_U

ClientSampled :

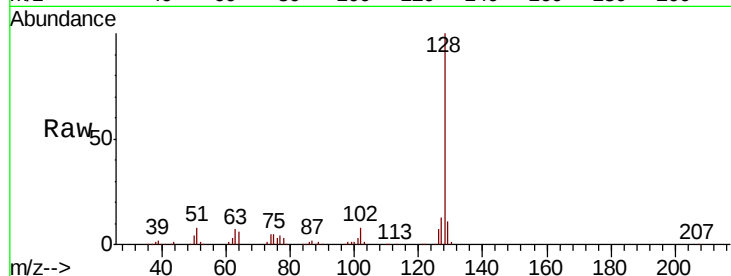
Tot Ion:128 Resp: 332181

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

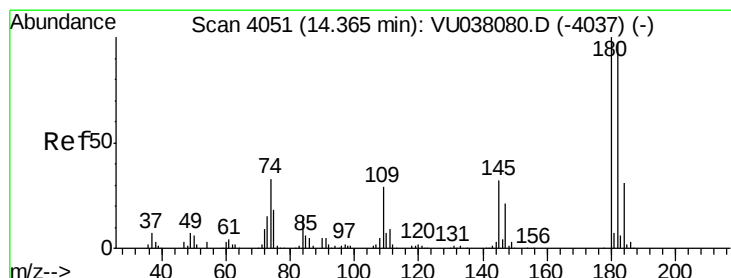
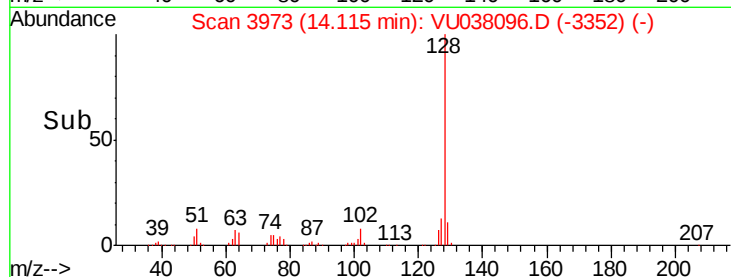
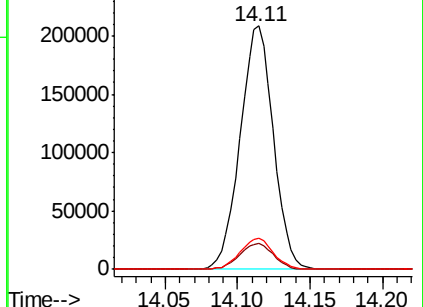
127 12.7 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.723 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038096.D

Acq: 08 May 2020 20:09

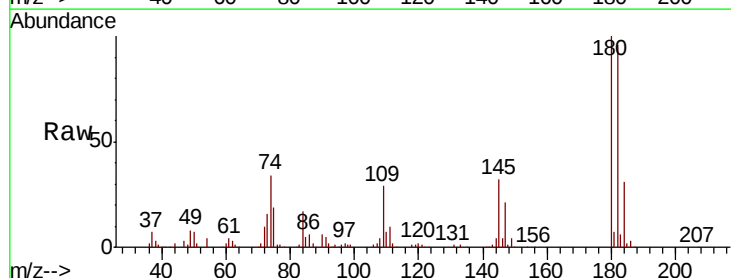
Tgt Ion:180 Resp: 152620

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

145 32.3 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

