

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052020\
 Data File : VU038240.D
 Acq On : 20 May 2020 10:46
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 01:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 11:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	370675	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	363957	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	186585	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	173632	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.93	69	154382	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.59	63	291288	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.67	46	489129	58.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.94%
24) Chloroform-d	5.10	84	286926	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.74	65	165085	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.76	84	581774	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	191855	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	7.93	98	540538	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.20	79	77321	5.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.60%
46) 2-Hexanone-d5	8.66	63	372466	55.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	155053	5.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	193397	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	170258	5.022	ug/L 100
3) Chloromethane	1.53	50	198063	4.848	ug/L 99
5) Vinyl chloride	1.62	62	206332	5.154	ug/L 100
6) Bromomethane	1.87	94	107450	4.714	ug/L 100
8) Chloroethane	1.95	64	131270	5.331	ug/L 97
9) Trichlorofluoromethane	2.16	101	227460	5.557	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	147339	5.806	ug/L 97
12) 1,1-Dichloroethene	2.61	96	137370	5.340	ug/L 88
13) Acetone	2.66	43	310676	59.194	ug/L 99
14) Carbon disulfide	2.82	76	437648	4.769	ug/L 100
15) Methyl Acetate	2.98	43	77137	5.254	ug/L 95
16) Methylene chloride	3.08	84	158667	5.292	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	380564	5.324	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	146728	5.224	ug/L 96
19) 1,1-Dichloroethane	3.91	63	297484	5.423	ug/L 97
21) 2-Butanone	4.75	43	527780	56.972	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	164549	5.437	ug/L 99

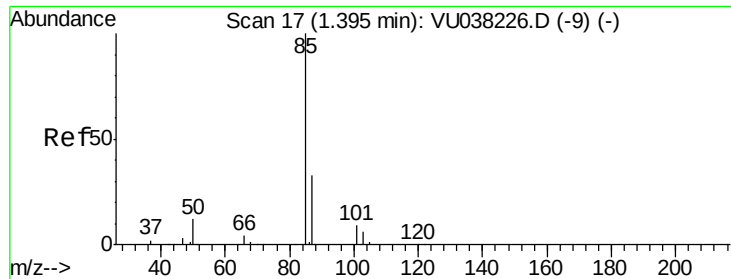
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052020\
 Data File : VU038240.D
 Acq On : 20 May 2020 10:46
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 01:12:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 11:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	71881	5.519	ug/L	97
25) Chloroform	5.13	83	283982	5.551	ug/L	100
27) 1,2-Dichloroethane	5.83	62	201238	5.572	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	234691	5.628	ug/L	99
30) Cyclohexane	5.42	56	263487	5.352	ug/L	100
31) Carbon tetrachloride	5.56	117	190154	5.674	ug/L	98
33) Benzene	5.81	78	645063	5.535	ug/L	100
34) Trichloroethene	6.57	95	160273	5.498	ug/L	98
35) Methylcyclohexane	6.79	83	265148	5.615	ug/L	96
37) 1,2-Dichloropropane	6.82	63	174196	5.502	ug/L	99
38) Bromodichloromethane	7.13	83	209154	5.715	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	252716	5.578	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	1211447	55.214	ug/L	99
42) Toluene	8.00	91	674344	5.481	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	215575	5.595	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	121283	5.517	ug/L	98
47) Tetrachloroethene	8.58	164	114786	5.630	ug/L	99
48) 2-Hexanone	8.71	43	901265	56.089	ug/L	99
49) Dibromochloromethane	8.84	129	130738	5.730	ug/L	98
50) 1,2-Dibromoethane	8.95	107	113405	5.558	ug/L	98
51) Chlorobenzene	9.47	112	427313	5.596	ug/L	98
52) Ethylbenzene	9.59	91	734169	5.509	ug/L	100
53) m,p-Xylene	9.71	106	288913	5.653	ug/L	98
54) o-Xylene	10.12	106	275363	5.573	ug/L	99
55) Styrene	10.13	104	469405	5.659	ug/L	100
56) Isopropylbenzene	10.50	105	724704	5.710	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	155949	5.587	ug/L	94
59) 1,2,3-Trichloropropane	10.84	75	118779	5.590	ug/L	100
61) Bromoform	10.31	173	68531	5.434	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	335854	5.532	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	334405	5.436	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	316241	5.415	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	25202	5.280	ug/L	91
67) 1,3,5-Trichlorobenzene	13.25	180	243034	5.517	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	219418	5.492	ug/L	100
69) Naphthalene	14.12	128	437166	5.197	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	201924	5.437	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.022 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

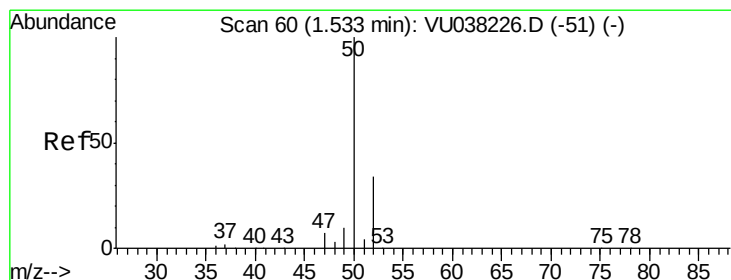
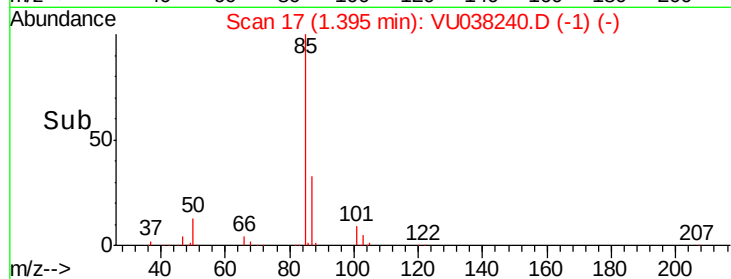
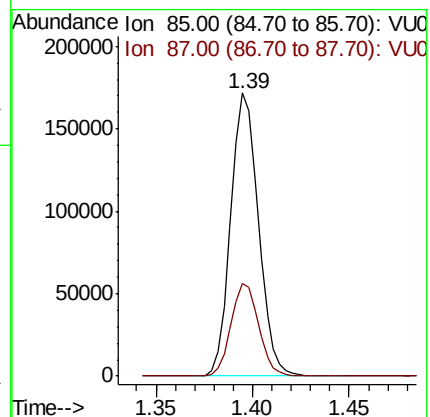
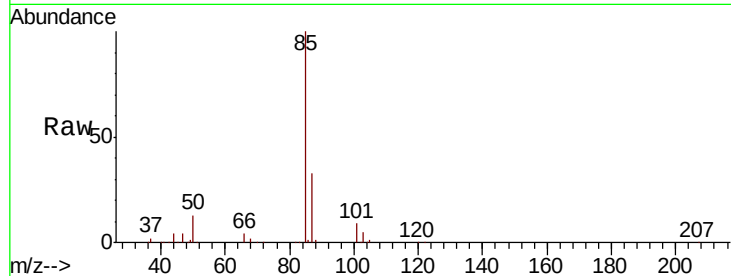
ClientSampleId :

Tot Ion: 85 Resp: 170258

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.4



#3

Chloromethane

Concen: 4.848 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038240.D

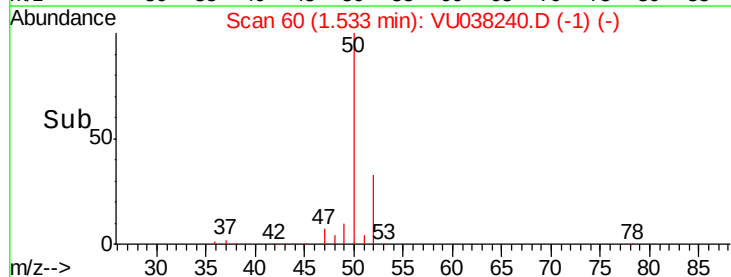
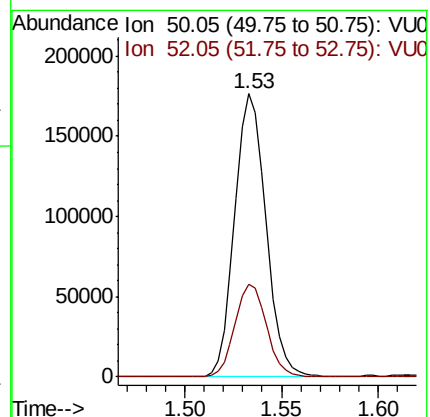
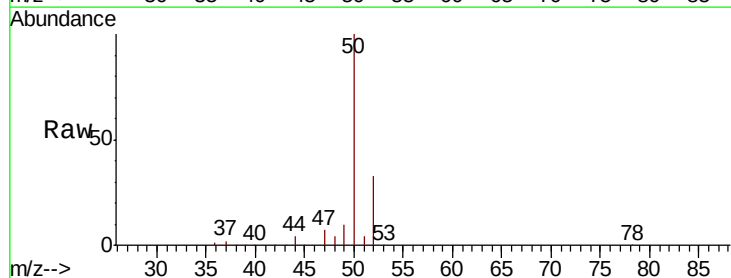
Acq: 20 May 2020 10:46

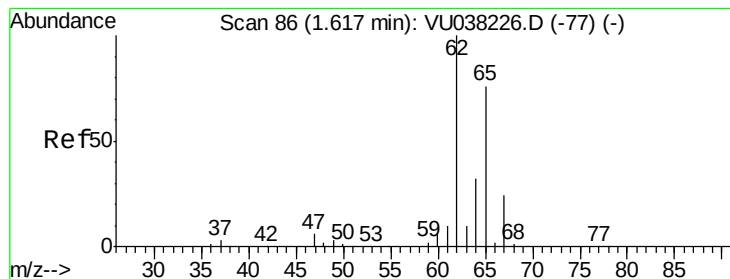
Tgt Ion: 50 Resp: 198063

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.7





#5

Vinyl chloride

Concen: 5.154 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

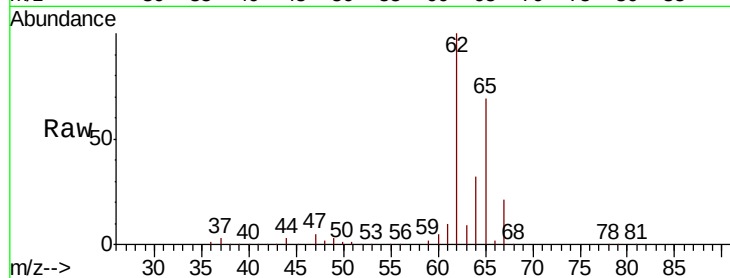
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 206332

Ion Ratio Lower Upper

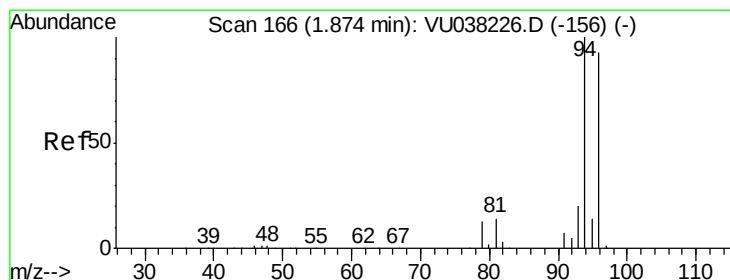
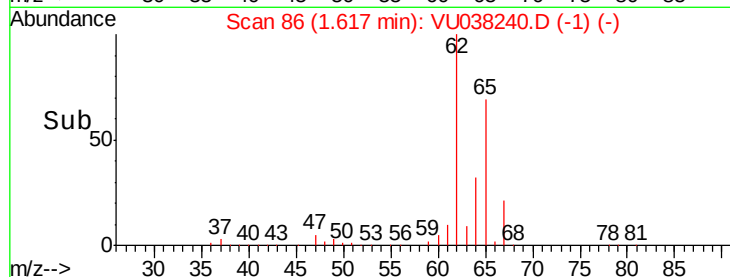
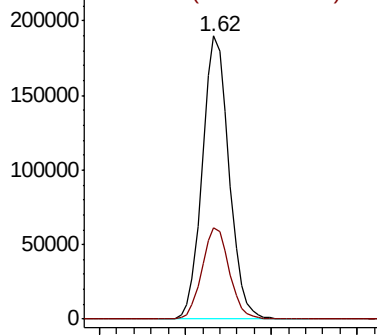
62 100

64 32.4 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: 4.714 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038240.D

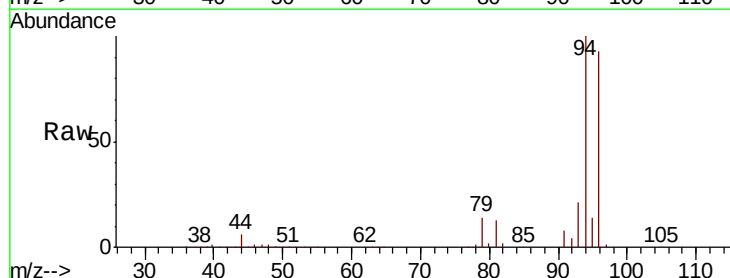
Acq: 20 May 2020 10:46

Tgt Ion: 94 Resp: 107450

Ion Ratio Lower Upper

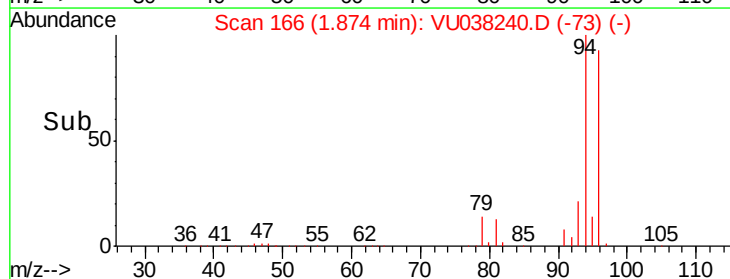
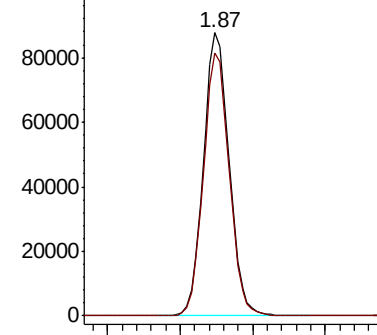
94 100

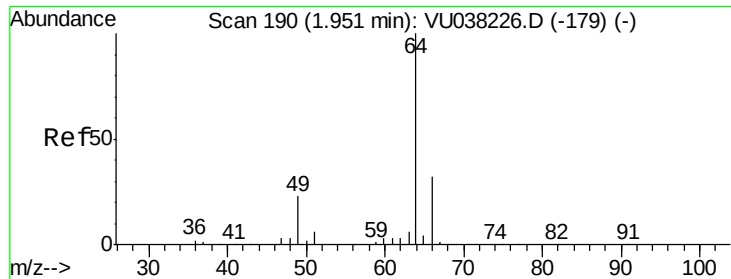
96 92.9 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

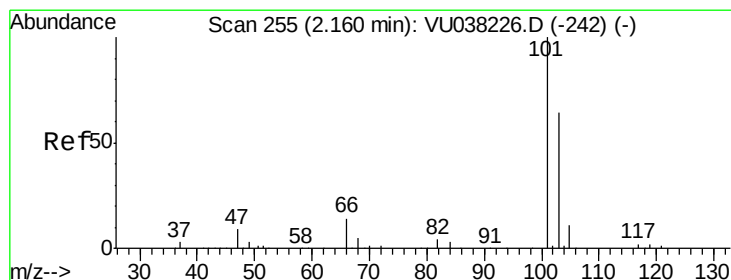
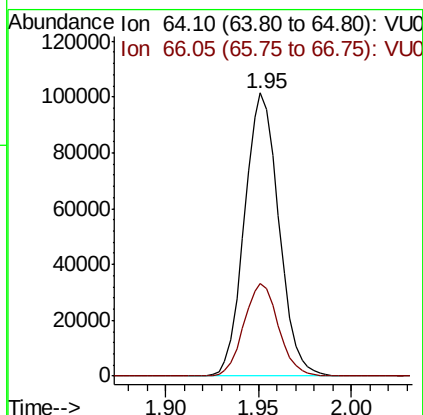
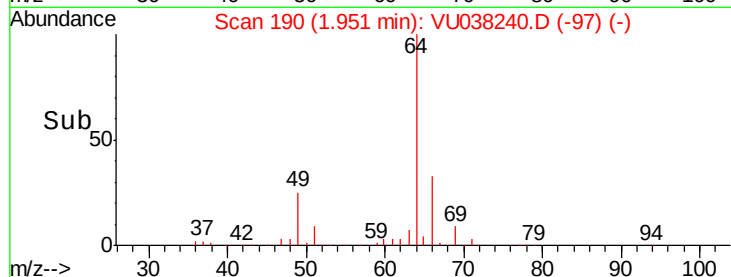
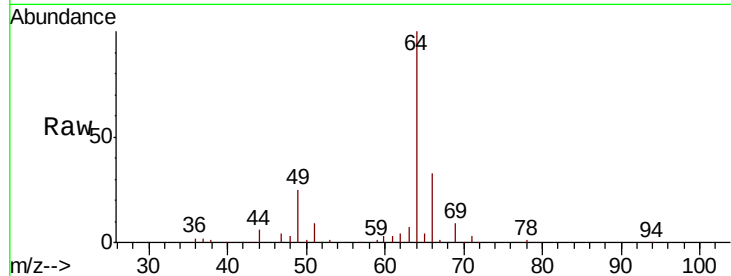




#8
Chloroethane
Concen: 5.331 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

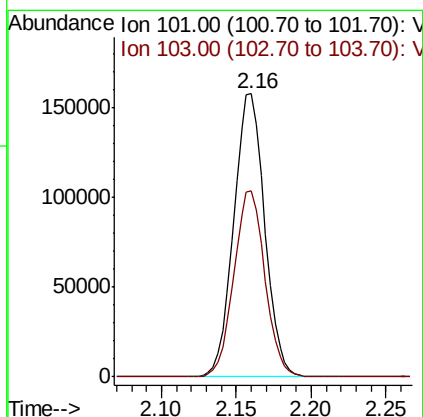
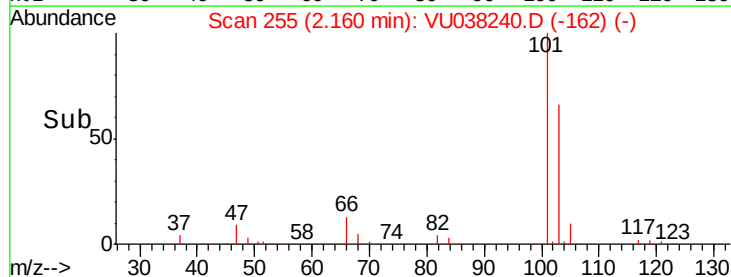
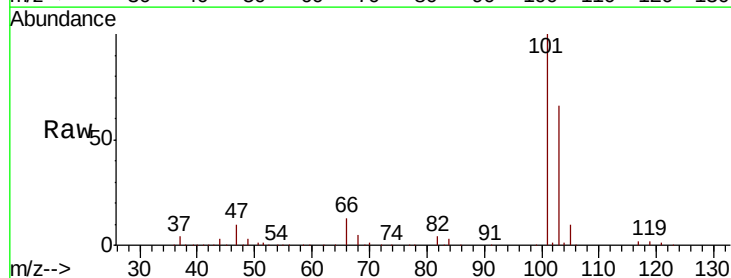
Instrument :
MSVOA_U
ClientSampleId :

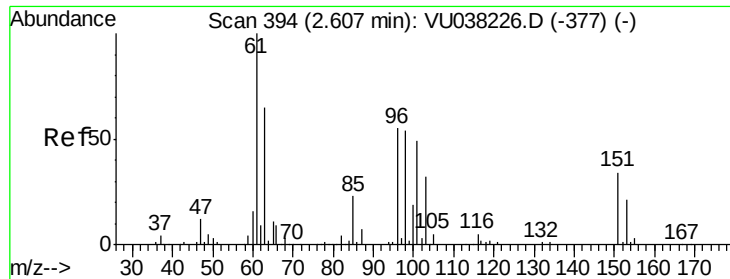
Tot Ion: 64 Resp: 131270
Ion Ratio Lower Upper
64 100
66 32.7 21.8 40.4



#9
Trichlorofluoromethane
Concen: 5.557 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion:101 Resp: 227460
Ion Ratio Lower Upper
101 100
103 65.8 51.0 76.4





#10

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

Concen: 5.806 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

ClientSampled :

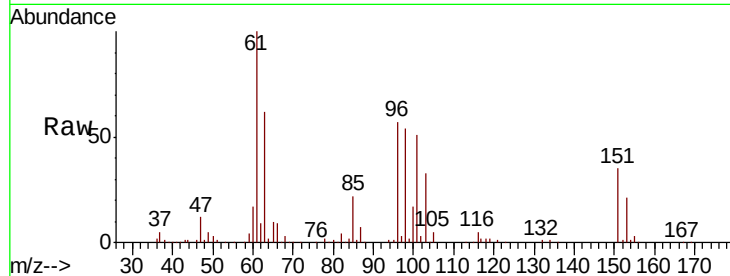
Tot Ion:101 Resp: 147339

Ion Ratio Lower Upper

101 100

85 42.0 35.3 52.9

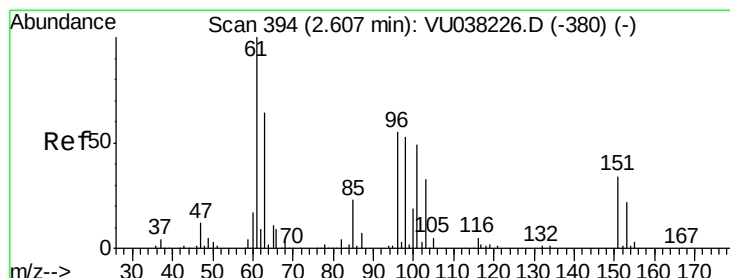
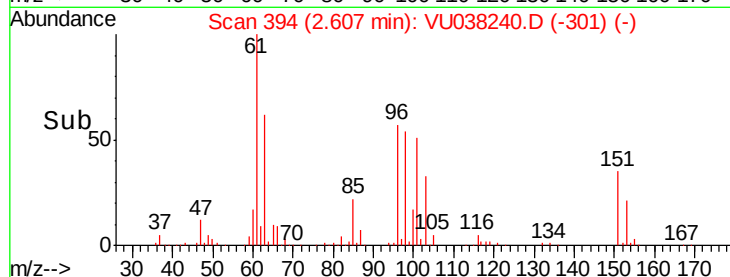
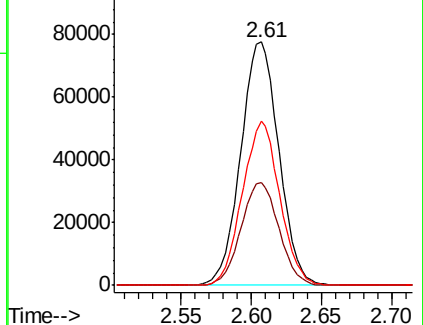
151 66.0 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.340 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

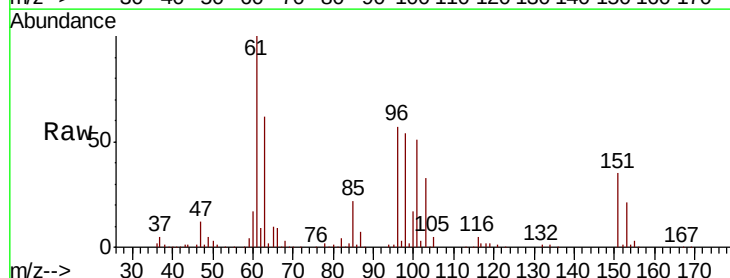
Tgt Ion: 96 Resp: 137370

Ion Ratio Lower Upper

96 100

61 176.9 126.2 234.4

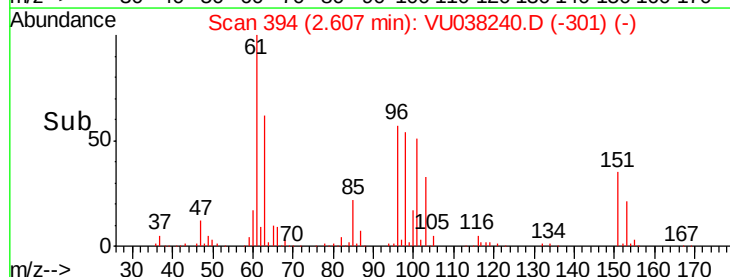
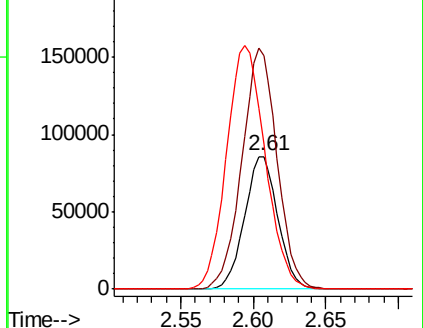
63 109.4 96.9 179.9

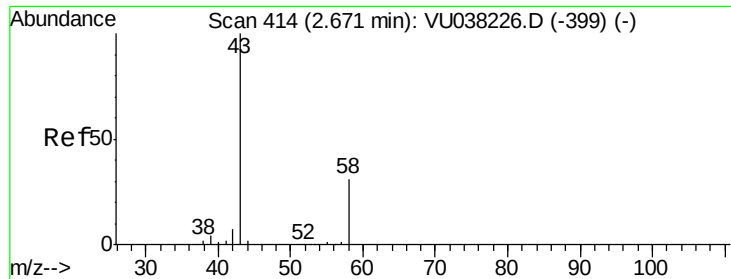


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.194 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

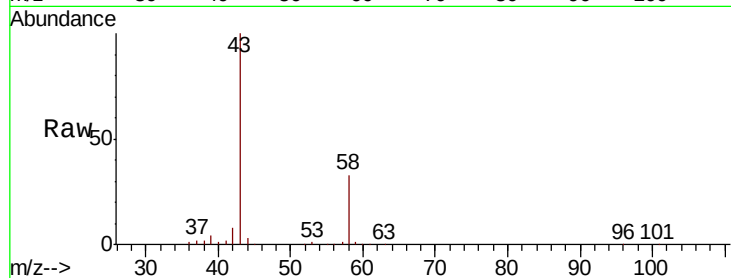
ClientSampleId :

Tot Ion: 43 Resp: 310676

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

150000

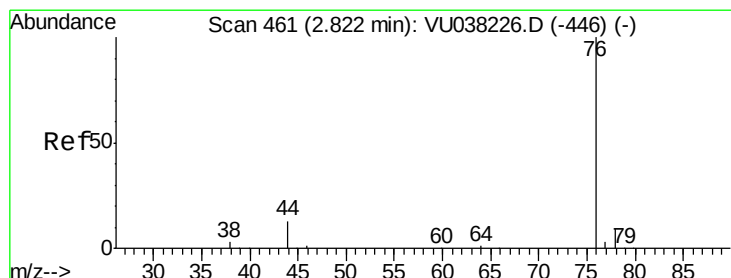
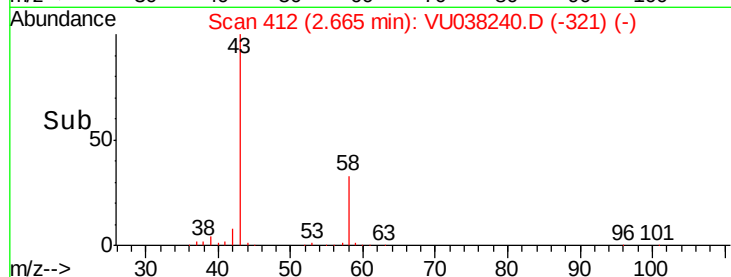
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.769 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038240.D

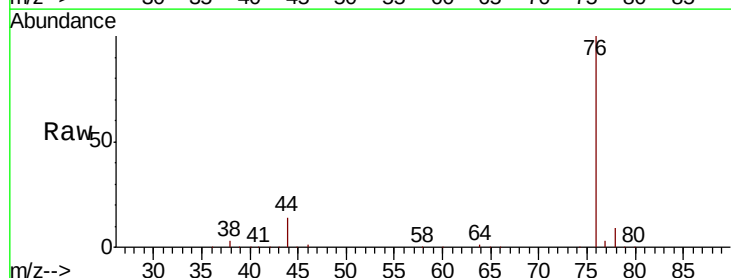
Acq: 20 May 2020 10:46

Tgt Ion: 76 Resp: 437648

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

300000

250000

200000

150000

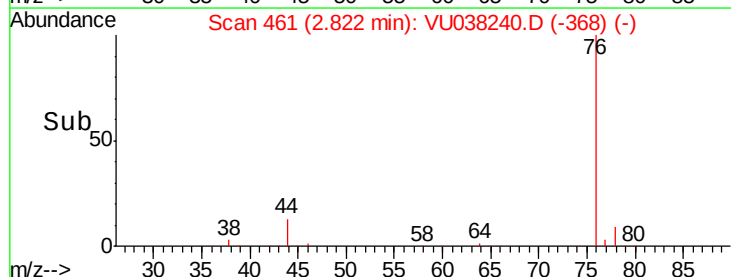
100000

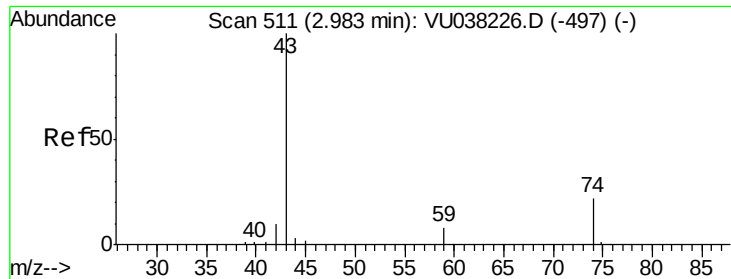
50000

0

2.80 2.90

Time-->

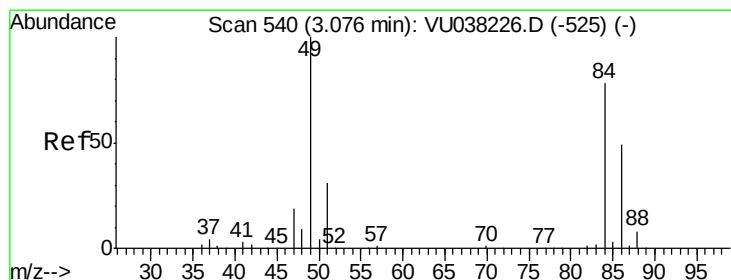
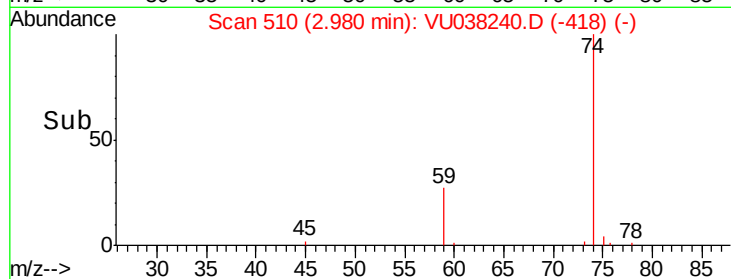
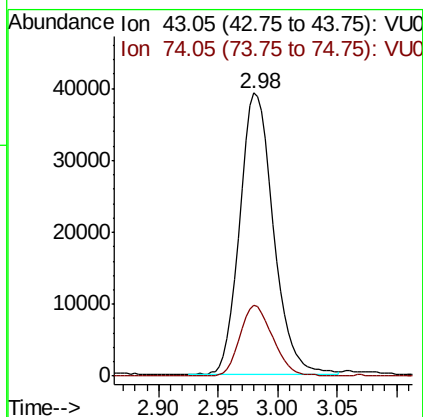
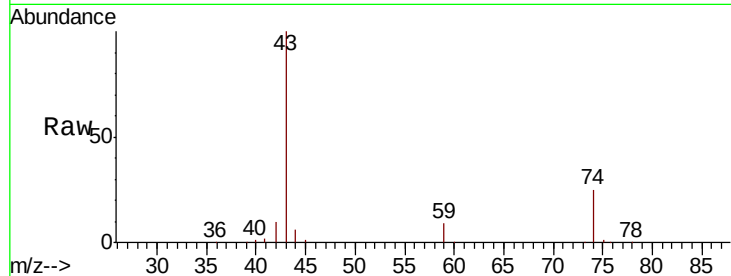




#15
Methvl Acetate
Concen: 5.254 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

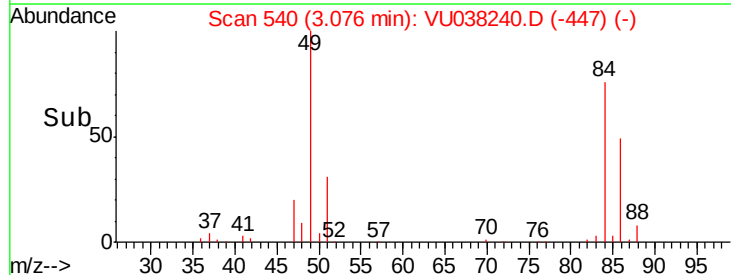
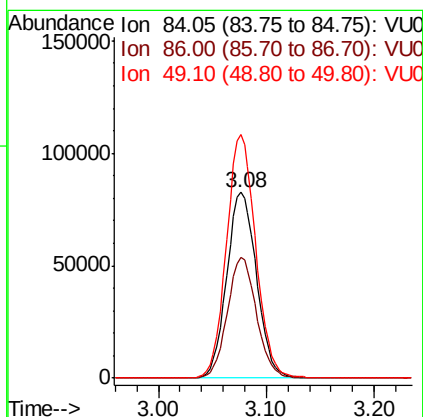
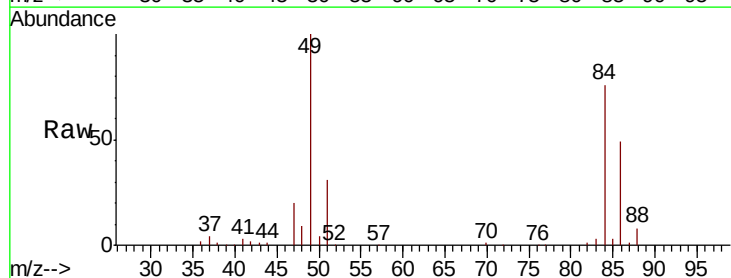
Instrument :
MSVOA_U
ClientSampleId :

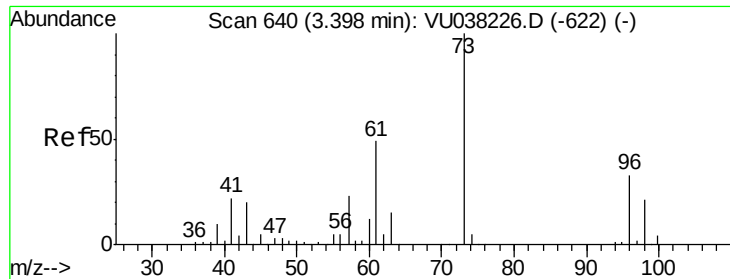
Tot Ion: 43 Resp: 77137
Ion Ratio Lower Upper
43 100
74 24.7 18.0 27.0



#16
Methylene chloride
Concen: 5.292 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion: 84 Resp: 158667
Ion Ratio Lower Upper
84 100
86 64.9 44.9 83.3
49 131.1 92.0 170.9

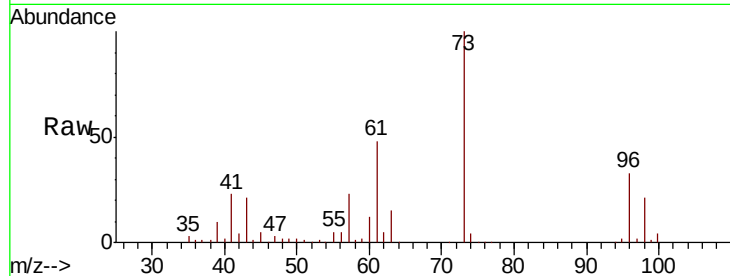




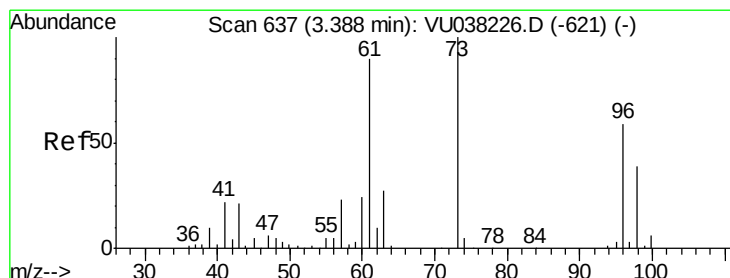
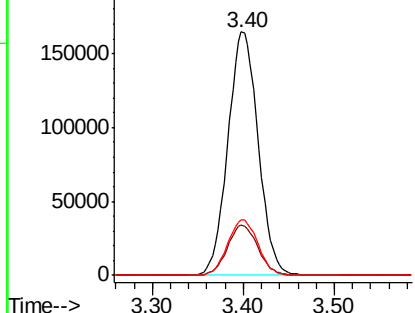
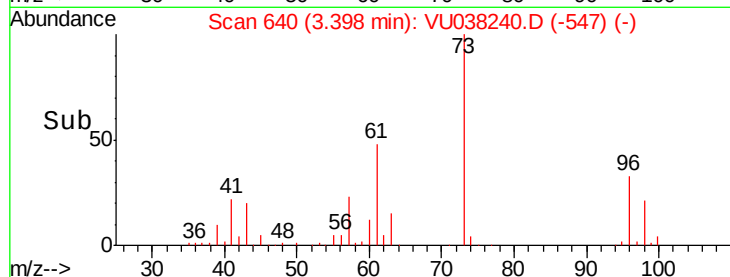
#17
Methyl tert-butyl Ether
Concen: 5.324 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 380564
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 23.0 18.2 27.2

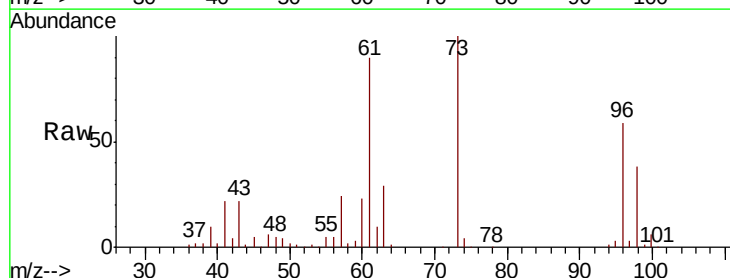


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

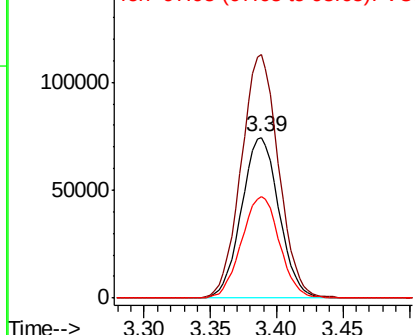
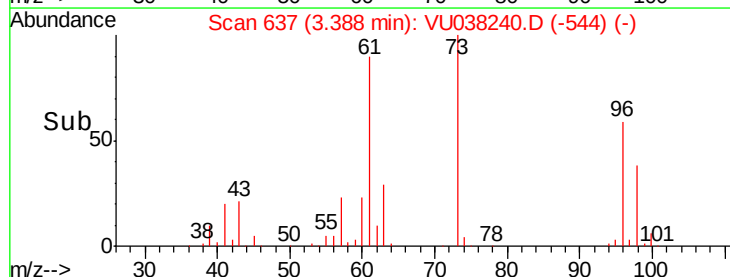


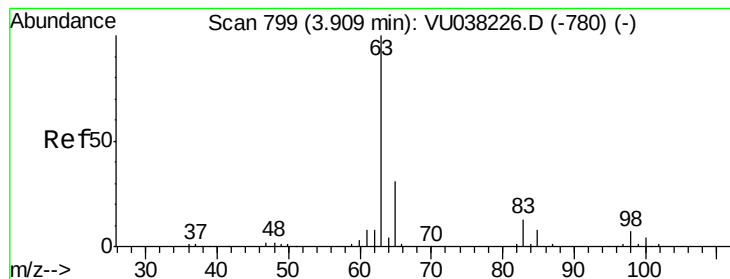
#18
trans-1,2-Dichloroethene
Concen: 5.224 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion: 96 Resp: 146728
Ion Ratio Lower Upper
96 100
61 151.2 102.1 189.5
98 63.4 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: 5.423 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

ClientSampleId :

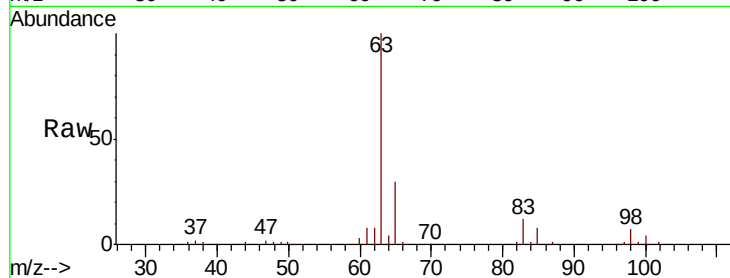
Tot Ion: 63 Resp: 297484

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

83 12.1 8.9 16.5

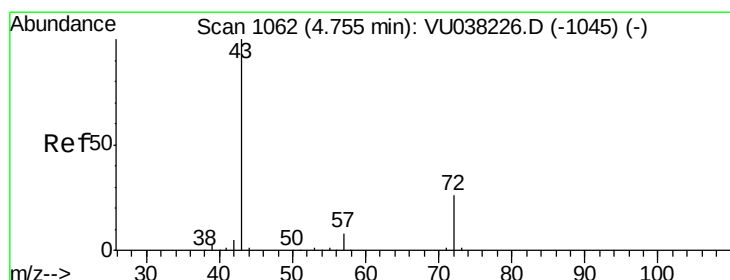
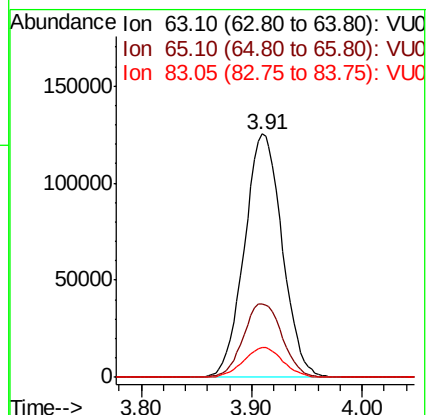
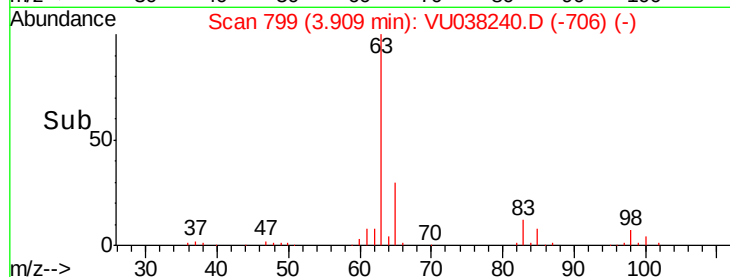


Abundance Ion 63.10 (62.80 to 63.80): VU038240.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038240.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038240.D (-706) (-)

3.91



#21

2-Butanone

Concen: 56.972 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.01 min

Lab File: VU038240.D

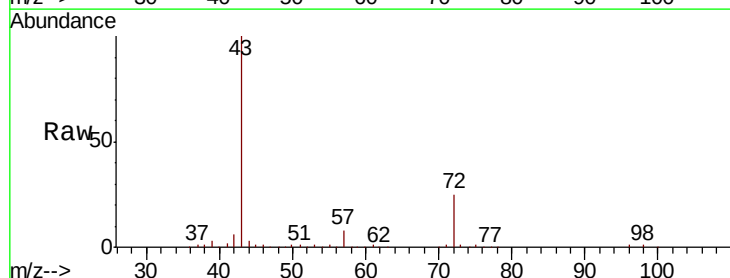
Acq: 20 May 2020 10:46

Tgt Ion: 43 Resp: 527780

Ion Ratio Lower Upper

43 100

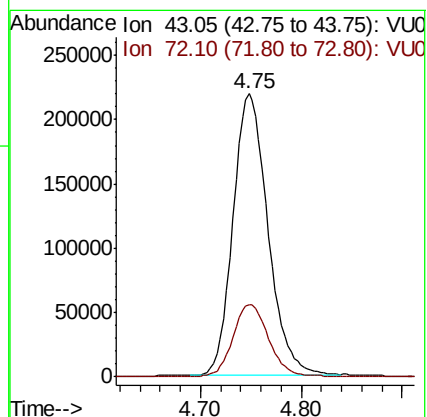
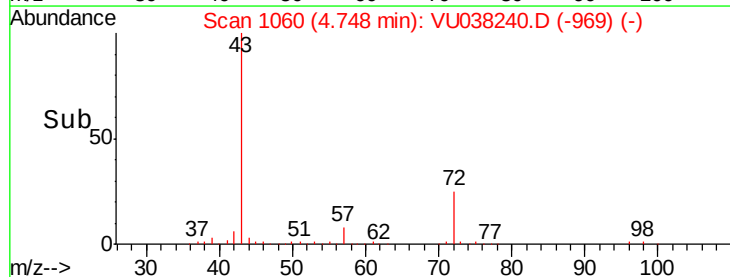
72 26.5 13.5 40.4

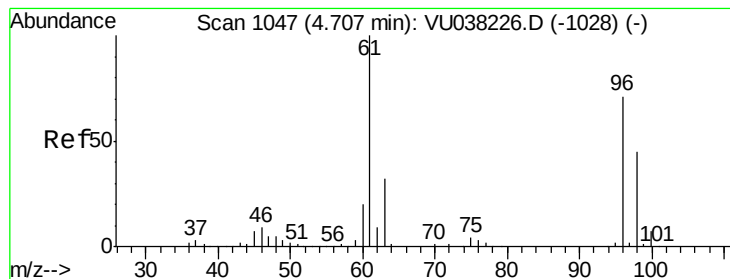


Abundance Ion 43.05 (42.75 to 43.75): VU038240.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038240.D (-969) (-)

4.75





#22

cis-1,2-Dichloroethene

Concen: 5.437 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :
MSVOA_U
ClientSampled :

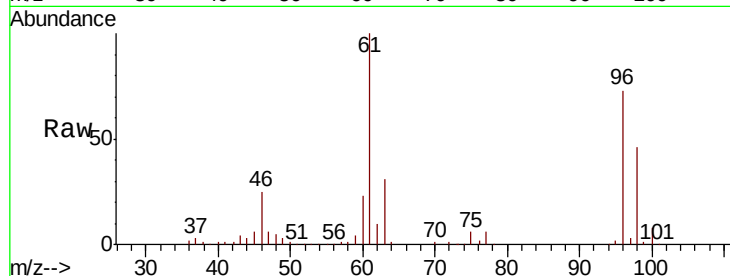
Tot Ion: 96 Resp: 164549

Ion Ratio Lower Upper

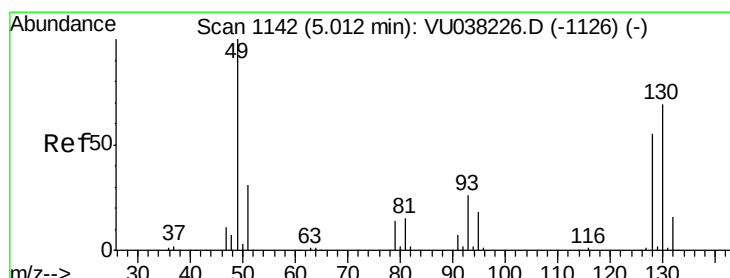
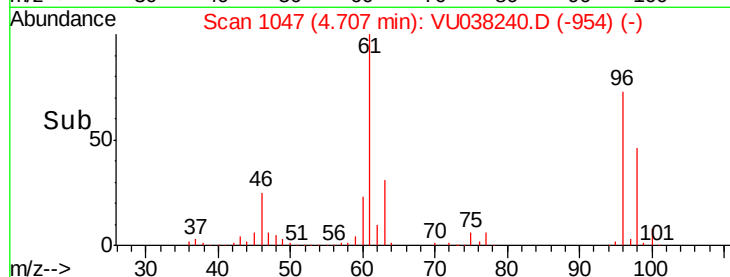
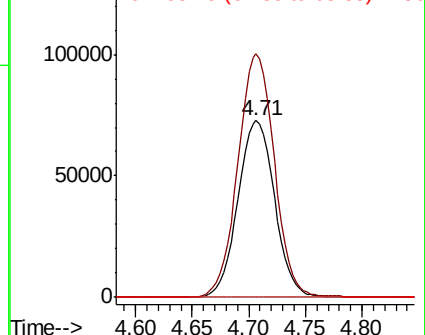
96 100

61 137.9 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: 5.519 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Tgt Ion: 128 Resp: 71881

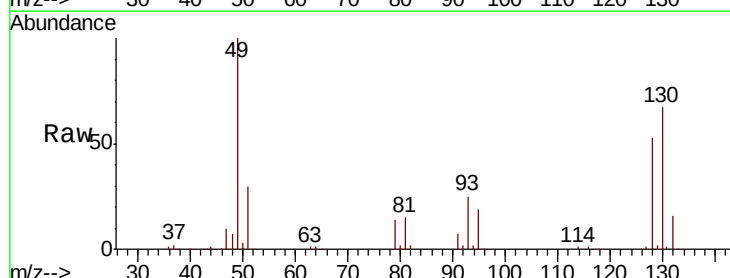
Ion Ratio Lower Upper

128 100

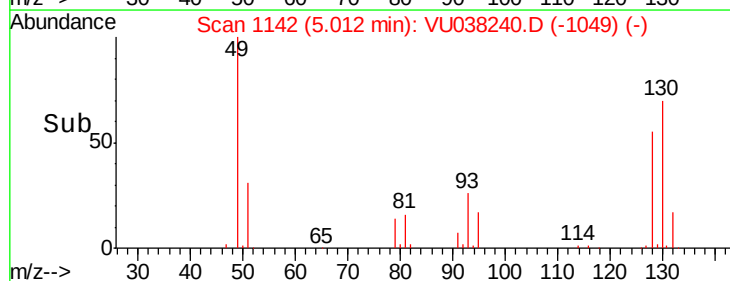
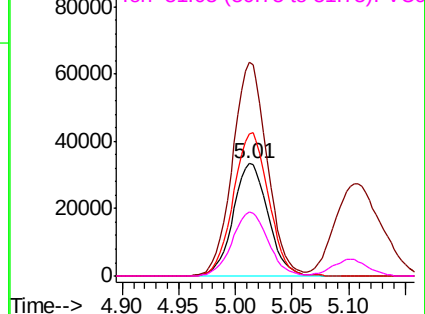
49 190.2 135.6 251.8

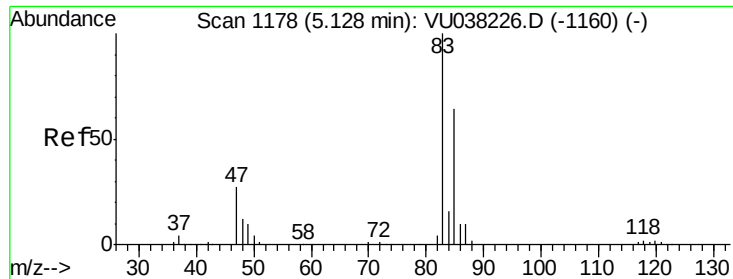
130 126.7 91.4 169.8

51 57.2 49.6 74.4



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

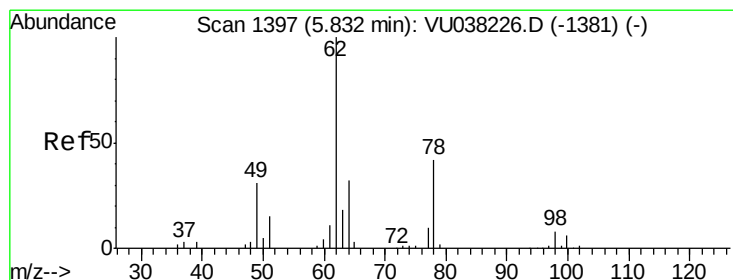
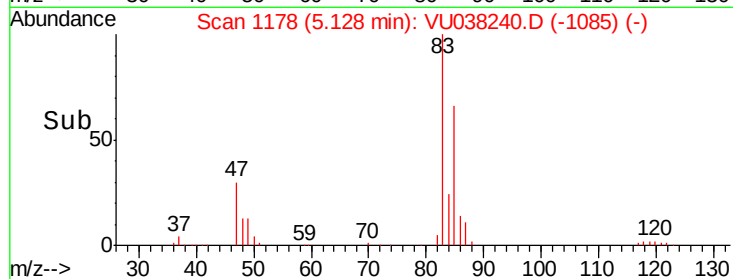
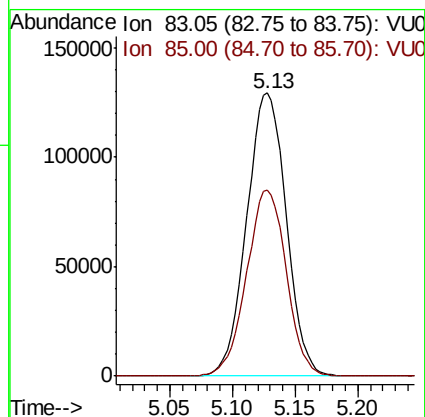
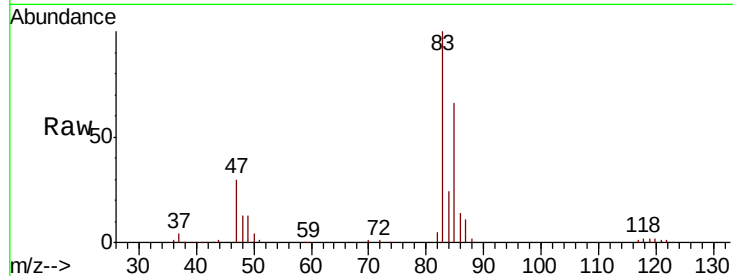




#25
Chloroform
Concen: 5.551 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

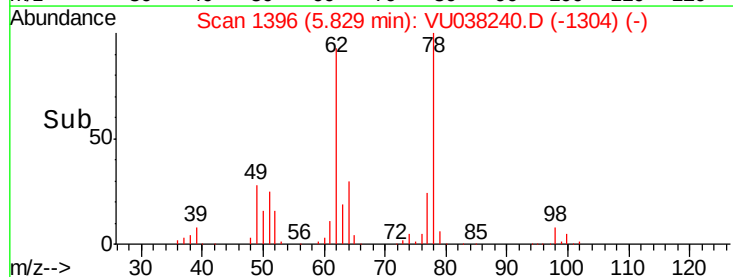
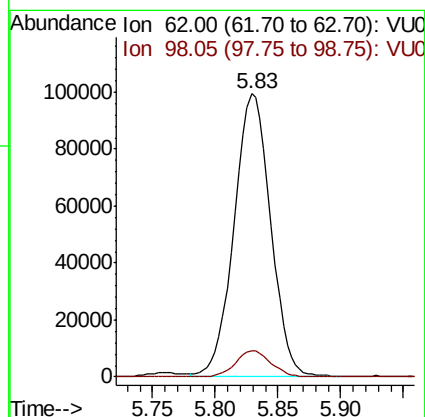
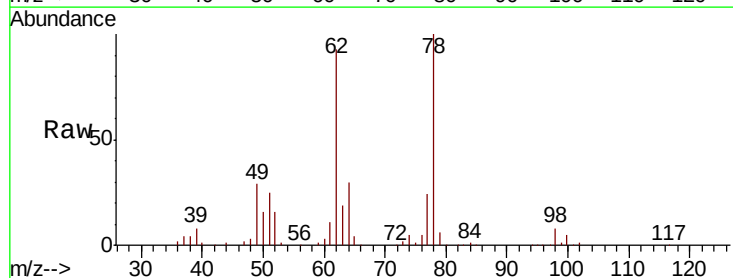
Instrument :
MSVOA_U
ClientSampled :

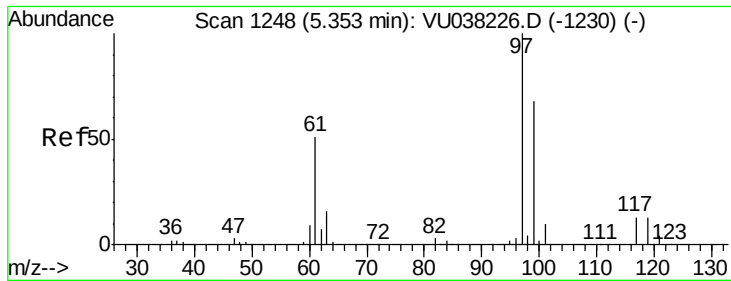
Tot Ion: 83 Resp: 283982
Ion Ratio Lower Upper
83 100
85 65.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.572 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion: 62 Resp: 201238
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.8

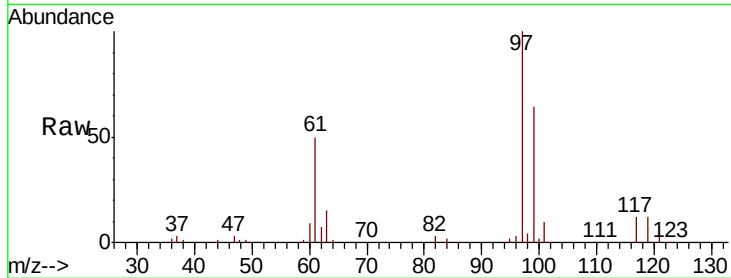




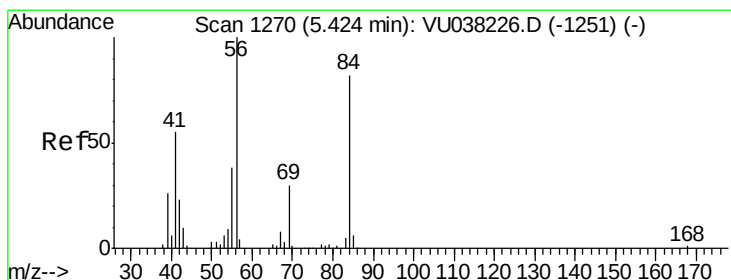
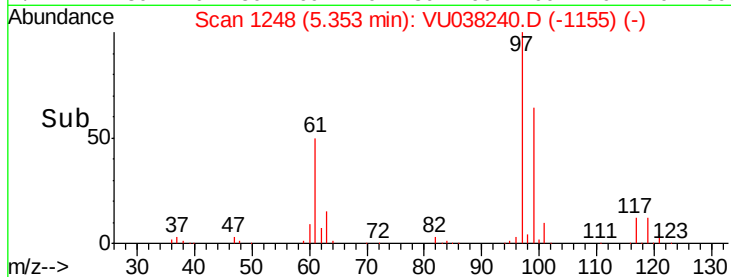
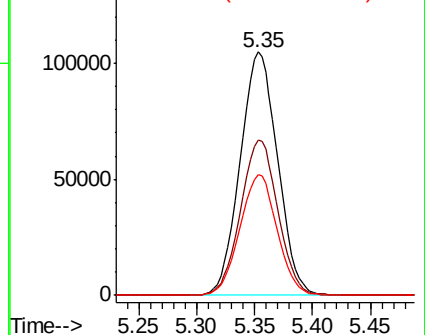
#29
 1,1,1-Trichloroethane
 Concen: 5.628 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 234691
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 49.5 38.2 57.4

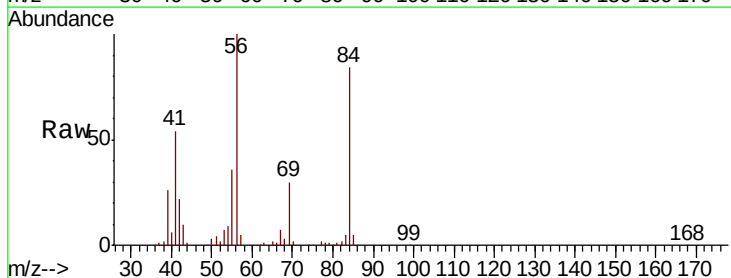


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

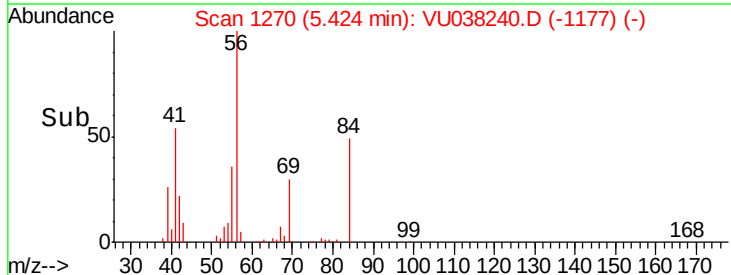
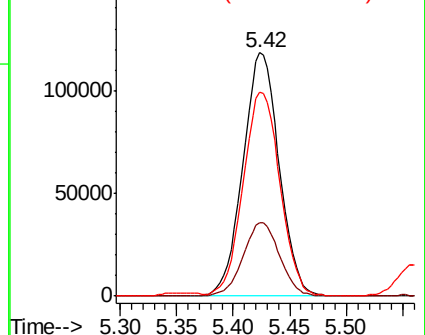


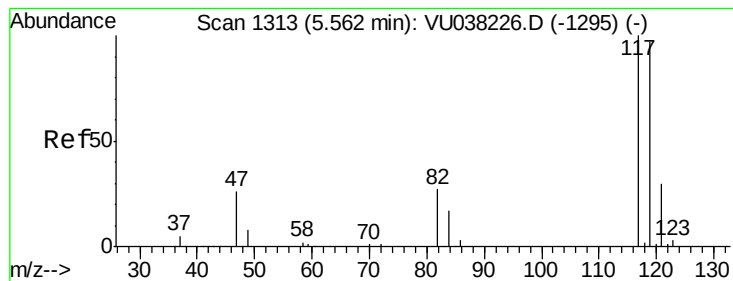
#30
 Cyclohexane
 Concen: 5.352 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion: 56 Resp: 263487
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.2 36.4
 84 85.2 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: 5.674 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

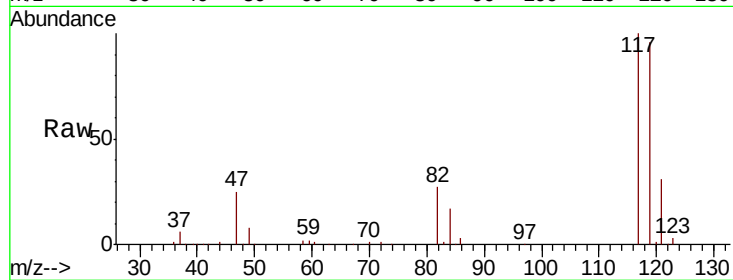
ClientSampleId :

Tot Ion:117 Resp: 190154

Ion Ratio Lower Upper

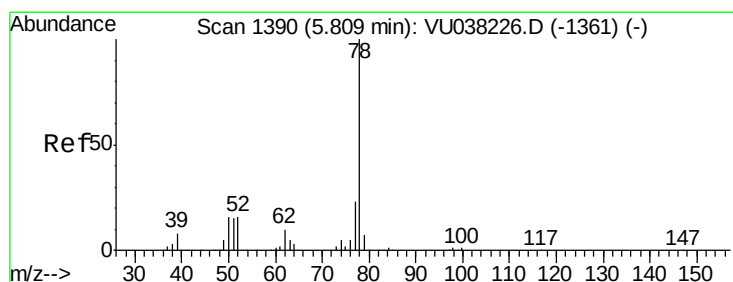
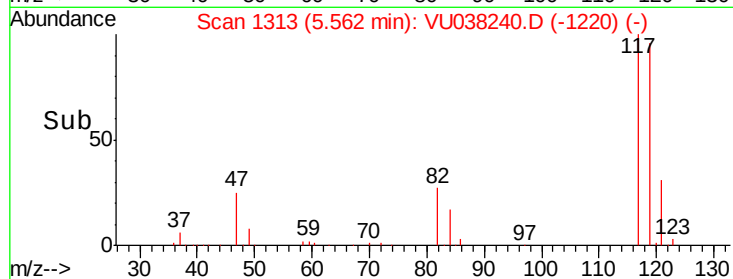
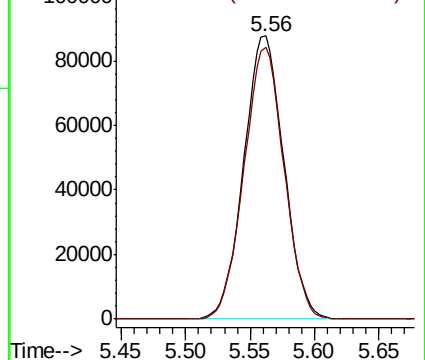
117 100

119 95.8 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: 5.535 ug/L

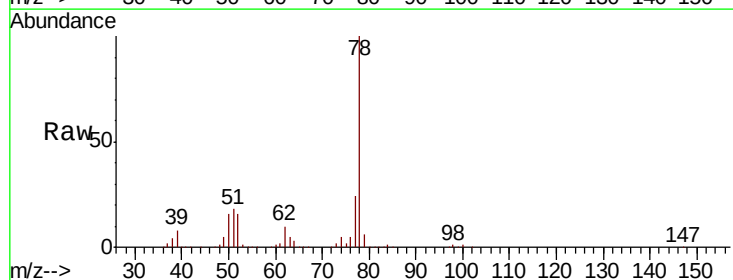
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

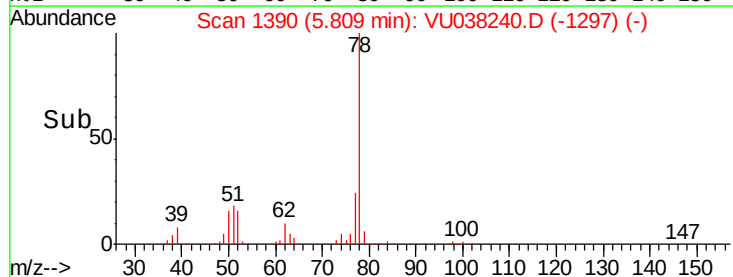
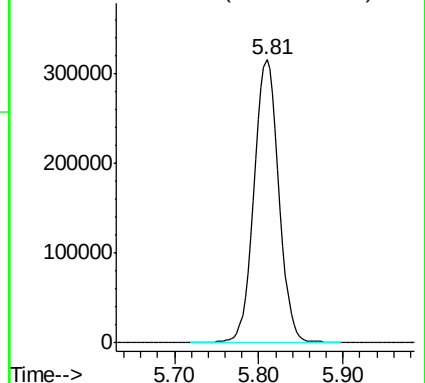
Lab File: VU038240.D

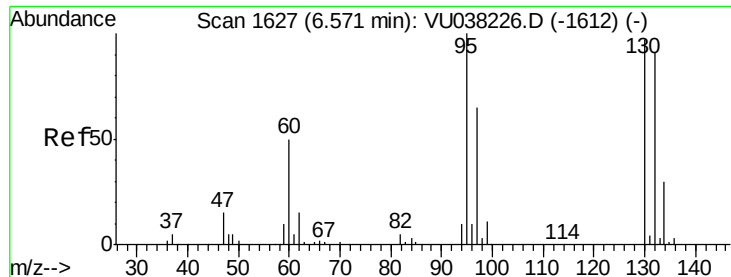
Acq: 20 May 2020 10:46

Tgt Ion: 78 Resp: 645063



Abundance Ion 78.10 (77.80 to 78.80): VU0

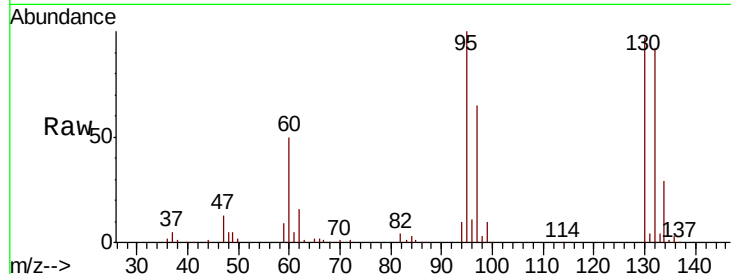




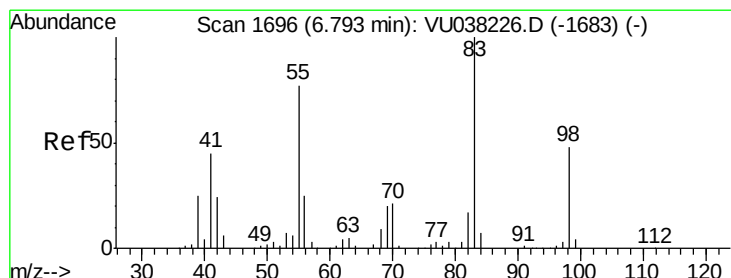
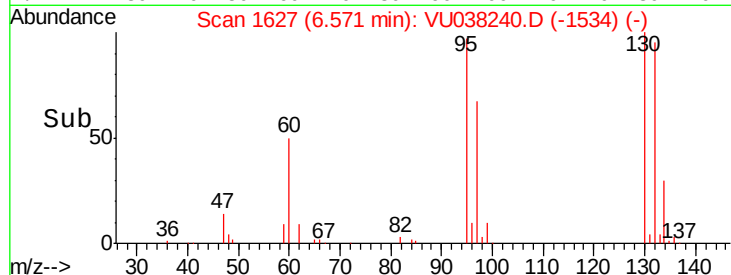
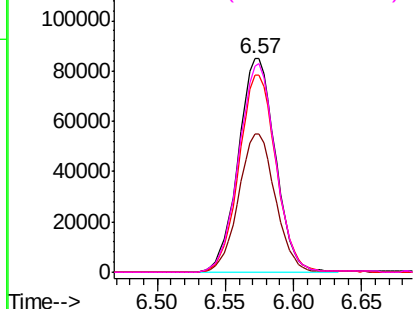
#34
 Trichloroethene
 Concen: 5.498 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 160273
 Ion Ratio Lower Upper
 95 100
 97 64.8 44.9 83.3
 132 92.0 63.3 117.5
 130 96.8 65.7 122.1

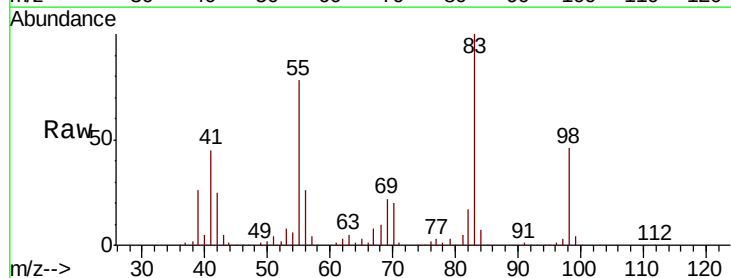


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

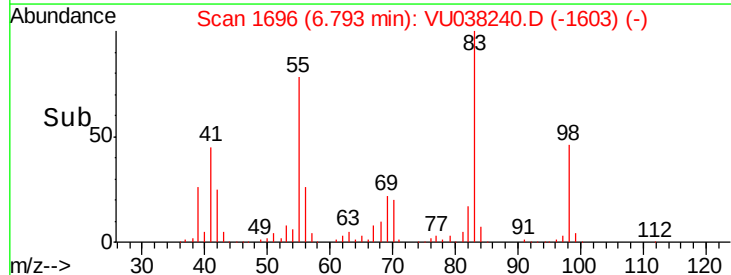
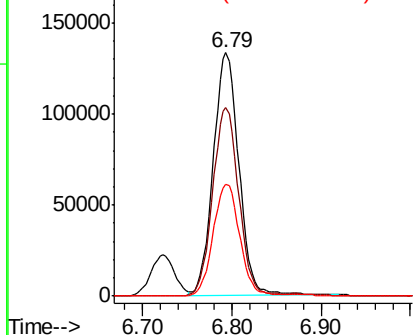


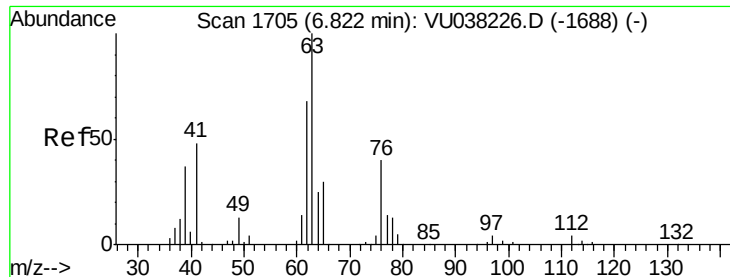
#35
 Methylcyclohexane
 Concen: 5.615 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion: 83 Resp: 265148
 Ion Ratio Lower Upper
 83 100
 55 79.0 66.7 100.1
 98 47.4 39.4 59.2



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

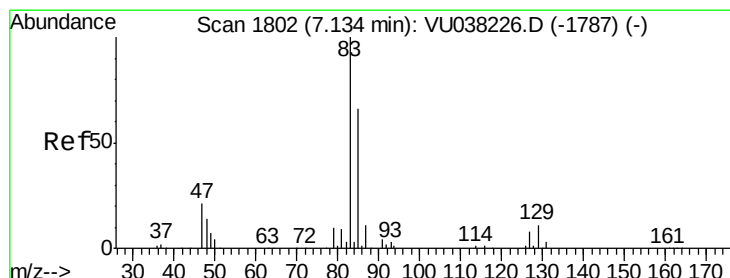
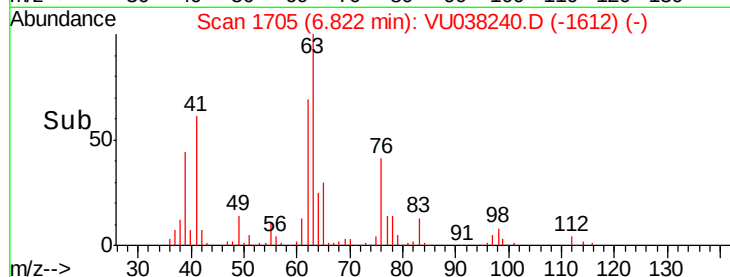
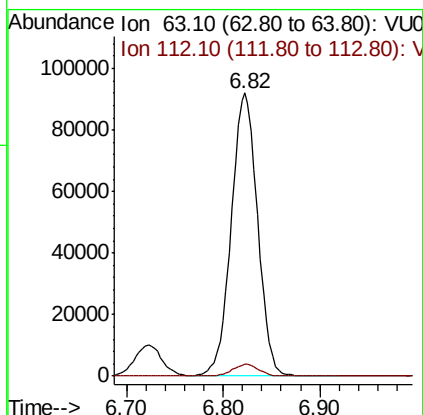
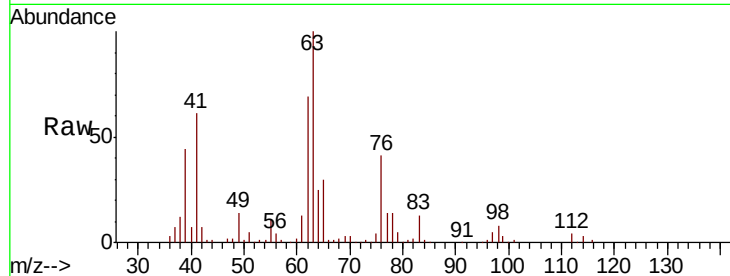




#37
 1,2-Dichloropropane
 Concen: 5.502 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

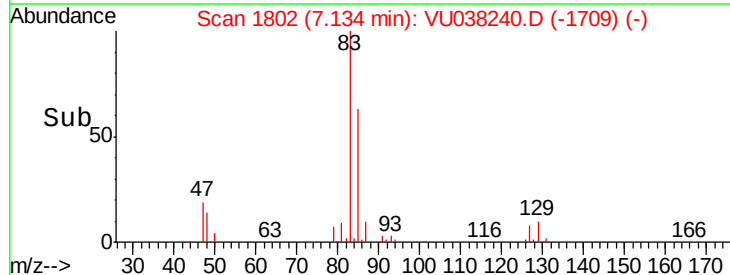
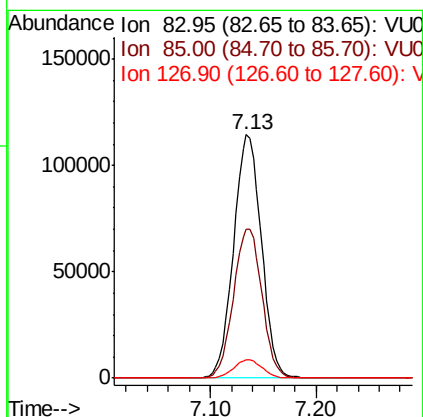
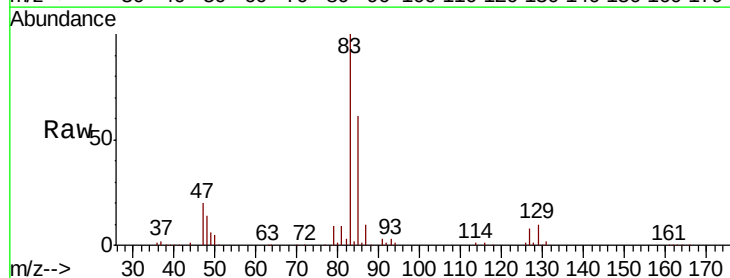
Instrument :
 MSVOA_U
 ClientSampled :

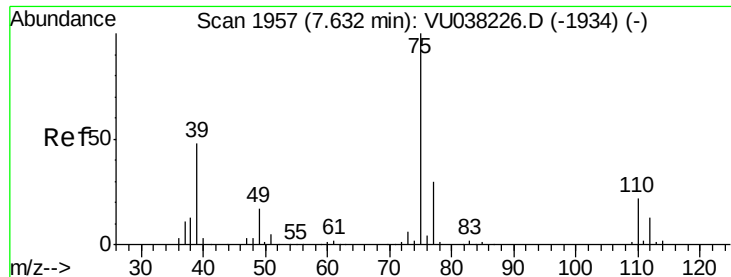
Tot Ion: 63 Resp: 174196
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.715 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion: 83 Resp: 209154
 Ion Ratio Lower Upper
 83 100
 85 61.3 44.6 82.8
 127 7.6 6.4 9.6

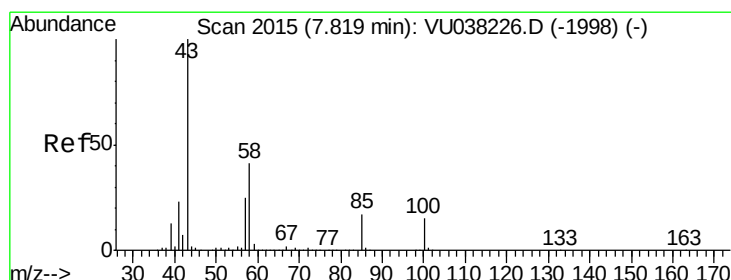
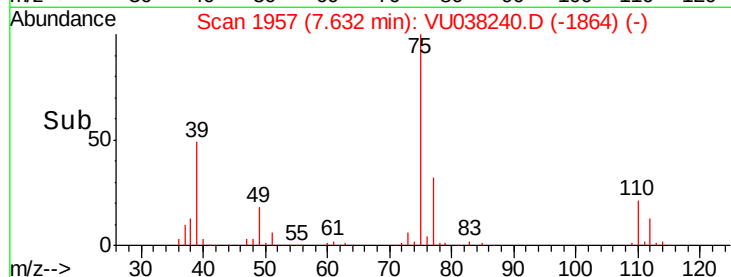
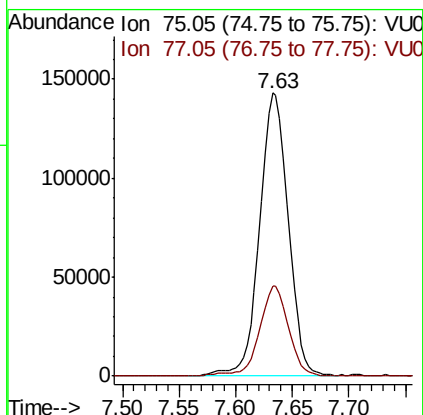
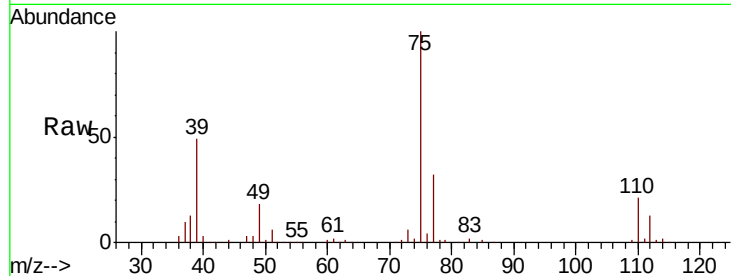




#39
 cis-1,3-Dichloropropene
 Concen: 5.578 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

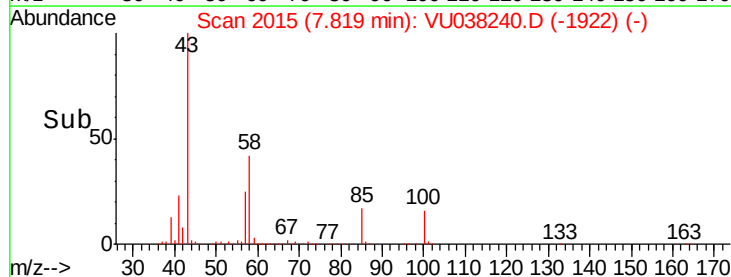
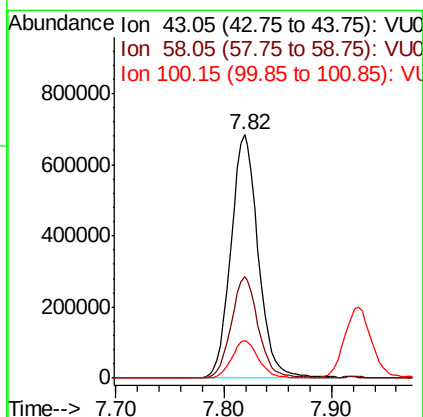
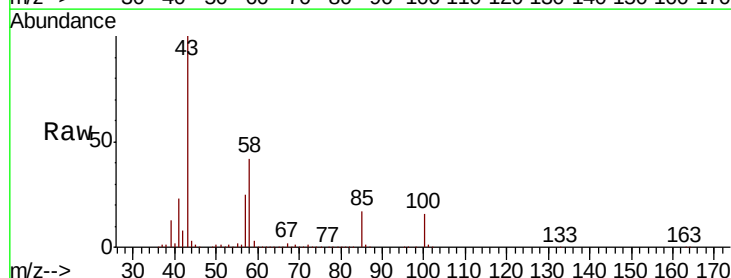
Instrument :
 MSVOA_U
 ClientSampleId :

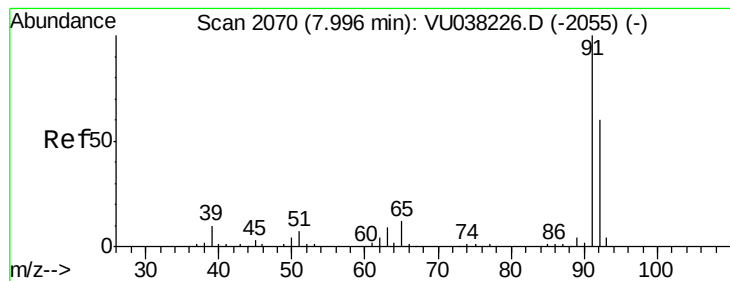
Tot Ion: 75 Resp: 252716
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 55.214 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion: 43 Resp: 1211447
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4
 100 15.2 12.1 18.1





#42

Toluene

Concen: 5.481 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

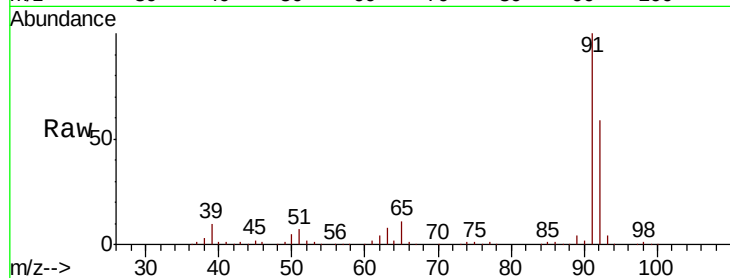
ClientSampled :

Tot Ion: 91 Resp: 674344

Ion Ratio Lower Upper

91 100

92 58.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038226.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038226.D (-2055) (-)

8.00

400000

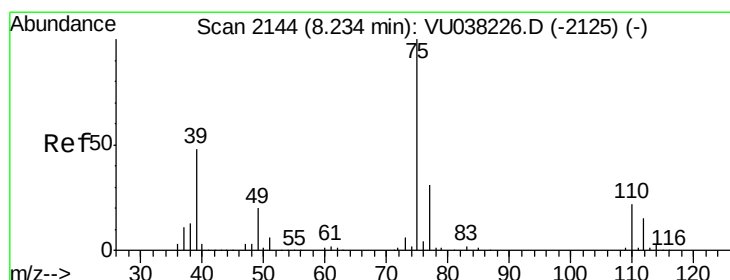
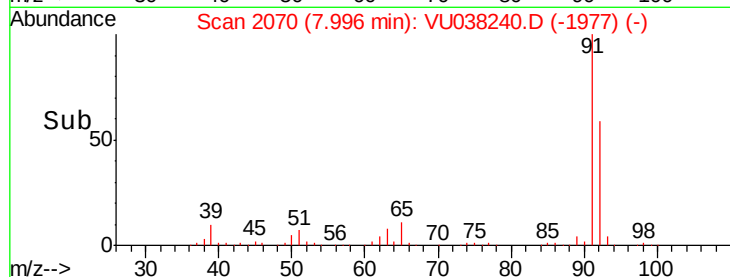
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.595 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038240.D

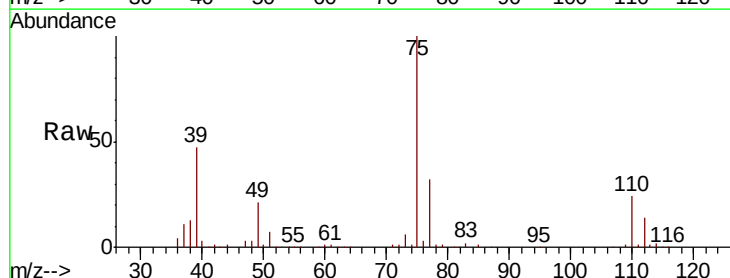
Acq: 20 May 2020 10:46

Tgt Ion: 75 Resp: 215575

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038226.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038226.D (-2125) (-)

8.23

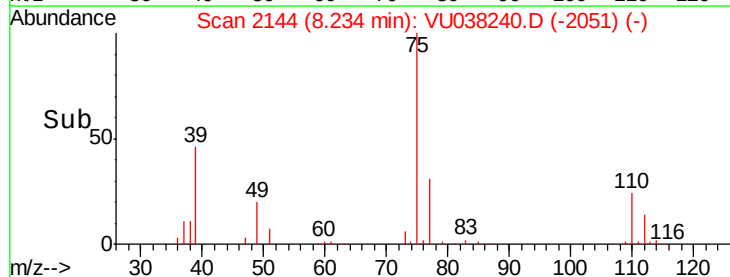
150000

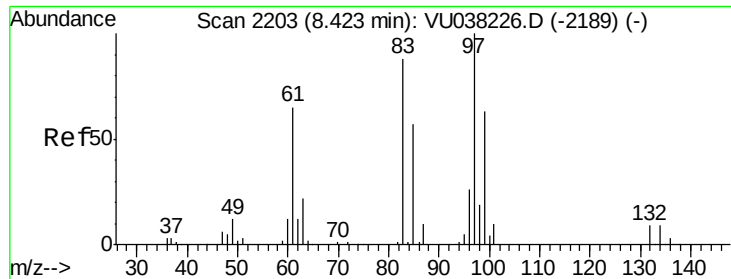
100000

50000

0

Time-->

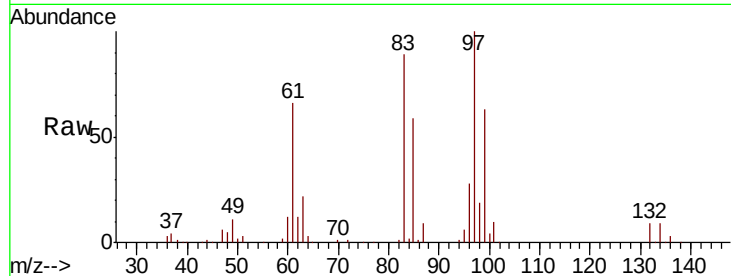




#45
1,1,2-Trichloroethane
Concen: 5.517 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	97	Resp:	121283
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.0	81.6
83	89.4	59.6	110.8
85	59.3	41.3	76.7



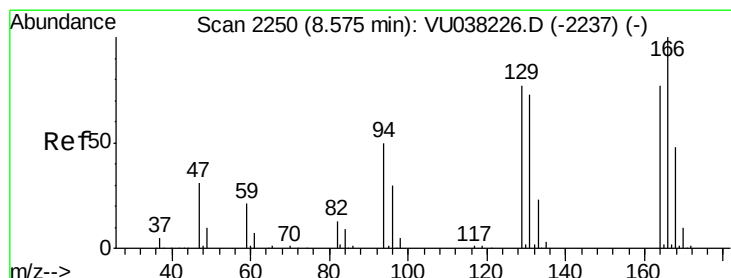
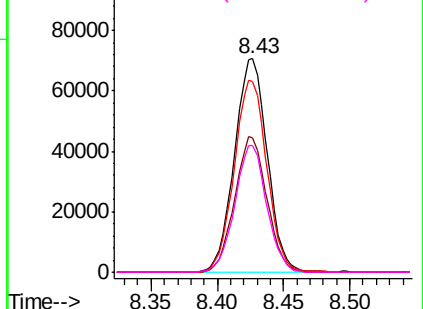
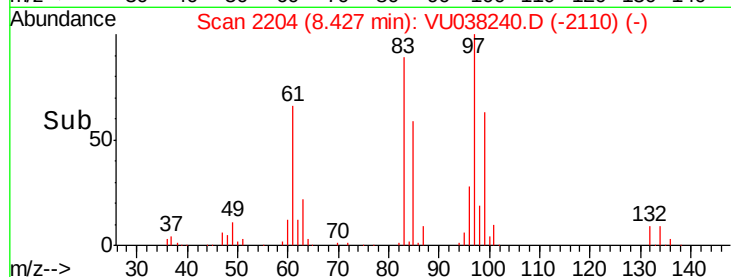
Abundance

Ion 96.95 (96.65 to 97.65): VU038240.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU038240.D (-2110) (-)

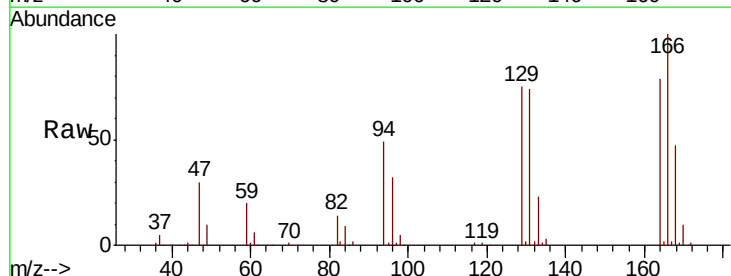
Ion 82.95 (82.65 to 83.65): VU038240.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU038240.D (-2110) (-)



#47
Tetrachloroethene
Concen: 5.630 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion:	164	Resp:	114786
Ion	Ratio	Lower	Upper
164	100		
129	95.9	68.8	127.8
131	93.8	66.8	124.2
166	127.2	88.9	165.1



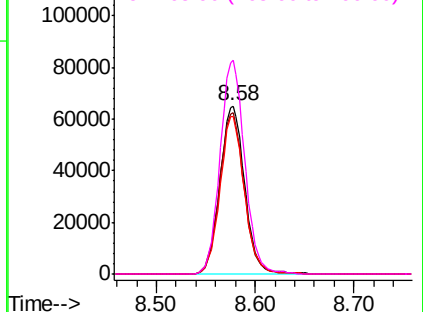
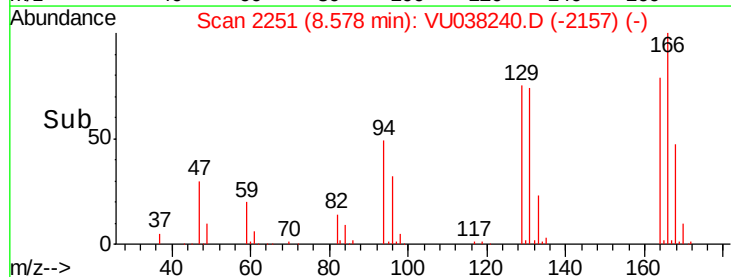
Abundance

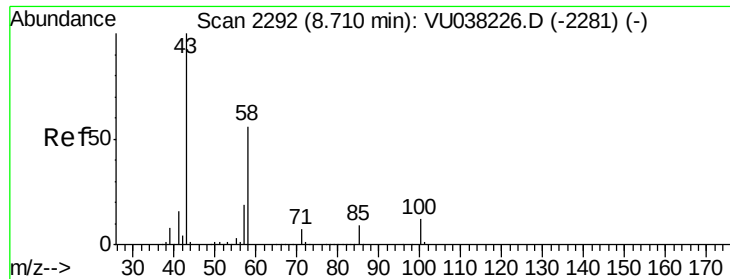
Ion 163.90 (163.60 to 164.60): VU038240.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU038240.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU038240.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU038240.D (-2157) (-)

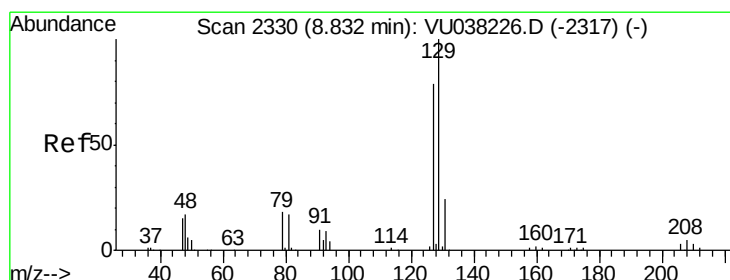
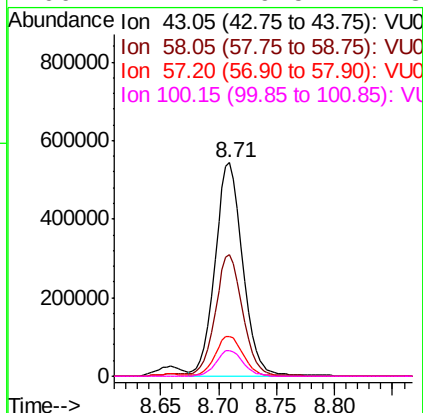
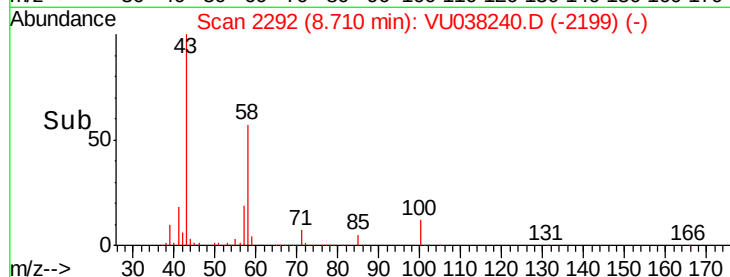
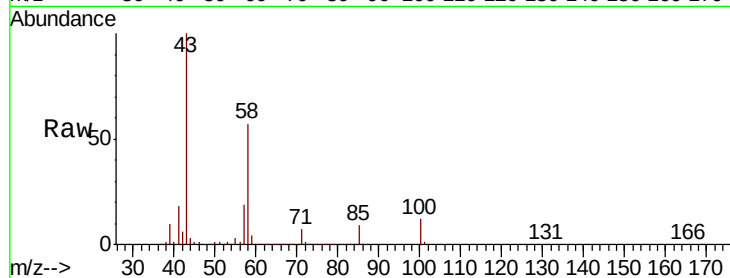




#48
2-Hexanone
Concen: 56.089 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

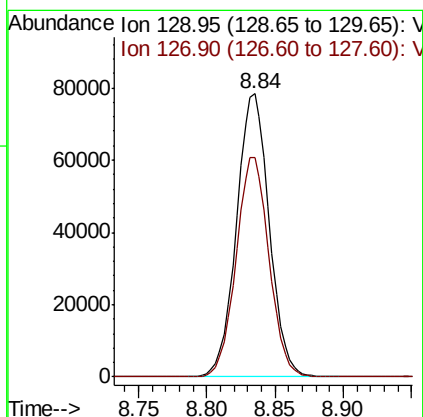
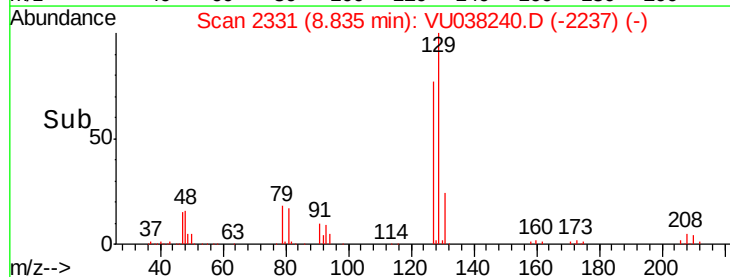
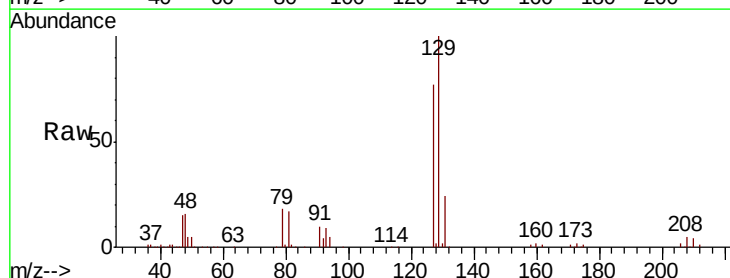
Instrument :
MSVOA_U
ClientSampleId :

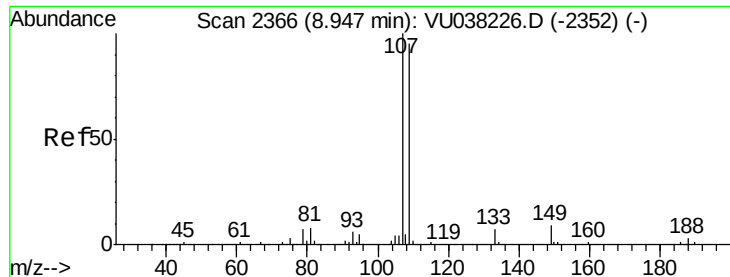
Tot Ion: 43 Resp: 901265
Ion Ratio Lower Upper
43 100
58 57.0 45.2 67.8
57 19.2 15.5 23.3
100 12.1 9.5 14.3



#49
Dibromochloromethane
Concen: 5.730 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion: 129 Resp: 130738
Ion Ratio Lower Upper
129 100
127 77.4 55.6 103.4

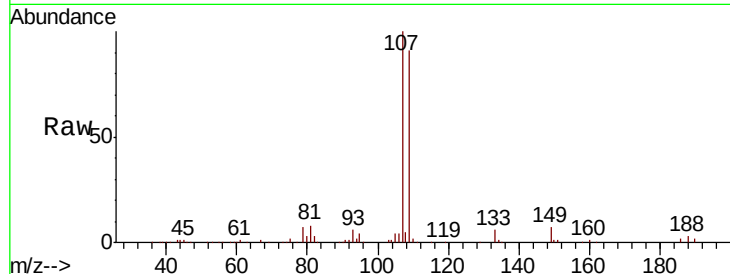




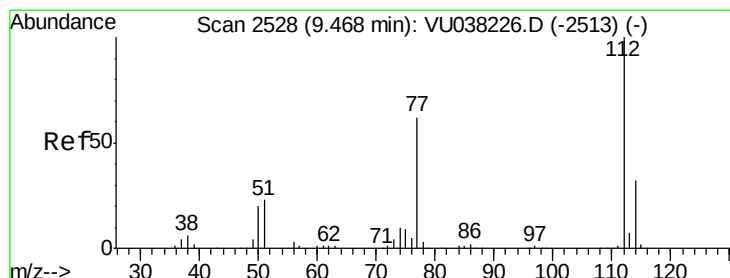
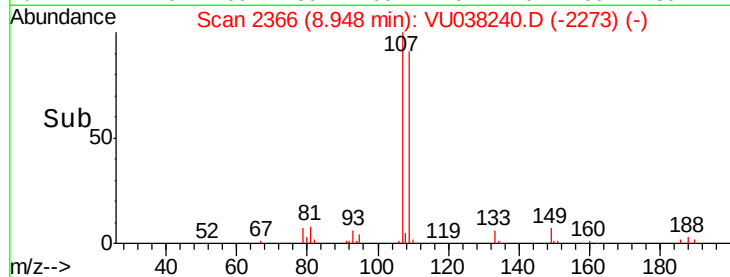
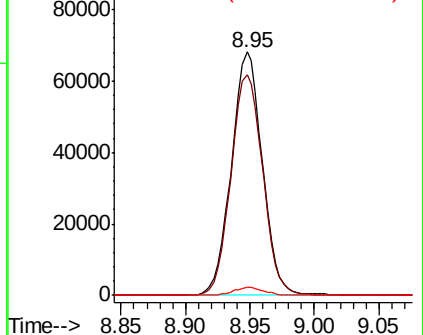
#50
 1,2-Dibromoethane
 Concen: 5.558 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	65.1	120.9
188	3.3	2.6	4.0

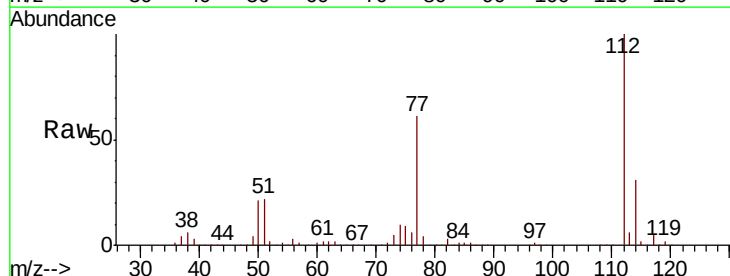


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

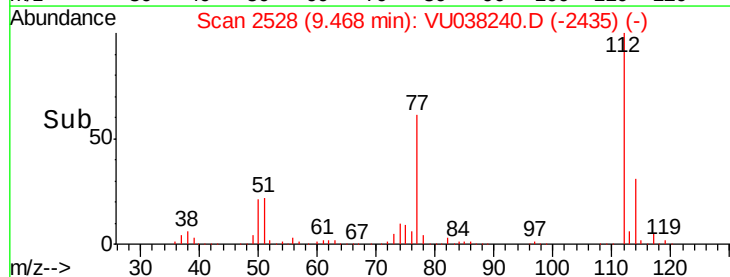
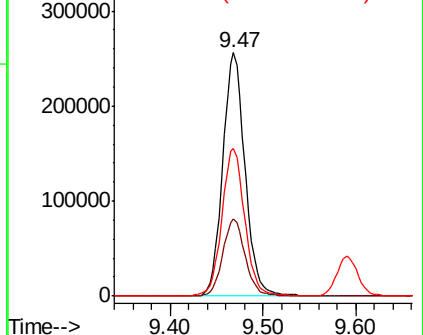


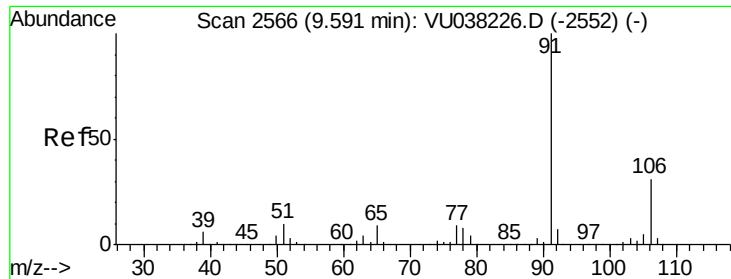
#51
 Chlorobenzene
 Concen: 5.596 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.7
77	60.8	49.9	74.9



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





#52

Ethylbenzene

Concen: 5.509 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

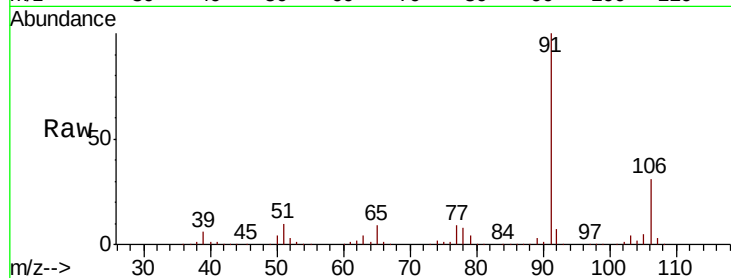
ClientSampleId :

Tot Ion: 91 Resp: 734169

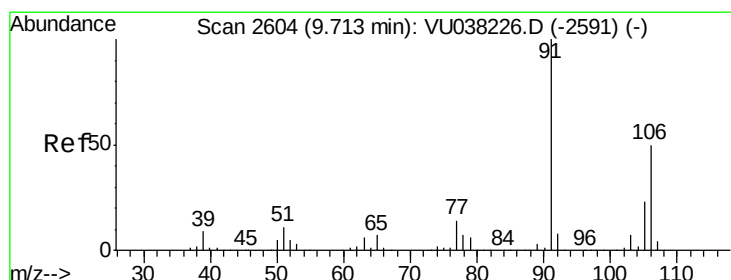
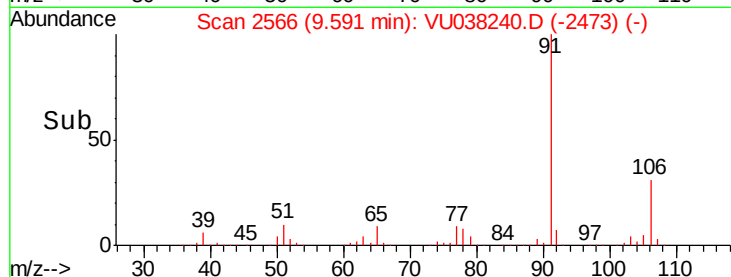
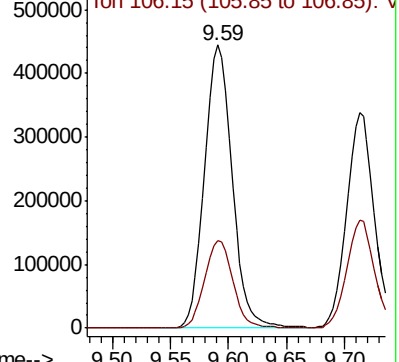
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038240.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.653 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038240.D

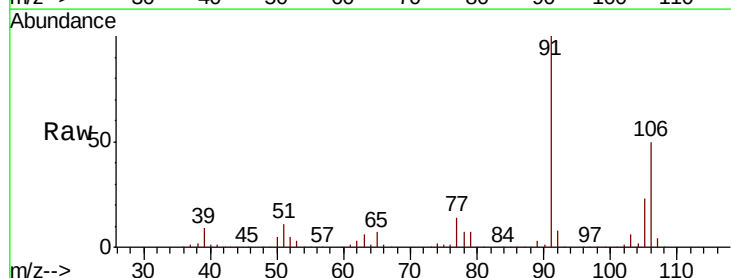
Acq: 20 May 2020 10:46

Tgt Ion: 106 Resp: 288913

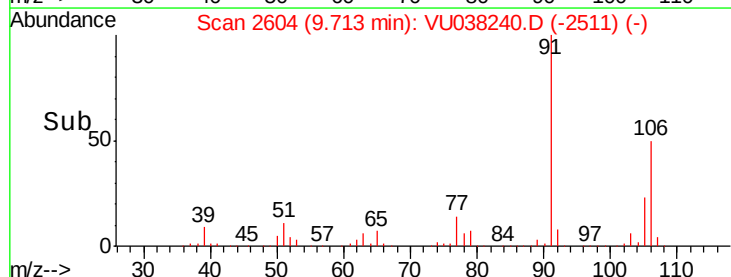
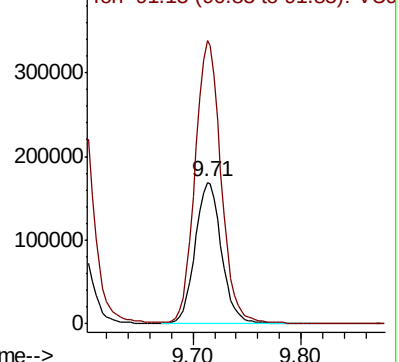
Ion Ratio Lower Upper

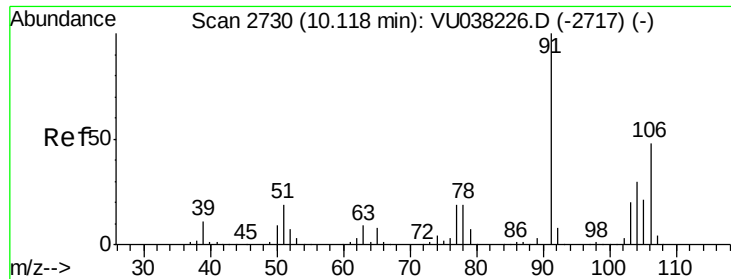
106 100

91 199.8 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038240.D (-2591) (-)

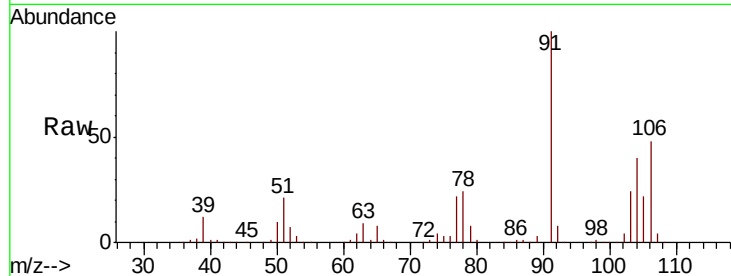




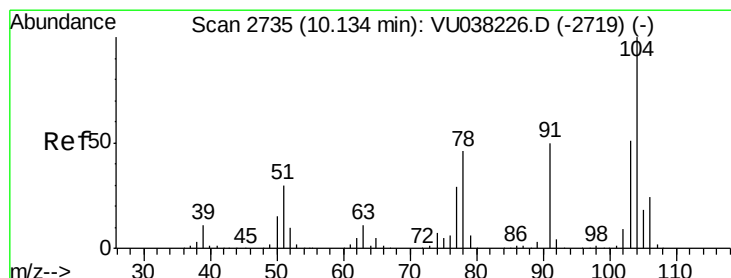
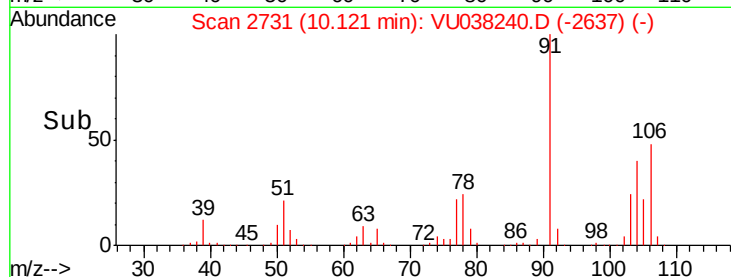
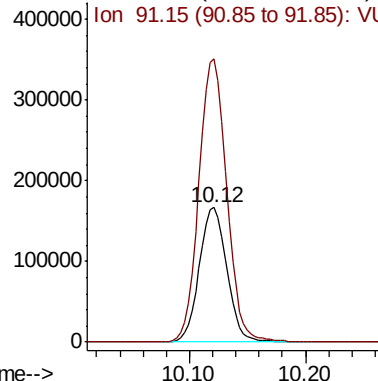
#54
o-Xylene
Concen: 5.573 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 275363
Ion Ratio Lower Upper
106 100
91 210.3 148.5 275.9

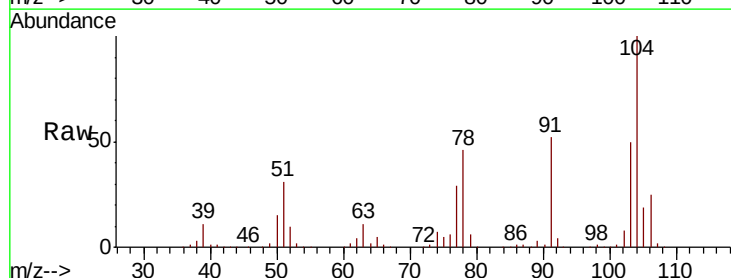


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

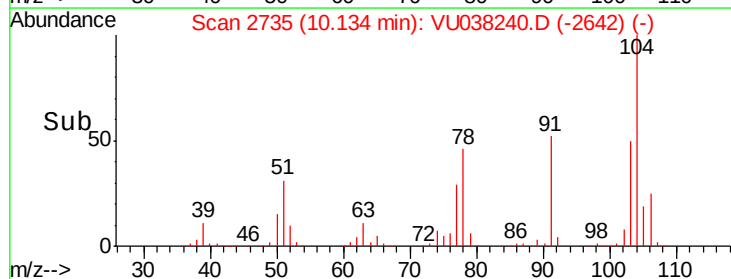
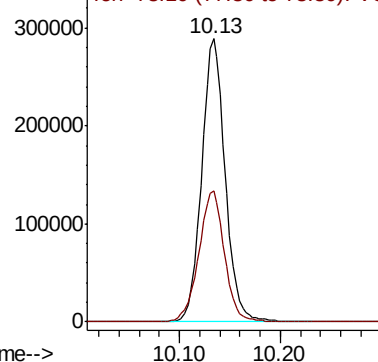


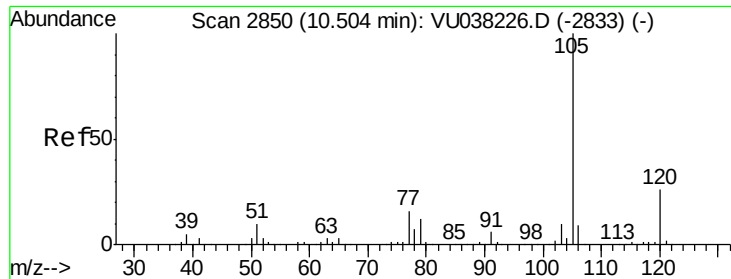
#55
Styrene
Concen: 5.659 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038240.D
Acq: 20 May 2020 10:46

Tgt Ion:104 Resp: 469405
Ion Ratio Lower Upper
104 100
78 46.1 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: 5.710 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

ClientSampleId :

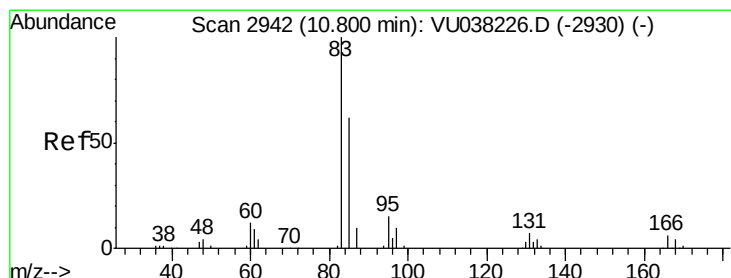
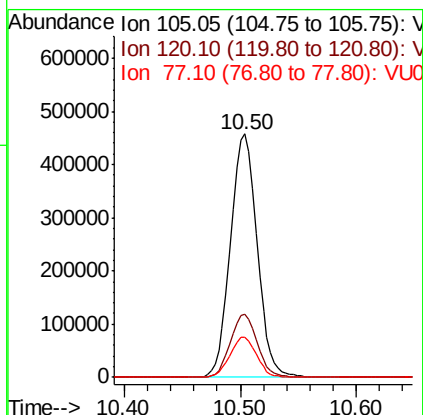
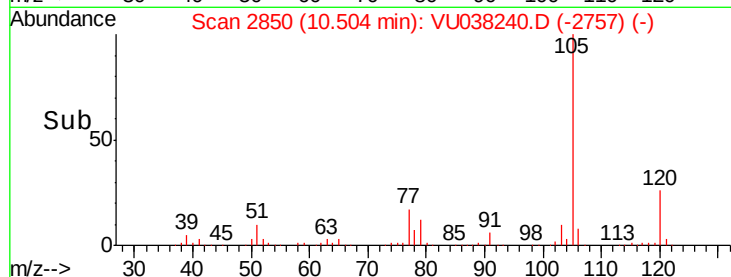
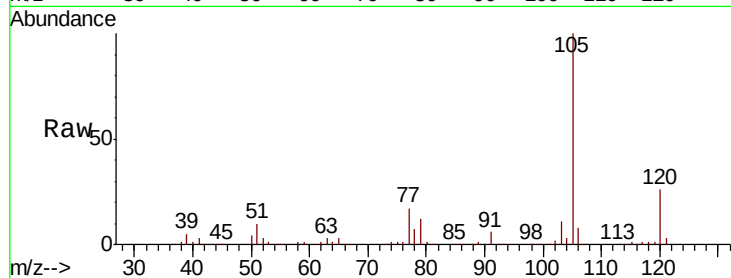
Tot Ion:105 Resp: 724704

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

77 16.6 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 5.587 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

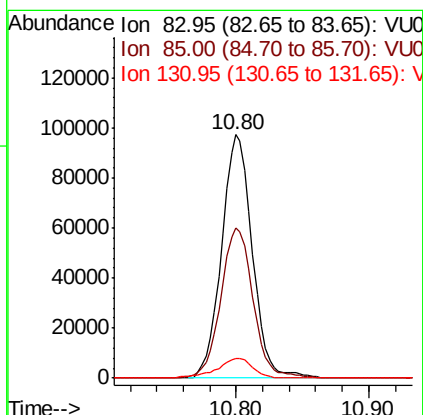
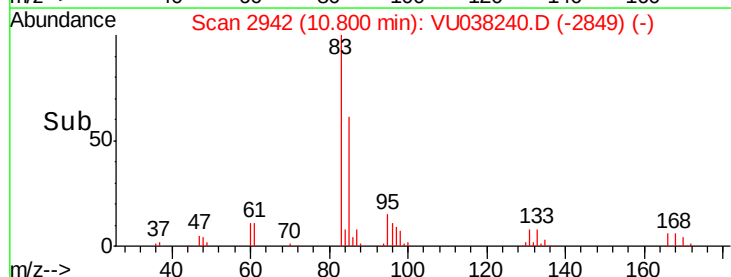
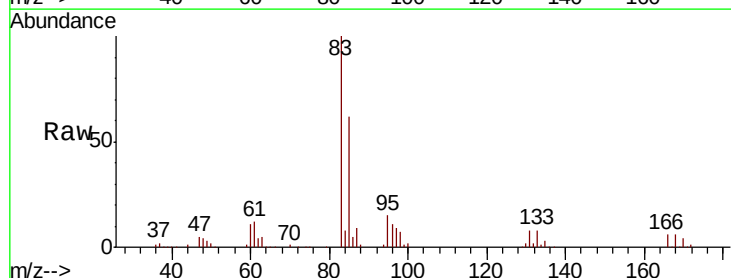
Tgt Ion: 83 Resp: 155949

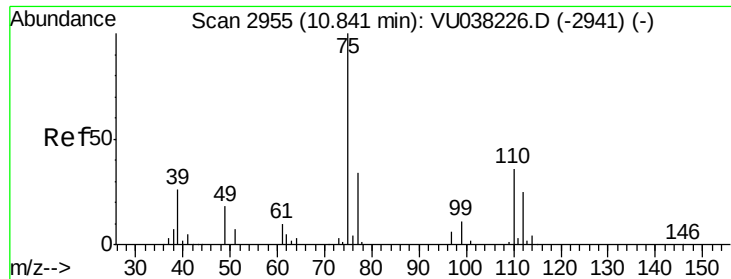
Ion Ratio Lower Upper

83 100

85 61.7 47.0 87.2

131 8.2 7.7 11.5





#59

1,2,3-Trichloropropane

Concen: 5.590 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

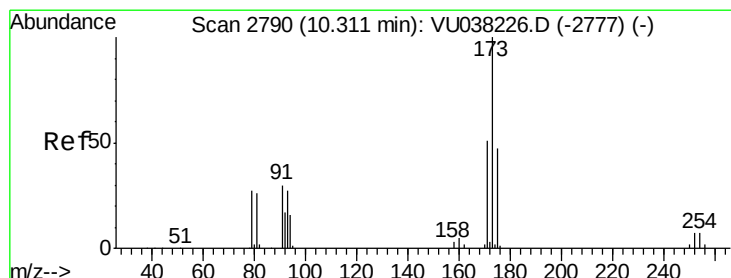
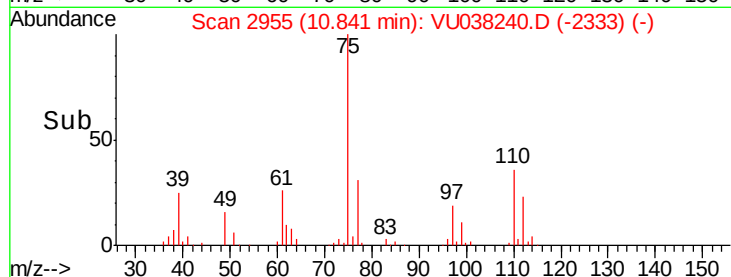
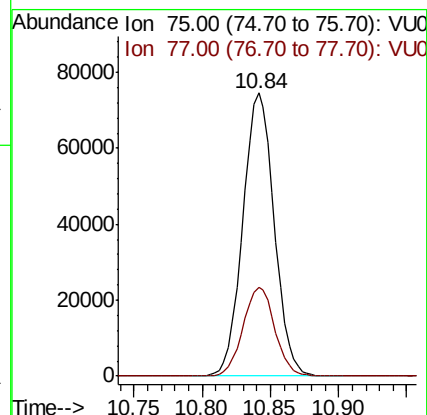
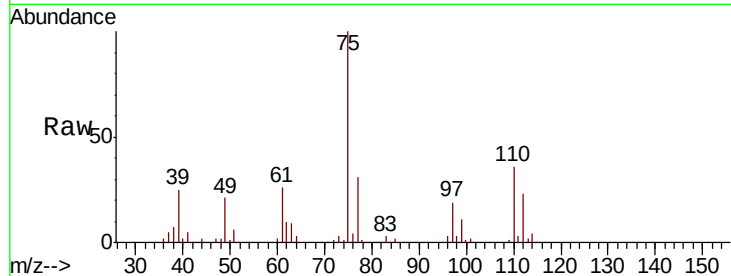
ClientSampleId :

Tot Ion: 75 Resp: 118779

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#61

Bromoform

Concen: 5.434 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

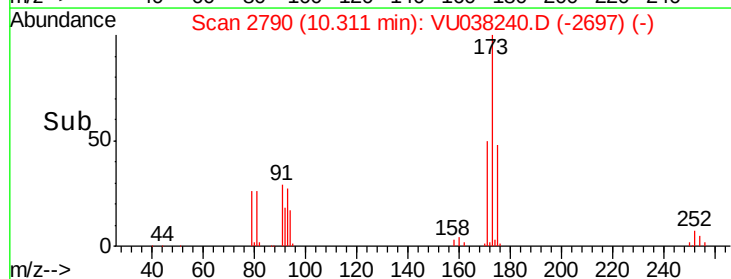
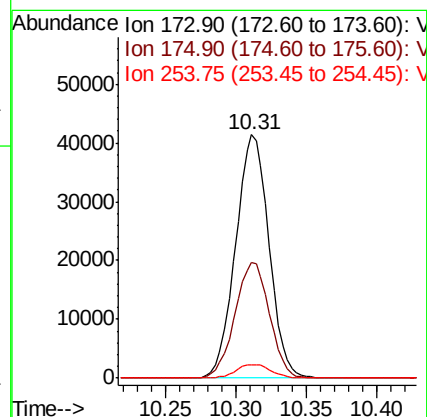
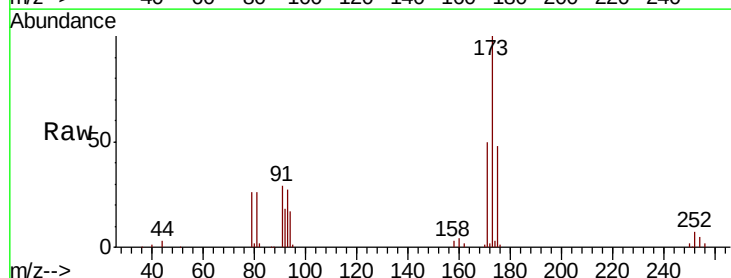
Tgt Ion: 173 Resp: 68531

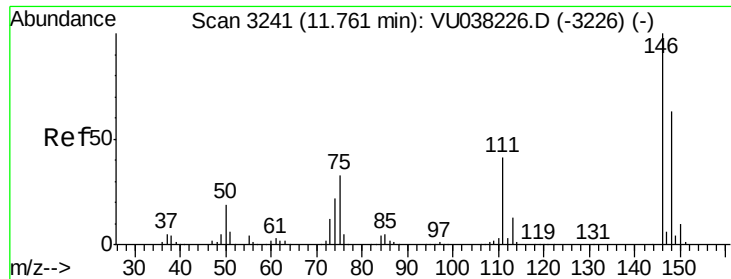
Ion Ratio Lower Upper

173 100

175 49.1 39.5 59.3

254 5.8 5.0 7.4

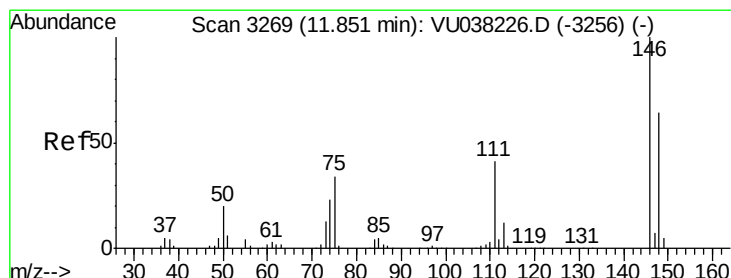
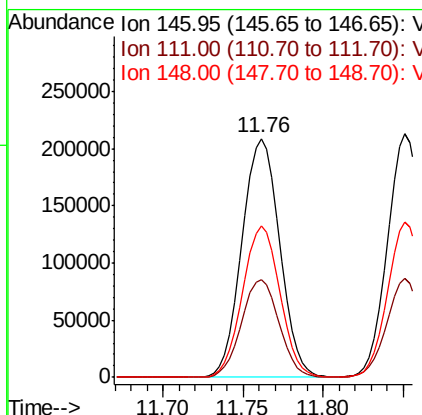
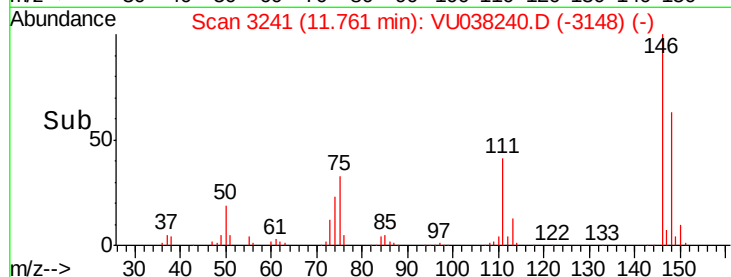
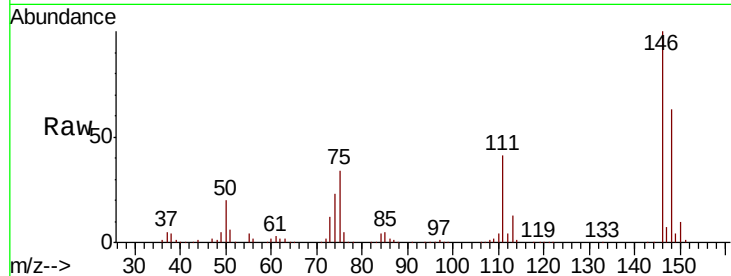




#62
 1,3-Dichlorobenzene
 Concen: 5.532 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

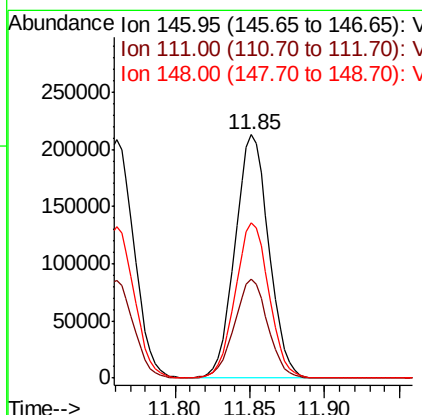
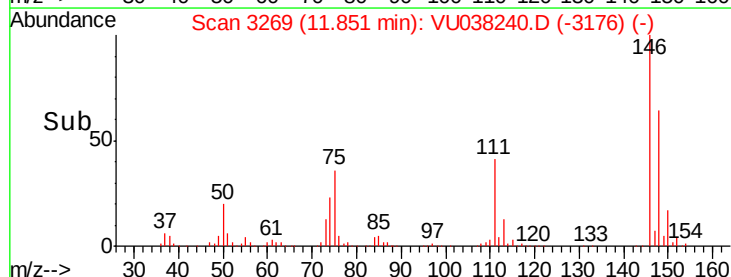
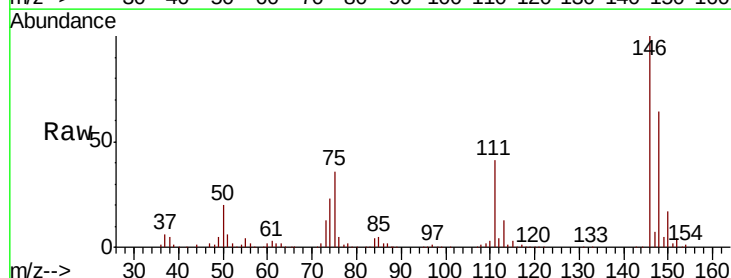
Instrument :
 MSVOA_U
 ClientSampled :

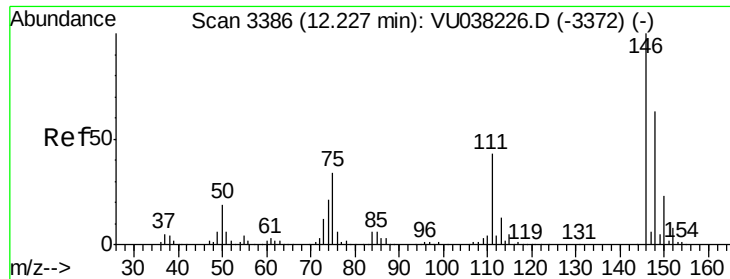
Tot Ion:146 Resp: 335854
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.6 53.2
 148 63.3 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.436 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion:146 Resp: 334405
 Ion Ratio Lower Upper
 146 100
 111 40.6 27.2 50.6
 148 64.0 43.8 81.3

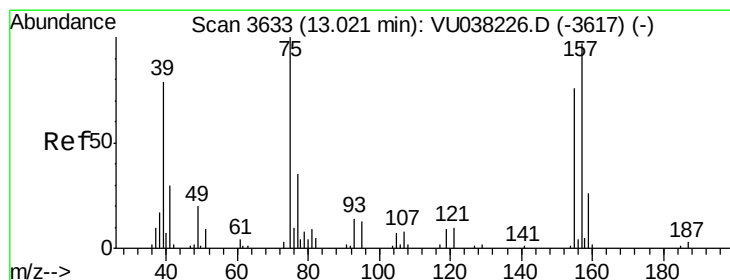
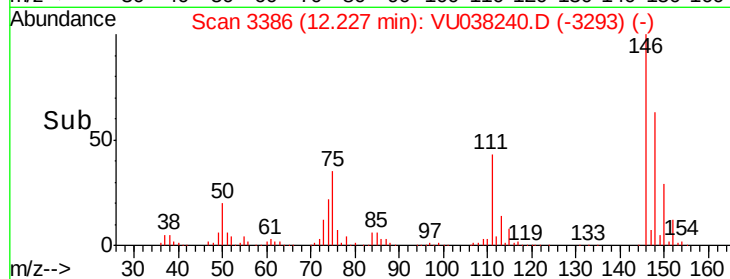
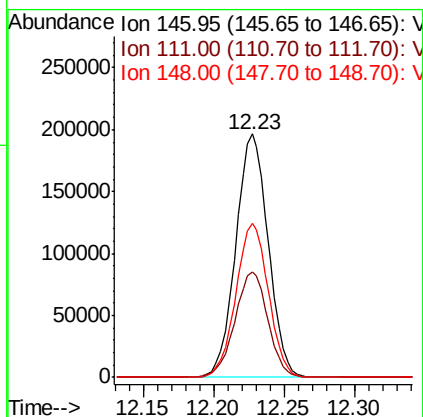
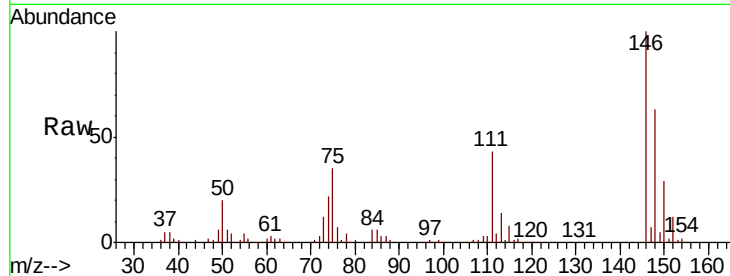




#65
 1,2-Dichlorobenzene
 Concen: 5.415 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

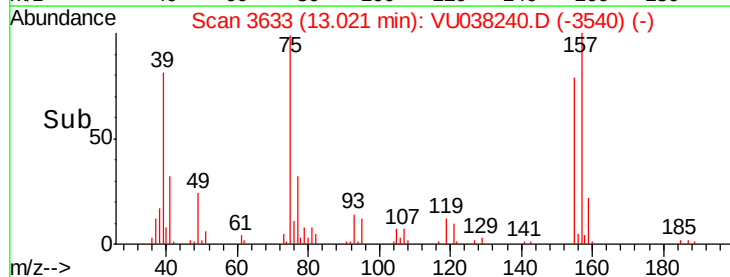
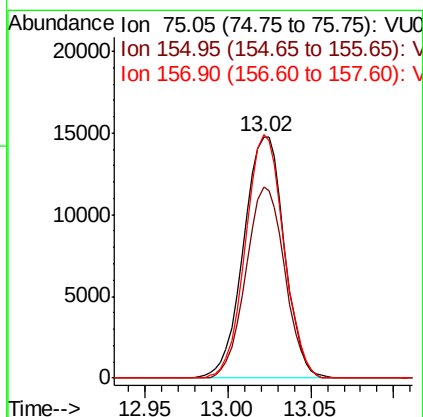
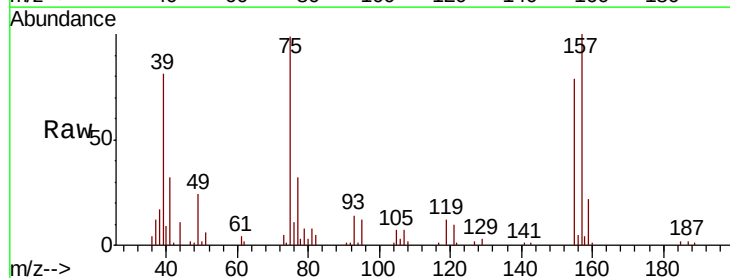
Instrument :
 MSVOA_U
 ClientSampleID :

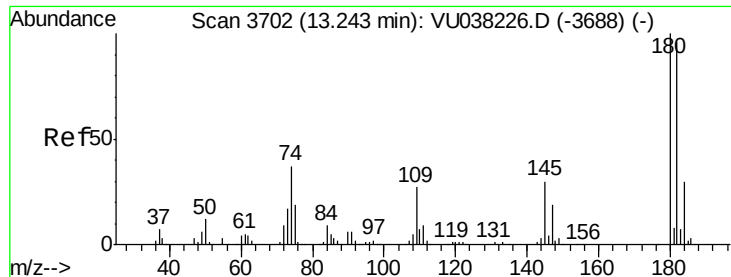
Tot Ion:146 Resp: 316241
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.3 52.9
 148 63.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.280 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion: 75 Resp: 25202
 Ion Ratio Lower Upper
 75 100
 155 79.3 58.2 87.2
 157 100.8 72.9 109.3

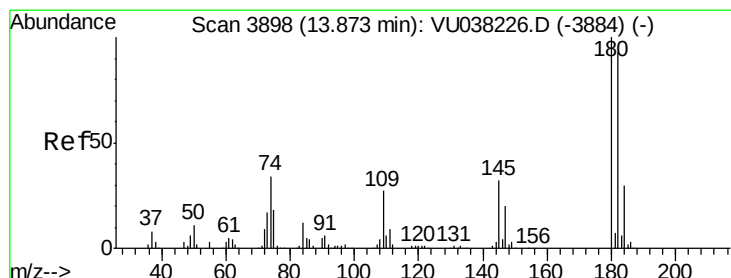
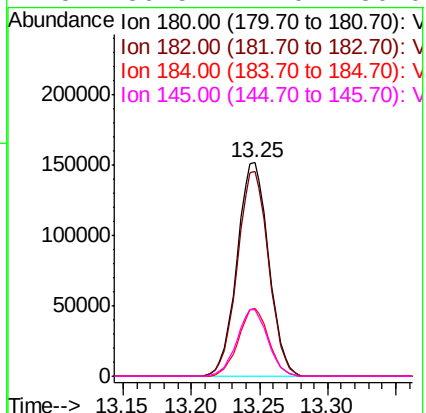
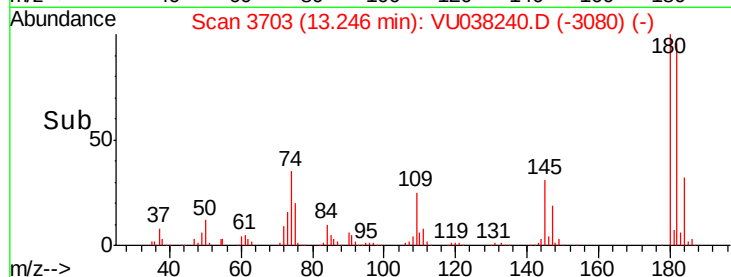
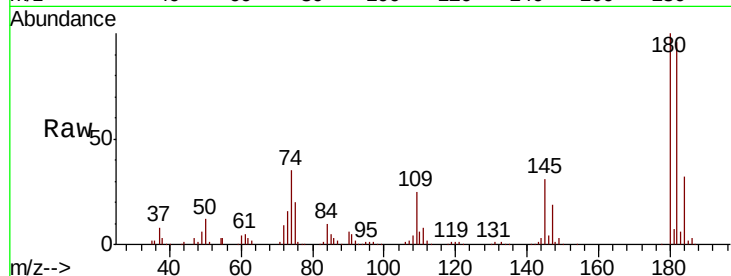




#67
 1,3,5-Trichlorobenzene
 Concen: 5.517 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

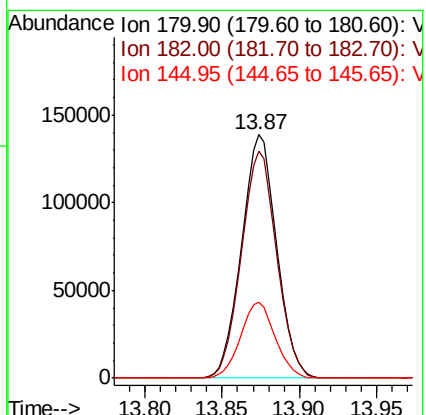
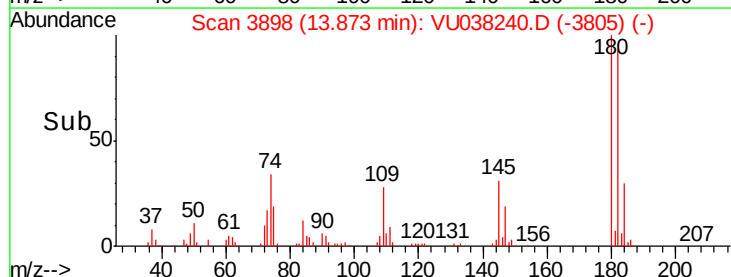
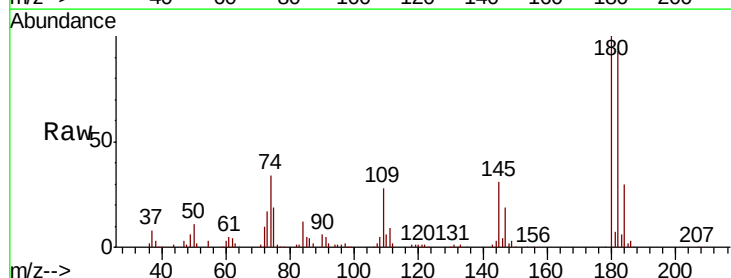
Instrument :
 MSVOA_U
 ClientSampleId :

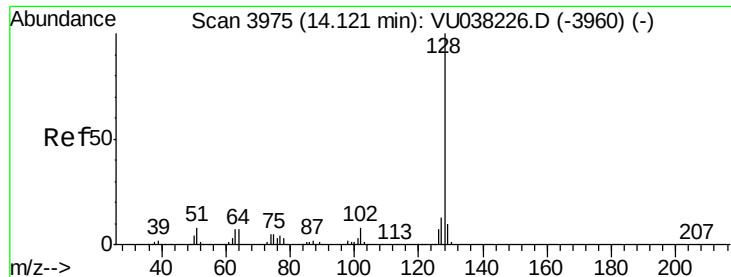
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.4	116.2
184	30.3	24.2	36.2
145	30.5	24.0	36.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.492 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.00 min
 Lab File: VU038240.D
 Acq: 20 May 2020 10:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.6
145	30.7	24.8	37.2





#69

Naphthalene

Concen: 5.197 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

Instrument :

MSVOA_U

ClientSampleId :

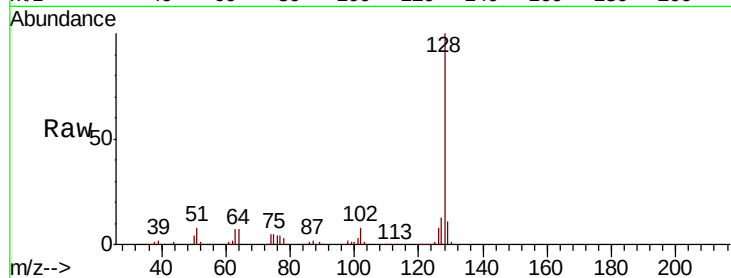
Tot Ion:128 Resp: 437166

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

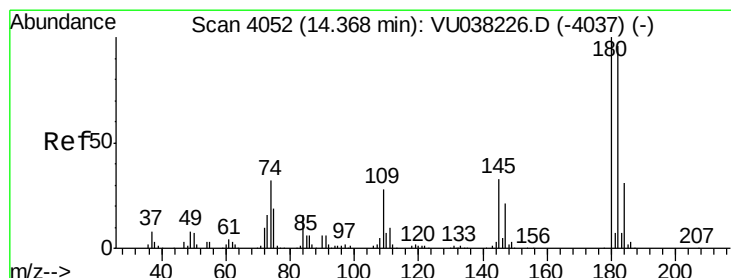
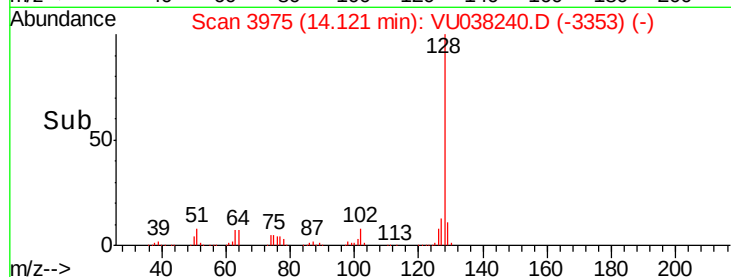
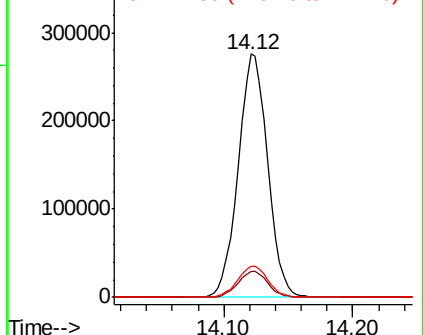
127 13.3 10.2 15.4



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: 5.437 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU038240.D

Acq: 20 May 2020 10:46

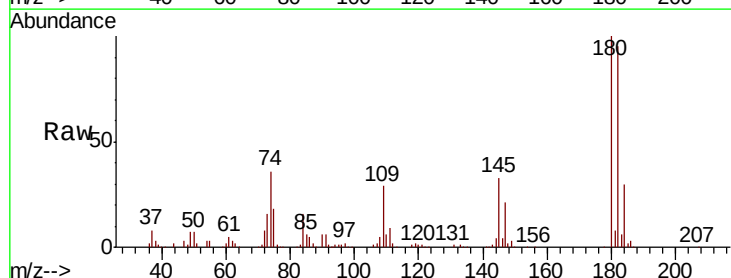
Tgt Ion:180 Resp: 201924

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 32.8 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

