

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038406.D
 Acq On : 30 May 2020 11:36
 Operator : JC/MD
 Sample : VSTD00102
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 01:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	329152	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	318770	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	161002	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20906	0.98	ug/L	0.00
7) Chloroethane-d5	1.93	69	17049	1.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	41162	0.98	ug/L	0.00
20) 2-Butanone-d5	4.69	46	64669	9.99	ug/L	0.00
24) Chloroform-d	5.10	84	40867	1.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	23387	1.03	ug/L	0.00
32) Benzene-d6	5.76	84	80075	1.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	24646	1.01	ug/L	0.00
41) Toluene-d8	7.92	98	70216	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9635	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	50535	9.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	20625	0.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	27271	0.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	24228	0.934 ug/L	99
3) Chloromethane	1.53	50	24166	1.014 ug/L	98
5) Vinyl chloride	1.62	62	25084	0.983 ug/L	100
6) Bromomethane	1.88	94	11630	0.938 ug/L	98
8) Chloroethane	1.95	64	15811	1.034 ug/L	97
9) Trichlorofluoromethane	2.16	101	31755	0.938 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	18901	0.948 ug/L	99
12) 1,1-Dichloroethene	2.61	96	19395	0.957 ug/L	93
13) Acetone	2.69	43	44395	10.483 ug/L	96
14) Carbon disulfide	2.82	76	67004	0.974 ug/L	98
15) Methyl Acetate	2.99	43	10466	1.009 ug/L	95
16) Methylene chloride	3.08	84	22777	0.993 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	50806	0.956 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	21444	0.982 ug/L	94
19) 1,1-Dichloroethane	3.91	63	38481	0.984 ug/L	97
21) 2-Butanone	4.76	43	69272	9.724 ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	22552	0.959 ug/L	98
23) Bromochloromethane	5.02	128	10264	0.970 ug/L	95
25) Chloroform	5.12	83	39919	1.005 ug/L	98
27) 1,2-Dichloroethane	5.83	62	27224	0.974 ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	31281	0.927 ug/L	95
30) Cyclohexane	5.42	56	31447	0.889 ug/L	98
31) Carbon tetrachloride	5.56	117	26434	0.941 ug/L	95
33) Benzene	5.81	78	89704	1.009 ug/L	100
34) Trichloroethene	6.57	95	22669	0.983 ug/L	97
35) Methylcyclohexane	6.79	83	31378	0.878 ug/L	99
37) 1,2-Dichloropropane	6.82	63	21552	0.964 ug/L	100
38) Bromodichloromethane	7.13	83	26927	0.969 ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	30429	0.920 ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	150220	9.391 ug/L	99

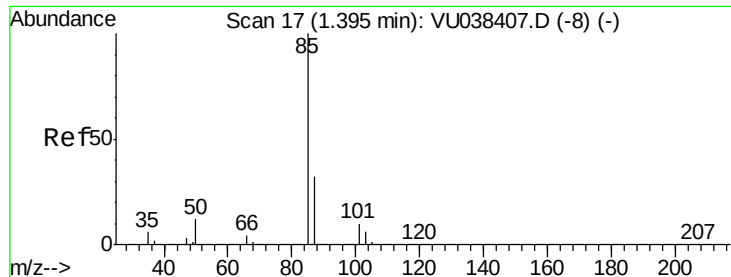
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038406.D
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Quant Time: Jun 01 01:27:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	91679	0.983	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	27159	0.930	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	16333	0.968	ug/L	94
47) Tetrachloroethene	8.57	164	16412	0.979	ug/L	96
48) 2-Hexanone	8.71	43	114271	9.432	ug/L	99
49) Dibromochloromethane	8.83	129	16618	0.912	ug/L	99
50) 1,2-Dibromoethane	8.94	107	15520	0.960	ug/L	98
51) Chlorobenzene	9.47	112	59395	0.988	ug/L	97
52) Ethylbenzene	9.59	91	97806	0.943	ug/L	98
53) m,p-Xylene	9.71	106	37022	0.928	ug/L	98
54) o-Xylene	10.11	106	36272	0.947	ug/L	96
55) Styrene	10.13	104	59910	0.922	ug/L	97
56) Isopropylbenzene	10.50	105	95072	0.943	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	20691	0.965	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	15964	0.956	ug/L	100
61) Bromoform	10.31	173	9596	0.957	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	45881	0.970	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	46417	0.968	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	44471	0.990	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	3300	0.907	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	33262	0.942	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	30185	0.924	ug/L	96
69) Naphthalene	14.11	128	56304	0.866	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	28067	0.944	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.934 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

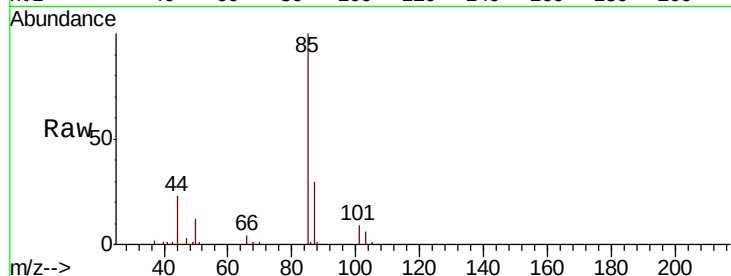
ClientSampled :

Tot Ion: 85 Resp: 24228

Ion Ratio Lower Upper

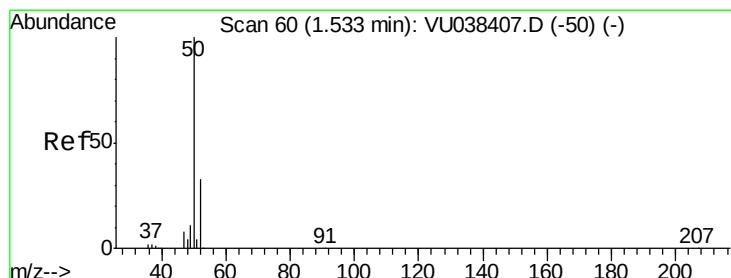
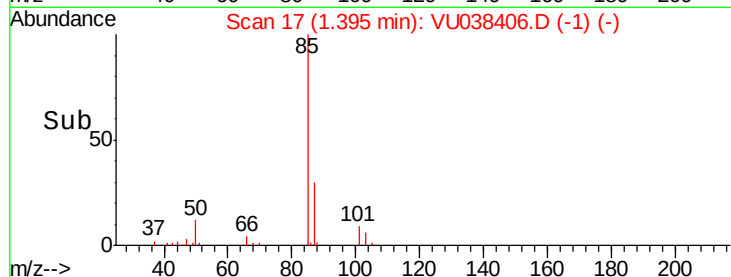
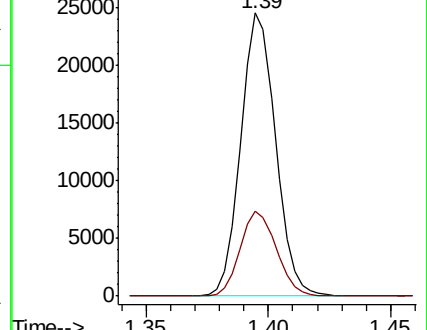
85 100

87 30.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038406.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038406.D (-8) (-)



#3

Chloromethane

Concen: 1.014 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038406.D

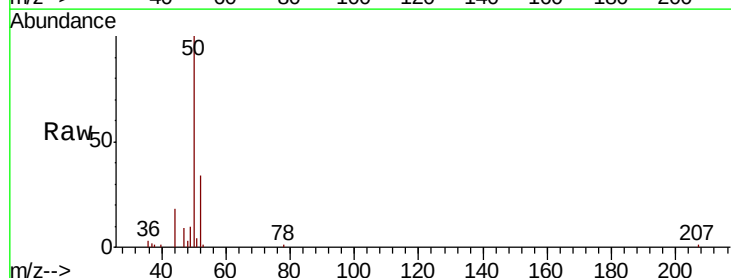
Acq: 30 May 2020 11:36

Tgt Ion: 50 Resp: 24166

Ion Ratio Lower Upper

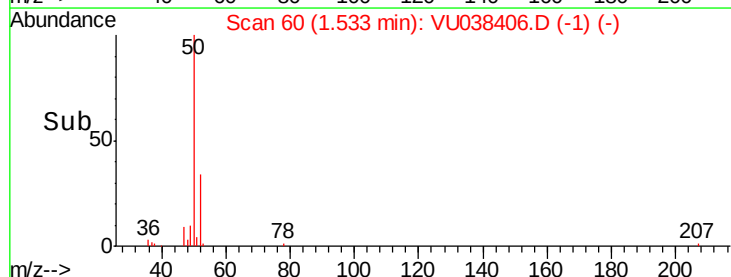
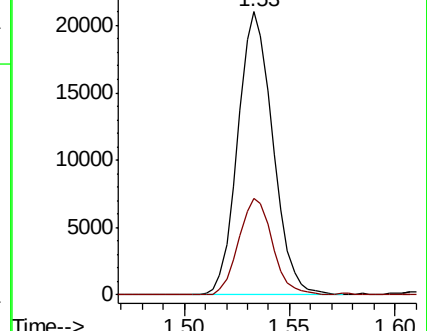
50 100

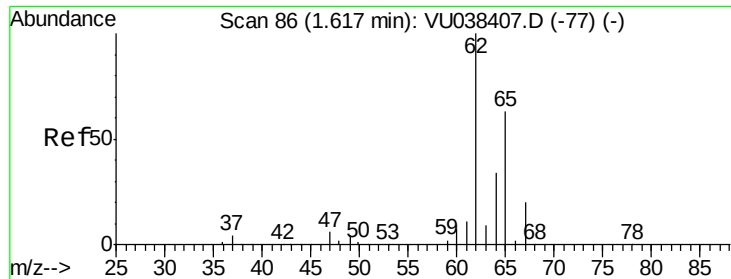
52 34.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038406.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038406.D (-50) (-)





#5

Vinyl chloride

Concen: 0.983 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

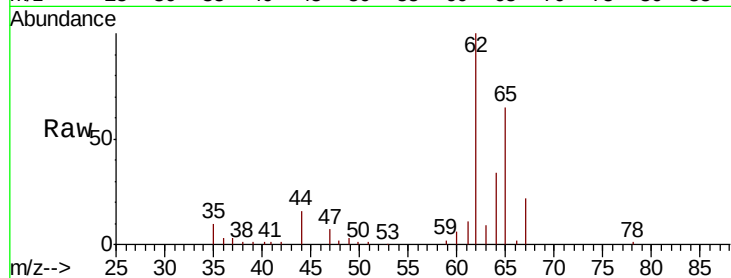
ClientSampleId :

Tot Ion: 62 Resp: 25084

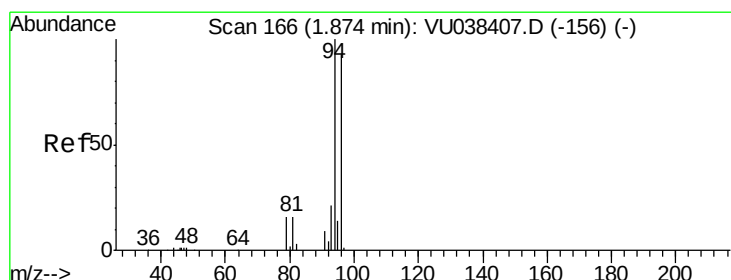
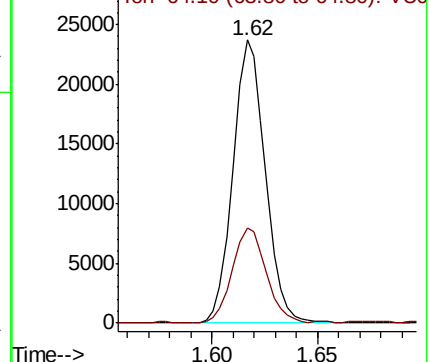
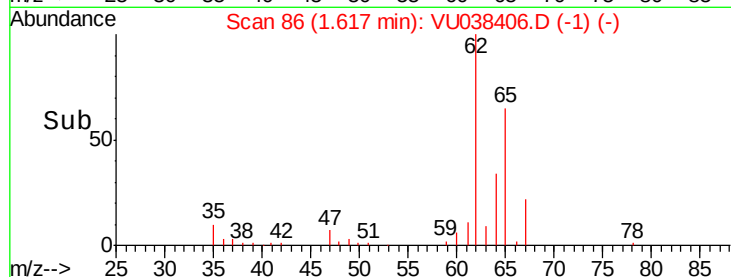
Ion Ratio Lower Upper

62 100

64 33.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038406.D (-1) (-)



#6

Bromomethane

Concen: 0.938 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038406.D

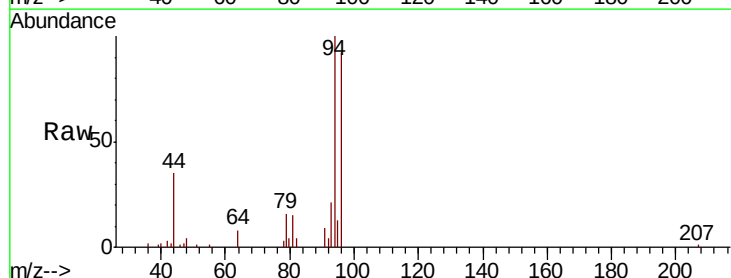
Acq: 30 May 2020 11:36

Tgt Ion: 94 Resp: 11630

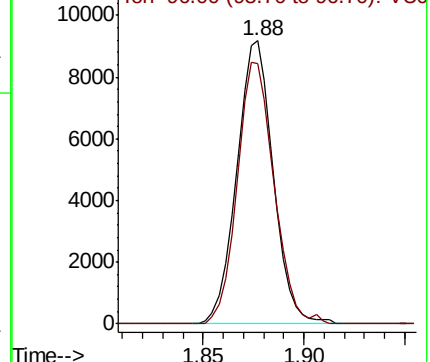
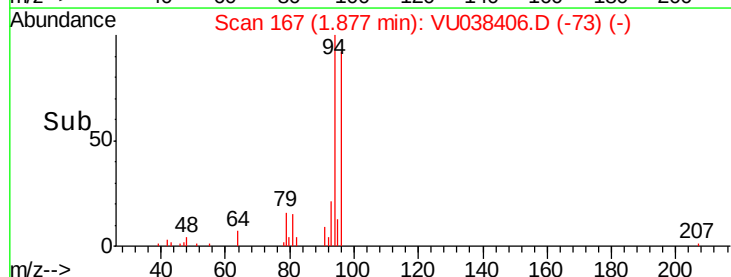
Ion Ratio Lower Upper

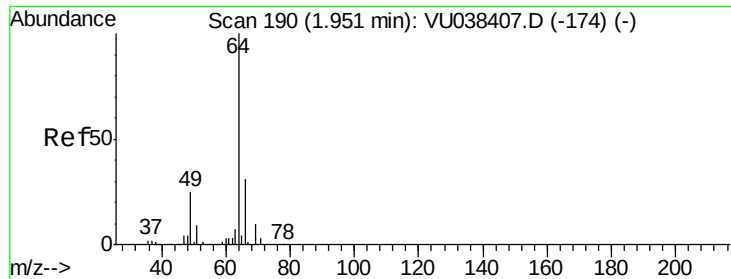
94 100

96 92.0 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038406.D (-73) (-)

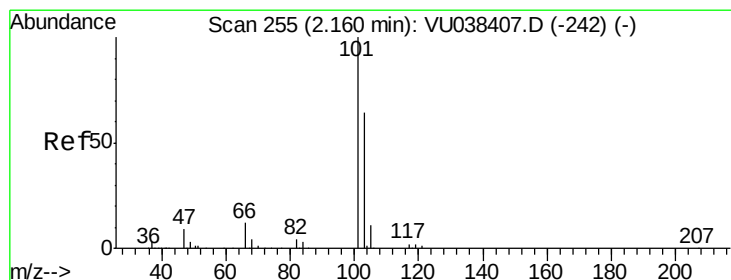
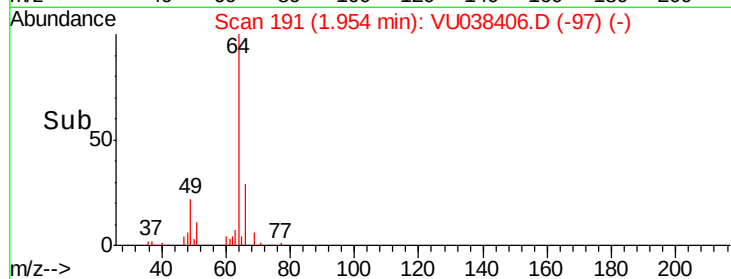
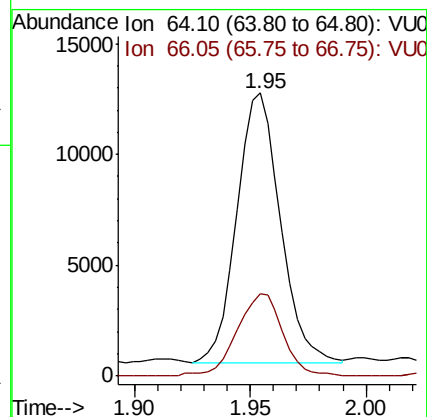
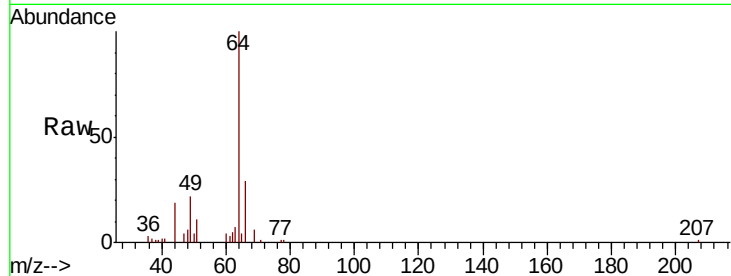




#8
Chloroethane
Concen: 1.034 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

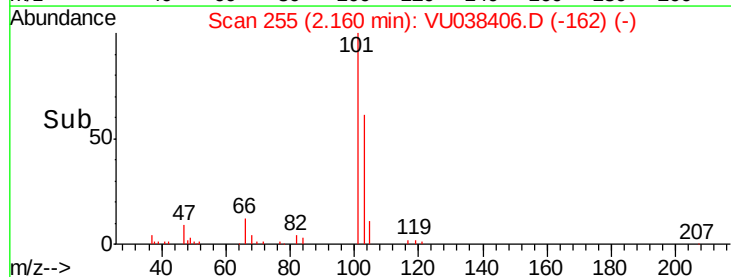
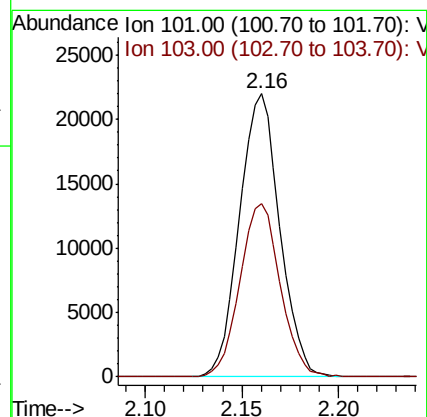
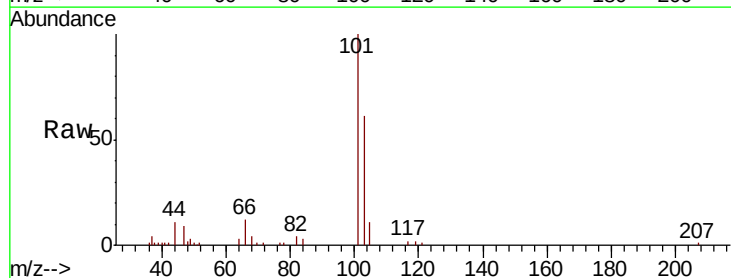
Instrument :
MSVOA_U
ClientSampleId :

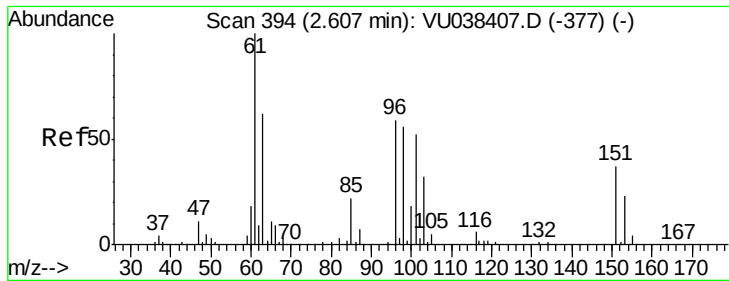
Tot Ion: 64 Resp: 15811
Ion Ratio Lower Upper
64 100
66 29.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 0.938 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion:101 Resp: 31755
Ion Ratio Lower Upper
101 100
103 61.2 51.1 76.7





#10

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

Concen: 0.948 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

ClientSampled :

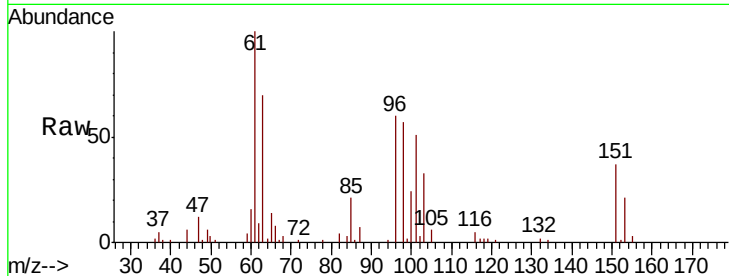
Tot Ion:101 Resp: 18901

Ion Ratio Lower Upper

101 100

85 42.5 34.0 51.0

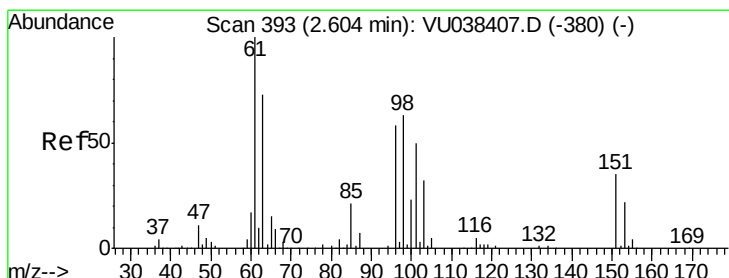
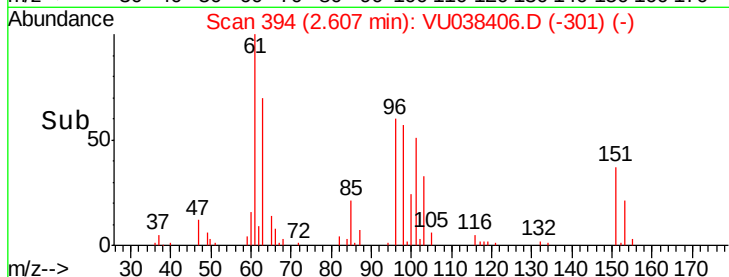
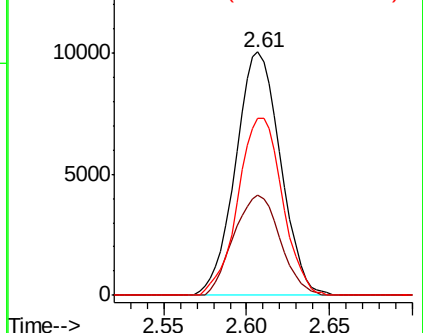
151 72.2 56.9 85.3



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: 0.957 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

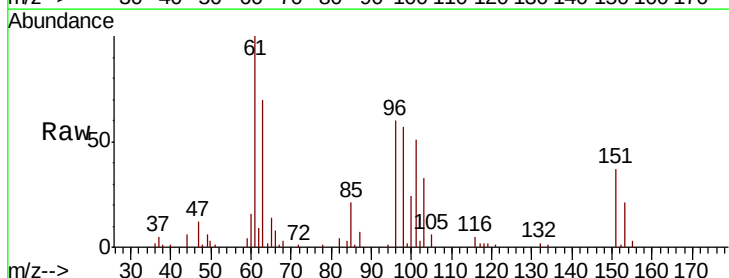
Tgt Ion: 96 Resp: 19395

Ion Ratio Lower Upper

96 100

61 165.5 119.9 222.7

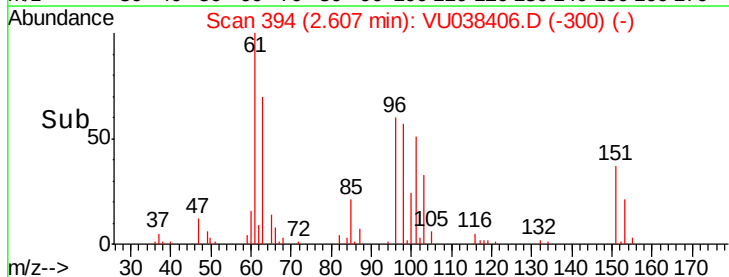
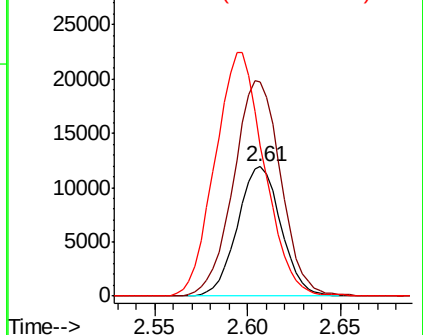
63 116.2 89.9 167.0

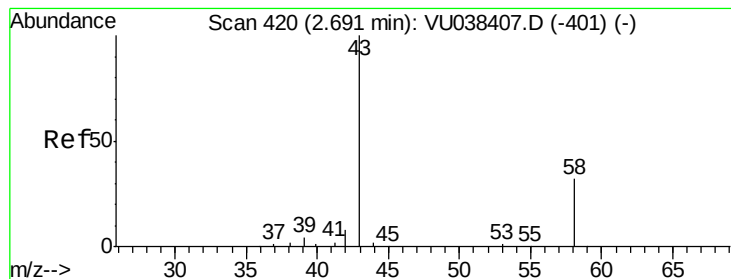


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.483 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

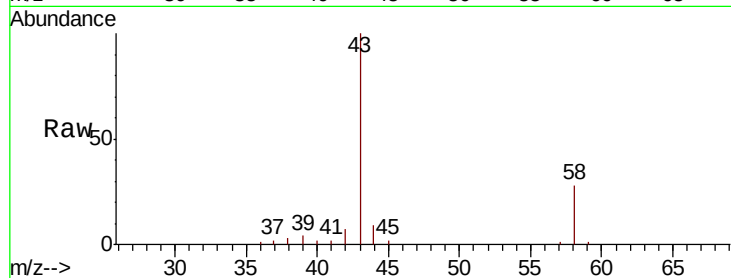
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 44395

Ion Ratio Lower Upper

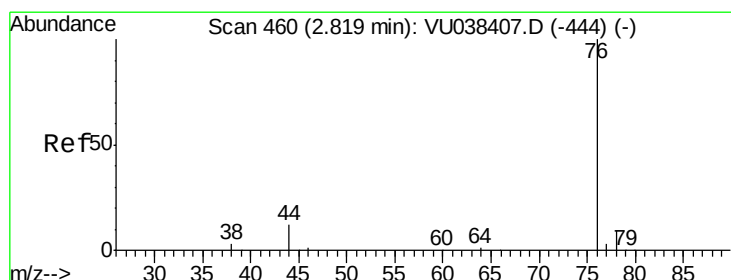
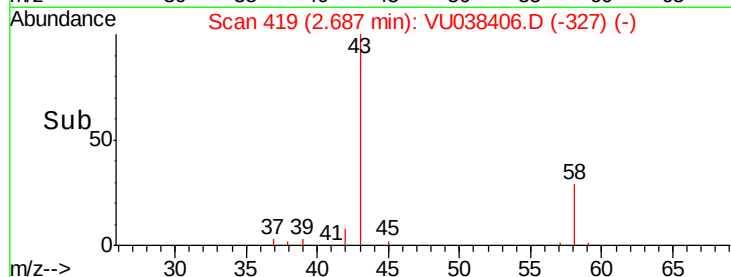
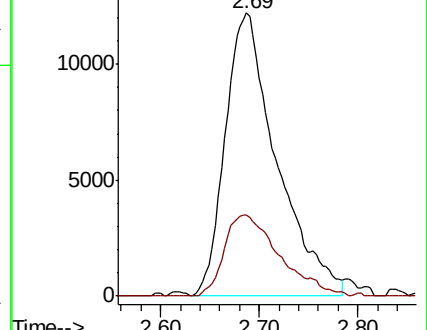
43 100

58 30.8 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038407.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038407.D (-401) (-)



#14

Carbon disulfide

Concen: 0.974 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038406.D

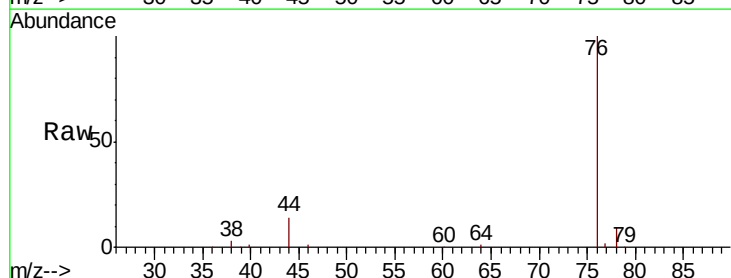
Acq: 30 May 2020 11:36

Tgt Ion: 76 Resp: 67004

Ion Ratio Lower Upper

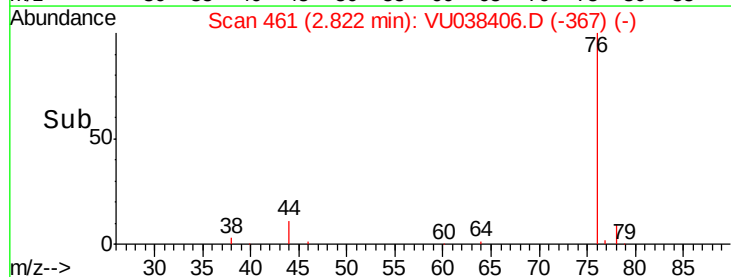
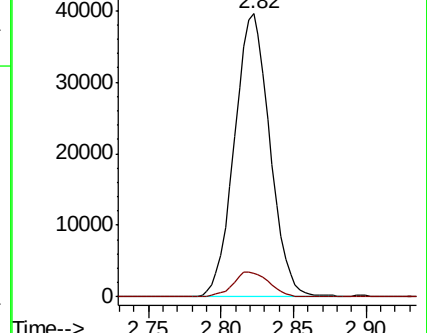
76 100

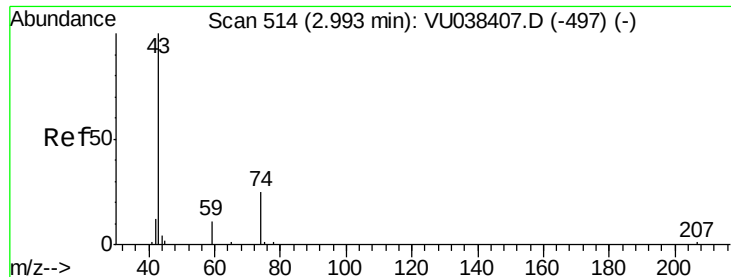
78 8.5 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038407.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038407.D (-444) (-)

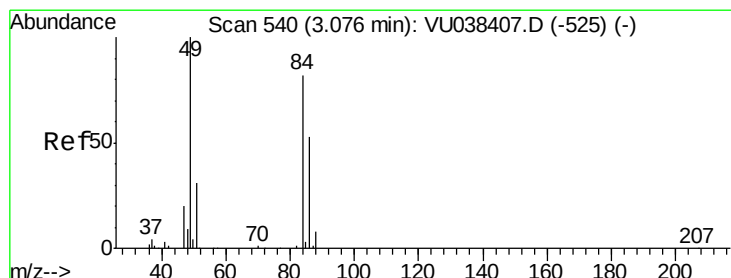
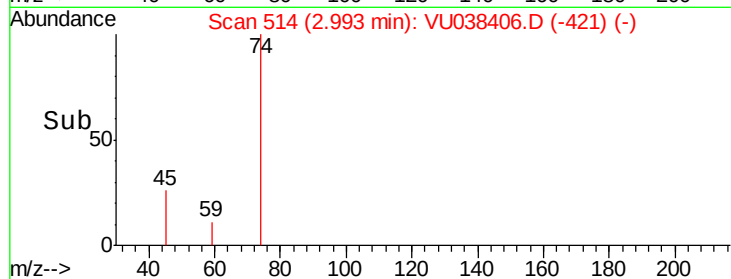
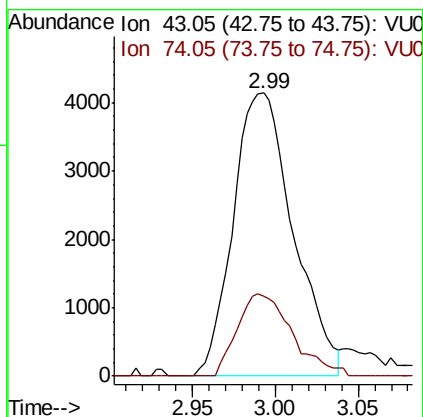
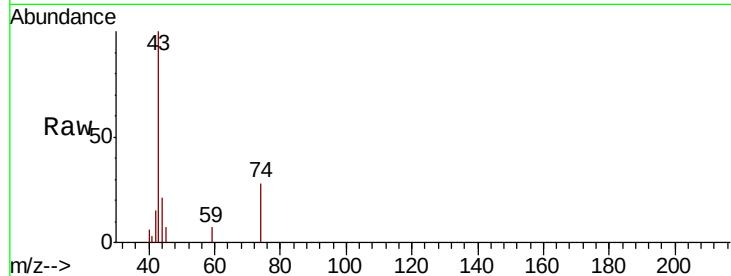




#15
Methvl Acetate
Concen: 1.009 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

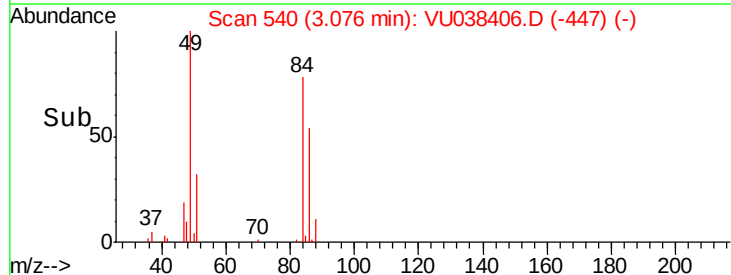
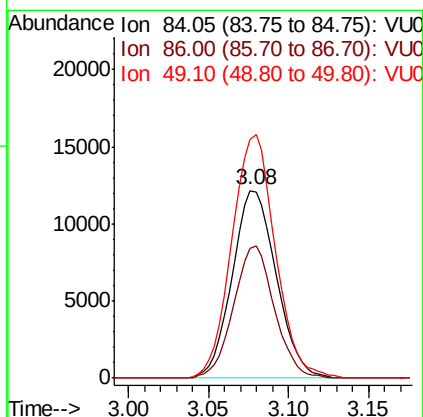
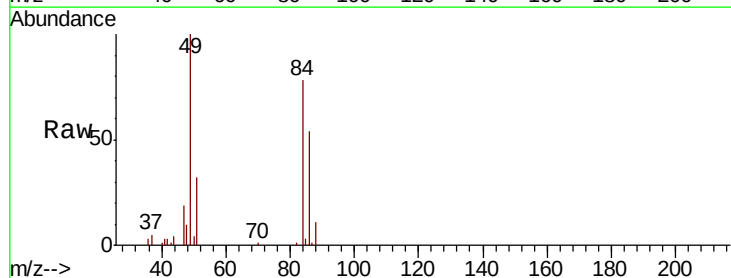
Instrument :
MSVOA_U
ClientSampleId :

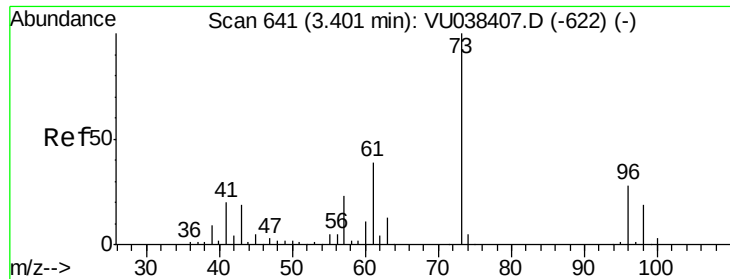
Tot Ion: 43 Resp: 10466
Ion Ratio Lower Upper
43 100
74 26.6 19.2 28.8



#16
Methylene chloride
Concen: 0.993 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 84 Resp: 22777
Ion Ratio Lower Upper
84 100
86 69.2 45.0 83.6
49 127.4 85.5 158.9

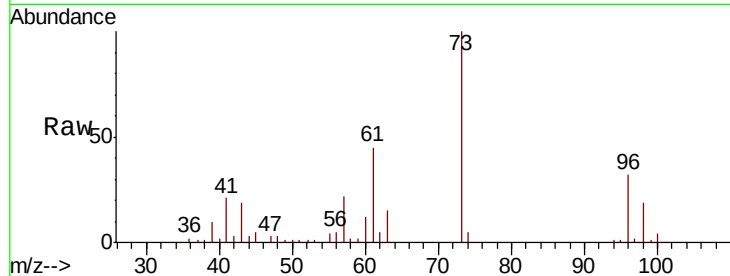




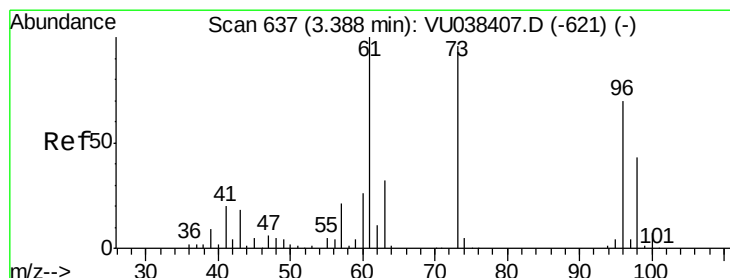
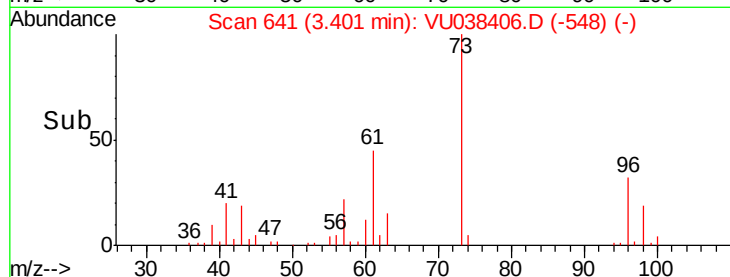
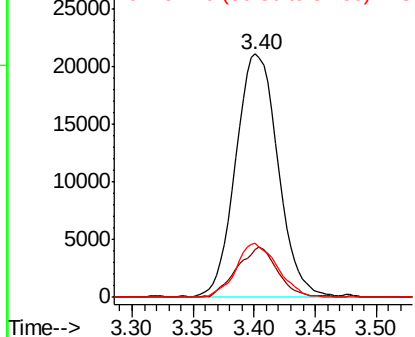
#17
Methyl tert-butyl Ether
Concen: 0.956 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 50806
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 21.7 17.8 26.6

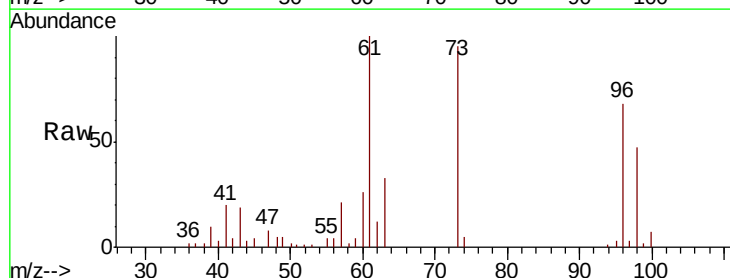


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

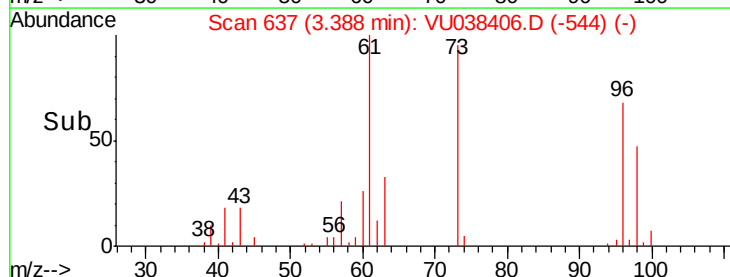
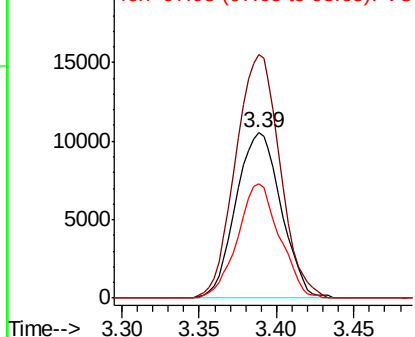


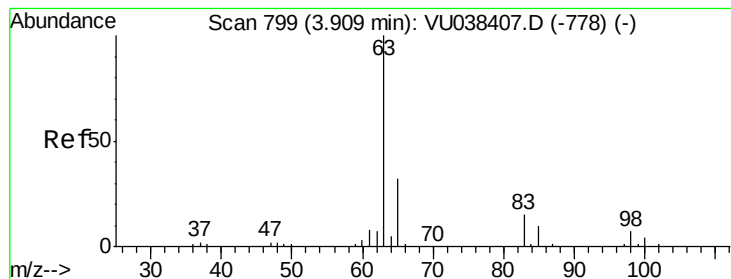
#18
trans-1,2-Dichloroethene
Concen: 0.982 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 96 Resp: 21444
Ion Ratio Lower Upper
96 100
61 147.6 100.2 186.0
98 69.5 42.8 79.4



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: 0.984 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

ClientSampleId :

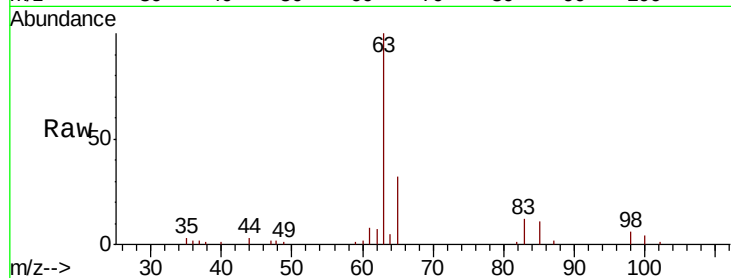
Tot Ion: 63 Resp: 38481

Ion Ratio Lower Upper

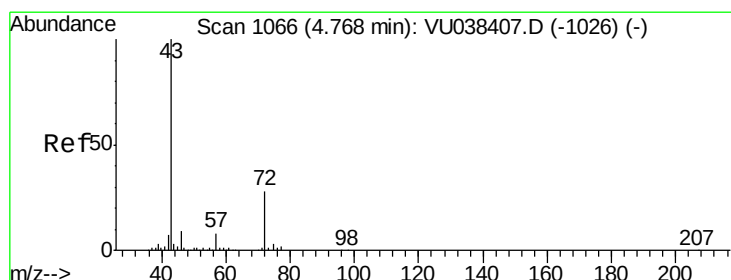
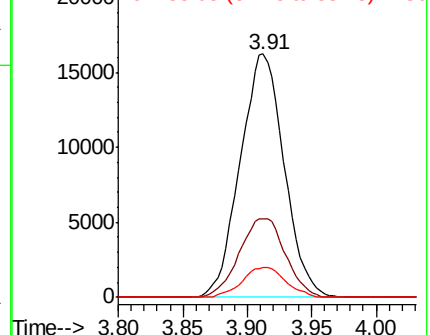
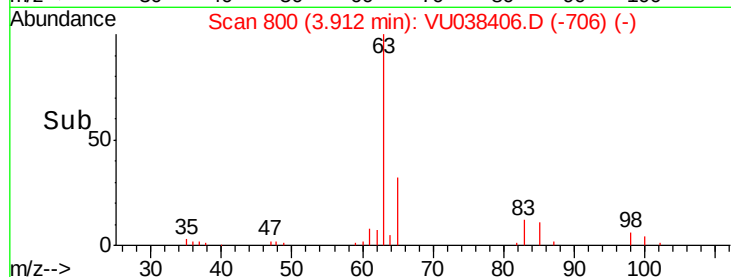
63 100

65 32.5 22.3 41.5

83 12.1 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038406.D (-706) (-)



#21

2-Butanone

Concen: 9.724 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VU038406.D

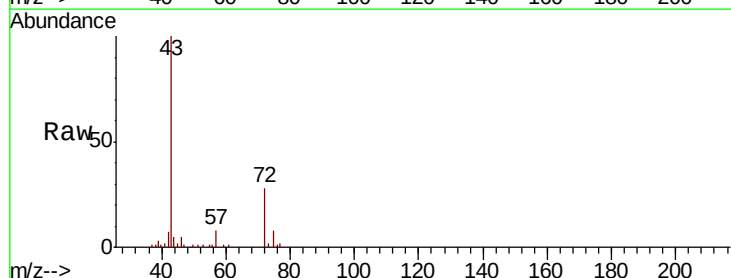
Acq: 30 May 2020 11:36

Tgt Ion: 43 Resp: 69272

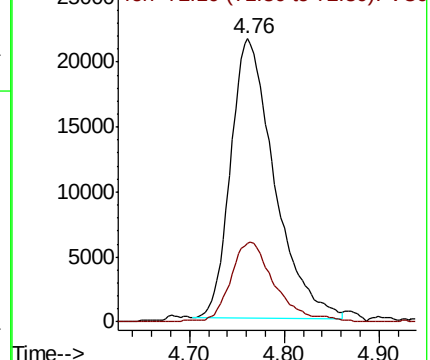
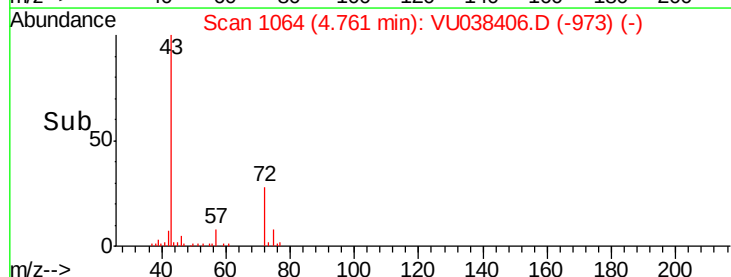
Ion Ratio Lower Upper

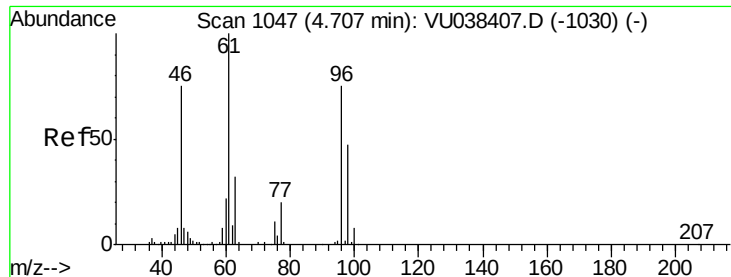
43 100

72 27.8 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU038406.D (-973) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.959 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampleId :

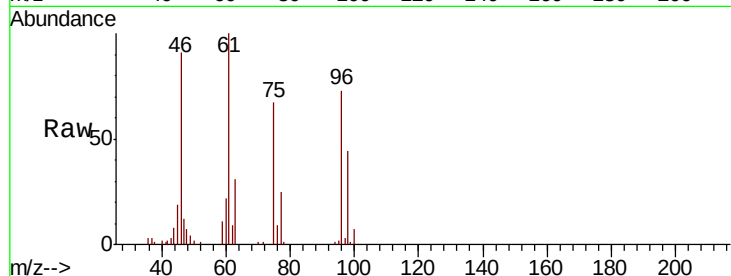
Tot Ion: 96 Resp: 22552

Ion Ratio Lower Upper

96 100

61 136.5 94.0 174.6

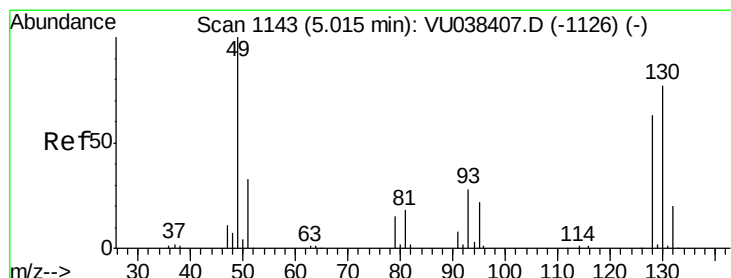
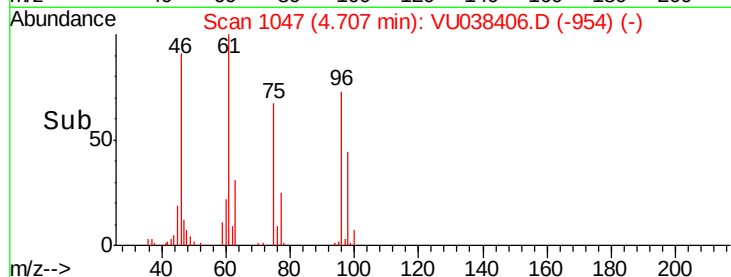
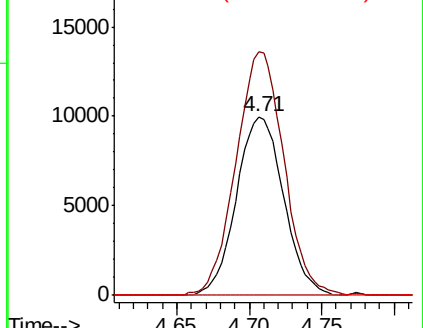
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038406.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038406.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038406.D (-954) (-)



#23

Bromochloromethane

Concen: 0.970 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Tgt Ion: 128 Resp: 10264

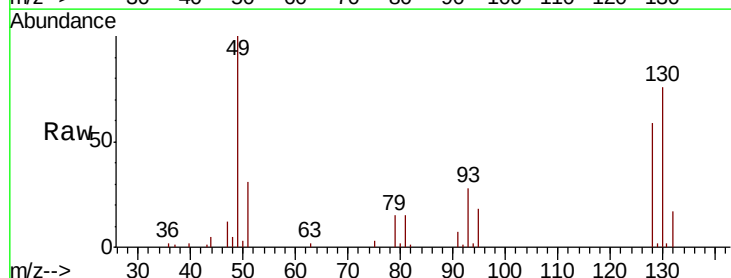
Ion Ratio Lower Upper

128 100

49 169.2 111.9 207.7

130 128.2 86.5 160.7

51 53.3 41.7 62.5

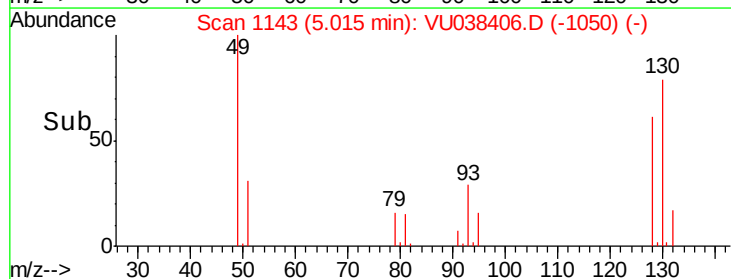
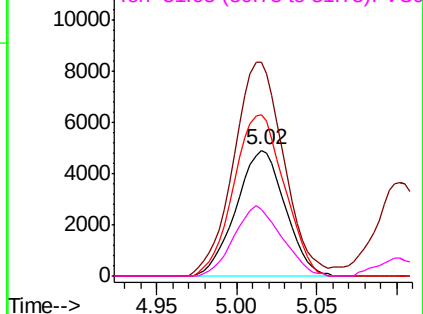


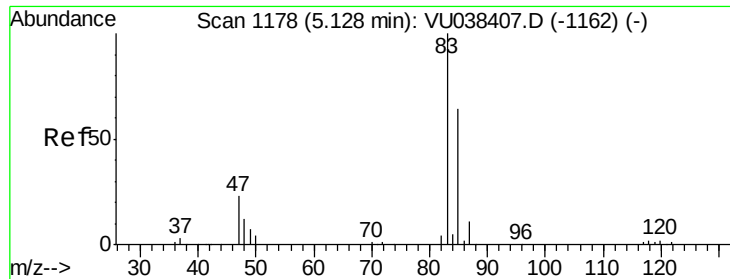
Abundance Ion 127.90 (127.60 to 128.60): VU038406.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU038406.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU038406.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU038406.D (-1050) (-)

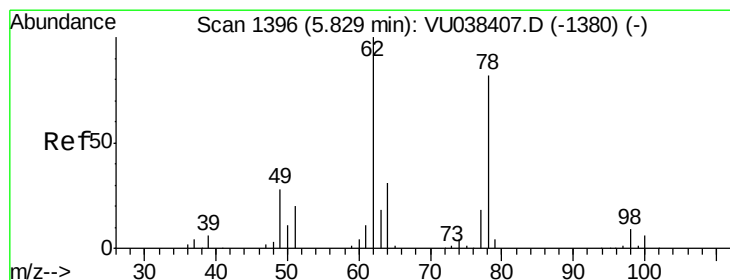
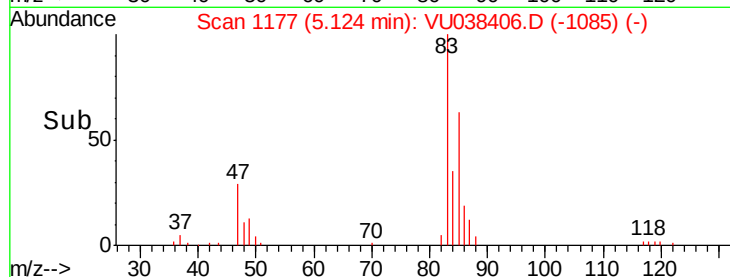
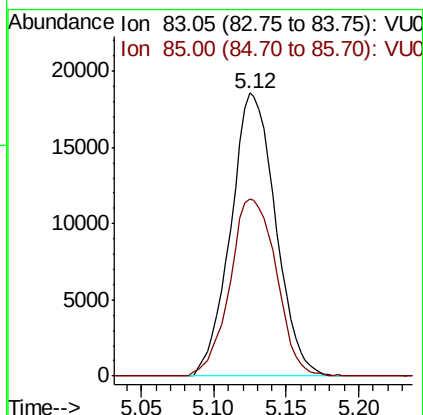
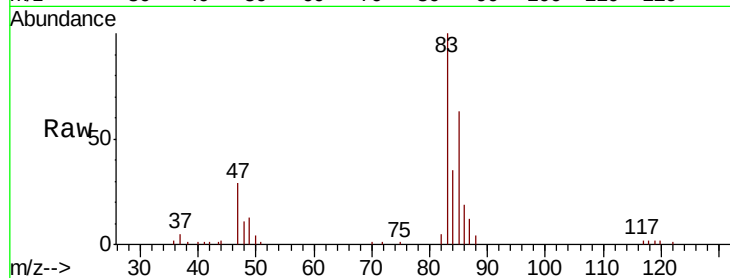




#25
Chloroform
Concen: 1.005 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

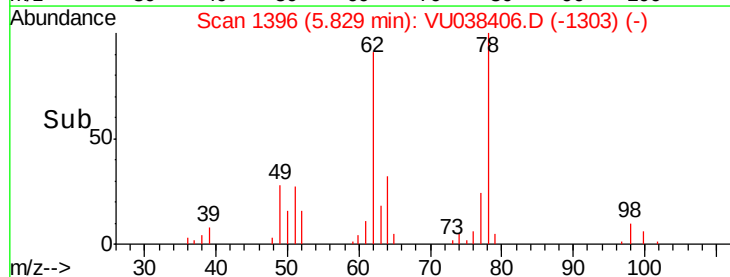
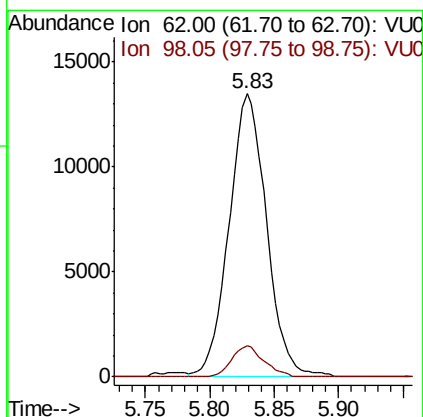
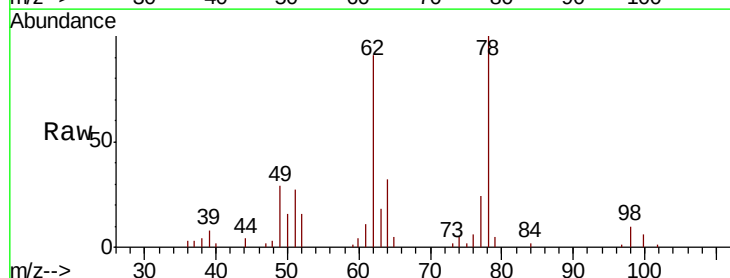
Instrument :
MSVOA_U
ClientSampleId :

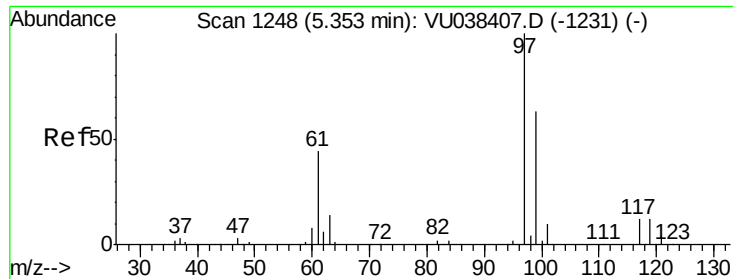
Tot Ion: 83 Resp: 39919
Ion Ratio Lower Upper
83 100
85 62.7 44.9 83.5



#27
1,2-Dichloroethane
Concen: 0.974 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 62 Resp: 27224
Ion Ratio Lower Upper
62 100
98 11.2 7.4 11.2#

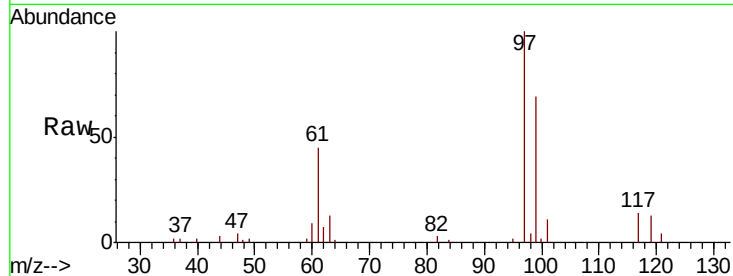




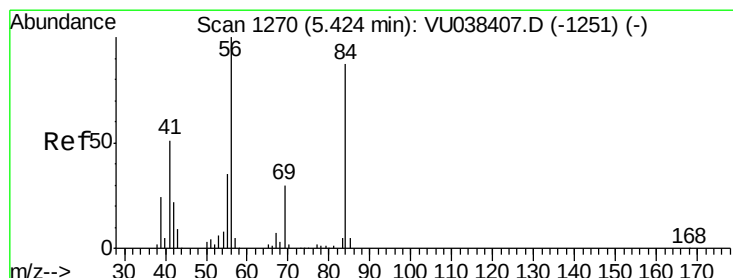
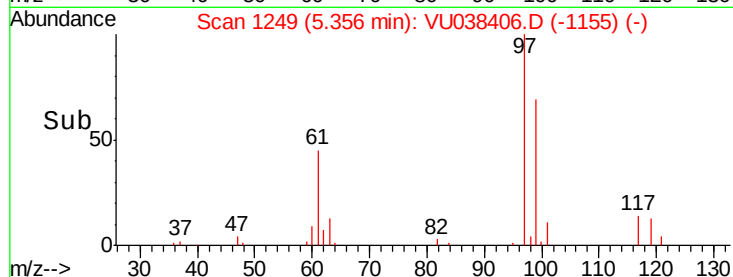
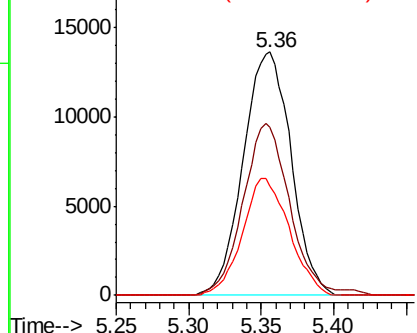
#29
1,1,1-Trichloroethane
Concen: 0.927 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 31281
Ion Ratio Lower Upper
97 100
99 68.9 52.2 78.2
61 47.1 35.4 53.2

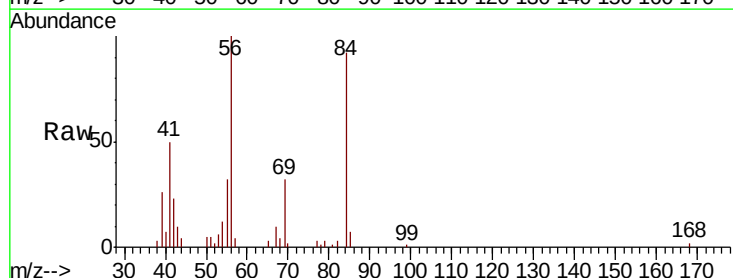


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

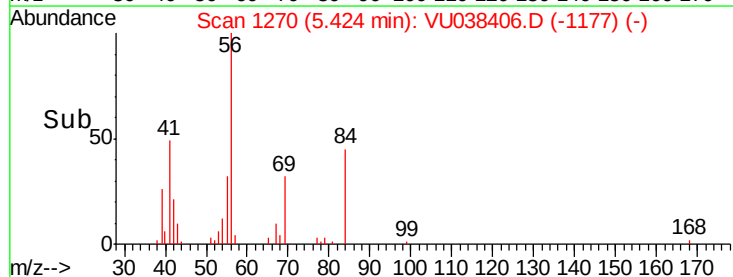
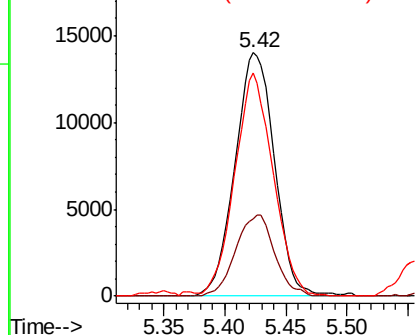


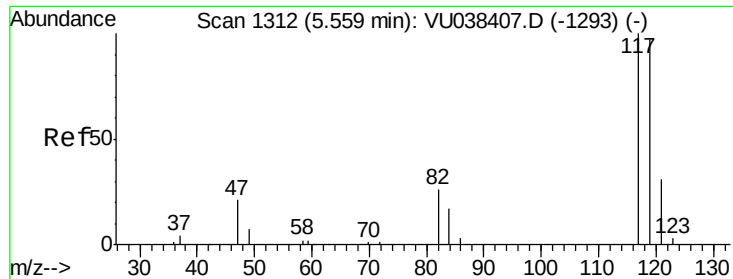
#30
Cyclohexane
Concen: 0.889 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 56 Resp: 31447
Ion Ratio Lower Upper
56 100
69 32.6 24.2 36.4
84 89.1 70.8 106.2



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: 0.941 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

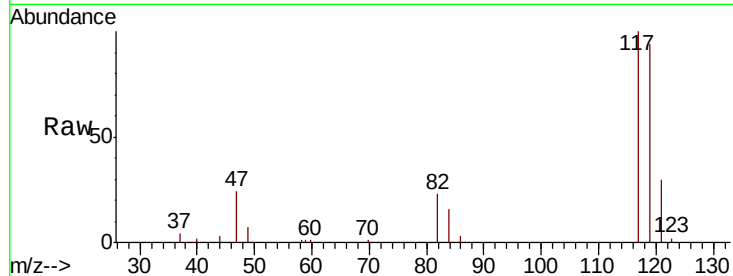
ClientSampleId :

Tot Ion:117 Resp: 26434

Ion Ratio Lower Upper

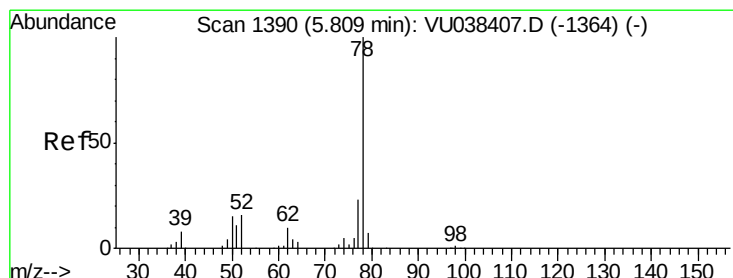
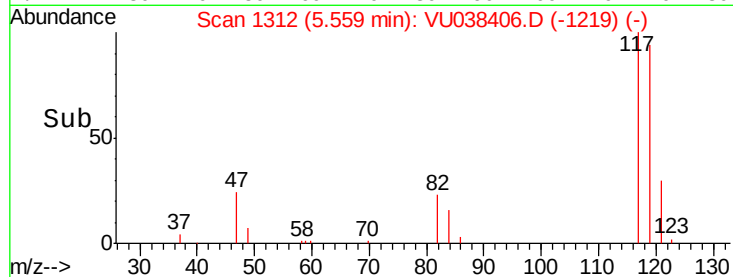
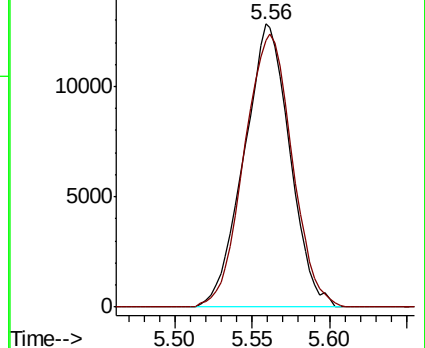
117 100

119 100.5 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.009 ug/L

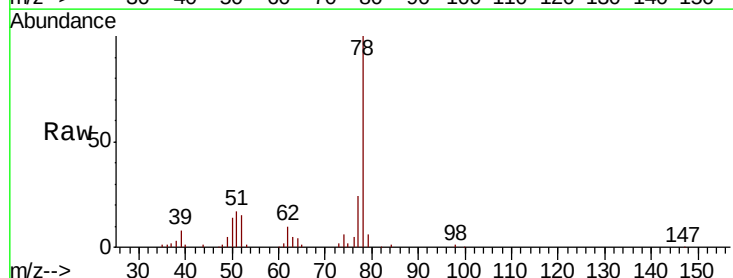
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

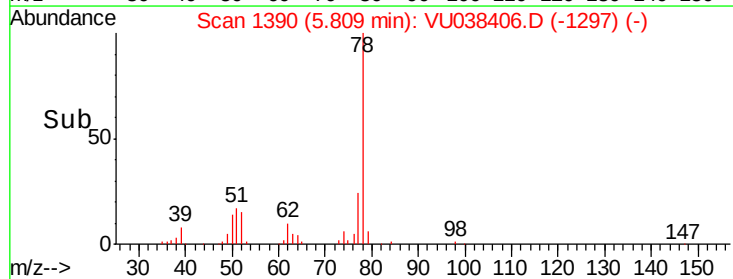
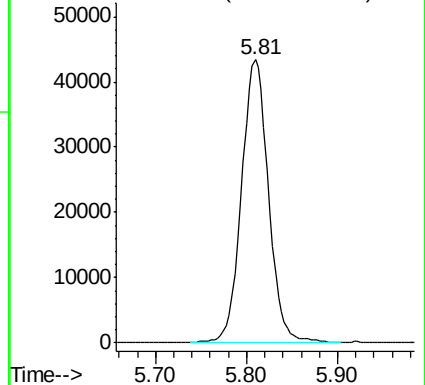
Lab File: VU038406.D

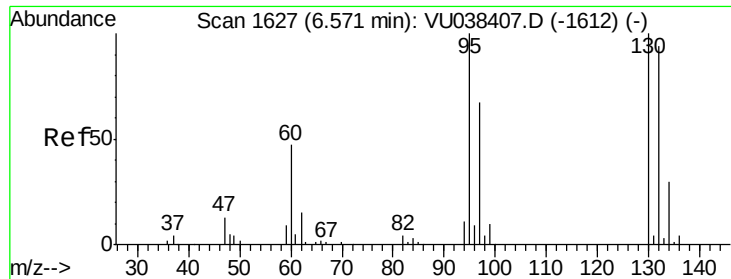
Acq: 30 May 2020 11:36

Tgt Ion: 78 Resp: 89704



Abundance Ion 78.10 (77.80 to 78.80): VU0

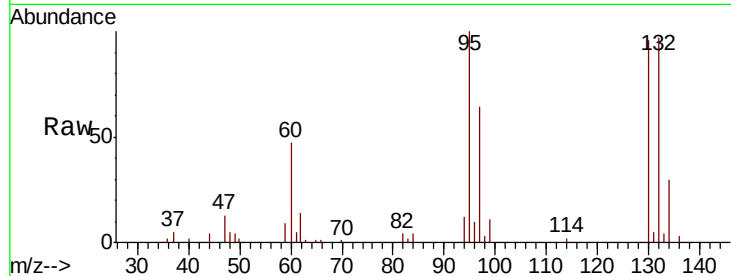




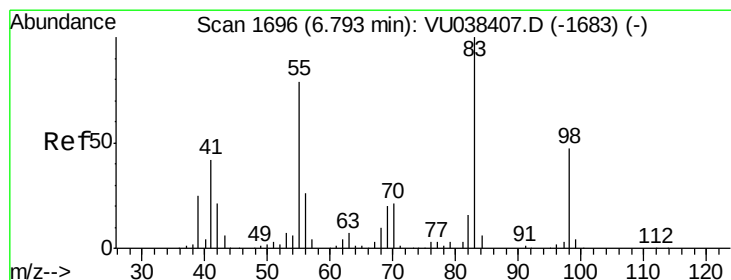
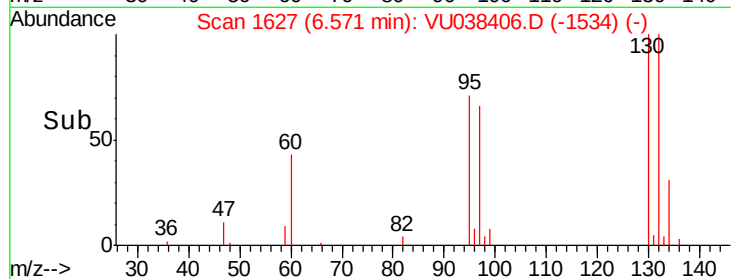
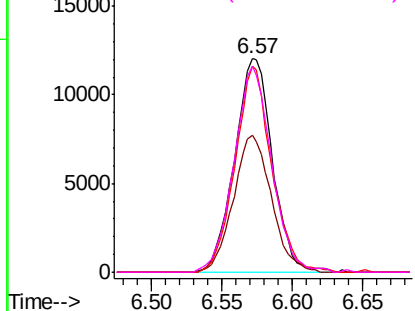
#34
 Trichloroethene
 Concen: 0.983 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	22669
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.8	87.0
132	96.8	66.1	122.7
130	96.3	70.0	130.0

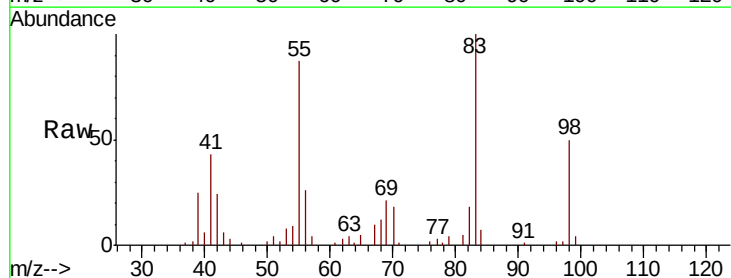


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

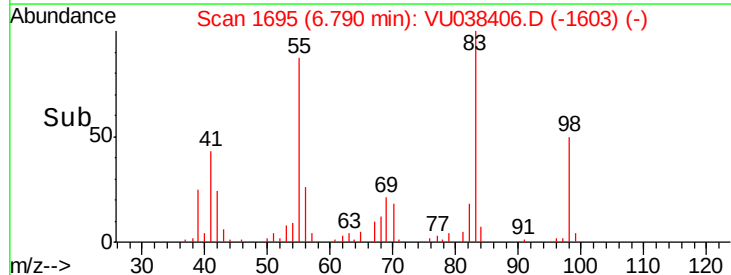
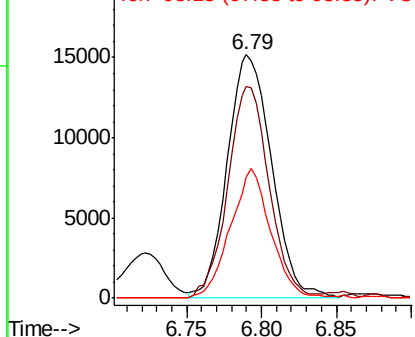


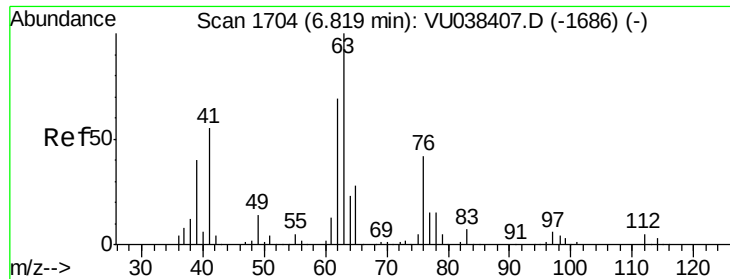
#35
 Methylcyclohexane
 Concen: 0.878 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion:	83	Resp:	31378
Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.4	95.2
98	48.2	39.0	58.4



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

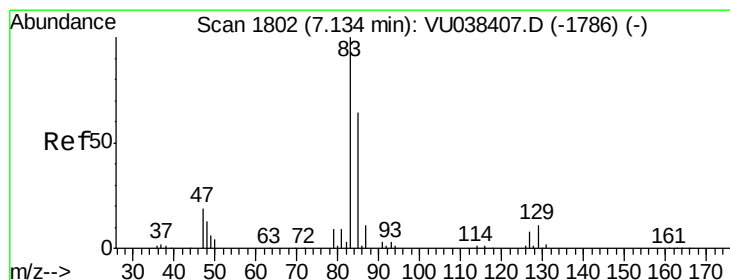
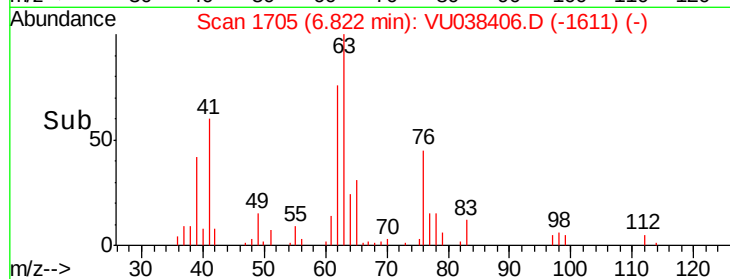
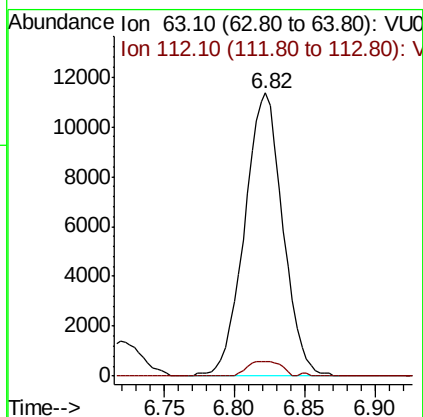
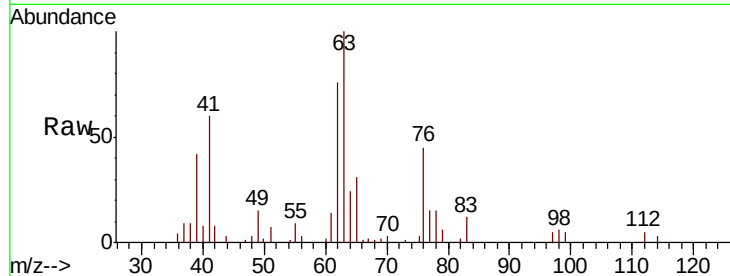




#37
 1,2-Dichloropropane
 Concen: 0.964 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

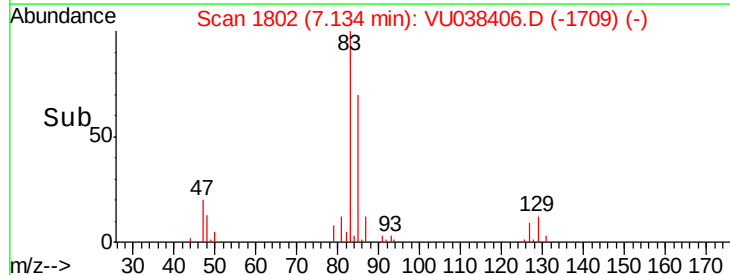
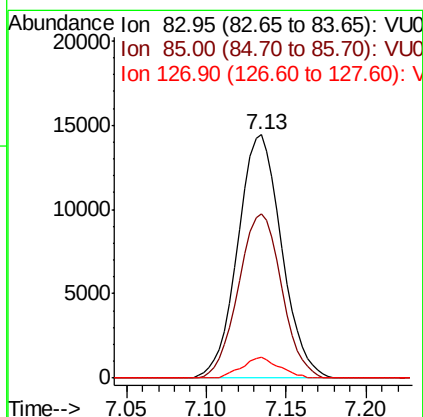
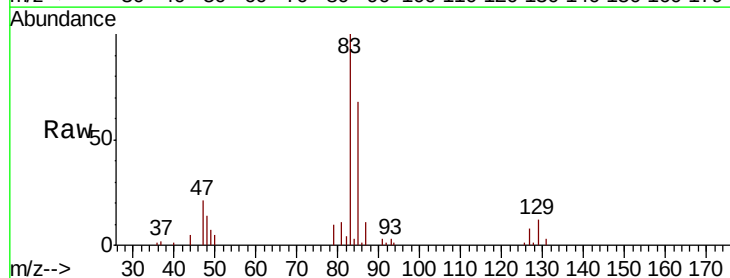
Instrument :
 MSVOA_U
 ClientSampled :

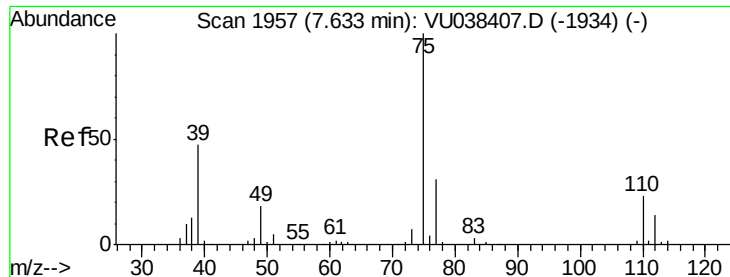
Tot Ion: 63 Resp: 21552
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#38
 Bromodichloromethane
 Concen: 0.969 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion: 83 Resp: 26927
 Ion Ratio Lower Upper
 83 100
 85 67.6 44.7 83.1
 127 8.5 6.8 10.2



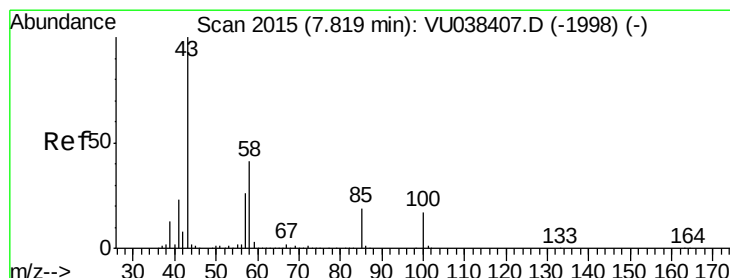
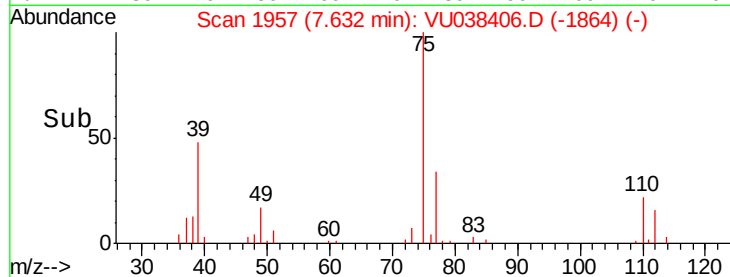
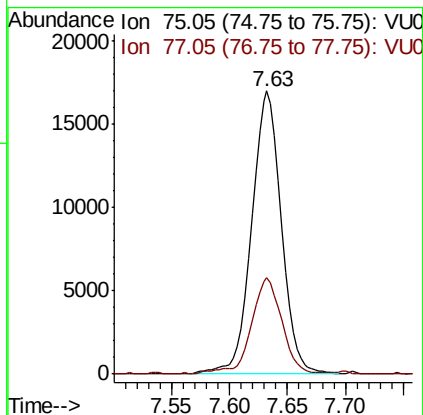
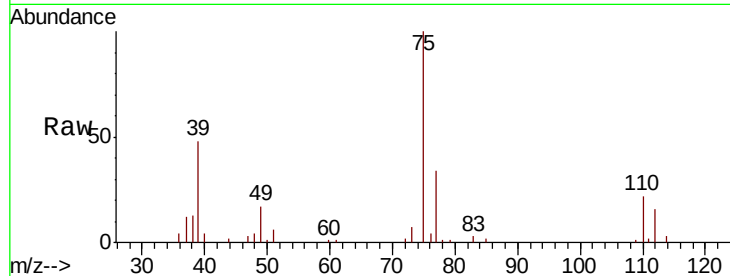


#39

cis-1,3-Dichloropropene
Concen: 0.920 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampleId :

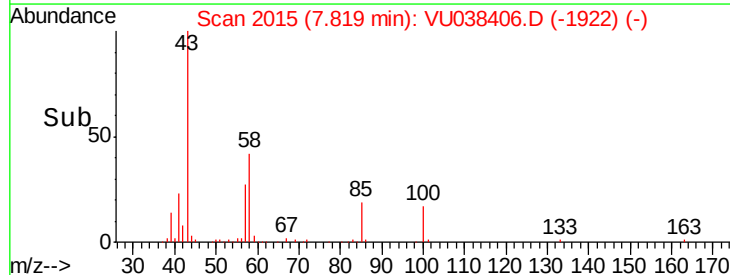
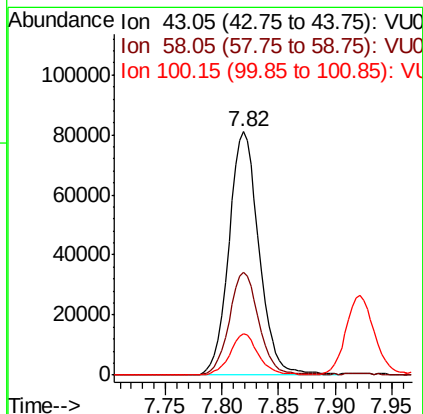
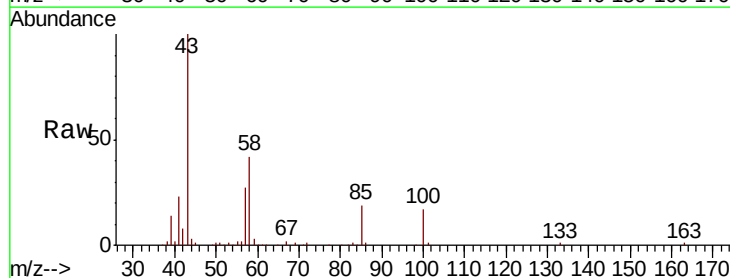
Tot Ion: 75 Resp: 30429
Ion Ratio Lower Upper
75 100
77 34.3 21.9 40.7

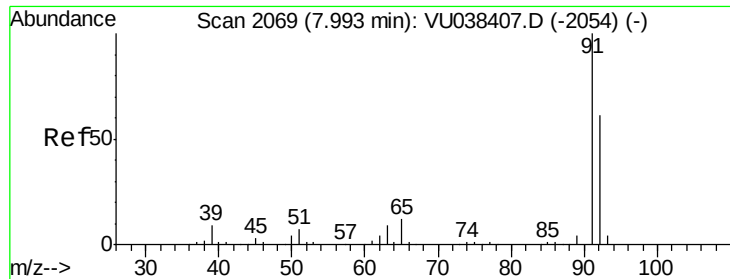


#40

4-Methyl-2-pentanone
Concen: 9.391 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 43 Resp: 150220
Ion Ratio Lower Upper
43 100
58 41.3 32.4 48.6
100 16.1 13.3 19.9





#42

Toluene

Concen: 0.983 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

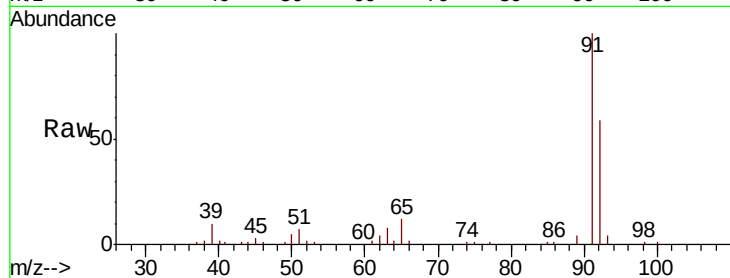
ClientSampled :

Tot Ion: 91 Resp: 91679

Ion Ratio Lower Upper

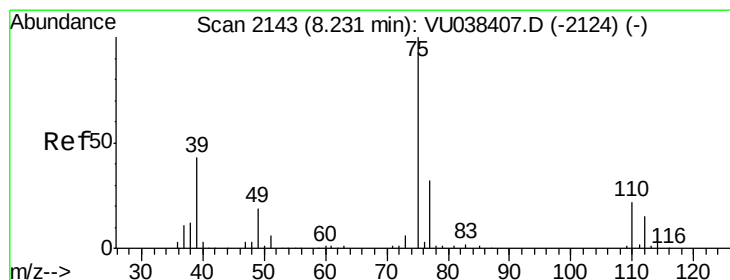
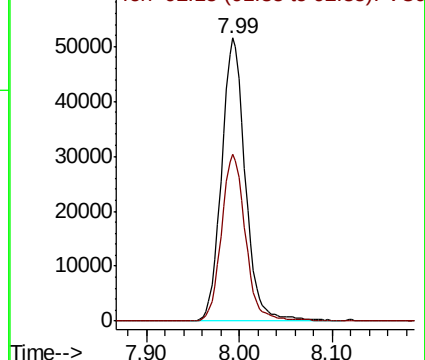
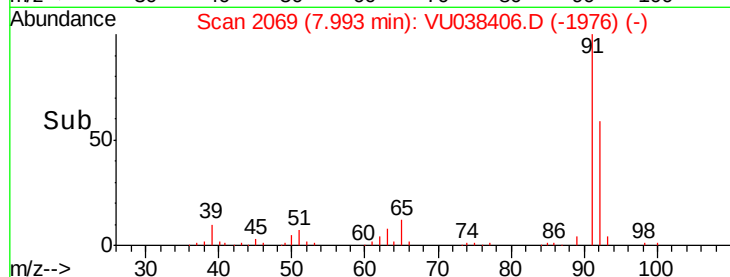
91 100

92 58.8 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038407.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038406.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.930 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038406.D

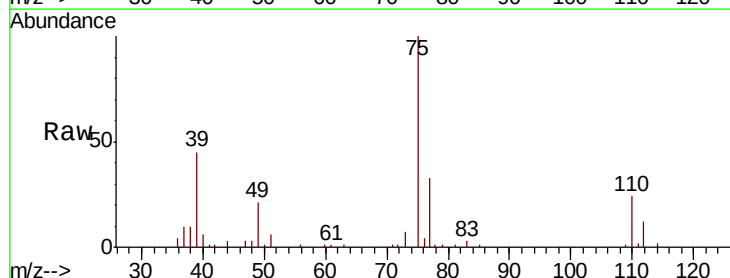
Acq: 30 May 2020 11:36

Tgt Ion: 75 Resp: 27159

Ion Ratio Lower Upper

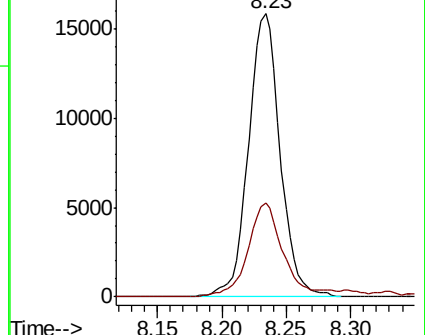
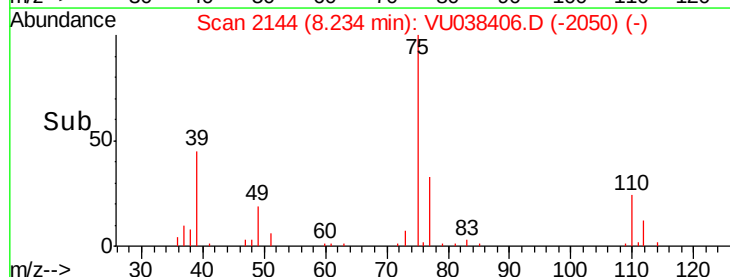
75 100

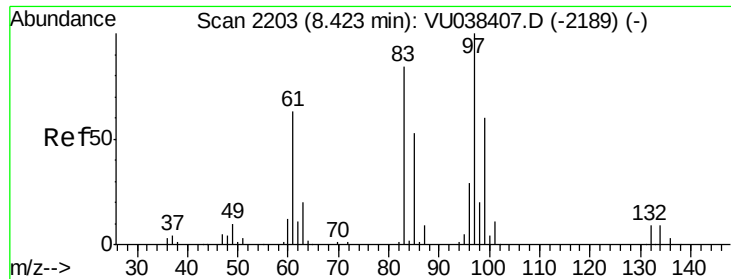
77 33.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038407.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038406.D (-2050) (-)

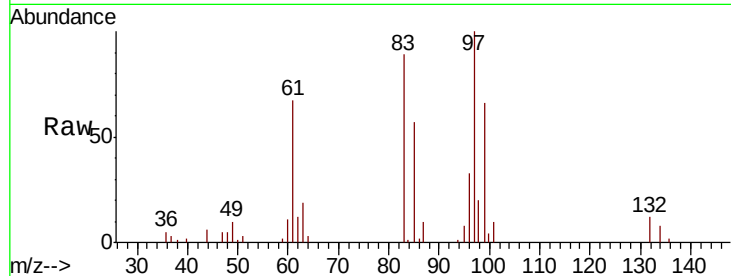




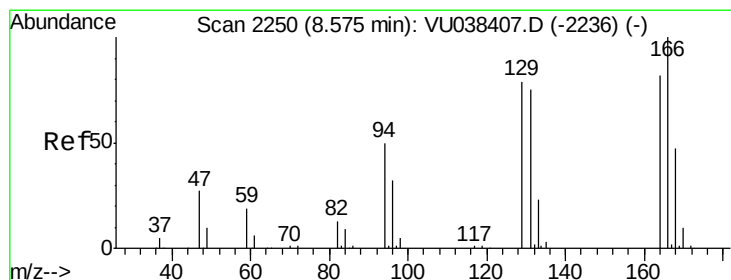
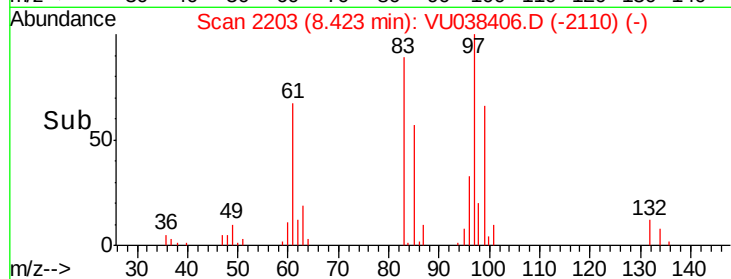
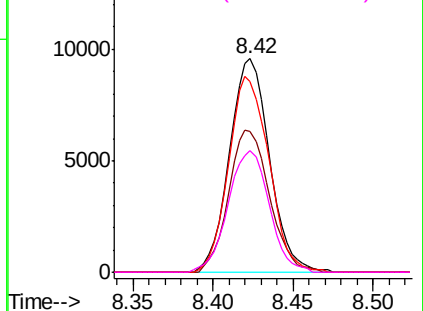
#45
 1,1,2-Trichloroethane
 Concen: 0.968 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	16333
Ion	Ratio	Lower	Upper
97	100		
99	65.9	42.1	78.1
83	89.4	58.8	109.2
85	56.8	37.4	69.4

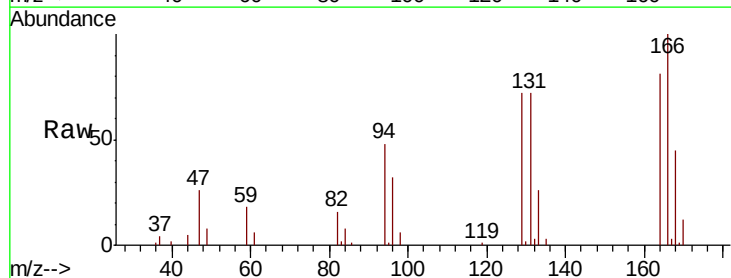


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

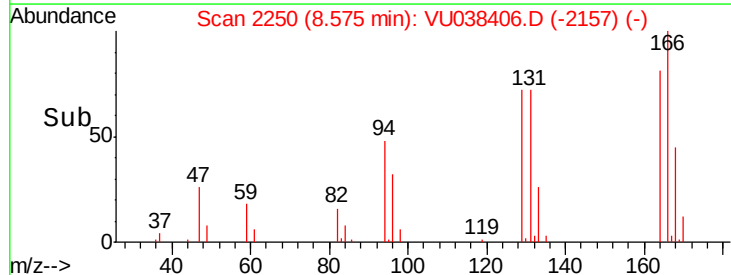
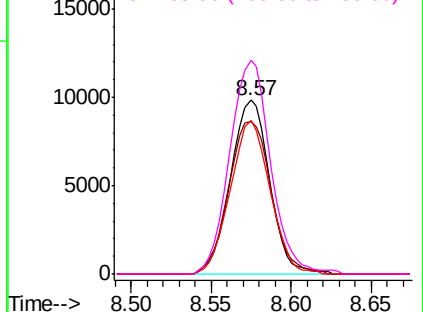


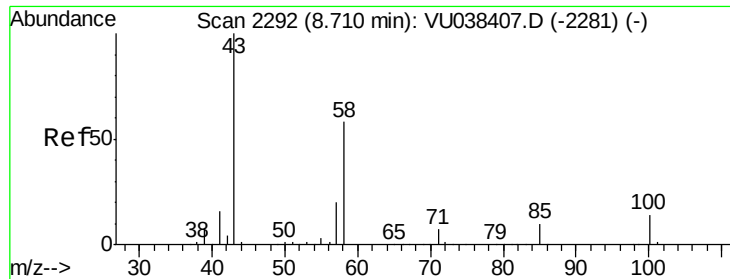
#47
 Tetrachloroethene
 Concen: 0.979 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion:	164	Resp:	16412
Ion	Ratio	Lower	Upper
164	100		
129	87.9	67.4	125.2
131	88.4	64.1	119.1
166	122.8	85.7	159.1



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

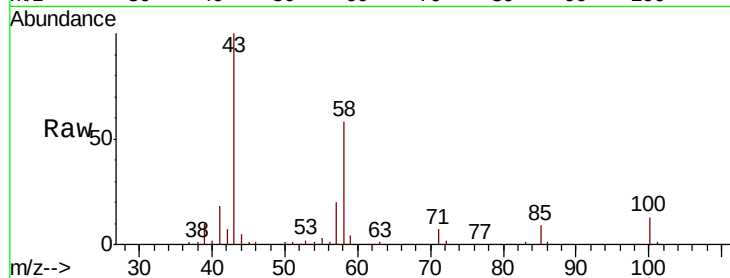




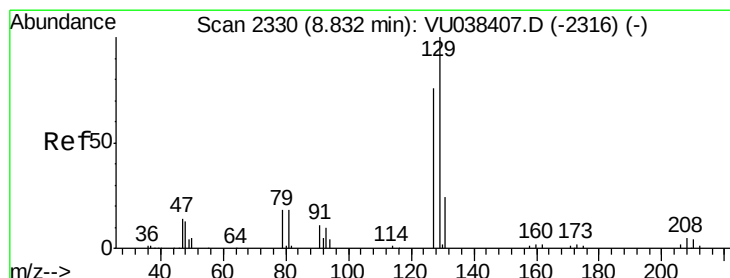
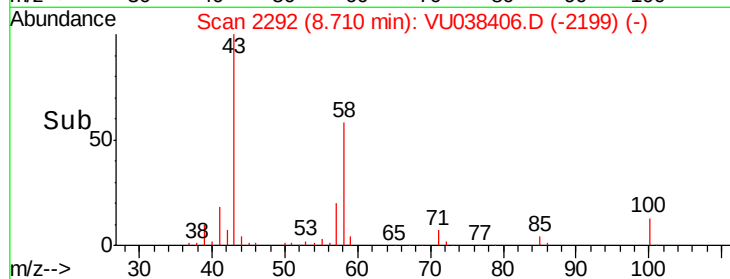
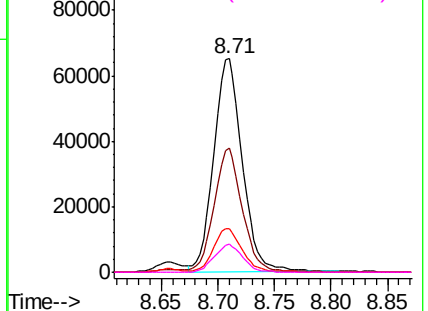
#48
2-Hexanone
Concen: 9.432 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 114271
Ion Ratio Lower Upper
43 100
58 56.5 45.4 68.0
57 20.6 15.9 23.9
100 12.9 10.5 15.7

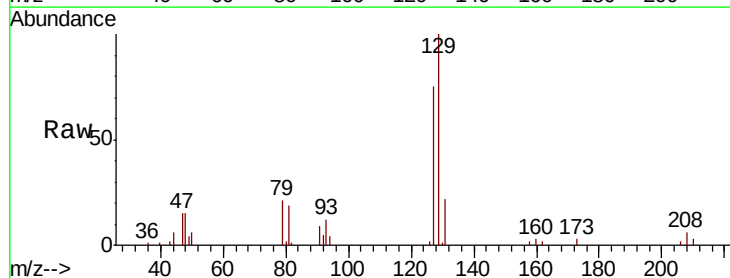


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

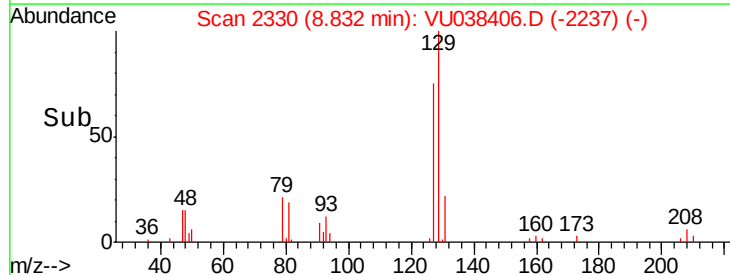
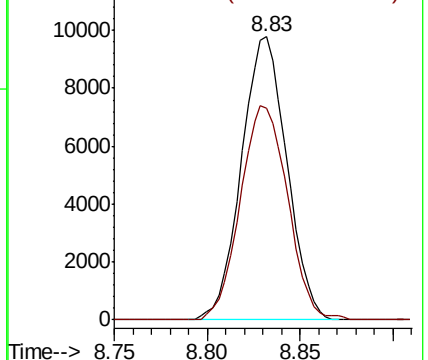


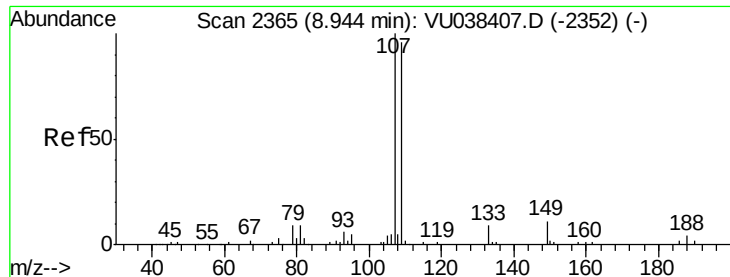
#49
Dibromochloromethane
Concen: 0.912 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion: 129 Resp: 16618
Ion Ratio Lower Upper
129 100
127 75.0 53.3 99.1



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

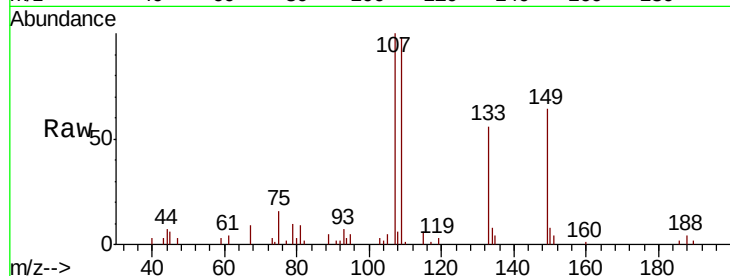




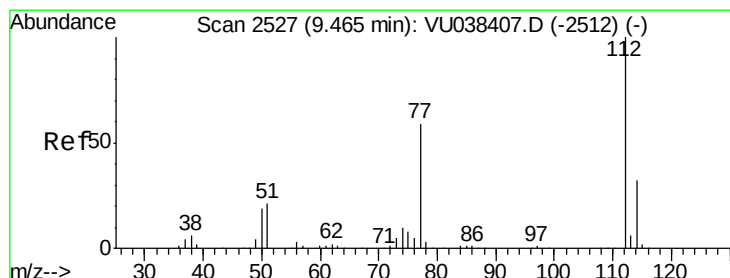
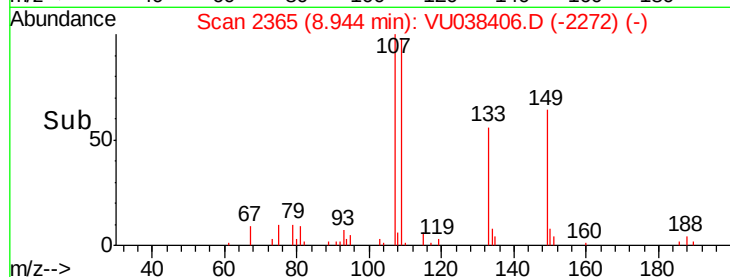
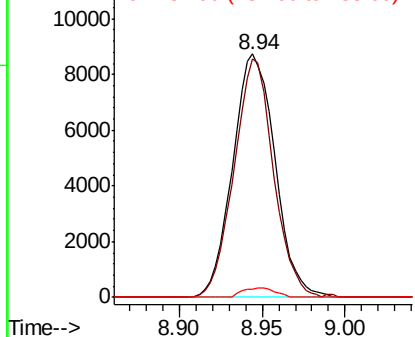
#50
 1,2-Dibromoethane
 Concen: 0.960 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:107 Resp: 15520
 Ion Ratio Lower Upper
 107 100
 109 98.0 67.0 124.4
 188 3.6 3.0 4.4

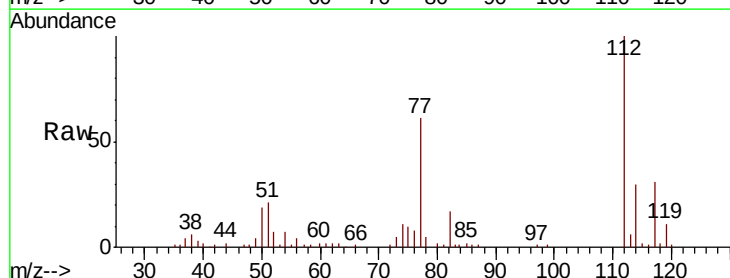


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

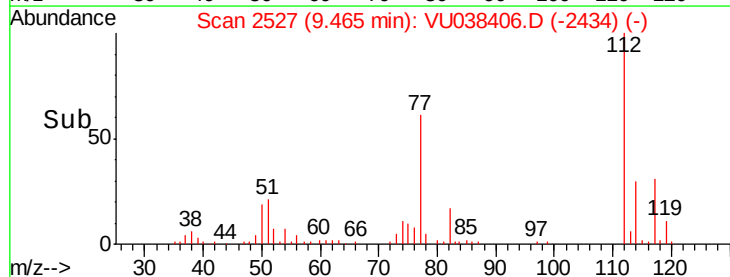
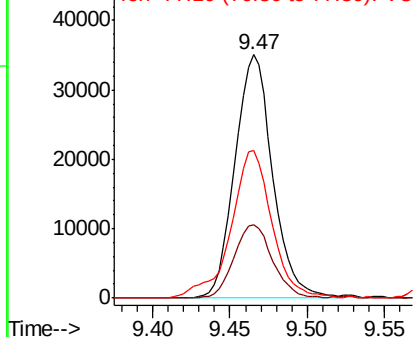


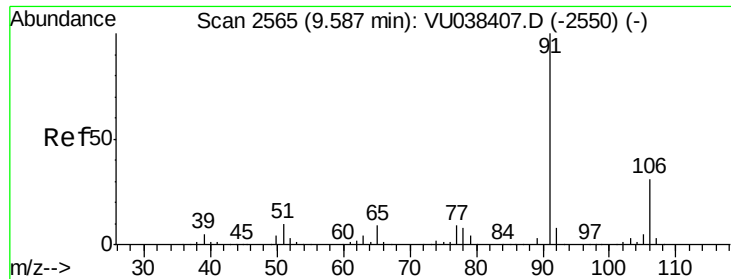
#51
 Chlorobenzene
 Concen: 0.988 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion:112 Resp: 59395
 Ion Ratio Lower Upper
 112 100
 114 30.3 22.4 41.6
 77 60.7 47.1 70.7



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: 0.943 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

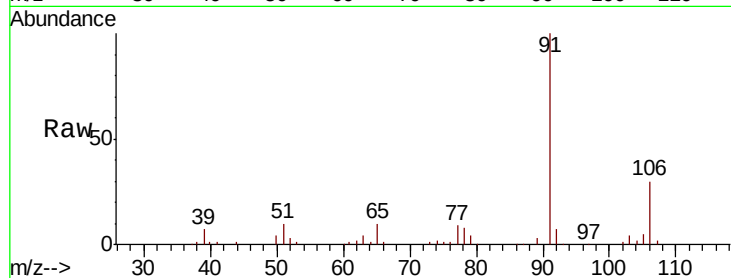
ClientSampleId :

Tot Ion: 91 Resp: 97806

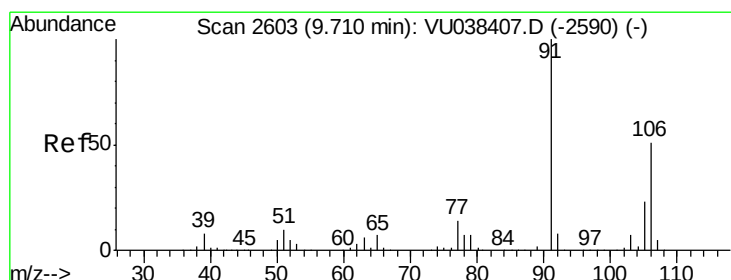
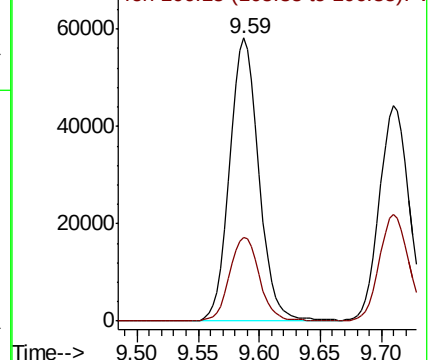
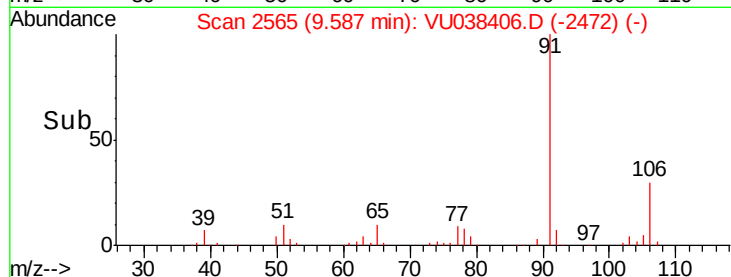
Ion Ratio Lower Upper

91 100

106 29.7 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038406.D (-2472) (-)



#53

m,p-Xylene

Concen: 0.928 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038406.D

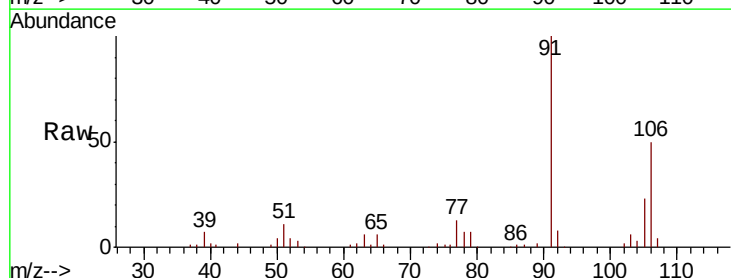
Acq: 30 May 2020 11:36

Tgt Ion: 106 Resp: 37022

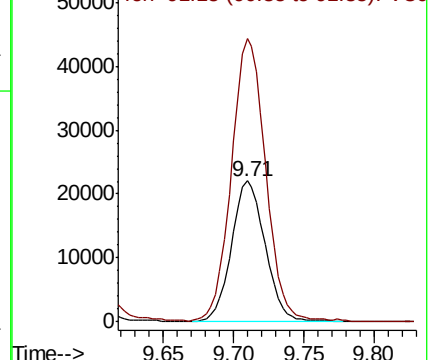
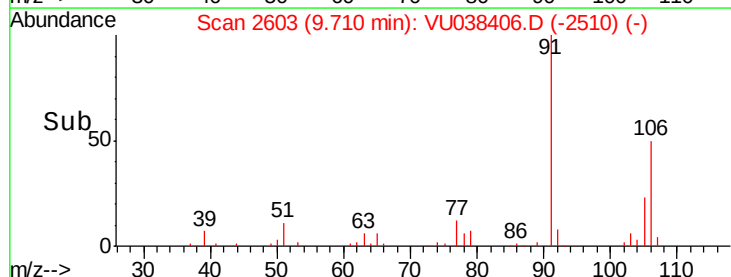
Ion Ratio Lower Upper

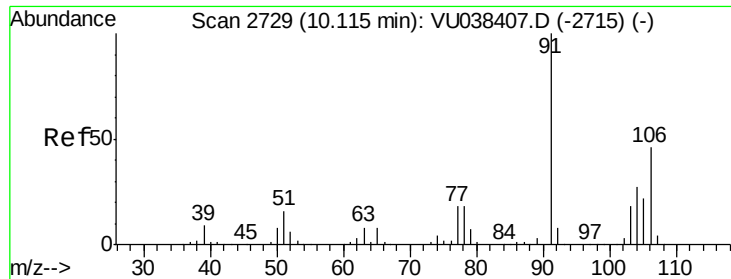
106 100

91 201.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038406.D (-2510) (-)

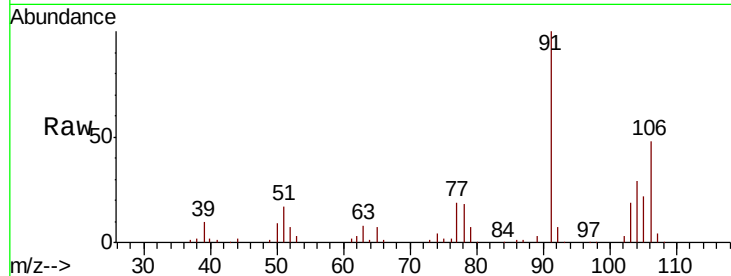




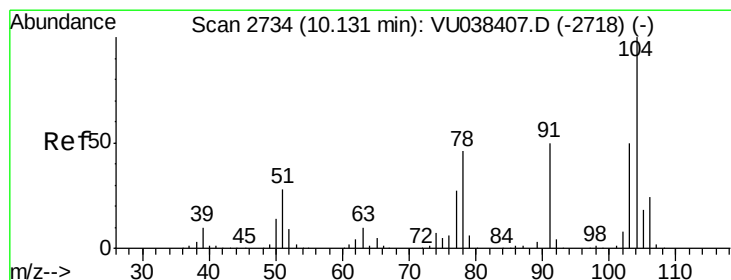
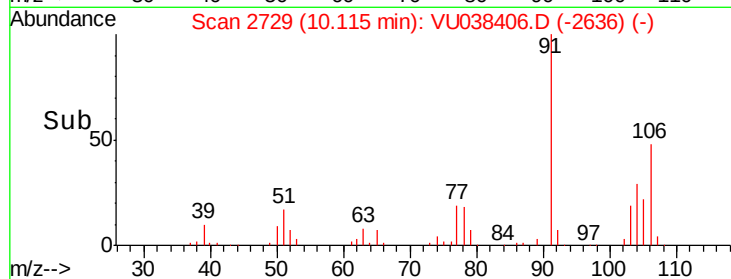
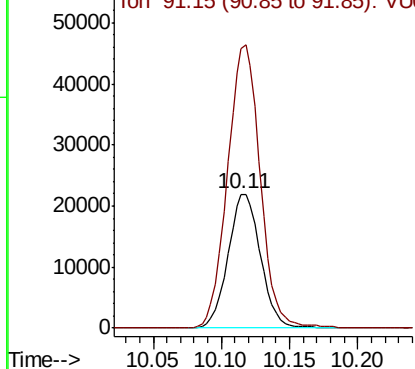
#54
o-Xylene
Concen: 0.947 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 36272
Ion Ratio Lower Upper
106 100
91 208.7 150.6 279.8

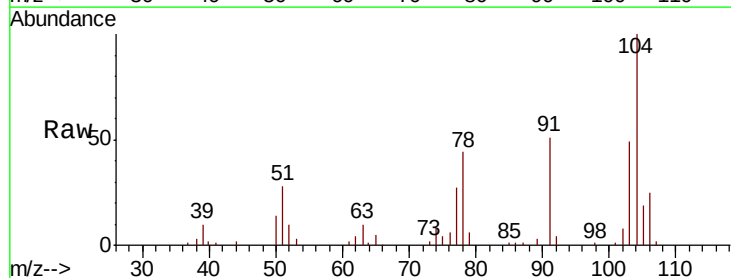


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

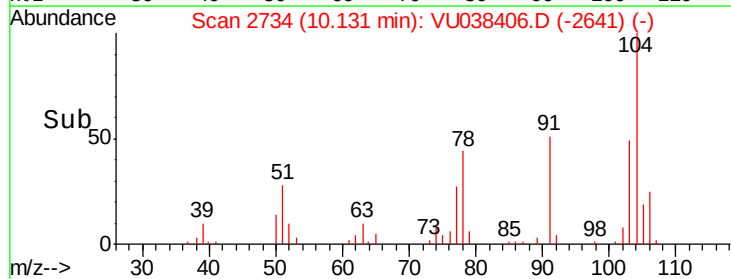
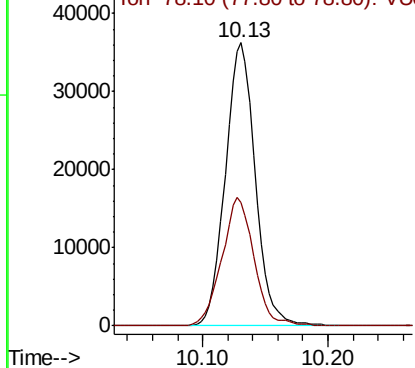


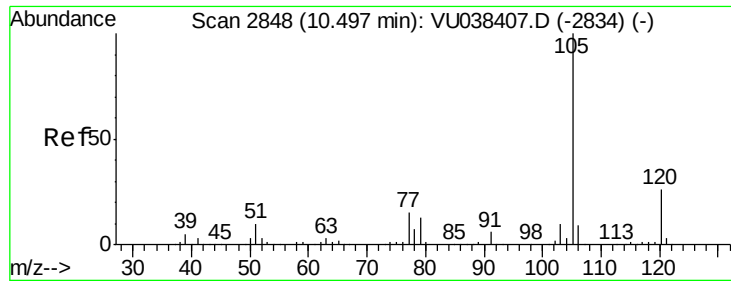
#55
Styrene
Concen: 0.922 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038406.D
Acq: 30 May 2020 11:36

Tgt Ion:104 Resp: 59910
Ion Ratio Lower Upper
104 100
78 43.7 31.9 59.3



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





#56

Isopropylbenzene

Concen: 0.943 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

ClientSampled :

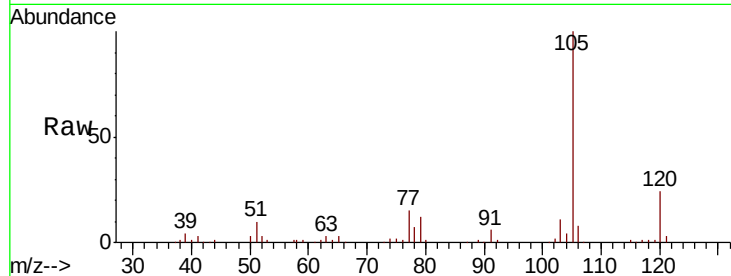
Tot Ion:105 Resp: 95072

Ion Ratio Lower Upper

105 100

120 24.8 20.7 31.1

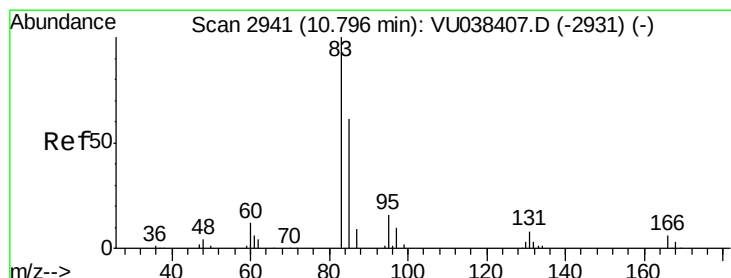
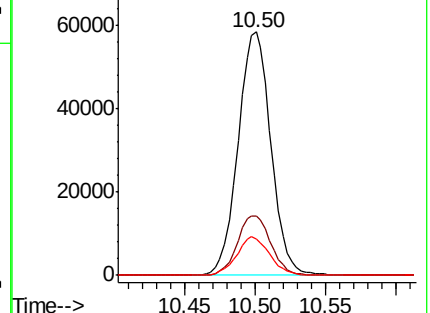
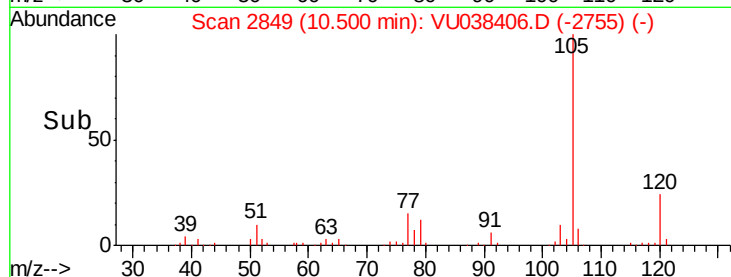
77 15.9 12.5 18.7



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: 0.965 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

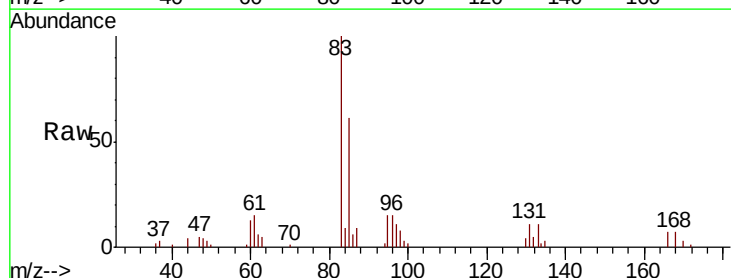
Tgt Ion: 83 Resp: 20691

Ion Ratio Lower Upper

83 100

85 61.0 44.2 82.0

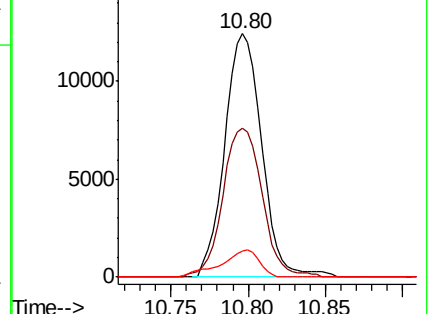
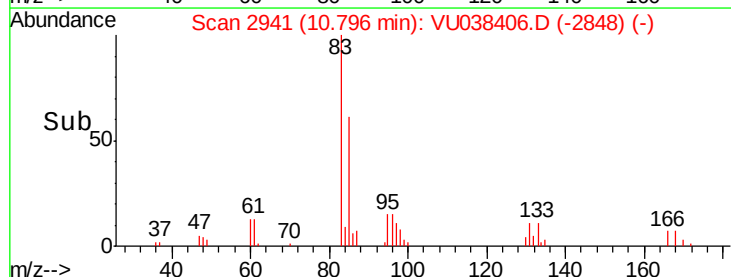
131 10.8 8.1 12.1

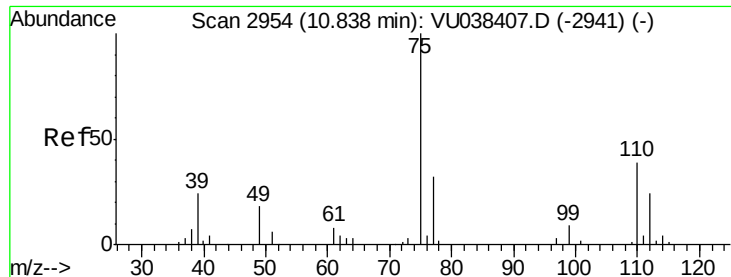


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.956 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

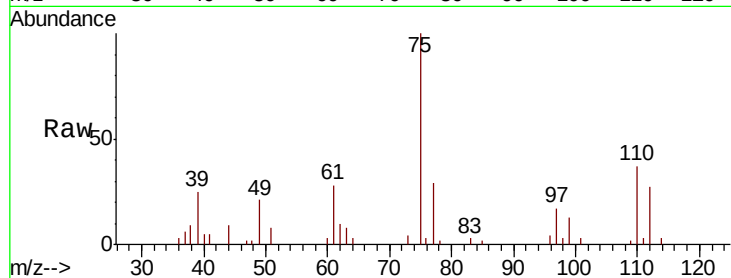
ClientSampled :

Tot Ion: 75 Resp: 15964

Ion Ratio Lower Upper

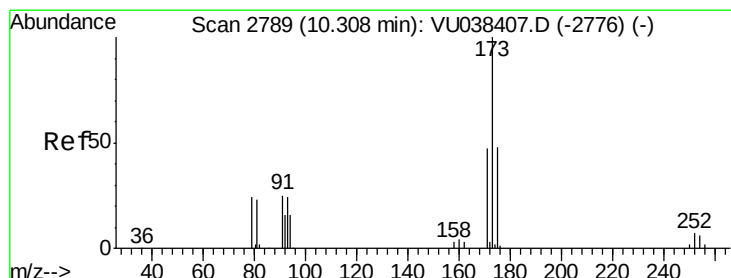
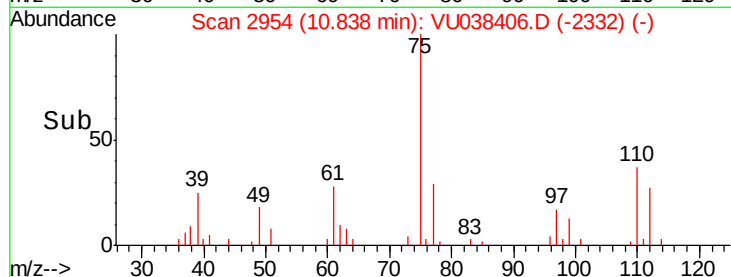
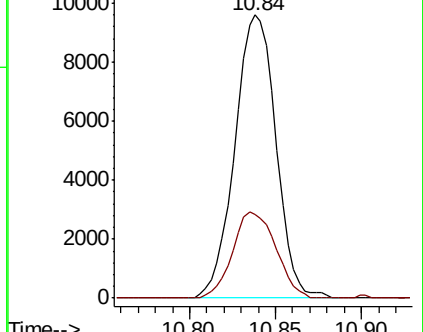
75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038406.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU038406.D (-2332) (-)



#61

Bromoform

Concen: 0.957 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

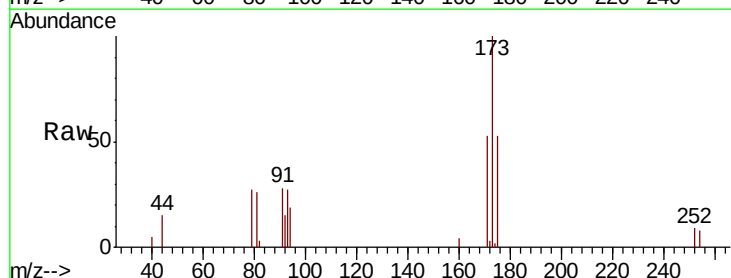
Tgt Ion: 173 Resp: 9596

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

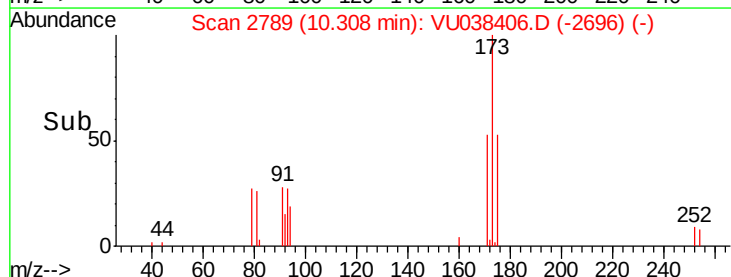
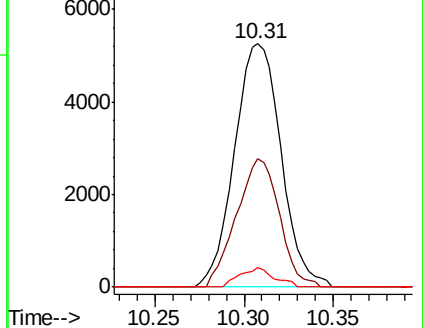
254 5.9 5.4 8.2

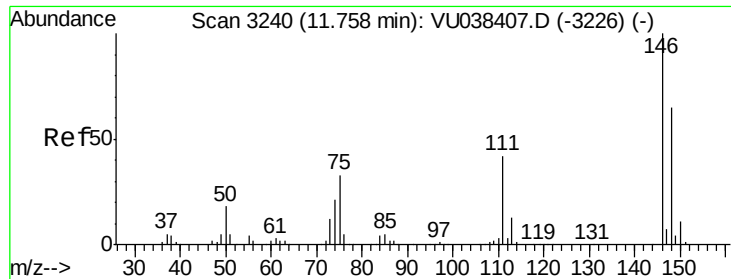


Abundance Ion 172.90 (172.60 to 173.60): VU038406.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU038406.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU038406.D (-2696) (-)

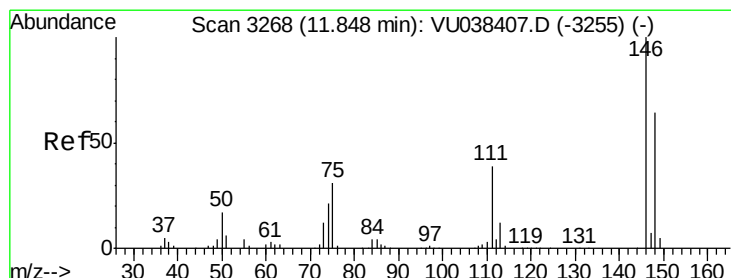
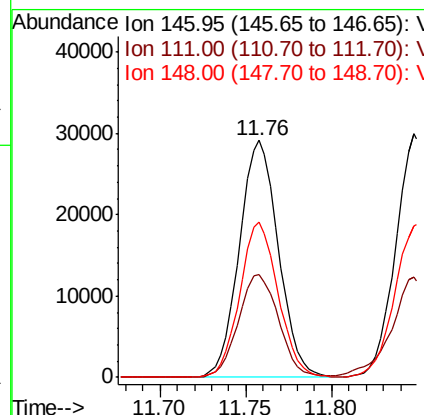
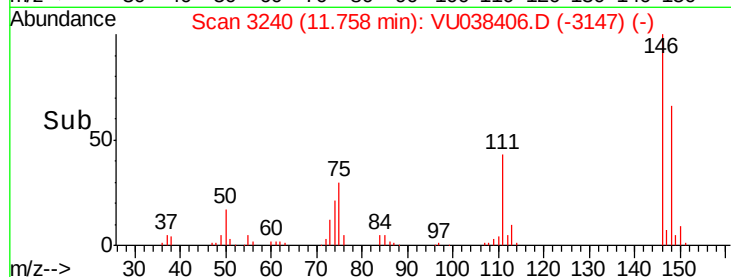
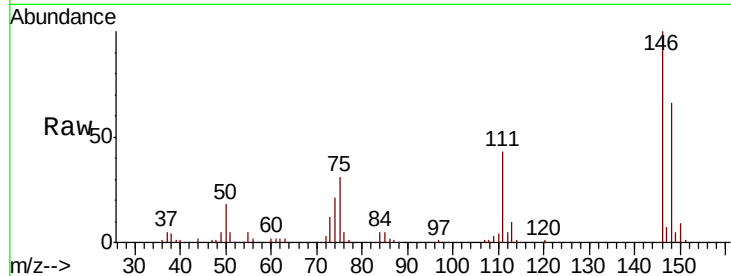




#62
 1,3-Dichlorobenzene
 Concen: 0.970 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

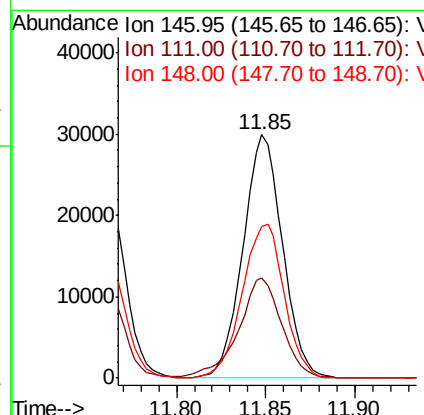
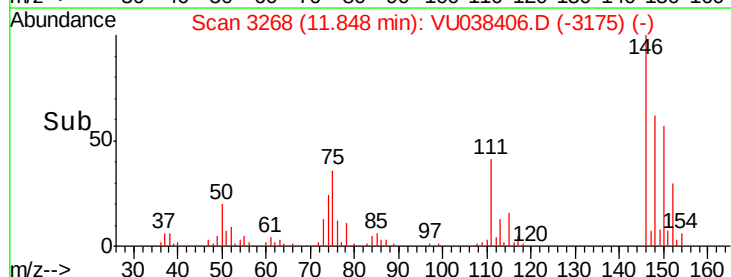
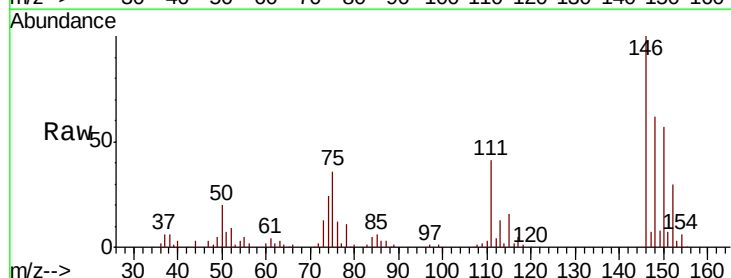
Instrument :
 MSVOA_U
 ClientSampleId :

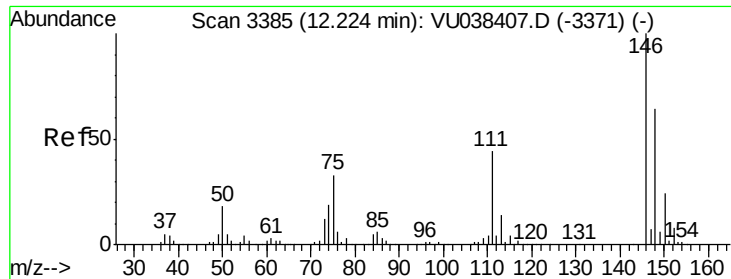
Tot Ion:146 Resp: 45881
 Ion Ratio Lower Upper
 146 100
 111 43.3 29.5 54.9
 148 65.5 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 0.968 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion:146 Resp: 46417
 Ion Ratio Lower Upper
 146 100
 111 41.2 27.6 51.2
 148 62.1 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 0.990 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

ClientSampleId :

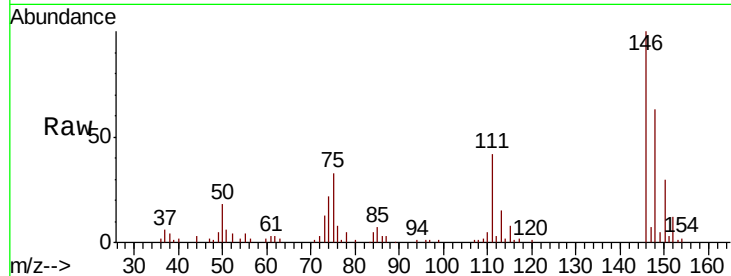
Tot Ion:146 Resp: 44471

Ion Ratio Lower Upper

146 100

111 42.4 35.1 52.7

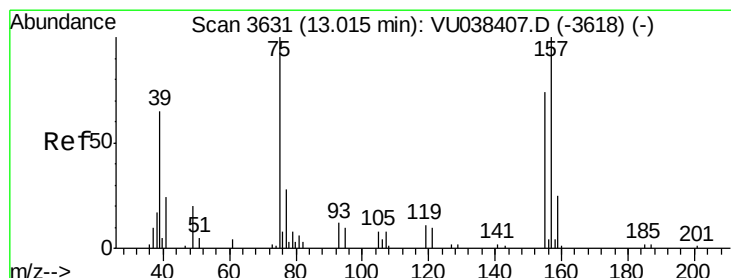
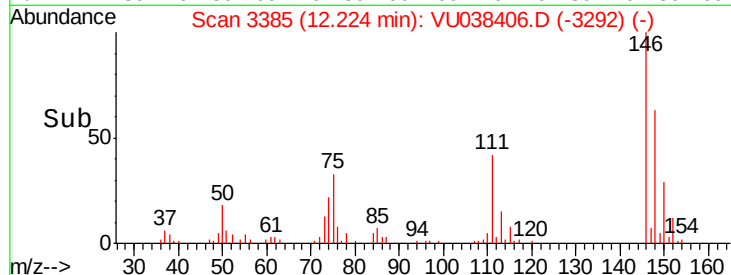
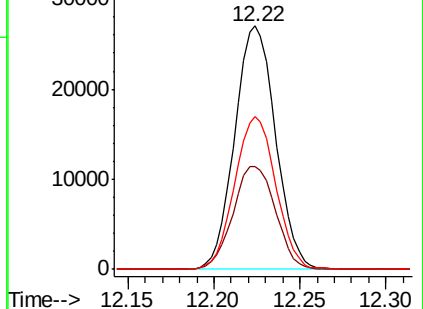
148 62.9 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.907 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

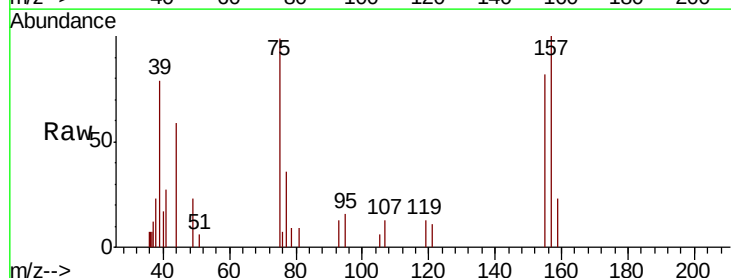
Tgt Ion: 75 Resp: 3300

Ion Ratio Lower Upper

75 100

155 83.0 59.6 89.4

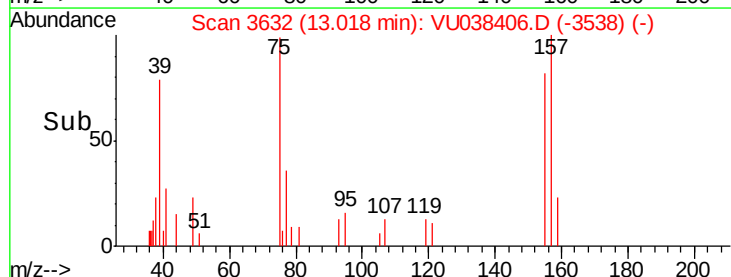
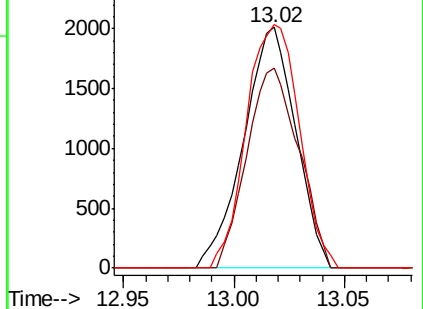
157 101.2 79.8 119.6

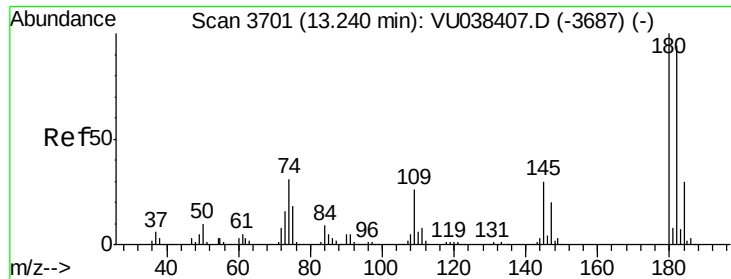


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

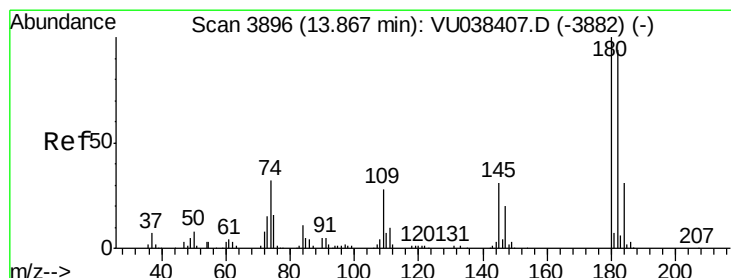
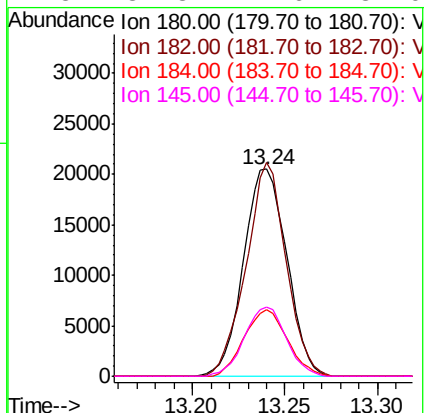
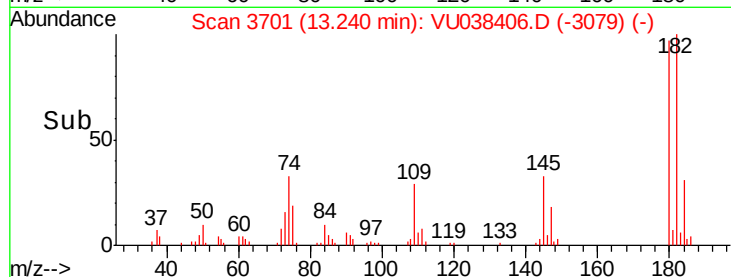
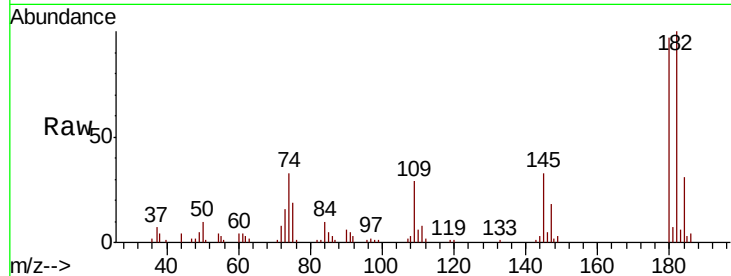




#67
 1,3,5-Trichlorobenzene
 Concen: 0.942 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

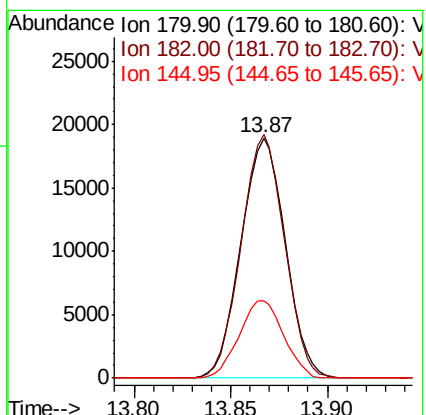
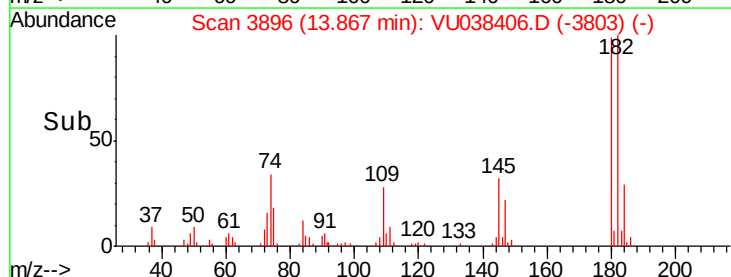
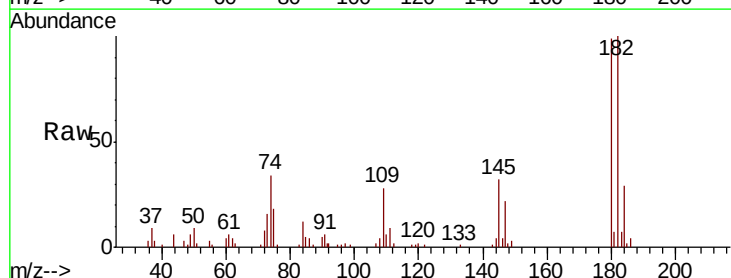
Instrument :
 MSVOA_U
 ClientSampleId :

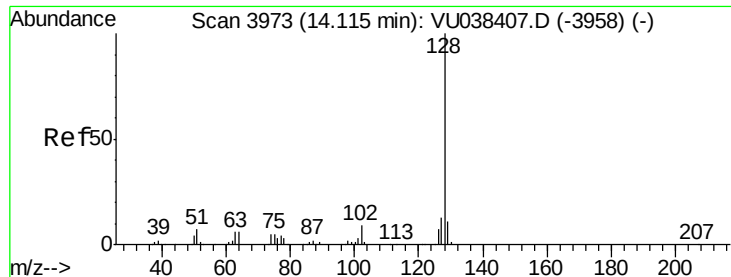
Tot Ion:	180	Resp:	33262
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
184	32.2	25.1	37.7
145	32.3	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.924 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038406.D
 Acq: 30 May 2020 11:36

Tgt Ion:	180	Resp:	30185
Ion	Ratio	Lower	Upper
180	100		
182	99.4	75.8	113.8
145	32.3	25.3	37.9





#69

Naphthalene

Concen: 0.866 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

Instrument :

MSVOA_U

ClientSampleId :

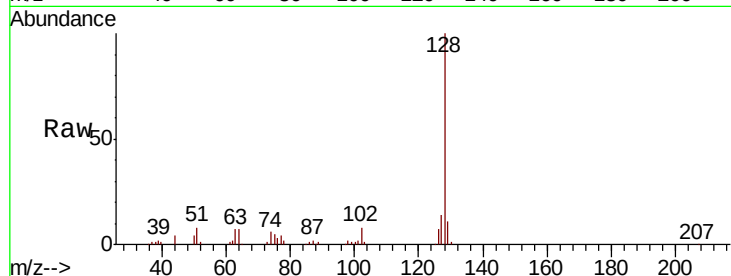
Tot Ion:128 Resp: 56304

Ion Ratio Lower Upper

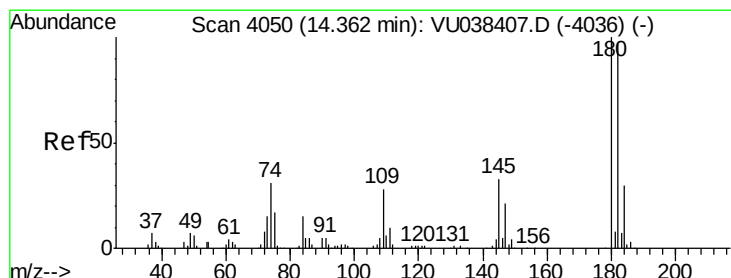
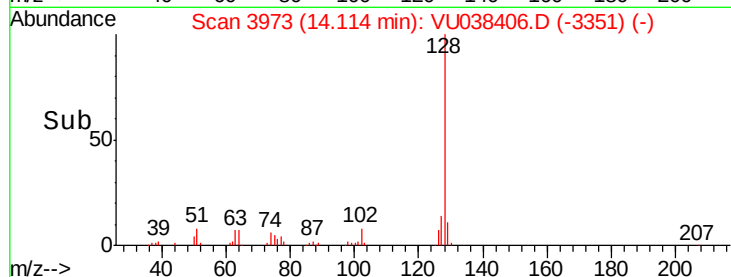
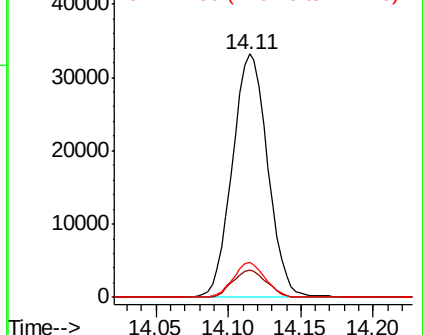
128 100

129 10.6 8.9 13.3

127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.944 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU038406.D

Acq: 30 May 2020 11:36

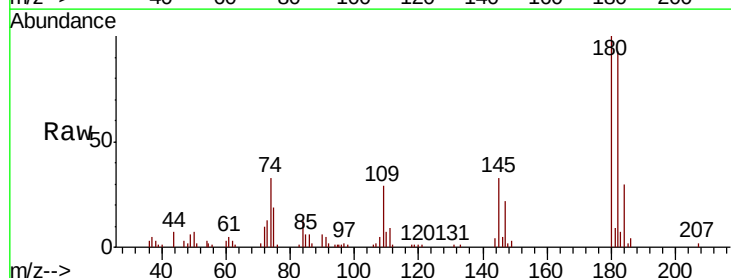
Tgt Ion:180 Resp: 28067

Ion Ratio Lower Upper

180 100

182 93.8 78.7 118.1

145 33.4 27.5 41.3



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

