

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037721.D
 Acq On : 15 Apr 2020 00:48
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 15 03:07:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 15 03:02:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	265000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	131165	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	104767	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	89160	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.59	63	183654	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.00%
20) 2-Butanone-d5	4.66	46	316313	55.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.30%
24) Chloroform-d	5.10	84	172388	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.74	65	100079	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.76	84	363317	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.72	67	121880	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.92	98	326020	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.20	79	52854	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.65	63	280403	52.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95057	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	116422	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	114005	4.762	ug/L 99
3) Chloromethane	1.53	50	119967	4.053	ug/L 99
5) Vinyl chloride	1.62	62	137553	4.730	ug/L 96
6) Bromomethane	1.87	94	38538	2.308	ug/L 99
8) Chloroethane	1.95	64	81706	4.785	ug/L 98
9) Trichlorofluoromethane	2.16	101	142788	4.576	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	78603	4.326	ug/L 97
12) 1,1-Dichloroethene	2.60	96	86287	4.531	ug/L 97
13) Acetone	2.65	43	170103	44.982	ug/L 97
14) Carbon disulfide	2.82	76	310721	4.468	ug/L 99
15) Methyl Acetate	2.98	43	48743	4.636	ug/L 99
16) Methylene chloride	3.08	84	98353	4.581	ug/L 97
17) Methyl tert-butyl Ether	3.40	73	256213	4.646	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	94667	4.585	ug/L 96
19) 1,1-Dichloroethane	3.91	63	192098	4.810	ug/L 98
21) 2-Butanone	4.75	43	324891	47.286	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	103513	4.640	ug/L 94

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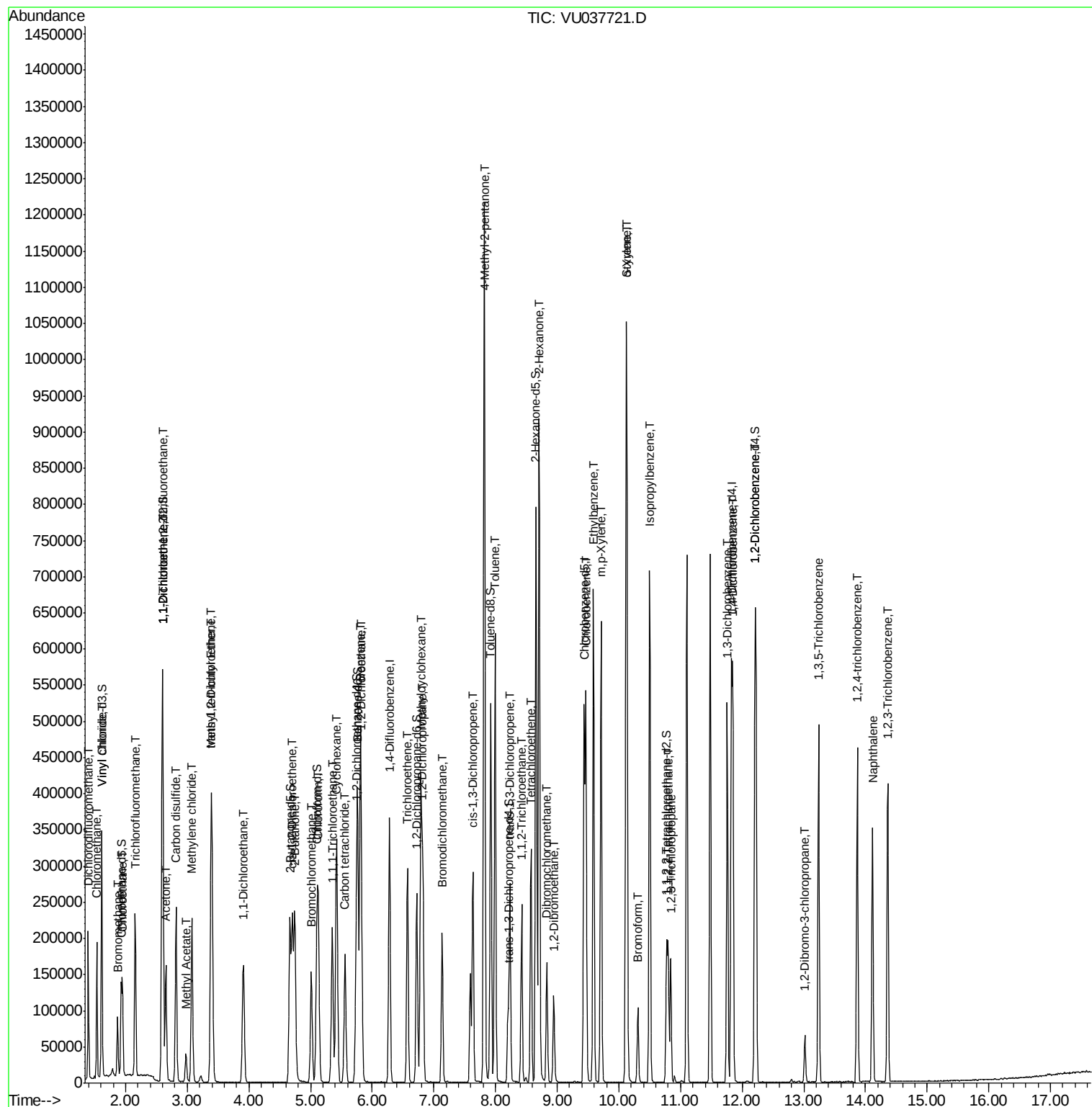
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	42832	4.530	ug/L	97
25) Chloroform	5.12	83	182827	4.819	ug/L	99
27) 1,2-Dichloroethane	5.83	62	123317	4.809	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	152798	4.752	ug/L	99
30) Cyclohexane	5.42	56	176440	4.433	ug/L	98
31) Carbon tetrachloride	5.56	117	117731	4.595	ug/L	99
33) Benzene	5.81	78	406793	4.646	ug/L	100
34) Trichloroethene	6.57	95	97893	4.549	ug/L	97
35) Methylcyclohexane	6.79	83	161364	4.279	ug/L	97
37) 1,2-Dichloropropane	6.82	63	111474	4.801	ug/L	100
38) Bromodichloromethane	7.13	83	130724	4.734	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	166889	4.591	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	815269	47.755	ug/L	98
42) Toluene	7.99	91	422638	4.608	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	143340	4.542	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	73237	4.680	ug/L	98
47) Tetrachloroethene	8.57	164	66387	4.294	ug/L	98
48) 2-Hexanone	8.71	43	581128	47.544	ug/L	99
49) Dibromochloromethane	8.83	129	80692	4.512	ug/L	97
50) 1,2-Dibromoethane	8.95	107	69457	4.616	ug/L	98
51) Chlorobenzene	9.47	112	257171	4.596	ug/L	99
52) Ethylbenzene	9.59	91	470259	4.609	ug/L	99
53) m,p-Xylene	9.71	106	178432	4.620	ug/L	98
54) o-Xylene	10.12	106	173619	4.568	ug/L	97
55) Styrene	10.13	104	295288	4.545	ug/L	97
56) Isopropylbenzene	10.50	105	450517	4.519	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	94361	4.632	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	69250	4.557	ug/L	99
61) Bromoform	10.31	173	45777	4.393	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	198256	4.513	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	200260	4.546	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	185072	4.475	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17504	4.566	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	145414	4.514	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	132494	4.481	ug/L	100
69) Naphthalene	14.11	128	268006	4.475	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	119912	4.551	ug/L	100

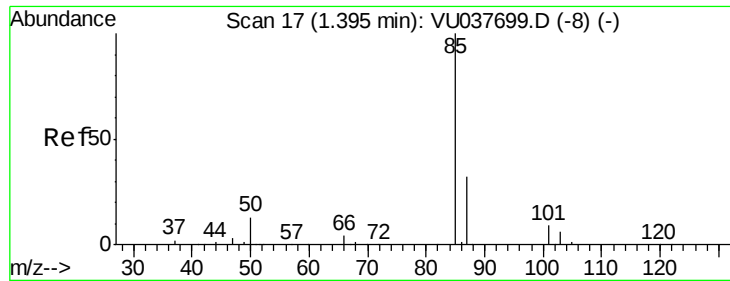
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.762 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

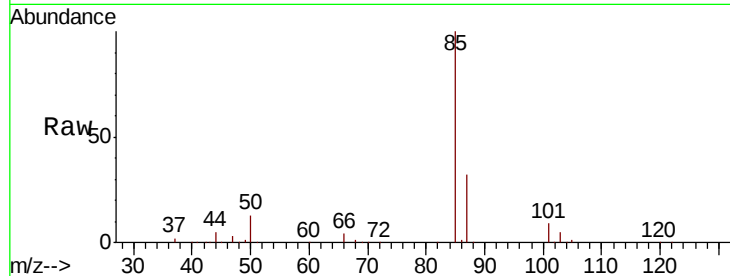
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 114005

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037721.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037721.D (-8) (-)

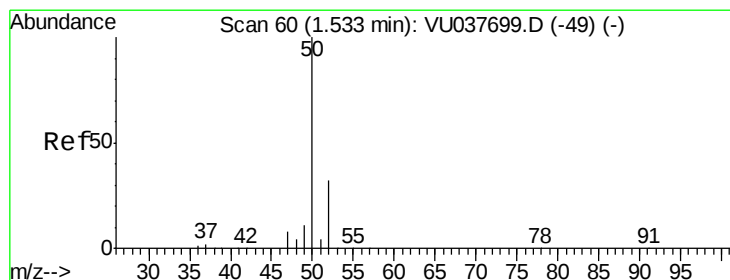
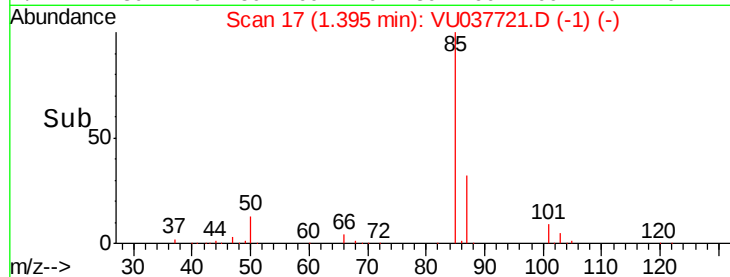
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.053 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037721.D

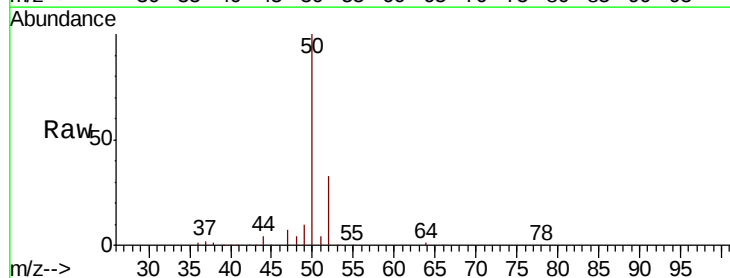
Acq: 15 Apr 2020 00:48

Tgt Ion: 50 Resp: 119967

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037721.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU037721.D (-49) (-)

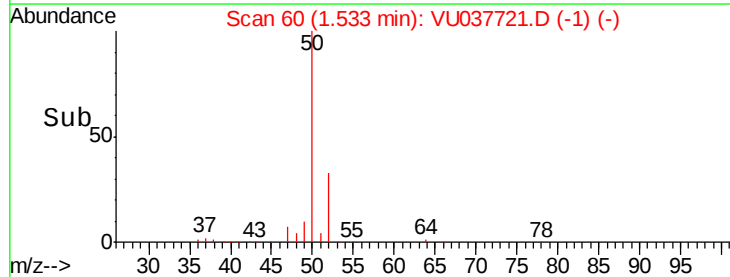
1.53

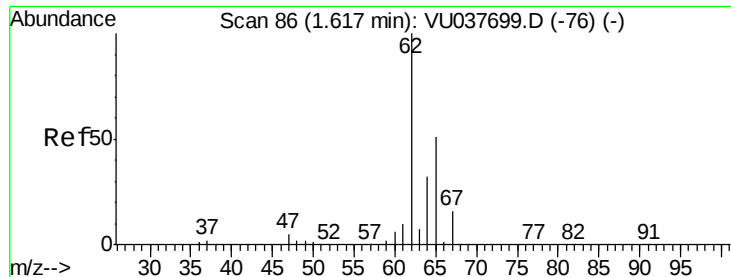
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.730 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

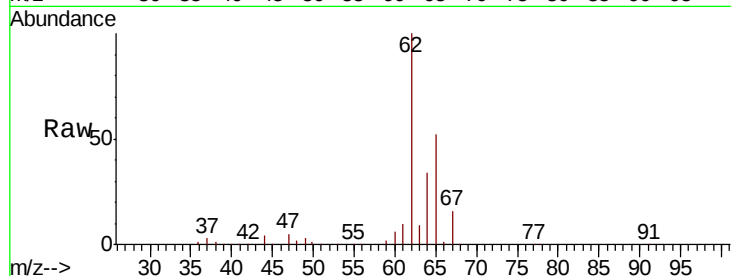
ClientSampleId :

Tot Ion: 62 Resp: 137553

Ion Ratio Lower Upper

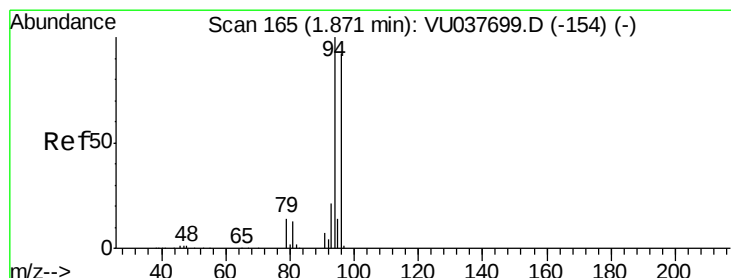
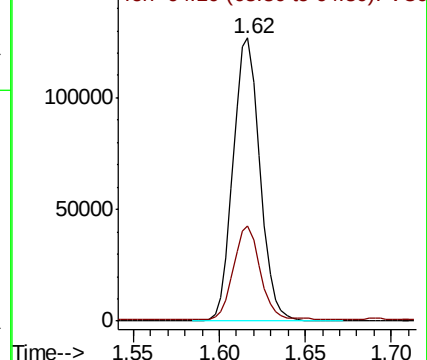
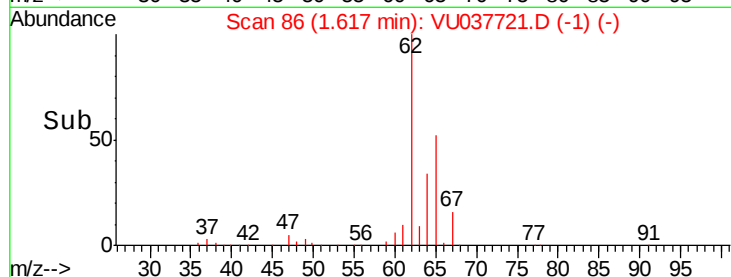
62 100

64 33.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037721.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037721.D (-1) (-)



#6

Bromomethane

Concen: 2.308 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037721.D

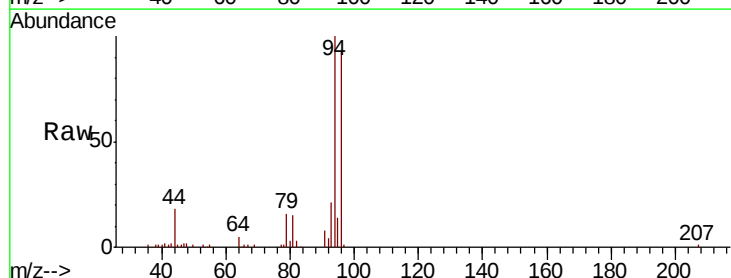
Acq: 15 Apr 2020 00:48

Tgt Ion: 94 Resp: 38538

Ion Ratio Lower Upper

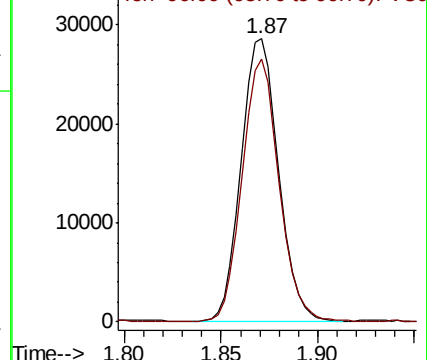
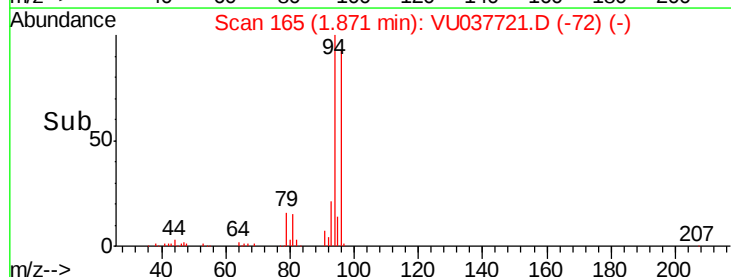
94 100

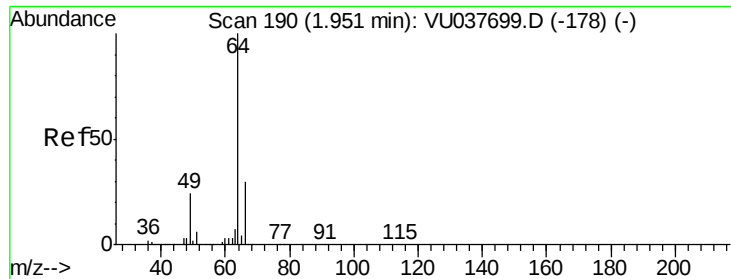
96 92.9 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037721.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037721.D (-72) (-)

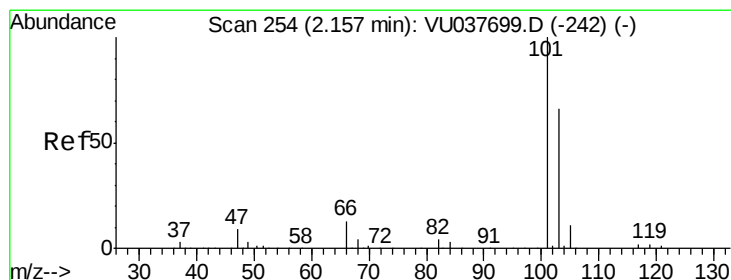
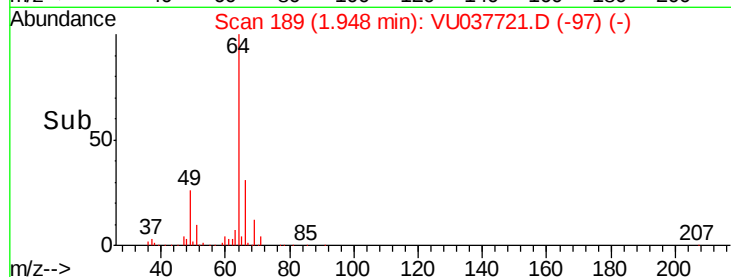
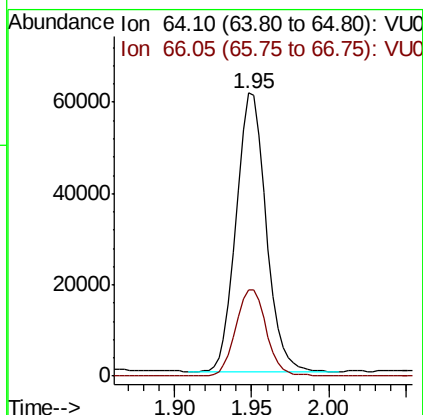
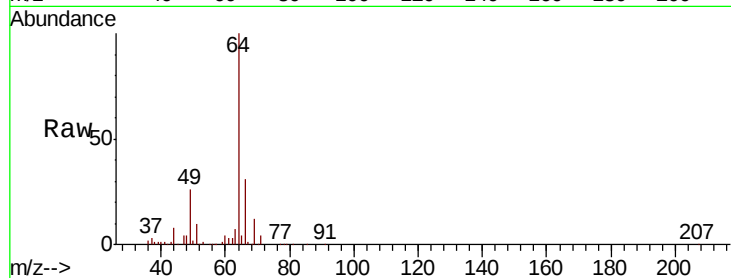




#8
Chloroethane
Concen: 4.785 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

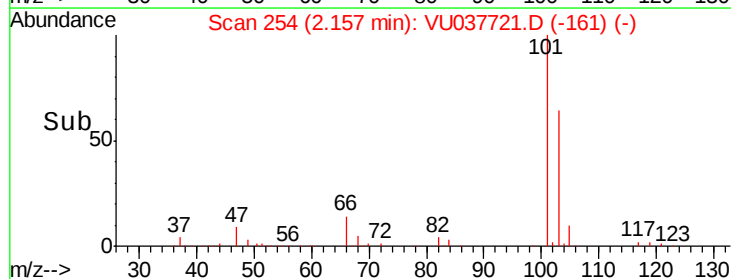
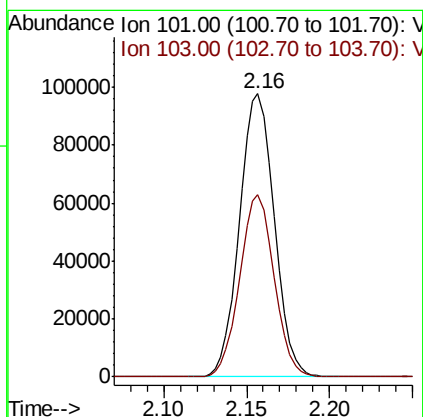
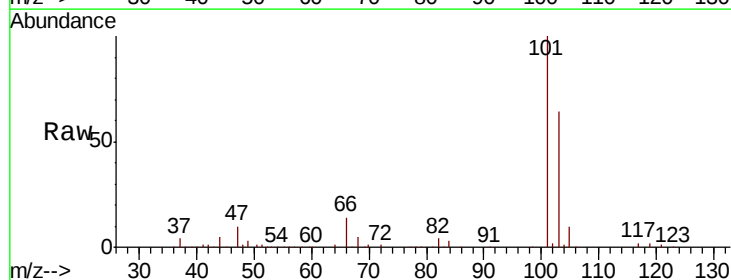
Instrument :
MSVOA_U
ClientSampleId :

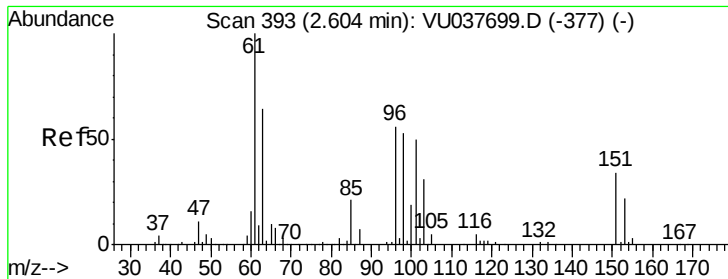
Tot Ion: 64 Resp: 81706
Ion Ratio Lower Upper
64 100
66 30.5 22.3 41.5



#9
Trichlorofluoromethane
Concen: 4.576 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion:101 Resp: 142788
Ion Ratio Lower Upper
101 100
103 63.6 51.0 76.6





#10

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

Concen: 4.326 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

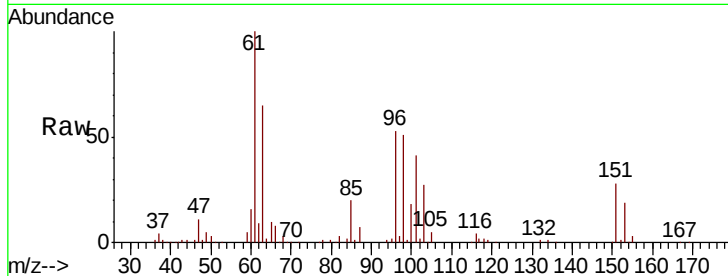
Tot Ion:101 Resp: 78603

Ion Ratio Lower Upper

101 100

85 46.0 34.5 51.7

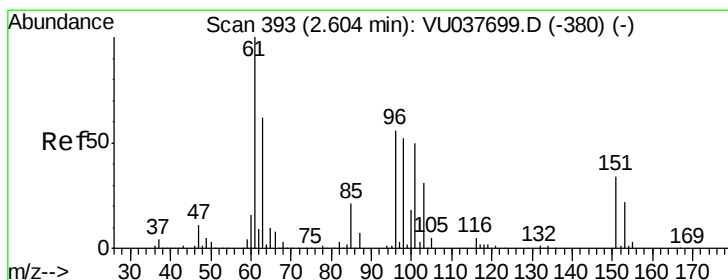
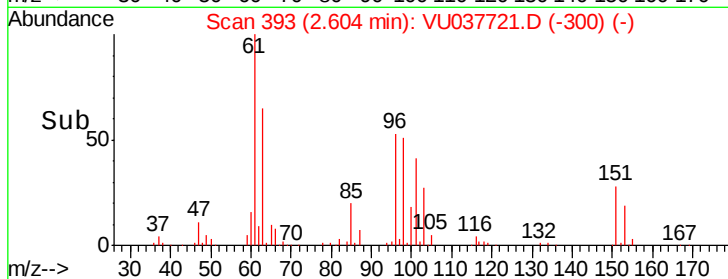
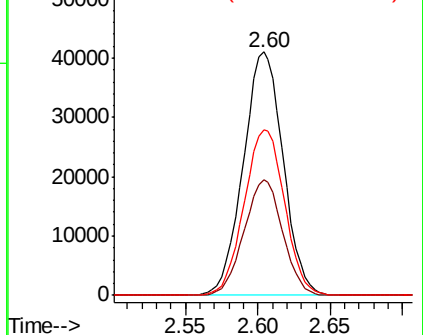
151 68.8 56.9 85.3



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: 4.531 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

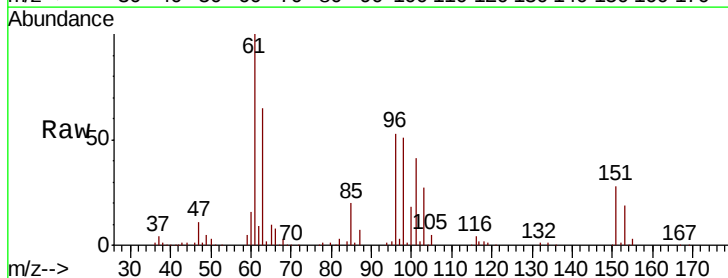
Tgt Ion: 96 Resp: 86287

Ion Ratio Lower Upper

96 100

61 189.2 127.7 237.3

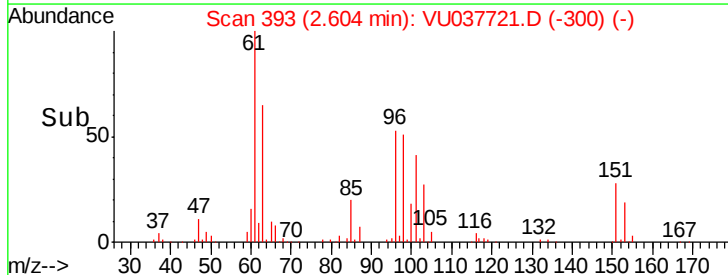
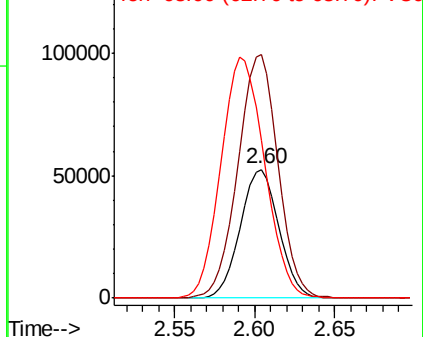
63 122.2 85.0 157.8

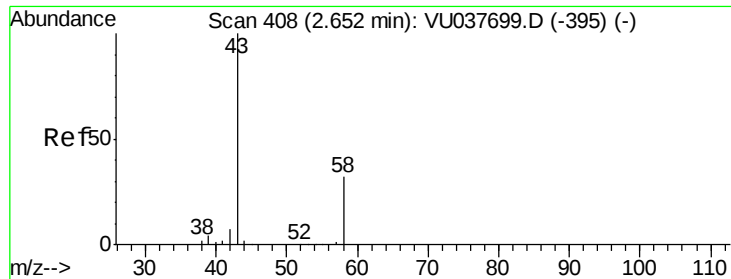


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.982 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

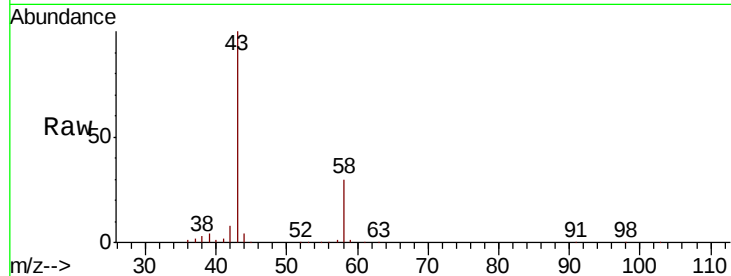
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 170103

Ion Ratio Lower Upper

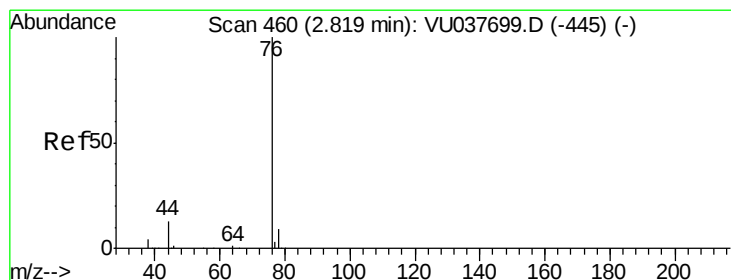
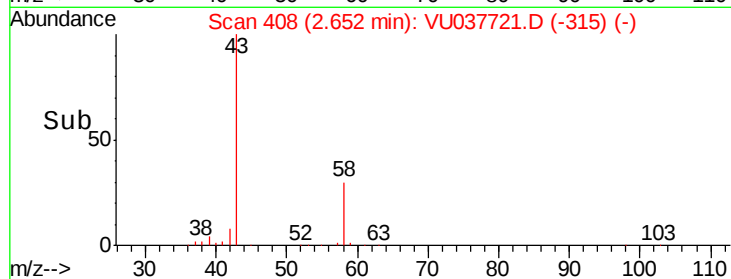
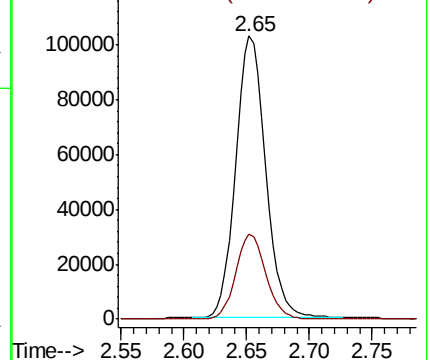
43 100

58 30.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037721.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037721.D (-315) (-)



#14

Carbon disulfide

Concen: 4.468 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037721.D

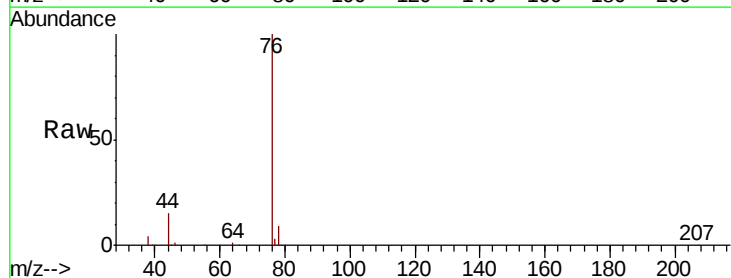
Acq: 15 Apr 2020 00:48

Tgt Ion: 76 Resp: 310721

Ion Ratio Lower Upper

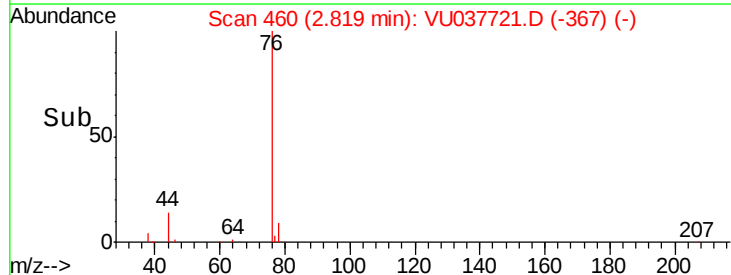
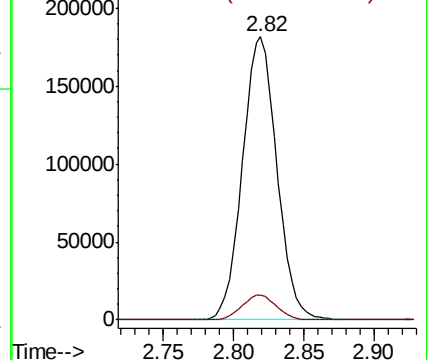
76 100

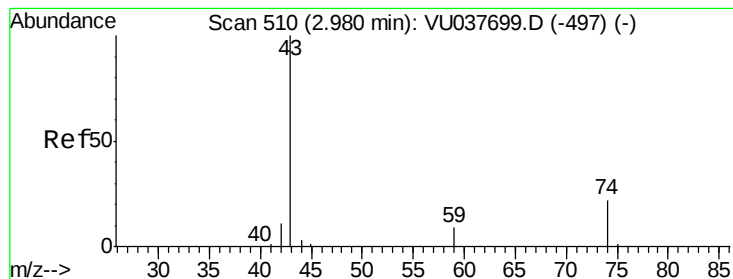
78 8.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037721.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037721.D (-367) (-)





#15

Methvl Acetate

Concen: 4.636 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

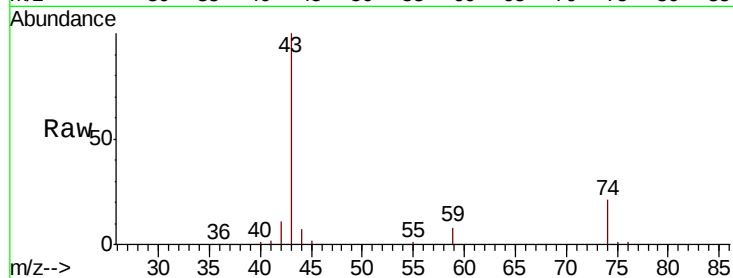
ClientSampled :

Tot Ion: 43 Resp: 48743

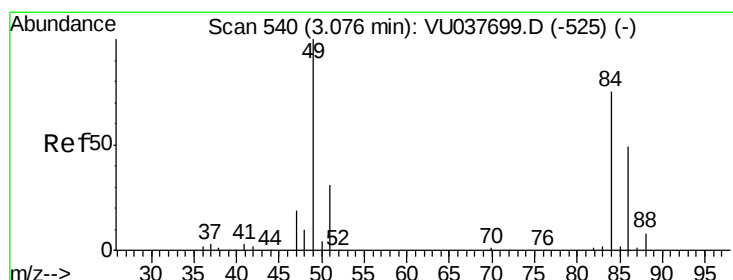
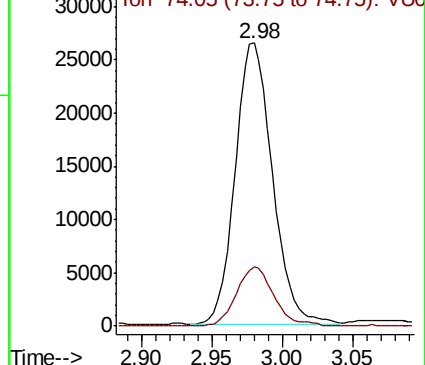
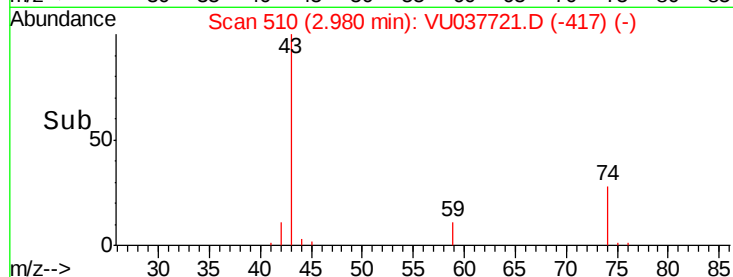
Ion Ratio Lower Upper

43 100

74 21.2 17.2 25.8



Abundance Ion 43.05 (42.75 to 43.75): VU037721.D (-417) (-)



#16

Methylene chloride

Concen: 4.581 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

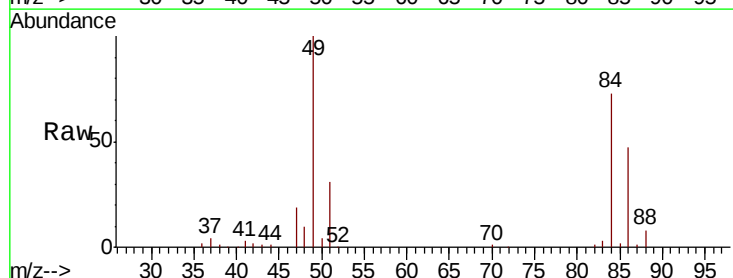
Tgt Ion: 84 Resp: 98353

Ion Ratio Lower Upper

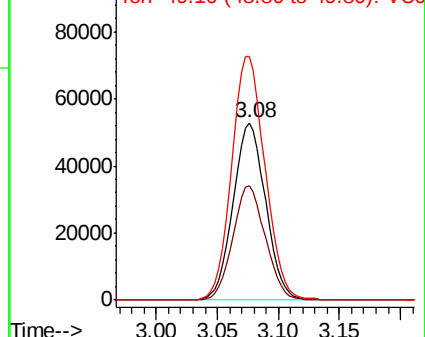
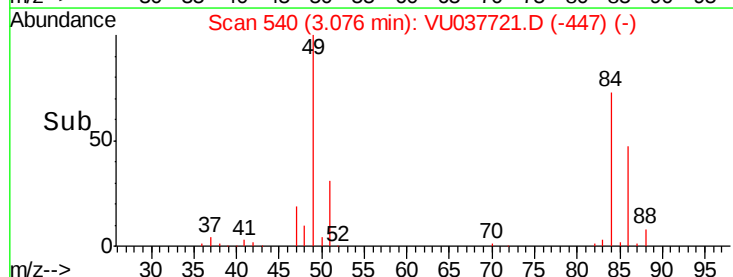
84 100

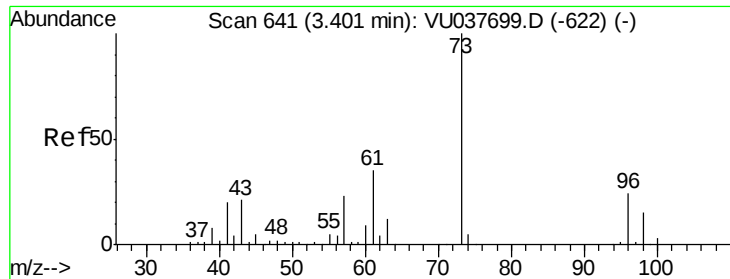
86 64.2 44.2 82.0

49 137.2 92.4 171.6



Abundance Ion 84.05 (83.75 to 84.75): VU037721.D (-447) (-)

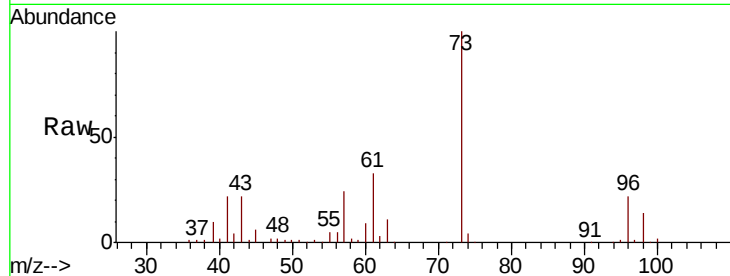




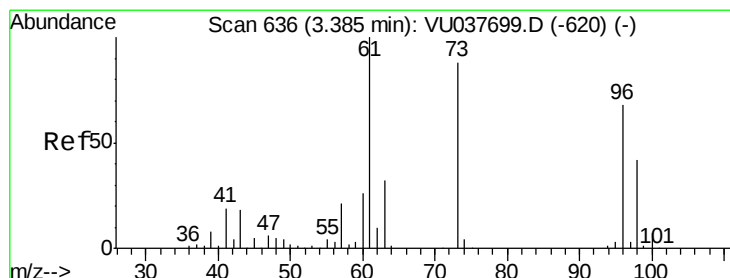
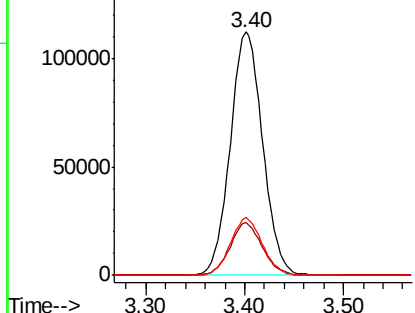
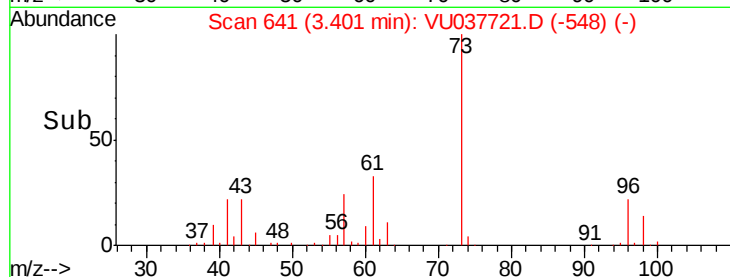
#17
Methvl tert-butvl Ether
Concen: 4.646 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 256213
Ion Ratio Lower Upper
73 100
43 22.0 16.4 24.6
57 23.4 18.4 27.6

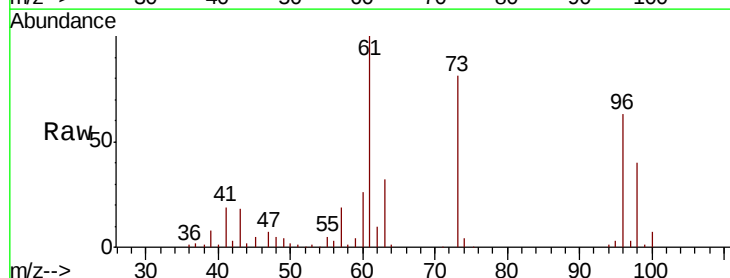


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

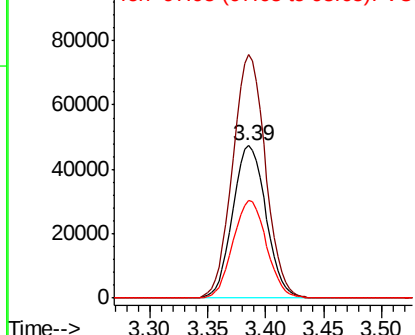
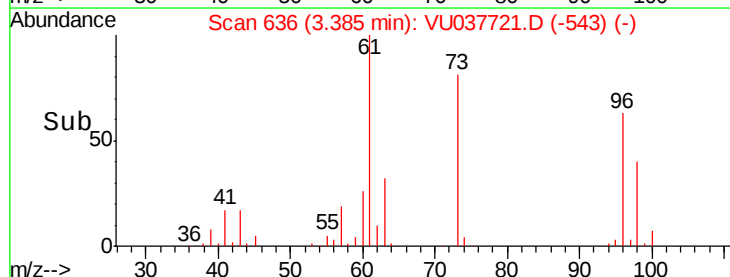


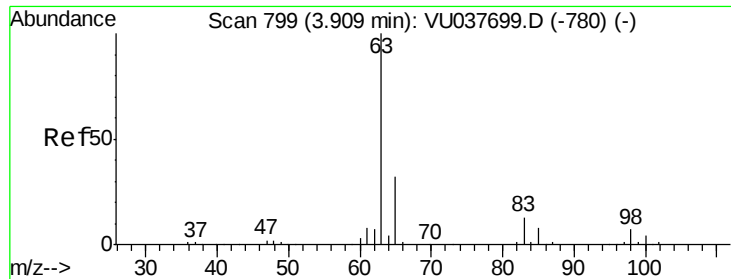
#18
trans-1,2-Dichloroethene
Concen: 4.585 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion: 96 Resp: 94667
Ion Ratio Lower Upper
96 100
61 159.5 106.7 198.3
98 63.9 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

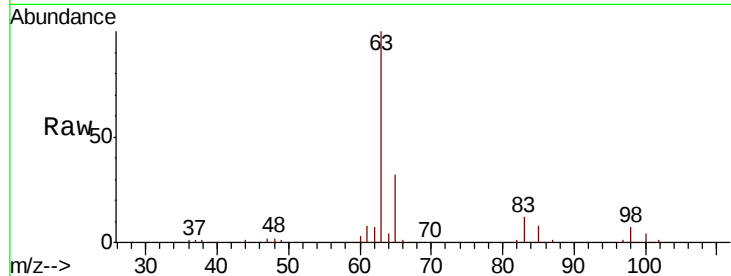




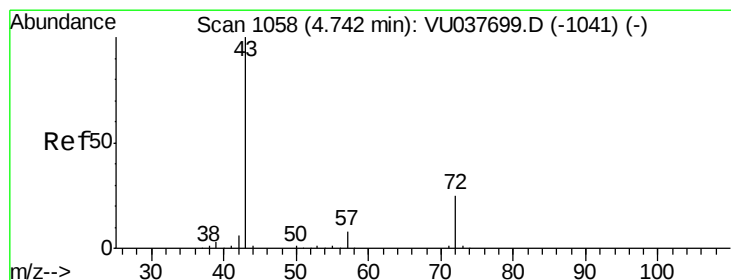
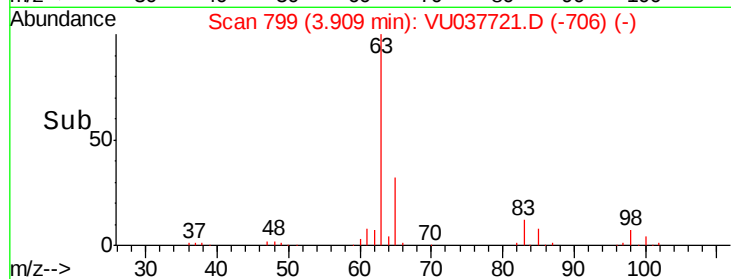
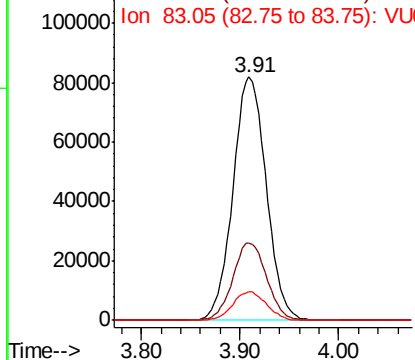
#19
 1,1-Dichloroethane
 Concen: 4.810 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 192098
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.6 40.2
 83 11.8 8.6 16.0

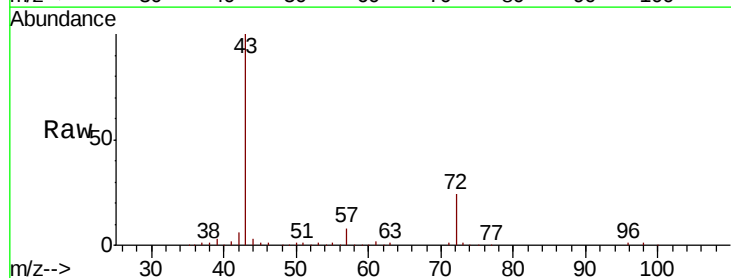


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

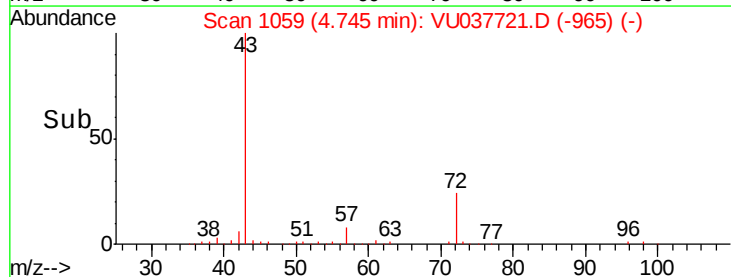
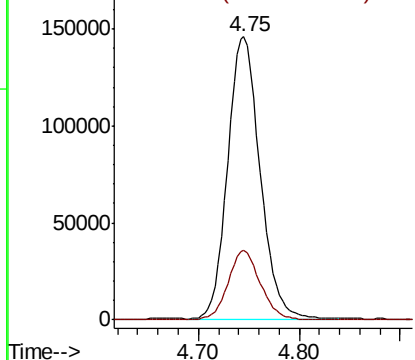


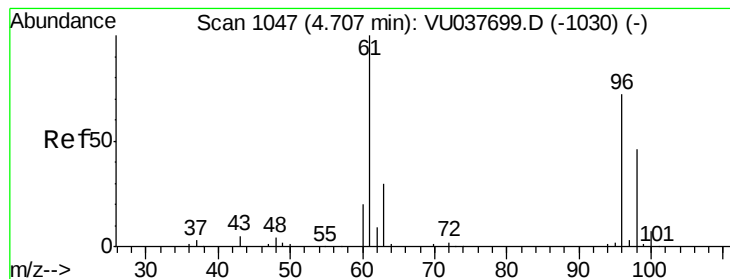
#21
 2-Butanone
 Concen: 47.286 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion: 43 Resp: 324891
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.6 37.6



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





#22

cis-1,2-Dichloroethene

Concen: 4.640 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

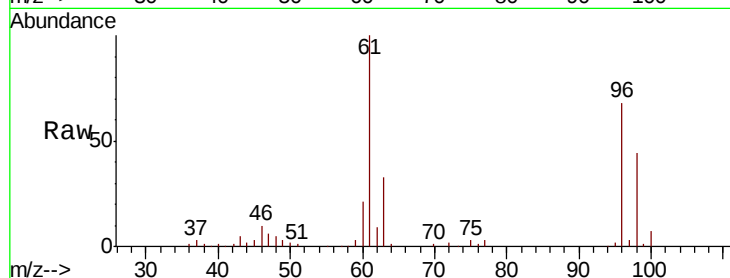
Tot Ion: 96 Resp: 103513

Ion Ratio Lower Upper

96 100

61 146.1 97.0 180.2

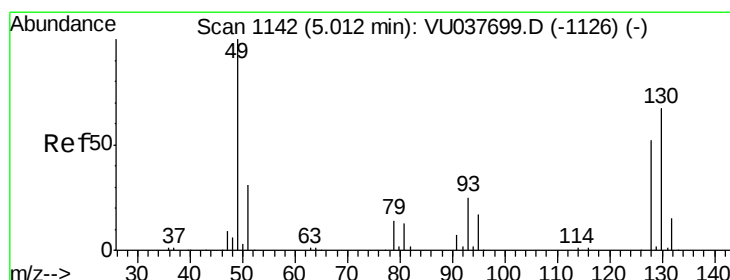
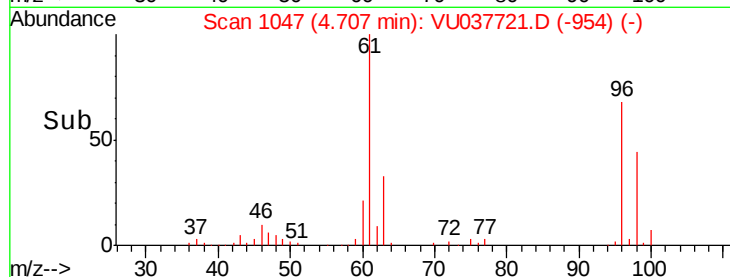
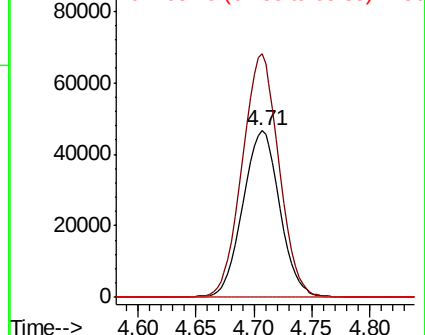
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037721.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037721.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037721.D (-954) (-)



#23

Bromochloromethane

Concen: 4.530 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Tgt Ion: 128 Resp: 42832

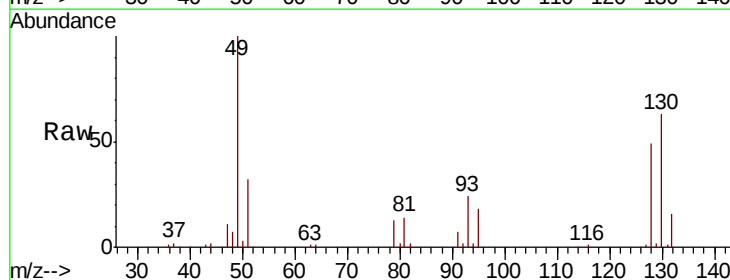
Ion Ratio Lower Upper

128 100

49 204.9 138.6 257.4

130 129.4 91.3 169.5

51 64.7 49.3 73.9

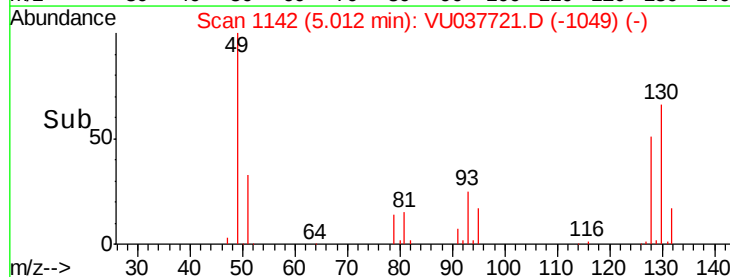
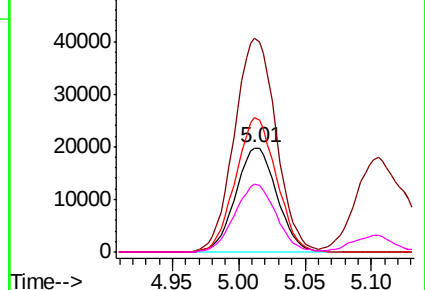


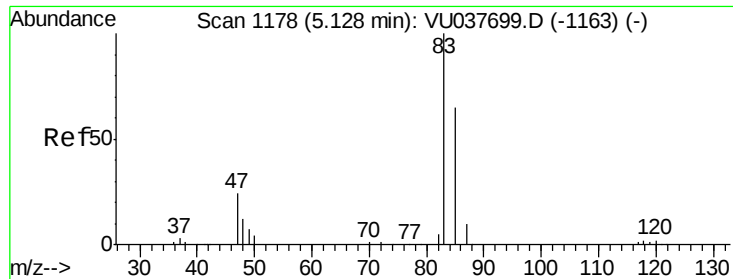
Abundance Ion 127.90 (127.60 to 128.60): VU037721.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU037721.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU037721.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU037721.D (-1049) (-)

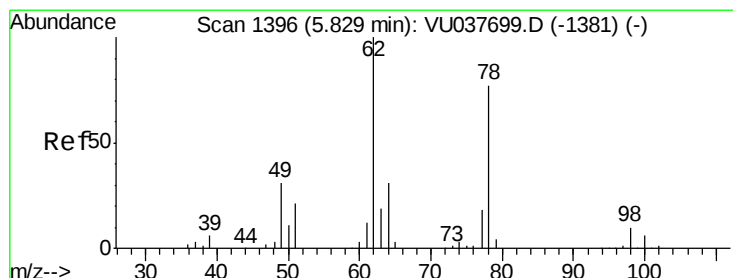
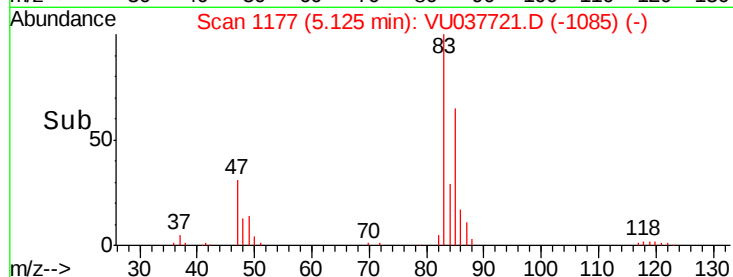
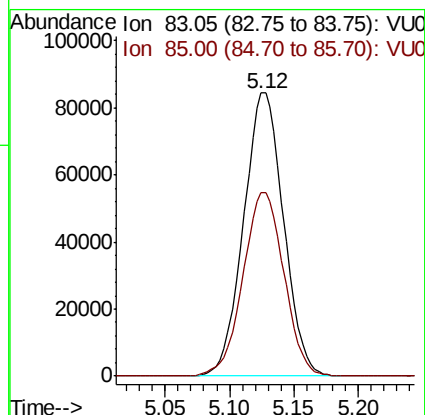
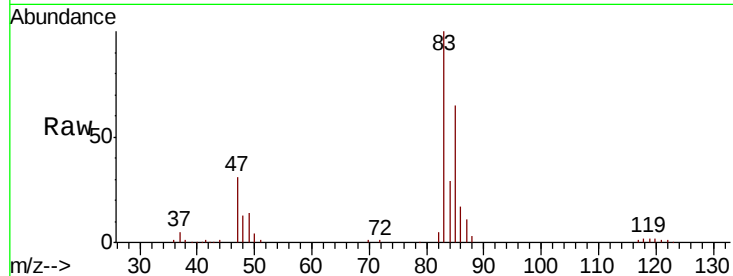




#25
Chloroform
Concen: 4.819 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

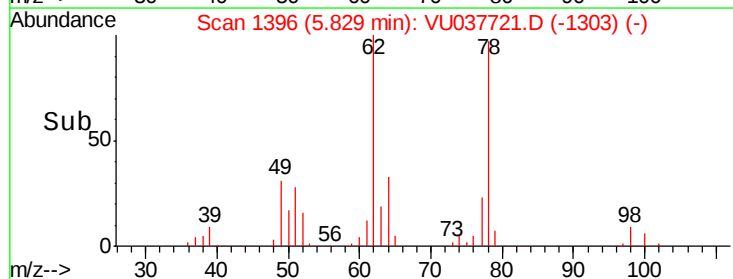
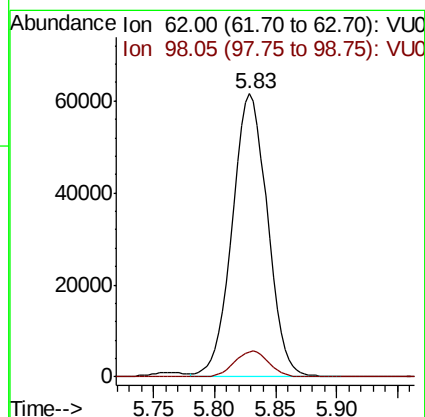
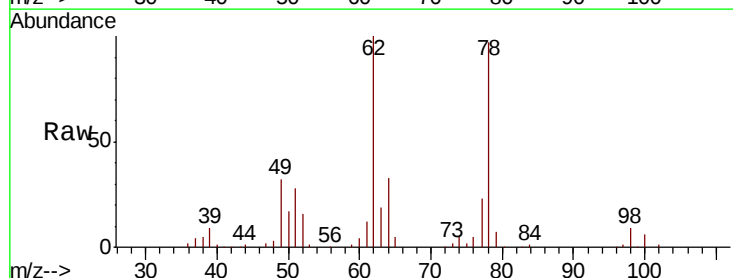
Instrument :
MSVOA_U
ClientSampled :

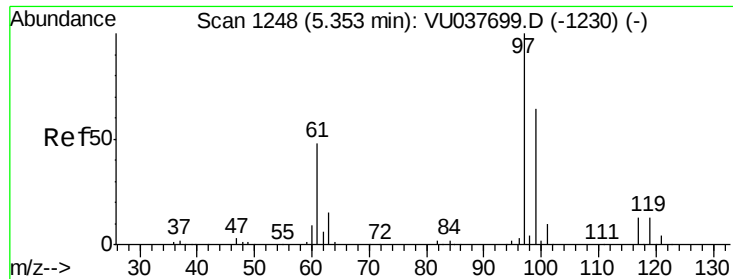
Tot Ion: 83 Resp: 182827
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 4.809 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion: 62 Resp: 123317
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4

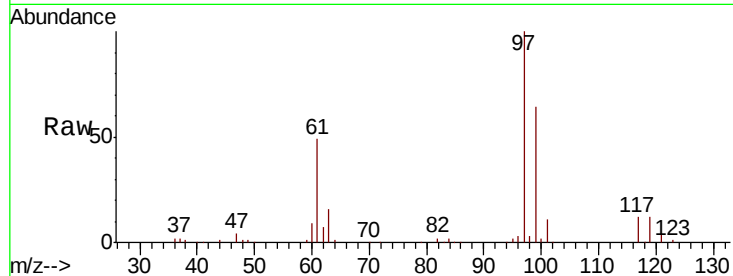




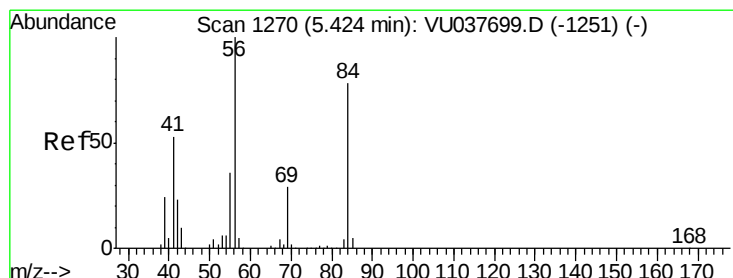
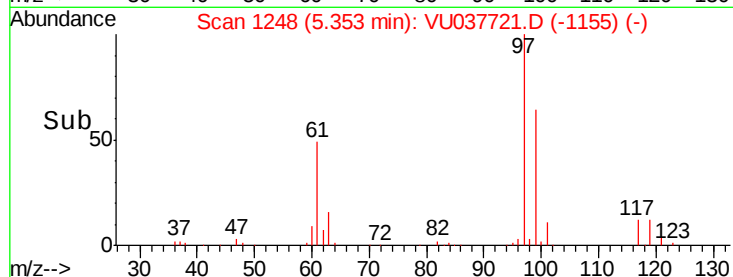
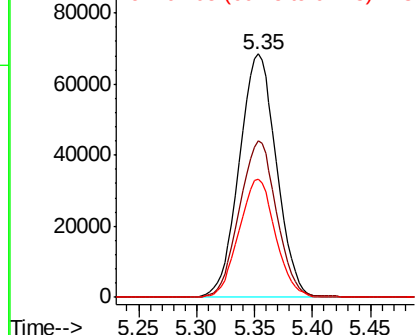
#29
 1,1,1-Trichloroethane
 Concen: 4.752 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 152798
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.0 78.0
 61 47.9 37.8 56.8

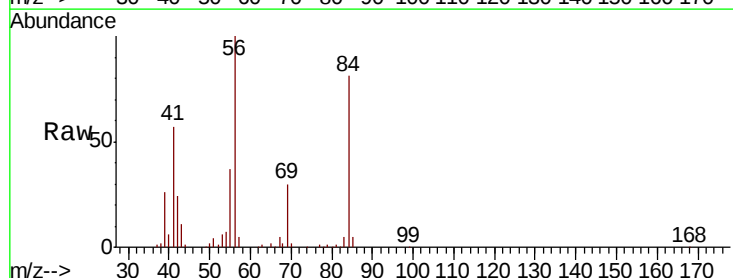


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

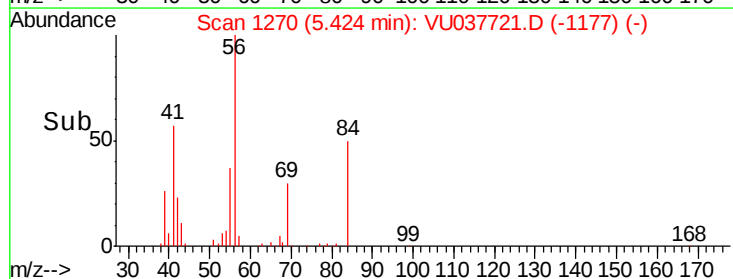
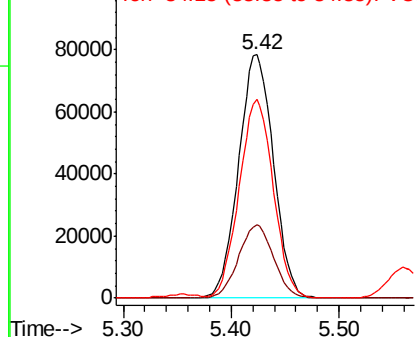


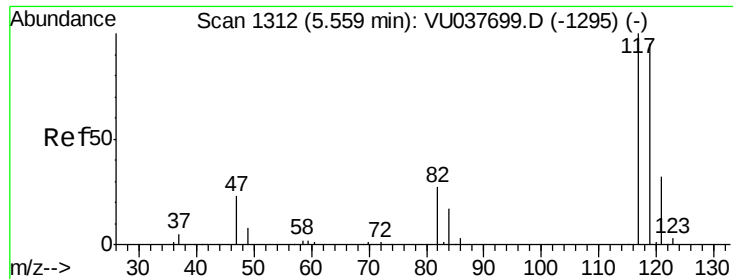
#30
 Cyclohexane
 Concen: 4.433 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion: 56 Resp: 176440
 Ion Ratio Lower Upper
 56 100
 69 30.2 23.9 35.9
 84 79.9 65.6 98.4



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

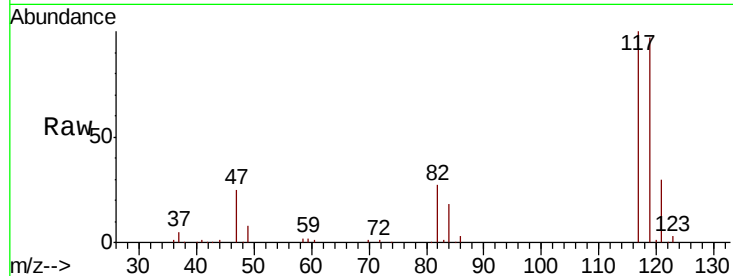




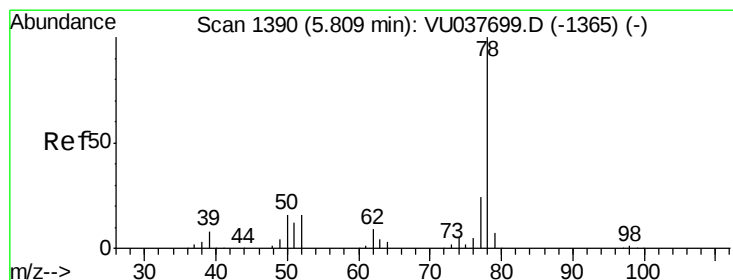
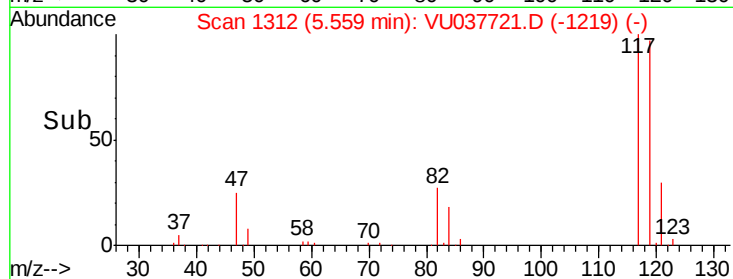
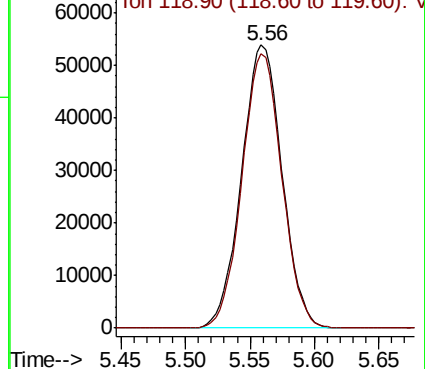
#31
Carbon tetrachloride
Concen: 4.595 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 117731
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0

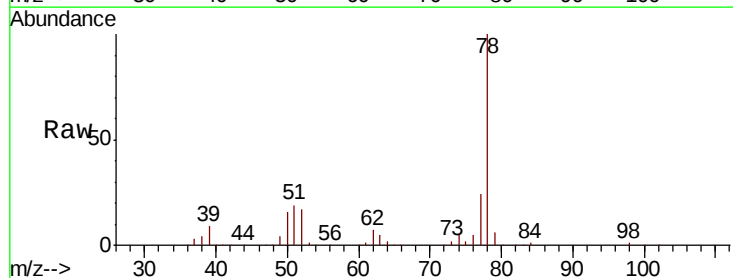


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

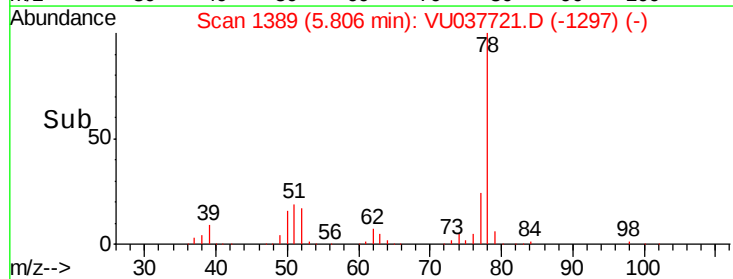
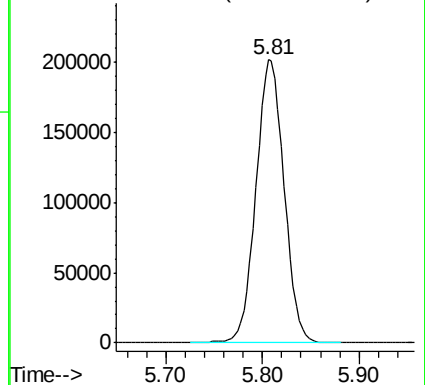


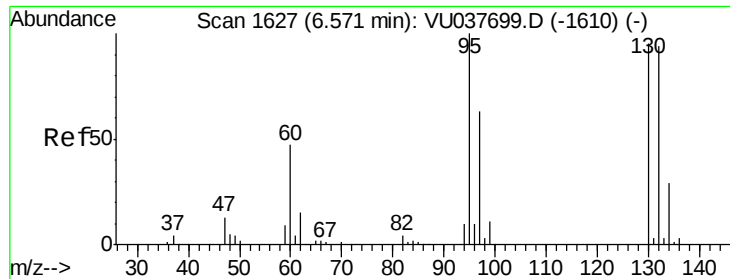
#33
Benzene
Concen: 4.646 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion: 78 Resp: 406793



Abundance Ion 78.10 (77.80 to 78.80): VU0

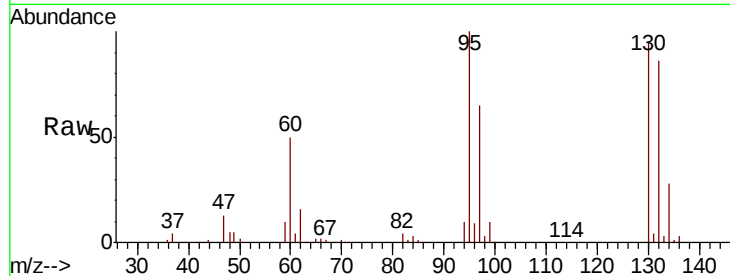




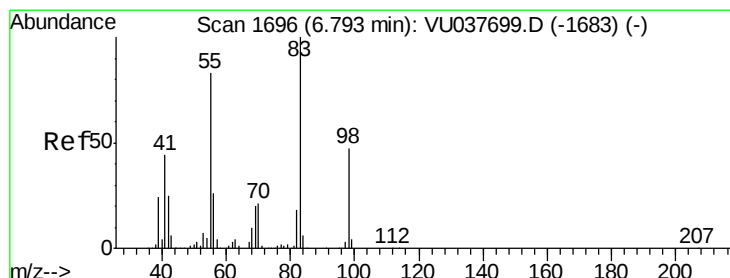
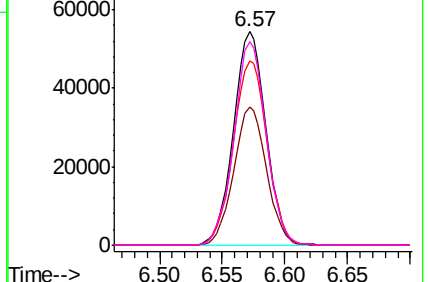
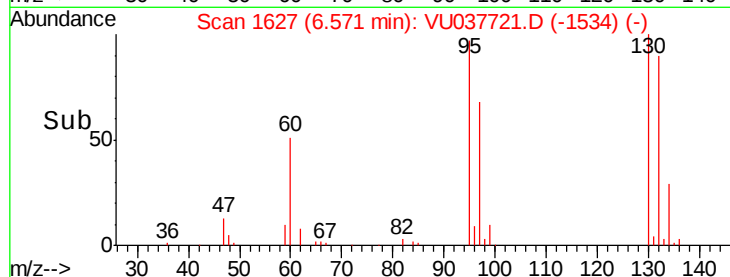
#34
 Trichloroethene
 Concen: 4.549 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 97893
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.4 84.2
 132 86.2 63.7 118.3
 130 95.5 68.7 127.5

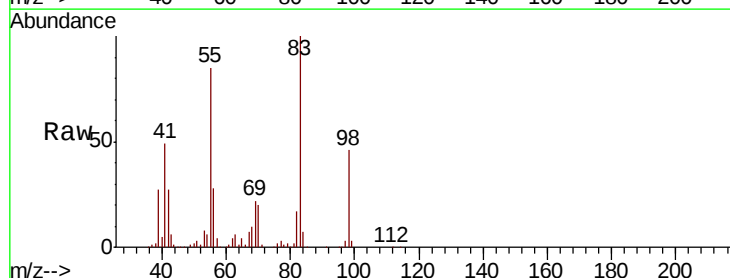


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

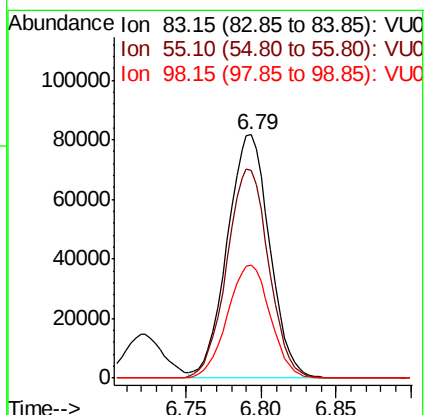
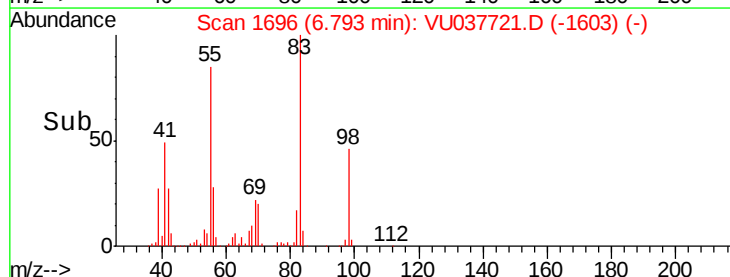


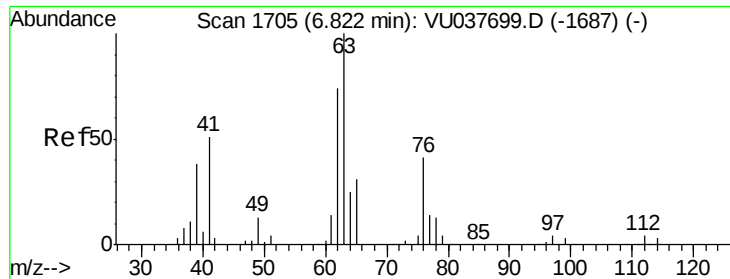
#35
 Methylcyclohexane
 Concen: 4.279 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion: 83 Resp: 161364
 Ion Ratio Lower Upper
 83 100
 55 84.7 65.5 98.3
 98 46.8 38.2 57.4



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

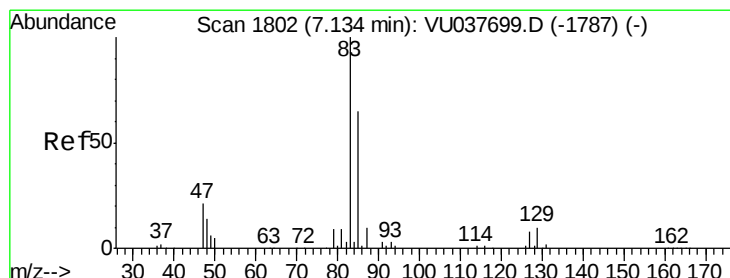
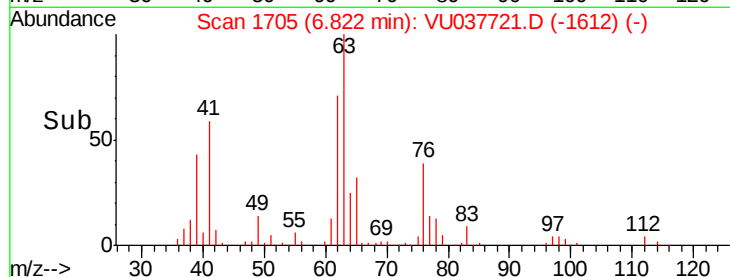
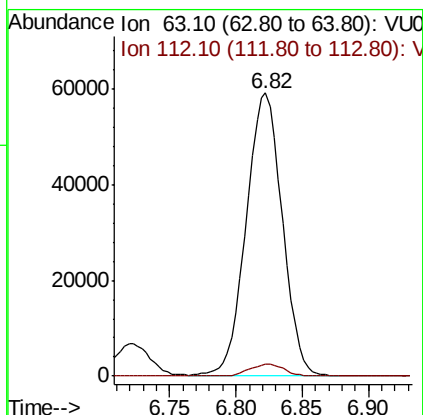
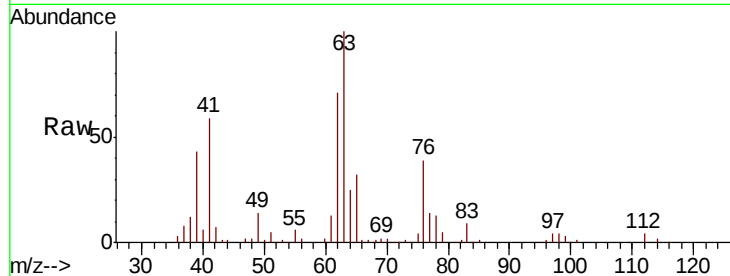




#37
 1,2-Dichloropropane
 Concen: 4.801 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

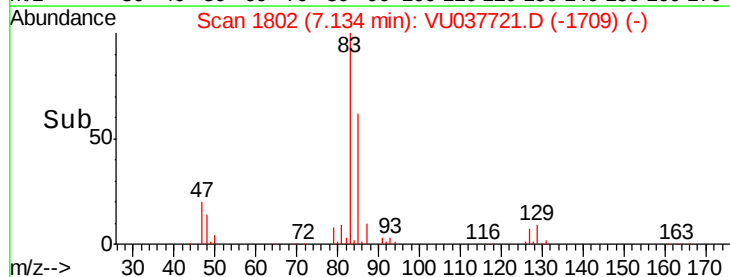
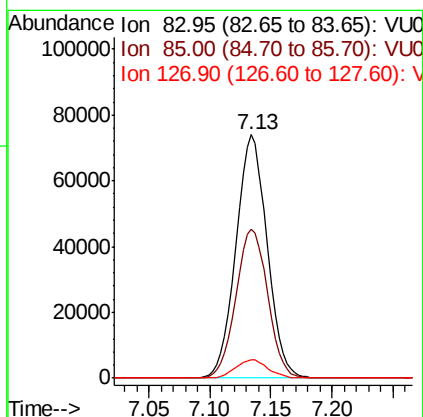
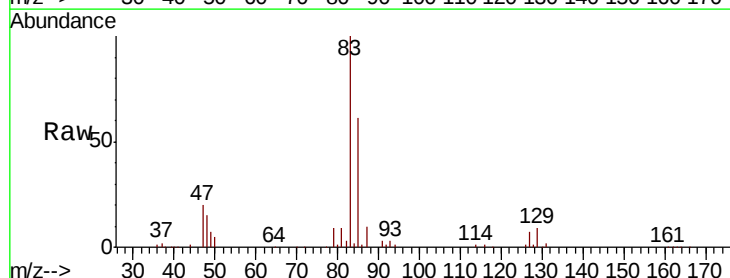
Instrument :
 MSVOA_U
 ClientSampleId :

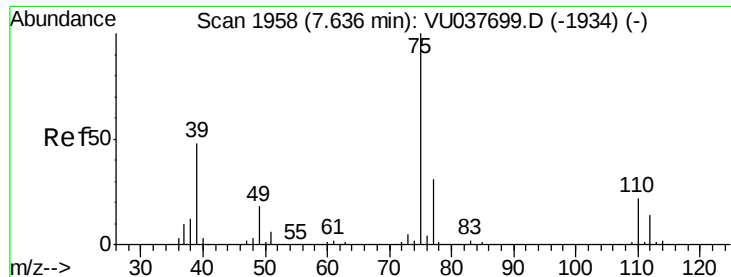
Tot Ion: 63 Resp: 111474
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.734 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion: 83 Resp: 130724
 Ion Ratio Lower Upper
 83 100
 85 61.1 45.1 83.7
 127 7.4 6.6 9.8

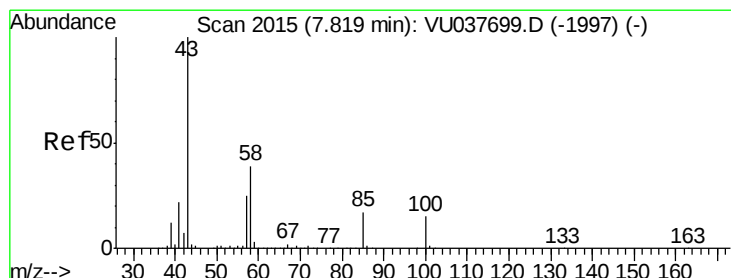
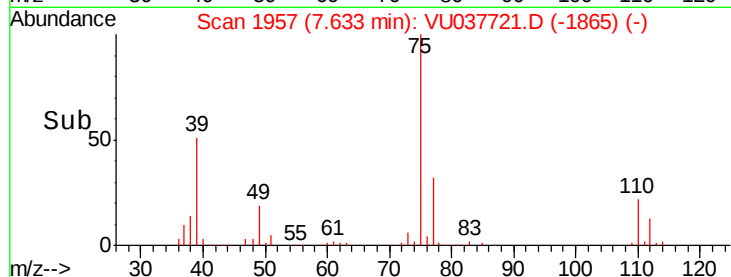
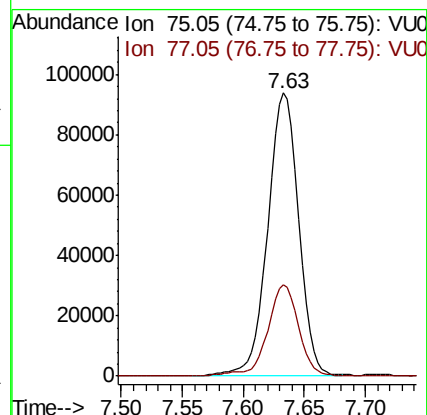
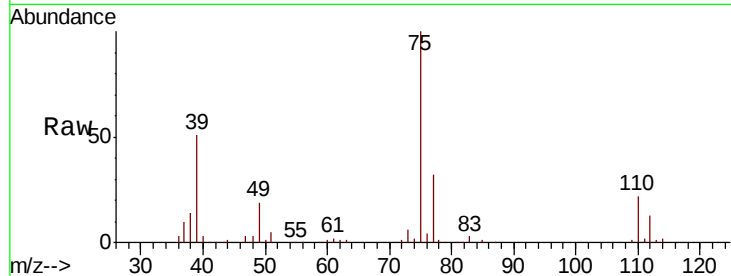




#39
 cis-1,3-Dichloropropene
 Concen: 4.591 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

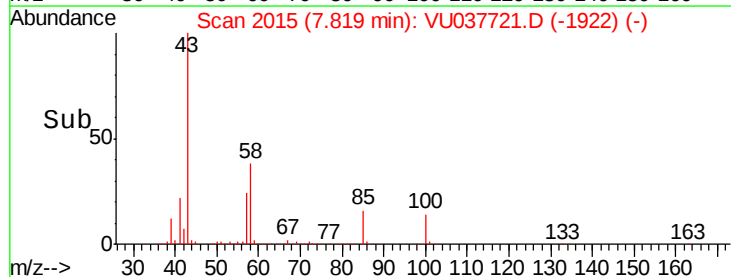
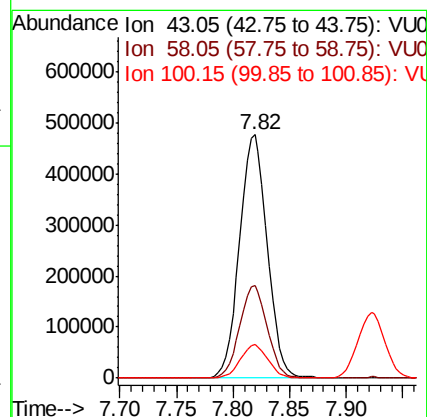
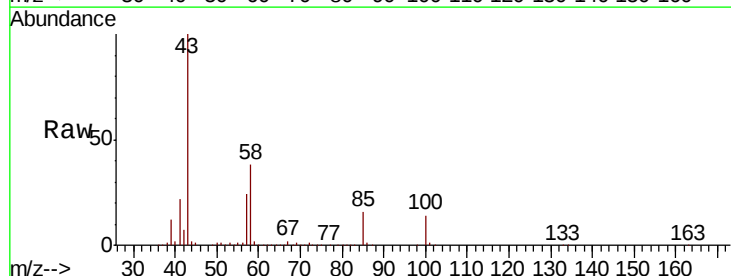
Instrument :
 MSVOA_U
 ClientSampled :

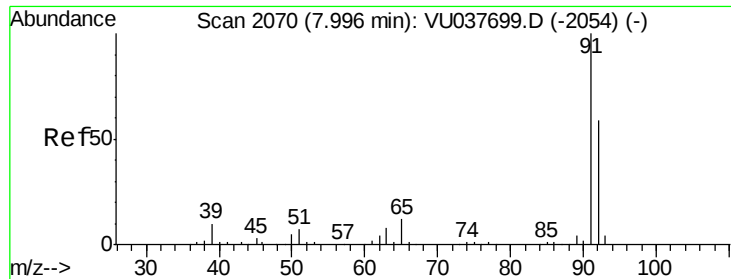
Tot Ion: 75 Resp: 166889
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 47.755 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion: 43 Resp: 815269
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.3 46.9
 100 13.6 11.5 17.3





#42

Toluene

Concen: 4.608 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

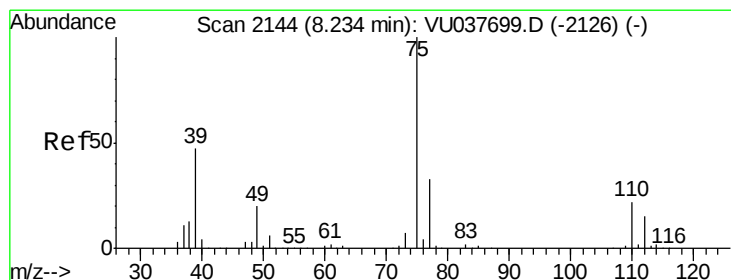
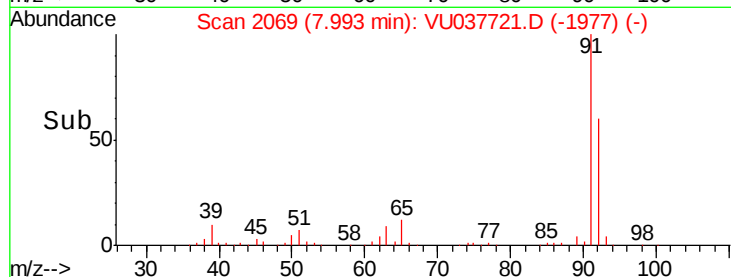
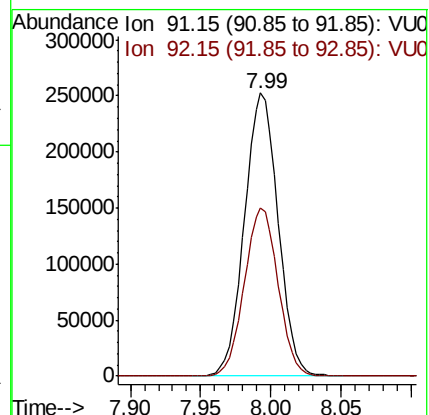
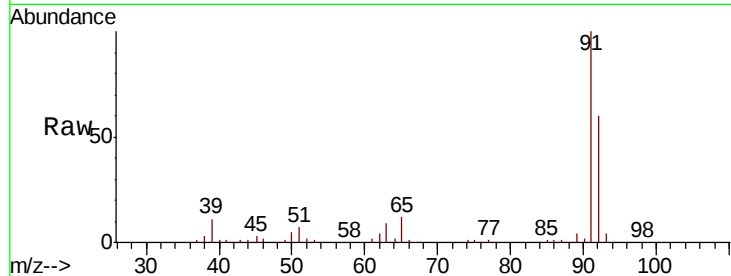
ClientSampled :

Tot Ion: 91 Resp: 422638

Ion Ratio Lower Upper

91 100

92 59.6 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.542 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037721.D

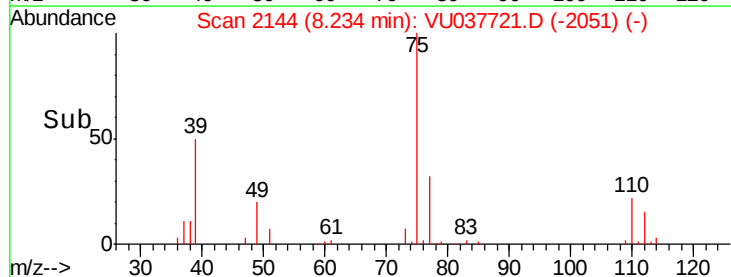
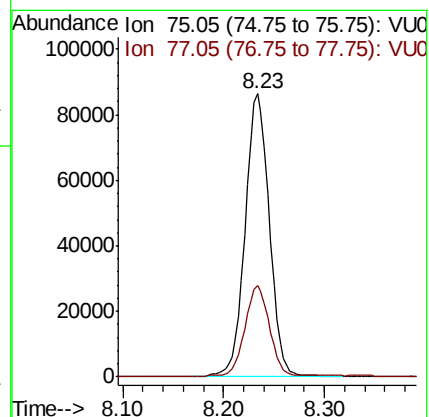
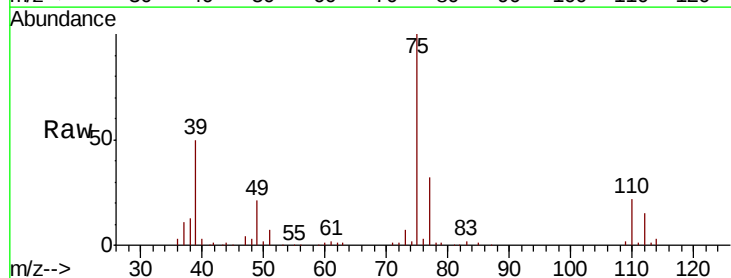
Acq: 15 Apr 2020 00:48

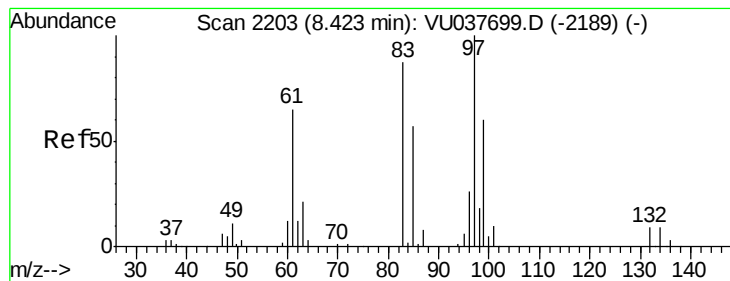
Tgt Ion: 75 Resp: 143340

Ion Ratio Lower Upper

75 100

77 32.3 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 4.680 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 73237

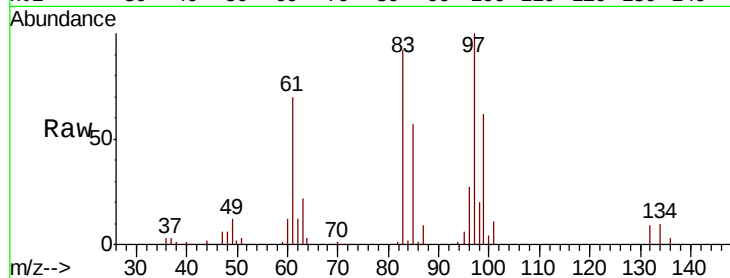
Ion Ratio Lower Upper

97 100

99 61.7 43.1 80.1

83 92.4 62.4 116.0

85 57.1 39.6 73.6

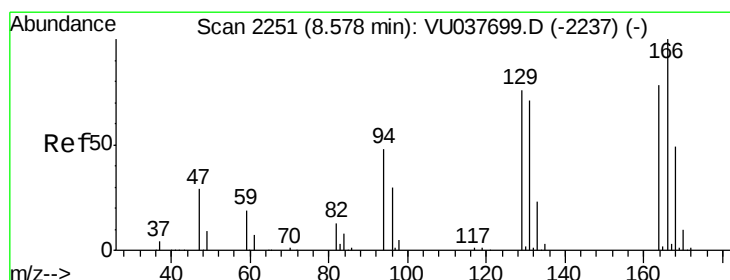
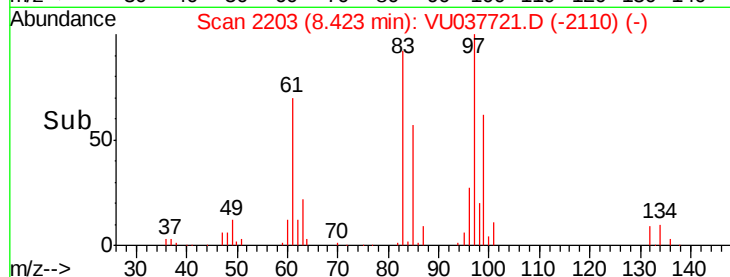
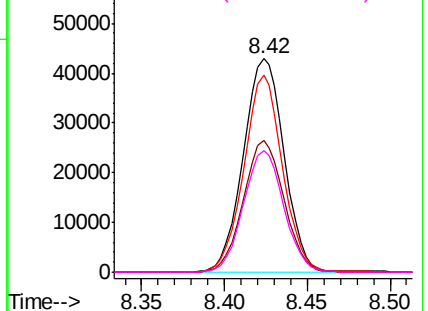


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.294 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Tgt Ion:164 Resp: 66387

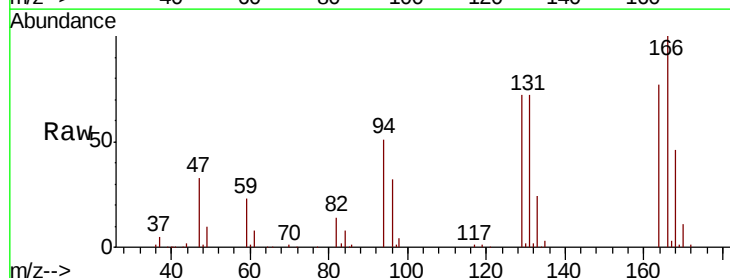
Ion Ratio Lower Upper

164 100

129 93.4 68.1 126.5

131 93.3 65.9 122.5

166 130.0 89.7 166.7

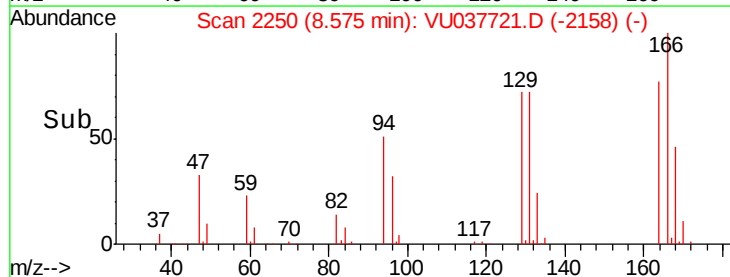
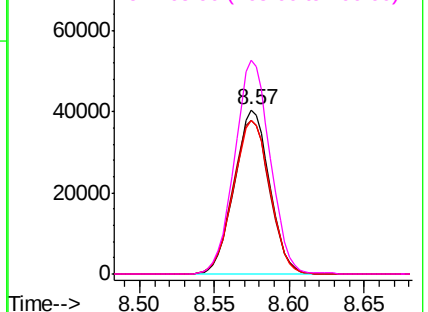


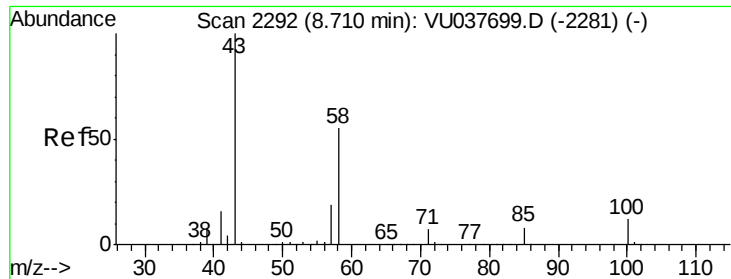
Abundance Ion 163.90 (163.60 to 164.60): V

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

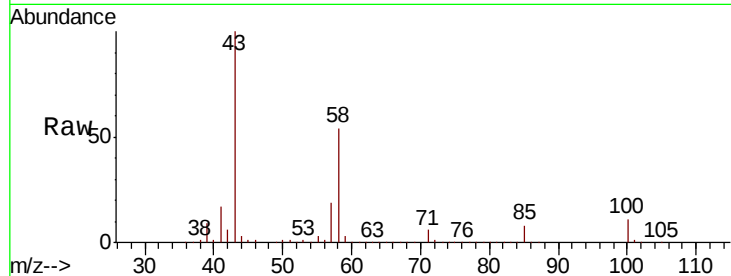




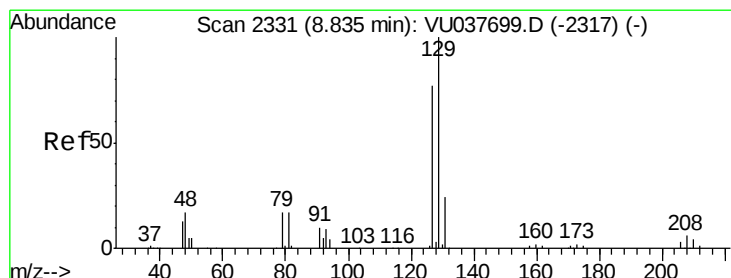
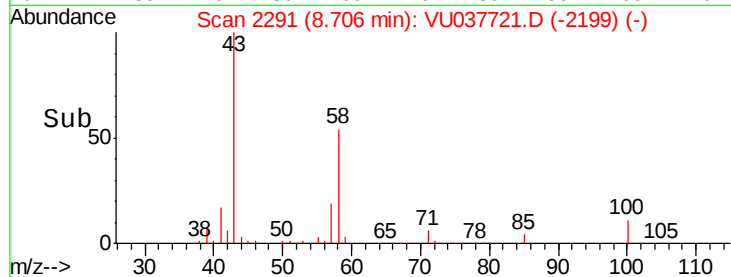
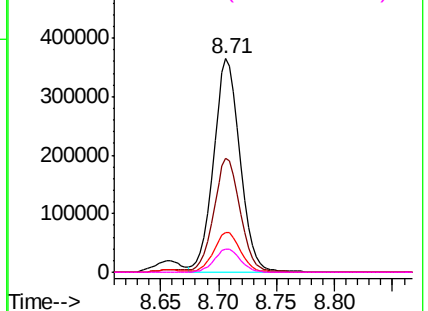
#48
2-Hexanone
Concen: 47.544 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 581128
Ion Ratio Lower Upper
43 100
58 53.7 43.6 65.4
57 19.0 15.4 23.0
100 10.9 9.1 13.7

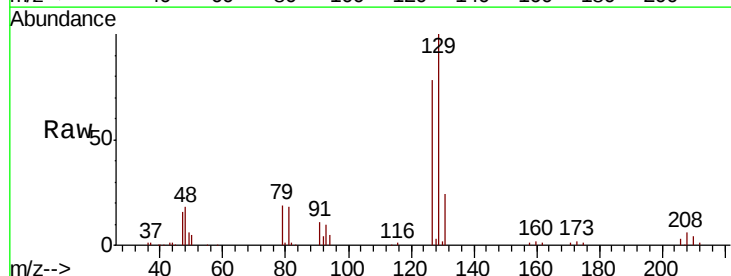


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

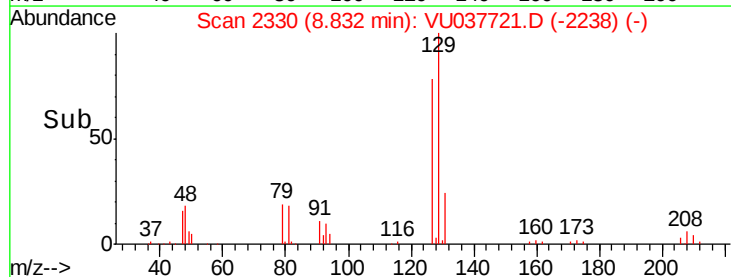
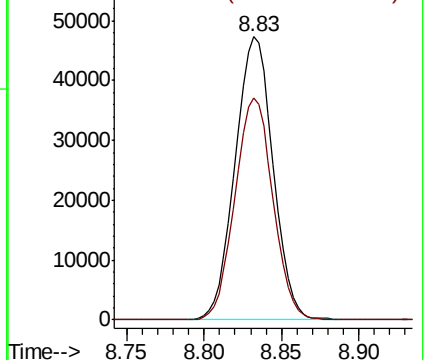


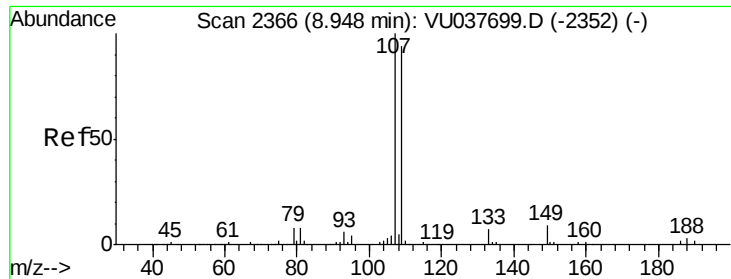
#49
Dibromochloromethane
Concen: 4.512 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion: 129 Resp: 80692
Ion Ratio Lower Upper
129 100
127 78.5 53.3 98.9



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

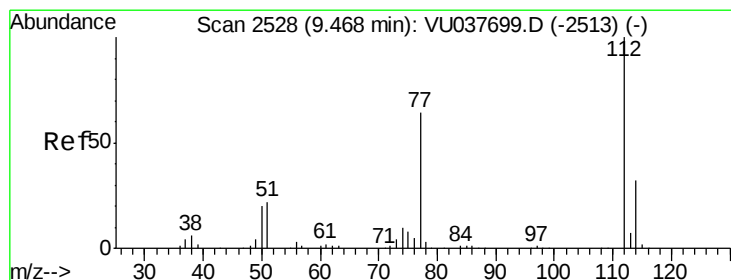
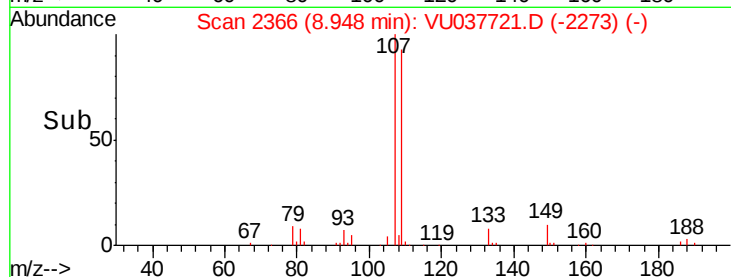
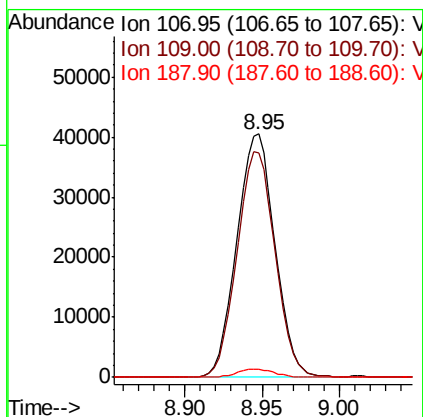
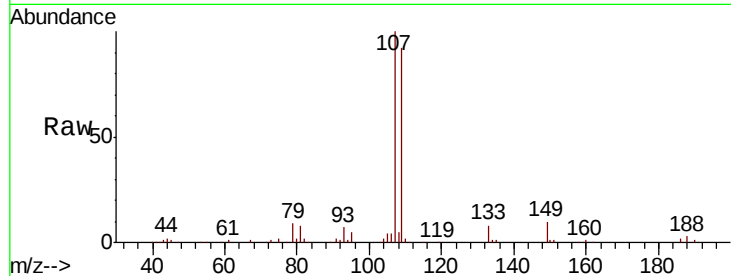




#50
1,2-Dibromoethane
Concen: 4.616 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

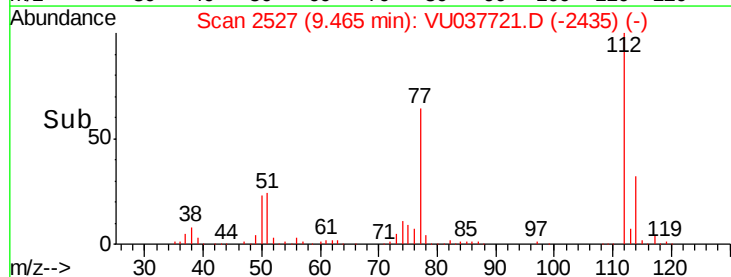
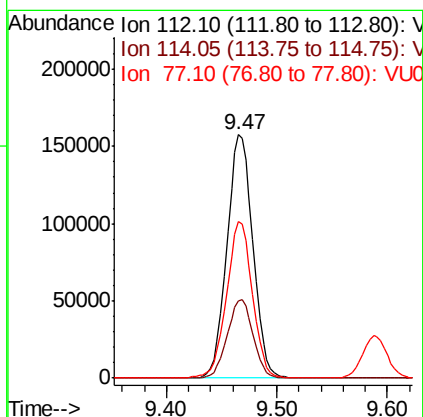
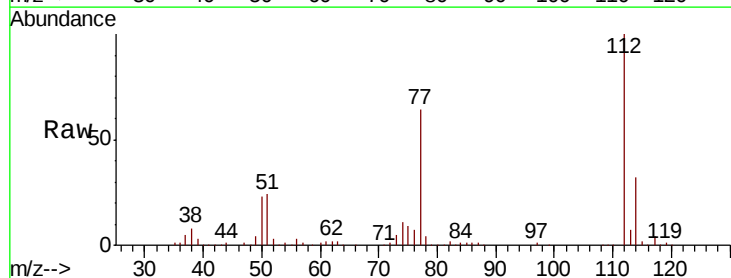
Instrument :
MSVOA_U
ClientSampled :

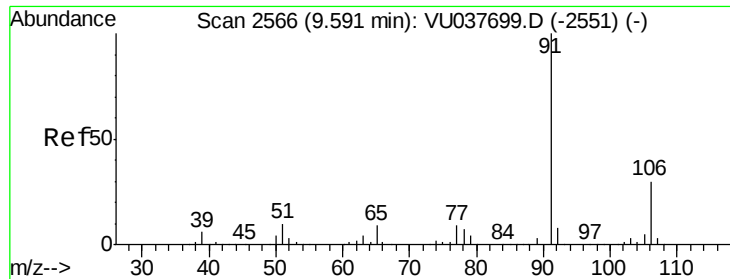
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	66.3	123.1
188	3.4	2.5	3.7



#51
Chlorobenzene
Concen: 4.596 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	64.1	50.2	75.4





#52

Ethylbenzene

Concen: 4.609 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

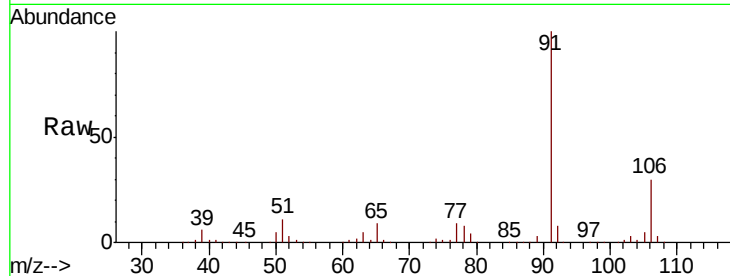
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 470259

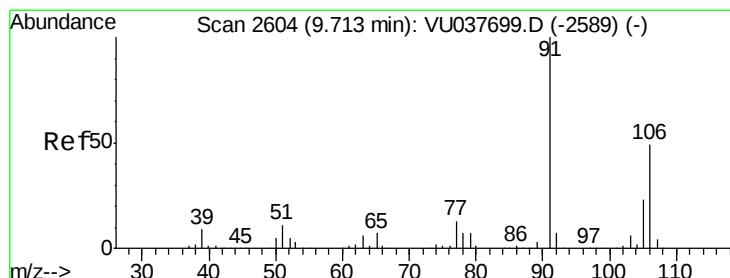
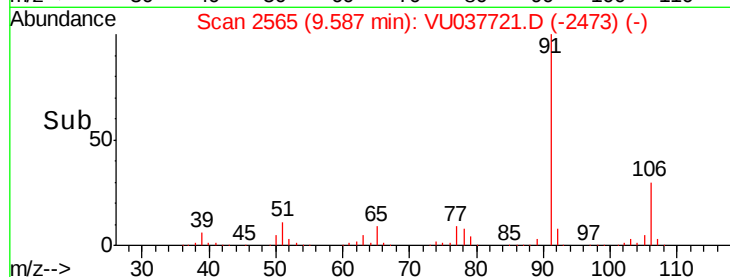
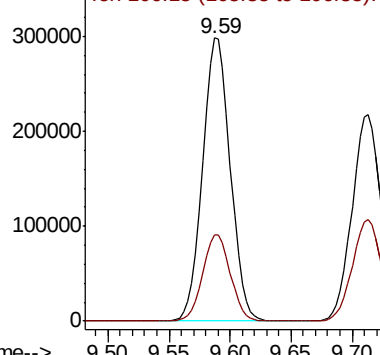
Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037699.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.620 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037721.D

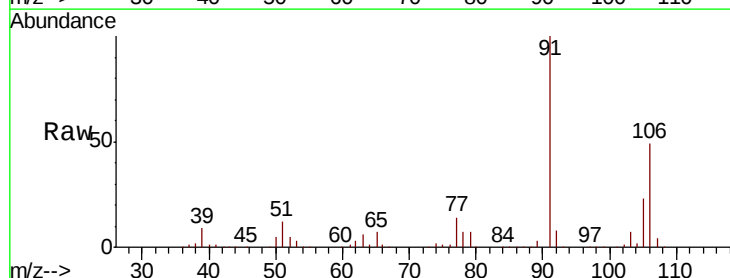
Acq: 15 Apr 2020 00:48

Tgt Ion: 106 Resp: 178432

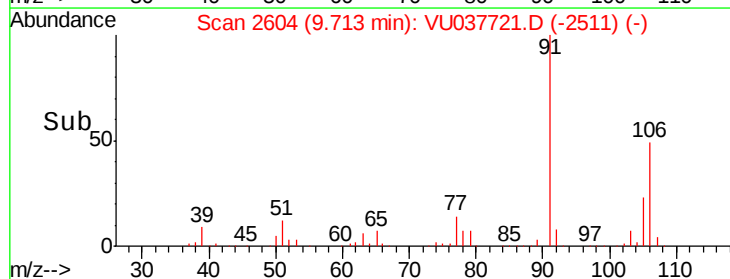
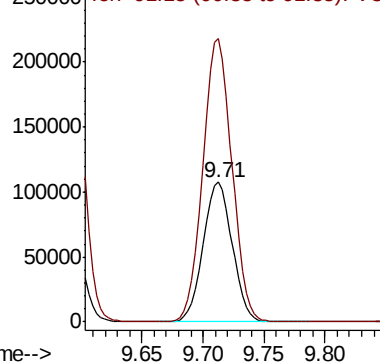
Ion Ratio Lower Upper

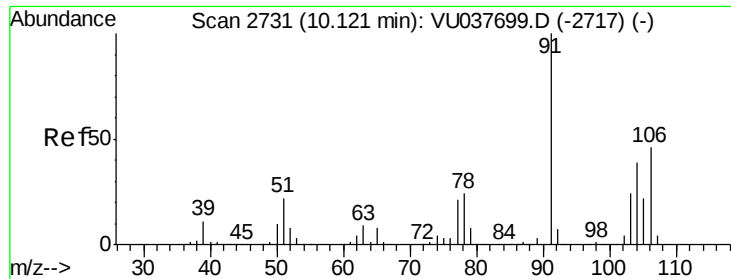
106 100

91 202.9 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037699.D (-2589) (-)

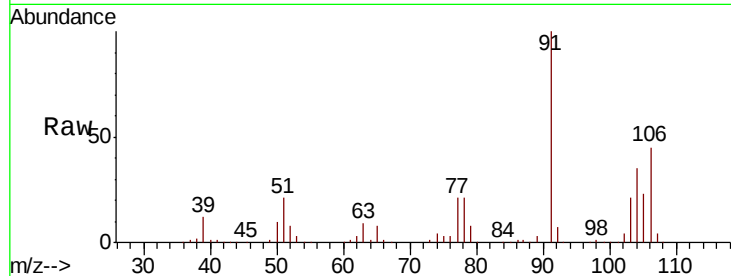




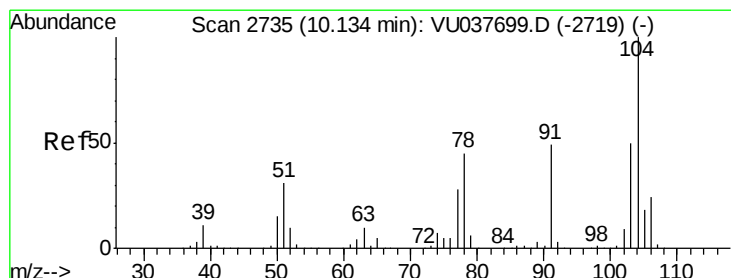
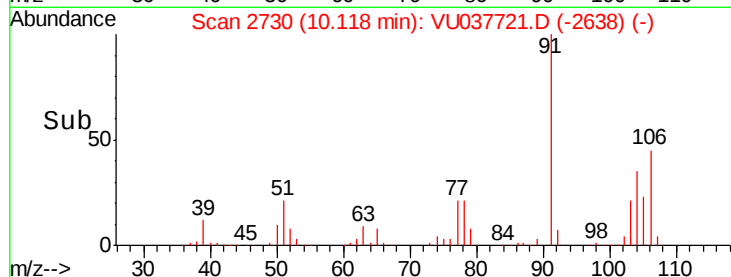
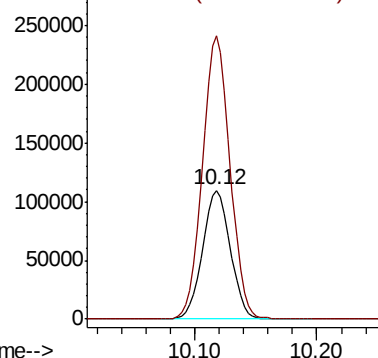
#54
o-Xylene
Concen: 4.568 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 173619
Ion Ratio Lower Upper
106 100
91 220.2 151.1 280.7

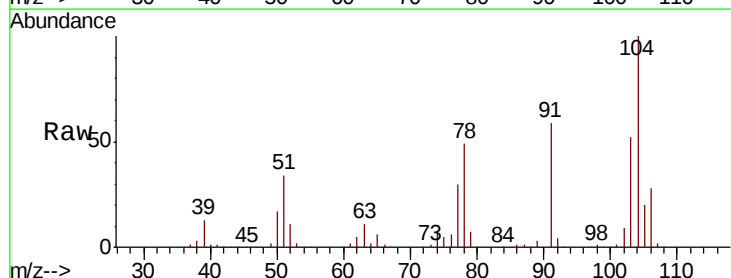


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

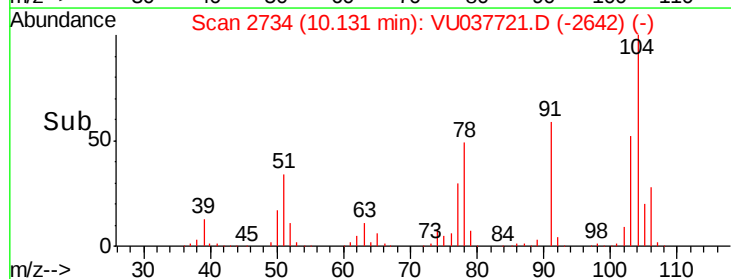
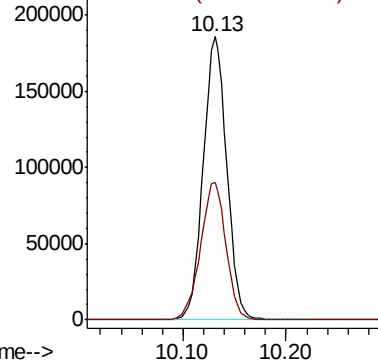


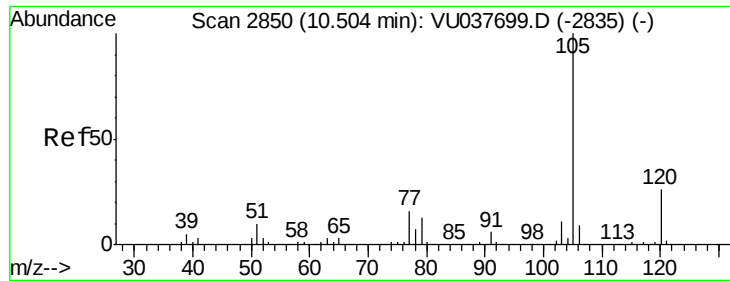
#55
Styrene
Concen: 4.545 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037721.D
Acq: 15 Apr 2020 00:48

Tgt Ion:104 Resp: 295288
Ion Ratio Lower Upper
104 100
78 48.6 32.5 60.3



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





#56

Isopropylbenzene

Concen: 4.519 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

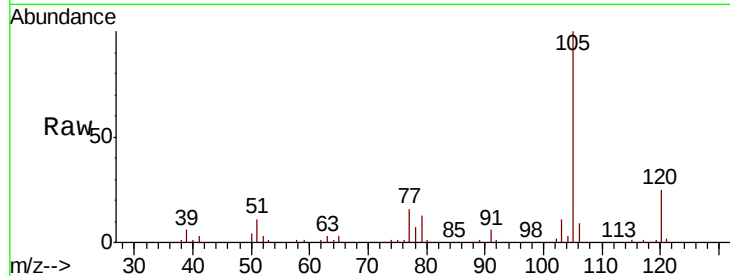
Tot Ion:105 Resp: 450517

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

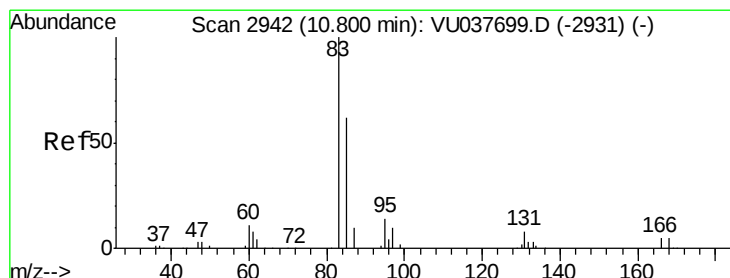
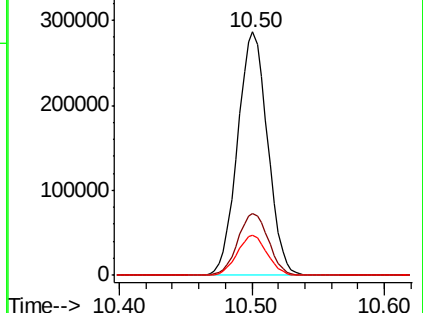
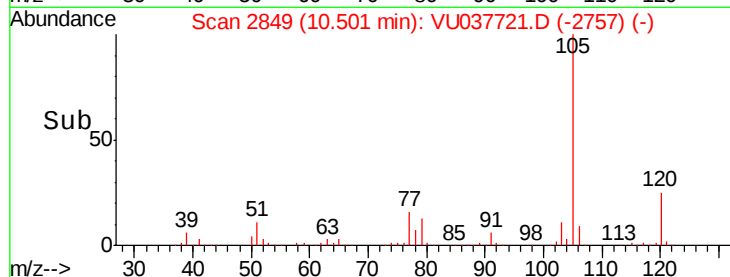
77 16.4 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.632 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

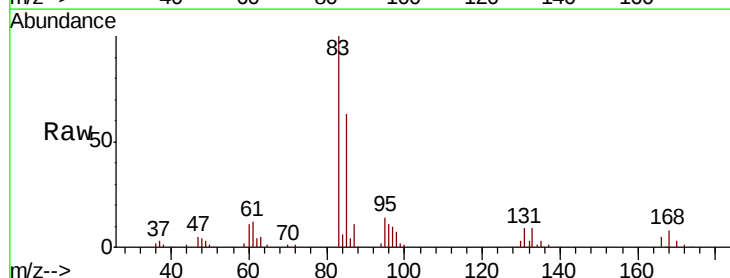
Tgt Ion: 83 Resp: 94361

Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1

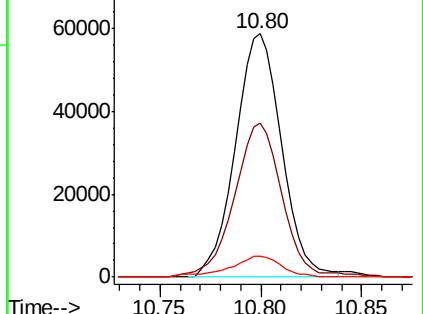
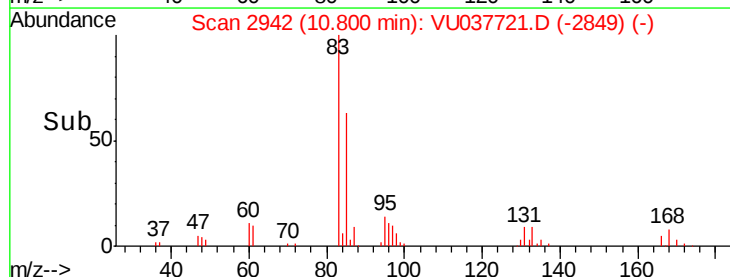
131 8.8 7.4 11.2

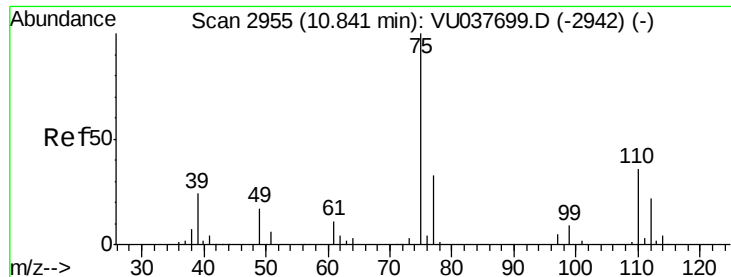


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.557 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

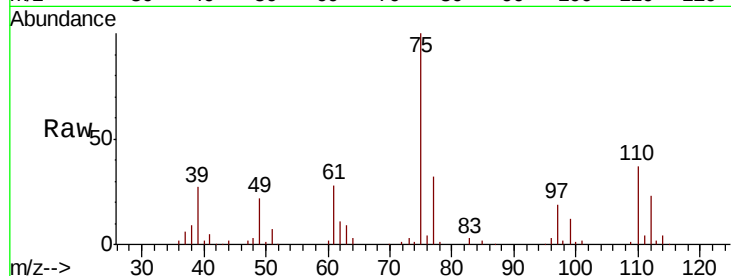
ClientSampleId :

Tot Ion: 75 Resp: 69250

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037699.D (-2942) (-)

Ion 77.00 (76.70 to 77.70): VU037699.D (-2942) (-)

10.84

40000

30000

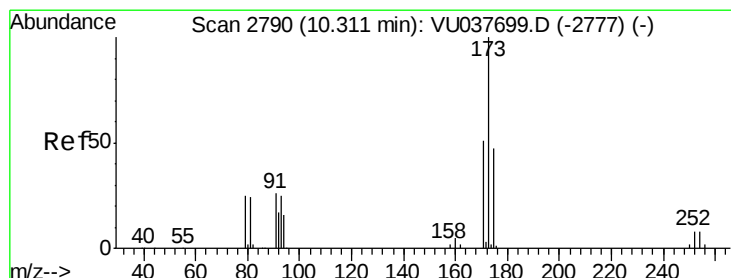
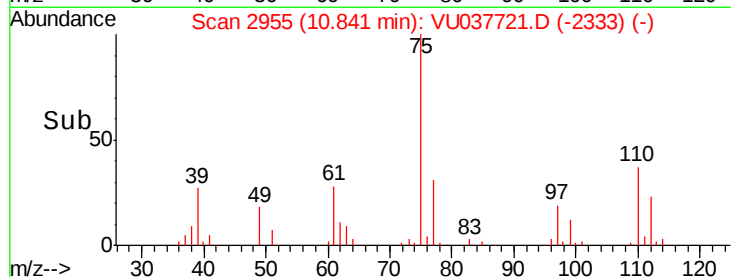
20000

10000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 4.393 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

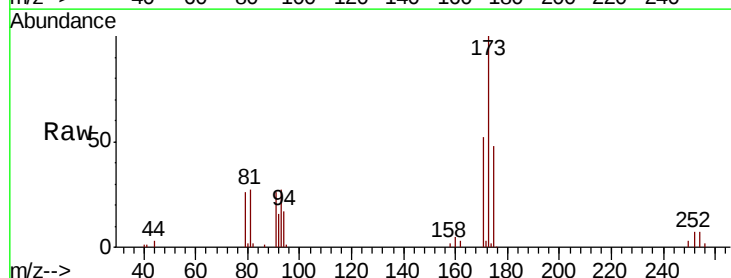
Tgt Ion: 173 Resp: 45777

Ion Ratio Lower Upper

173 100

175 47.5 37.6 56.4

254 6.7 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VU037699.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037699.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037699.D (-2777) (-)

10.31

30000

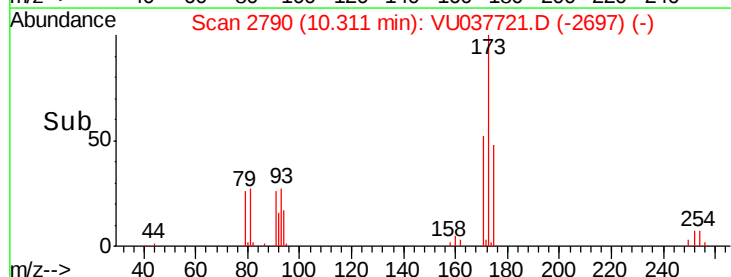
20000

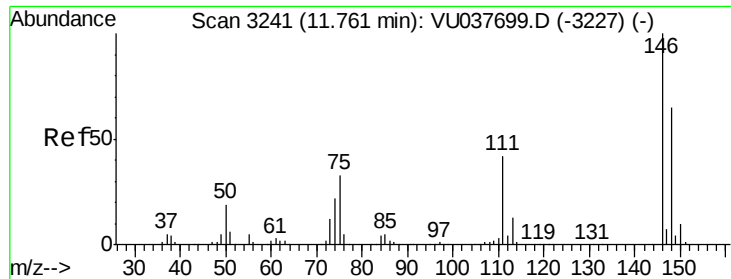
10000

0

10.25 10.30 10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.513 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

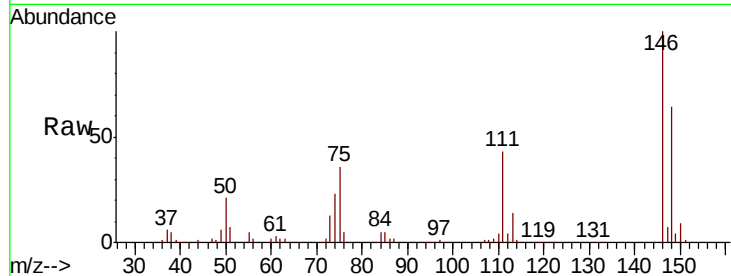
Tot Ion:146 Resp: 198256

Ion Ratio Lower Upper

146 100

111 42.7 29.8 55.3

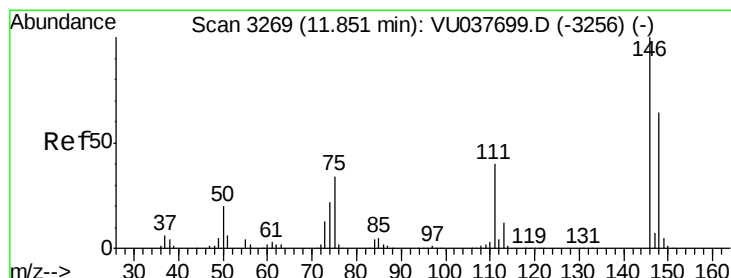
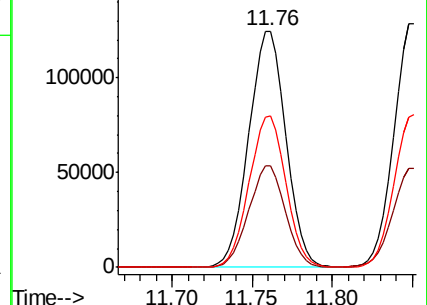
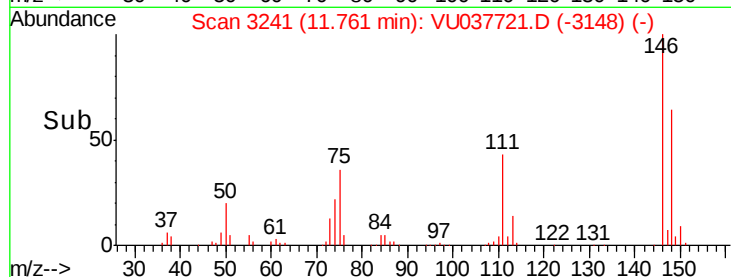
148 63.9 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.546 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

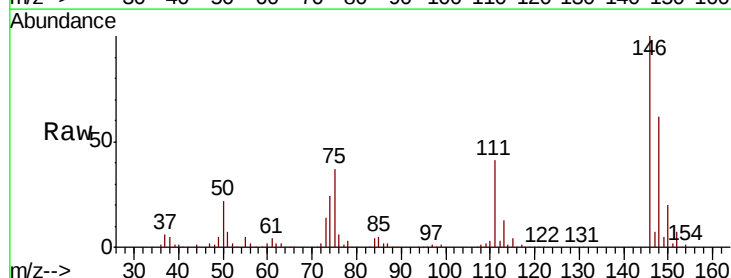
Tgt Ion:146 Resp: 200260

Ion Ratio Lower Upper

146 100

111 40.6 28.4 52.8

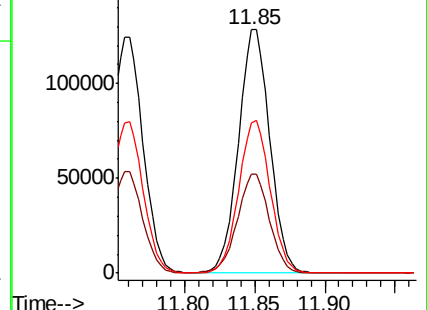
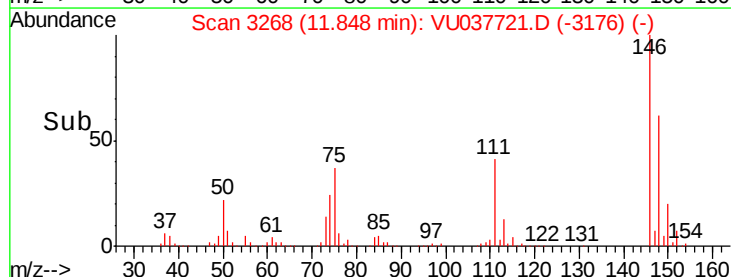
148 61.7 44.9 83.3

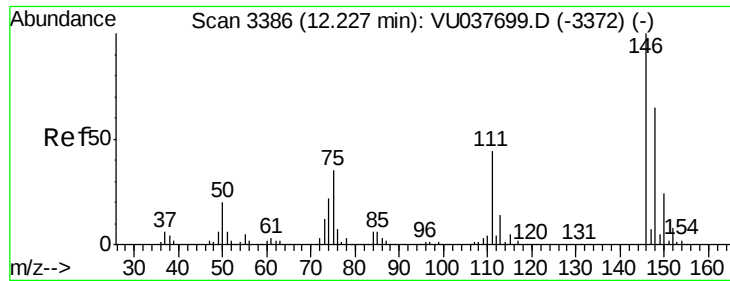


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.475 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampled :

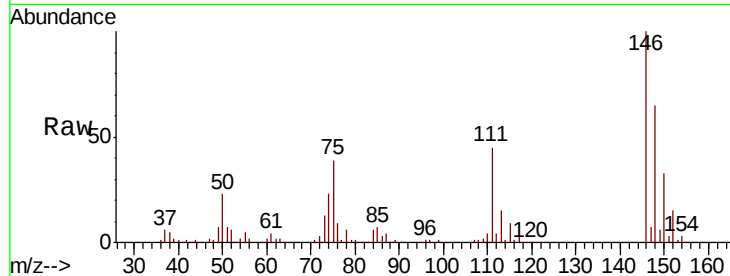
Tot Ion:146 Resp: 185072

Ion Ratio Lower Upper

146 100

111 44.6 35.0 52.6

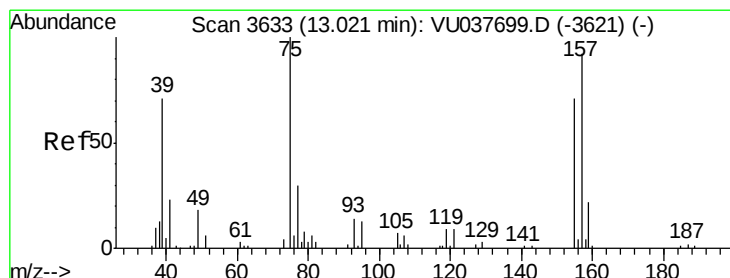
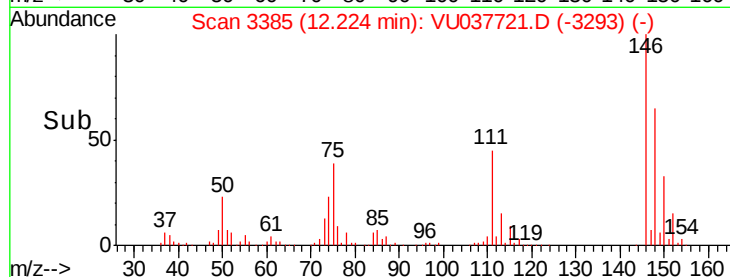
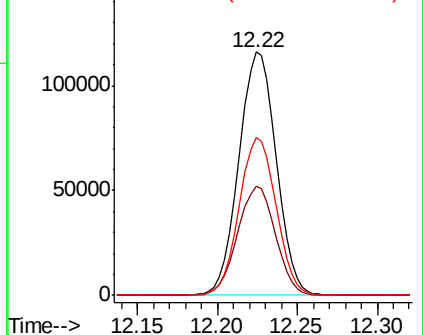
148 64.9 51.5 77.3



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: 4.566 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

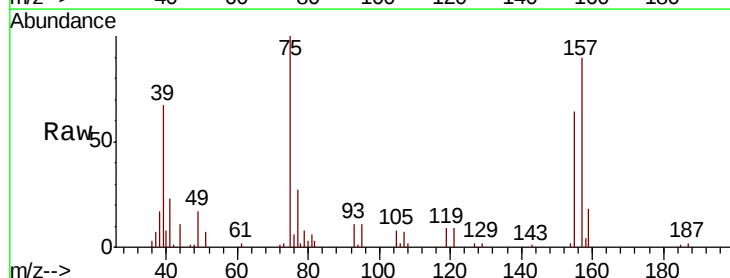
Tgt Ion: 75 Resp: 17504

Ion Ratio Lower Upper

75 100

155 63.6 57.9 86.9

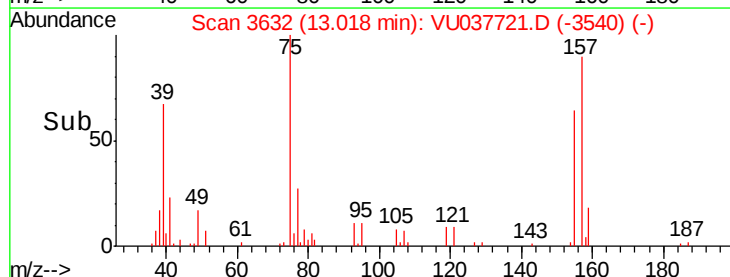
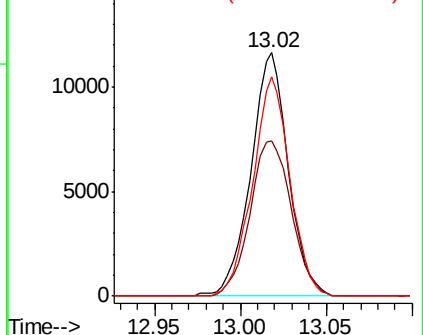
157 90.2 79.8 119.8

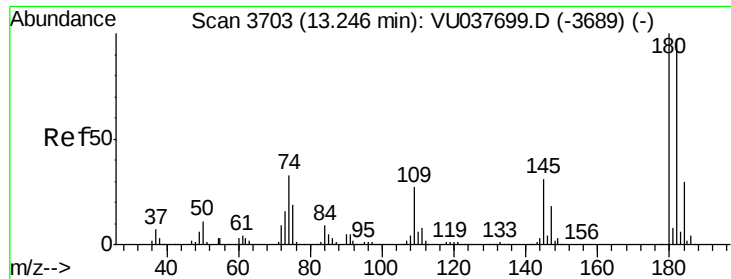


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

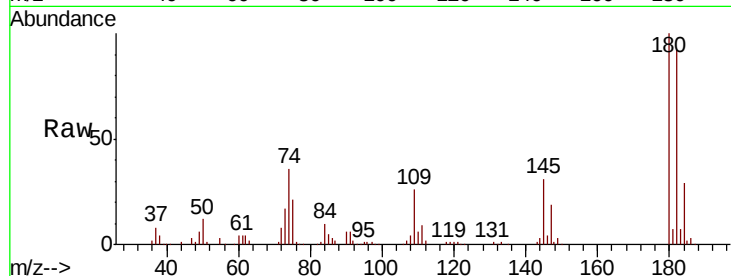




#67
 1,3,5-Trichlorobenzene
 Concen: 4.514 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.1	115.7
184	29.2	24.7	37.1
145	29.9	24.6	37.0



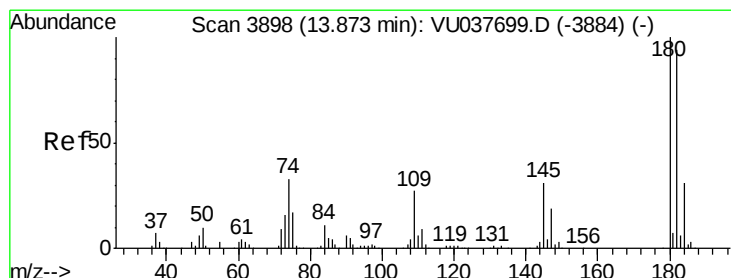
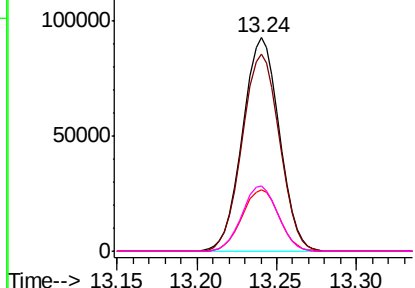
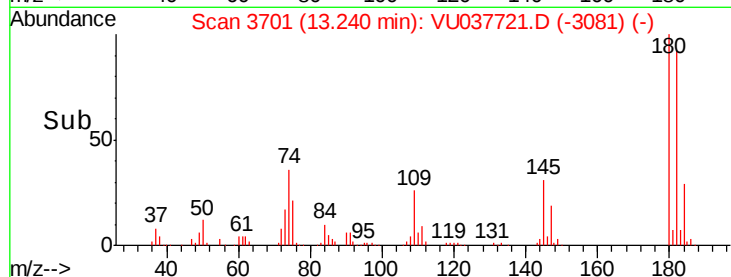
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

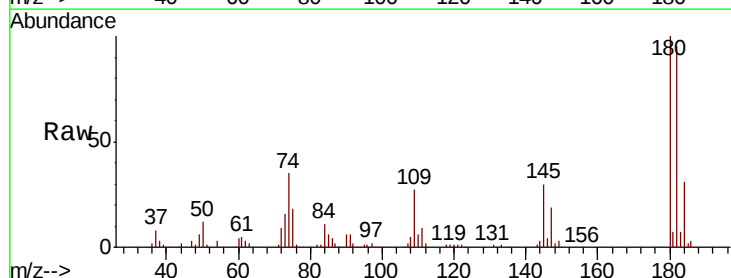
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.481 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037721.D
 Acq: 15 Apr 2020 00:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	30.7	25.1	37.7

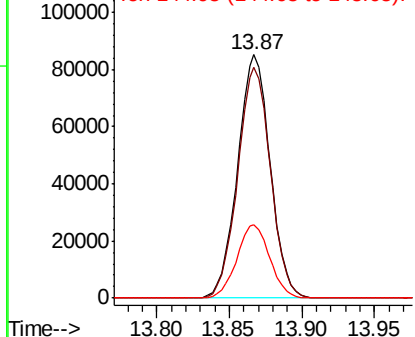
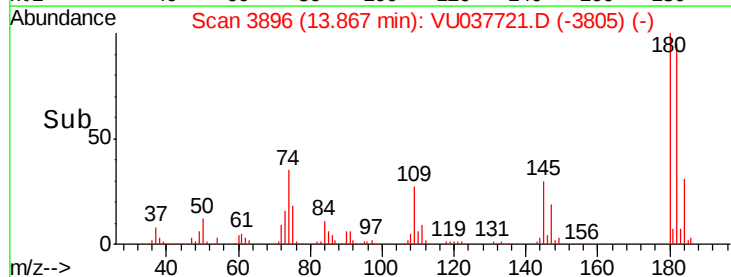


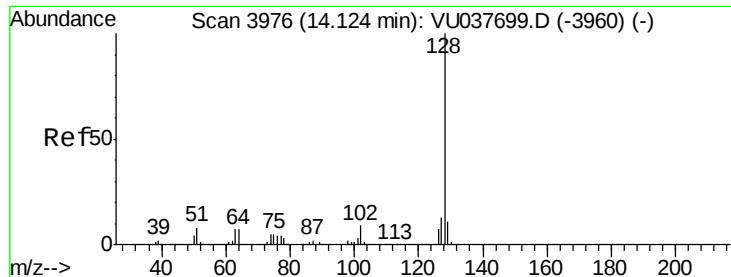
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.475 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

Instrument :

MSVOA_U

ClientSampleId :

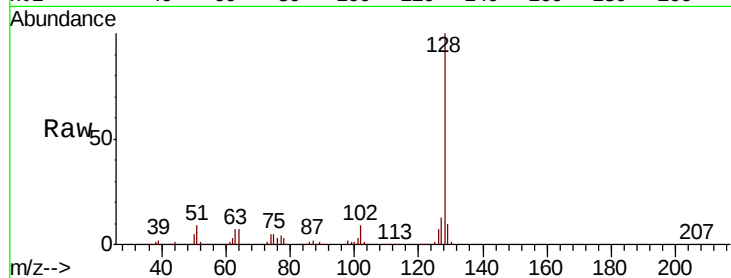
Tot Ion:128 Resp: 268006

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

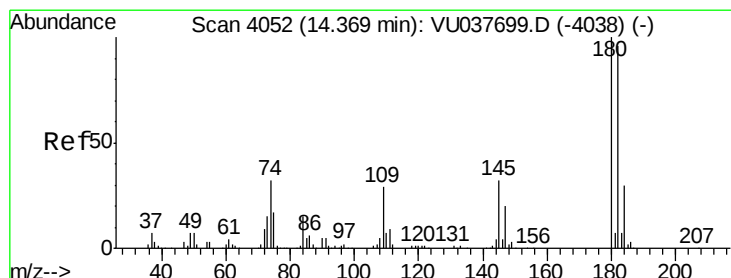
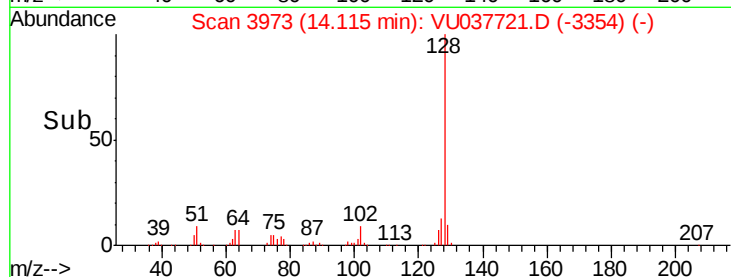
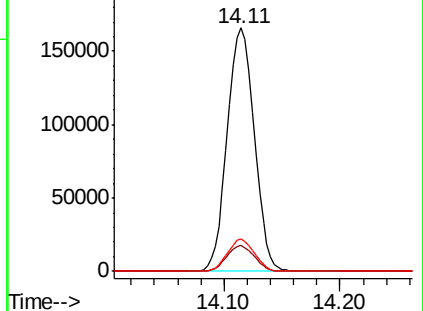
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.551 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037721.D

Acq: 15 Apr 2020 00:48

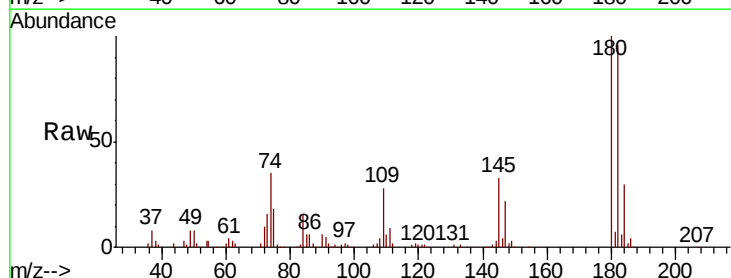
Tgt Ion:180 Resp: 119912

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 33.0 26.7 40.1



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

