

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041420\
 Data File : VU037697.D
 Acq On : 14 Apr 2020 12:52
 Operator : JC/MD
 Sample : VSTD02003
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 14 14:05:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 14 13:56:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	321206	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	310087	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	156785	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	512799	19.14	ug/L	0.00
7) Chloroethane-d5	1.92	69	428920	20.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	884108	18.68	ug/L	0.00
20) 2-Butanone-d5	4.66	46	1408381	193.66	ug/L	0.00
24) Chloroform-d	5.10	84	821116	18.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	458658	18.34	ug/L	0.00
32) Benzene-d6	5.76	84	1743828	18.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	573460	18.57	ug/L	0.00
41) Toluene-d8	7.92	98	1582596	18.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	255367	18.56	ug/L	0.00
46) 2-Hexanone-d5	8.65	63	1359223	199.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	470213	18.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	575782	18.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	550273	21.469 ug/L	99
3) Chloromethane	1.54	50	666024	24.254 ug/L	100
5) Vinyl chloride	1.62	62	667252	24.206 ug/L	99
6) Bromomethane	1.86	94	372737	27.337 ug/L	99
8) Chloroethane	1.94	64	391244	23.034 ug/L	99
9) Trichlorofluoromethane	2.15	101	700209	18.299 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	424664	19.426 ug/L	99
12) 1,1-Dichloroethene	2.60	96	432051	20.219 ug/L	95
13) Acetone	2.65	43	824572	196.474 ug/L	98
14) Carbon disulfide	2.82	76	1562842	21.706 ug/L	100
15) Methyl Acetate	2.98	43	237096	19.082 ug/L	99
16) Methylene chloride	3.08	84	484820	19.384 ug/L	100
17) Methyl tert-butyl Ether	3.40	73	1264019	20.831 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	468895	20.110 ug/L	99
19) 1,1-Dichloroethane	3.91	63	914409	20.789 ug/L	99
21) 2-Butanone	4.74	43	1568812	211.069 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	508962	20.072 ug/L	100
23) Bromochloromethane	5.01	128	215157	19.527 ug/L	98
25) Chloroform	5.13	83	853119	19.102 ug/L	99
27) 1,2-Dichloroethane	5.83	62	580723	20.113 ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	724044	18.289 ug/L	99
30) Cyclohexane	5.42	56	895130	20.133 ug/L	99
31) Carbon tetrachloride	5.56	117	583889	18.278 ug/L	99
33) Benzene	5.81	78	1973410	19.853 ug/L	100
34) Trichloroethene	6.57	95	484578	18.617 ug/L	98
35) Methylcyclohexane	6.79	83	871685	19.852 ug/L	99
37) 1,2-Dichloropropane	6.82	63	526542	19.721 ug/L	100
38) Bromodichloromethane	7.13	83	636504	18.800 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	833017	20.156 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	3980144	210.765 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

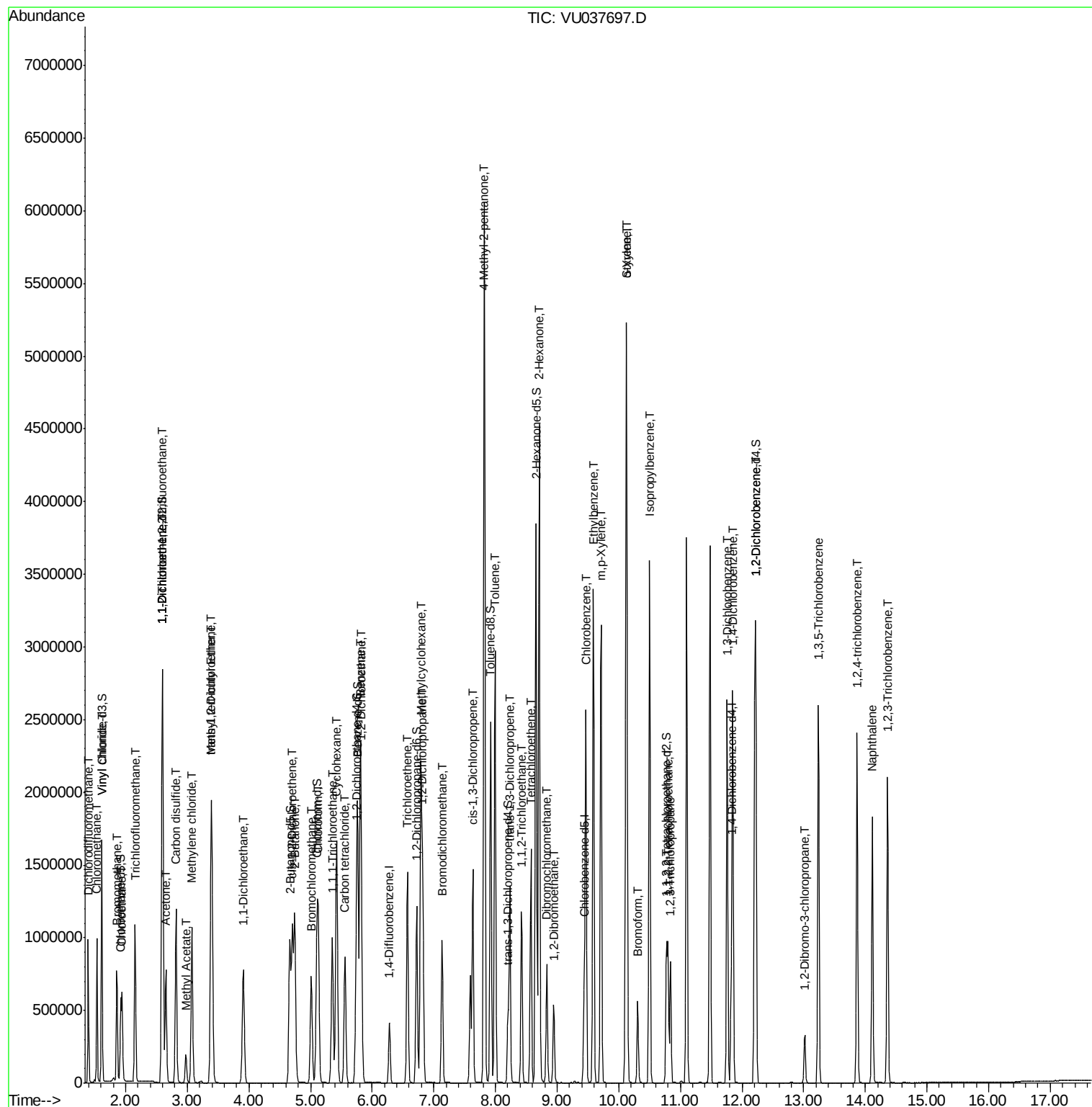
42) Toluene	7.99	91	2063173	19.557	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	721058	20.086	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	352843	19.021	ug/L	99
47) Tetrachloroethene	8.57	164	349741	20.409	ug/L	98
48) 2-Hexanone	8.71	43	2826033	207.209	ug/L	100
49) Dibromochloromethane	8.83	129	412502	18.785	ug/L	98
50) 1,2-Dibromoethane	8.95	107	342908	19.031	ug/L #	99
51) Chlorobenzene	9.47	112	1277248	19.657	ug/L	99
52) Ethylbenzene	9.59	91	2342021	19.567	ug/L	98
53) m,p-Xylene	9.71	106	884131	19.624	ug/L	99
54) o-Xylene	10.12	106	865039	19.937	ug/L	99
55) Styrene	10.13	104	1517366	20.241	ug/L	100
56) Isopropylbenzene	10.50	105	2286978	19.343	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	476315	19.124	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	348931	19.959	ug/L	100
61) Bromoform	10.31	173	249278	19.365	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	1011371	19.393	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1014723	19.126	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	950761	19.025	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	88940	18.660	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	775075	20.366	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	707967	20.090	ug/L	99
69) Naphthalene	14.11	128	1427668	18.522	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	625343	19.912	ug/L	100

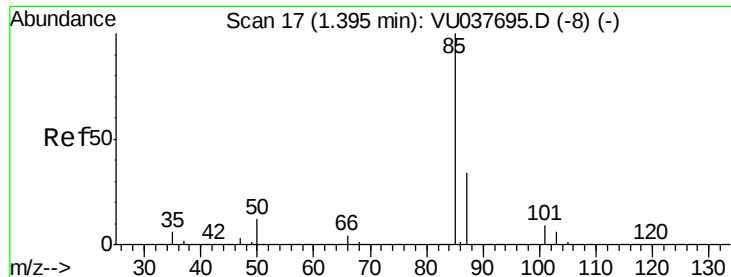
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.469 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

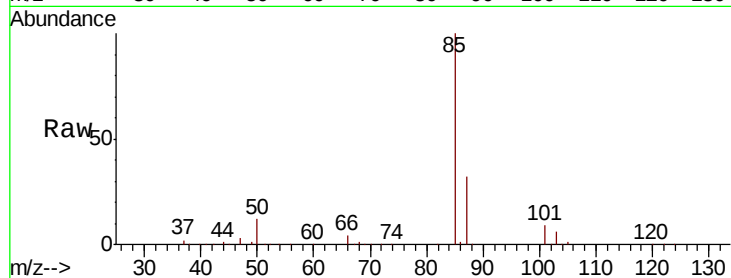
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 550273

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037697.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU037697.D (-8) (-)

1.39

600000

500000

400000

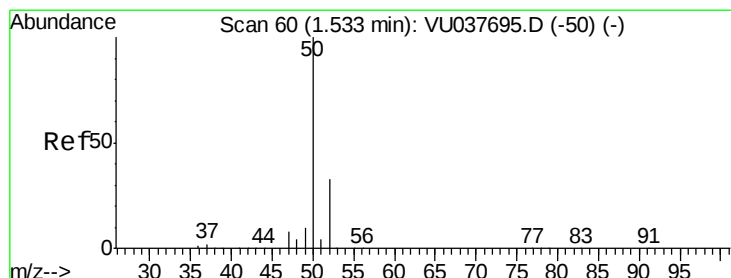
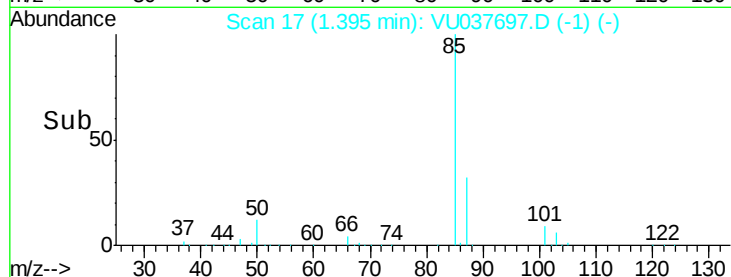
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 24.254 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037697.D

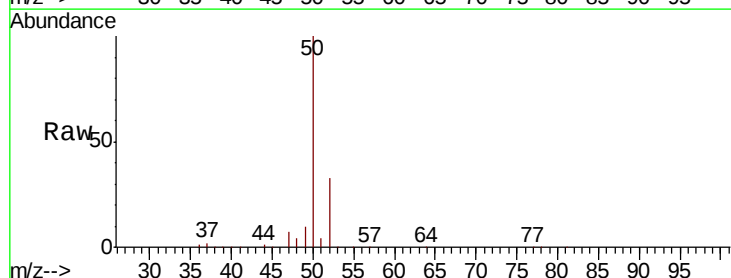
Acq: 14 Apr 2020 12:52

Tgt Ion: 50 Resp: 666024

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU037697.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU037697.D (-50) (-)

1.54

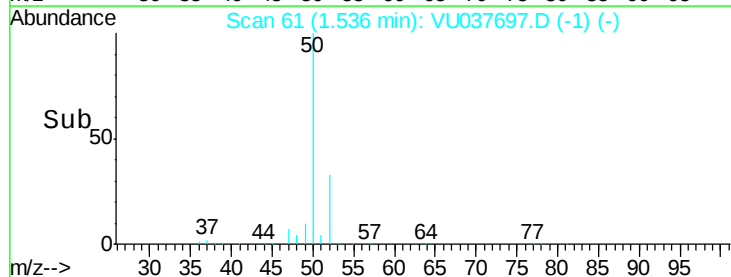
600000

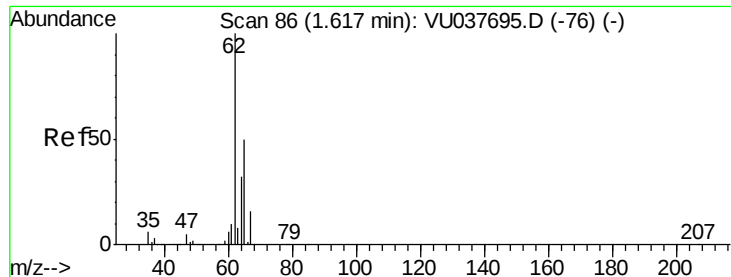
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 24.206 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

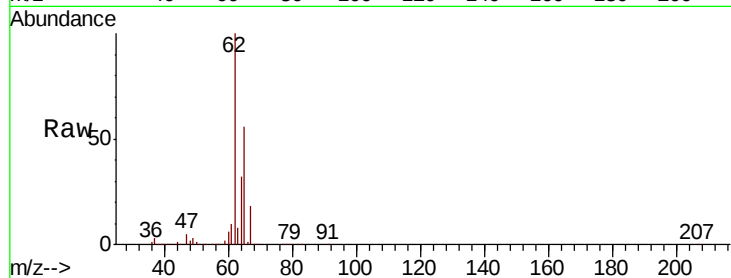
ClientSampleId :

Tot Ion: 62 Resp: 667252

Ion Ratio Lower Upper

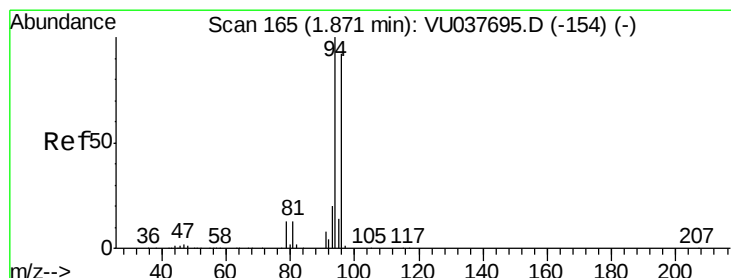
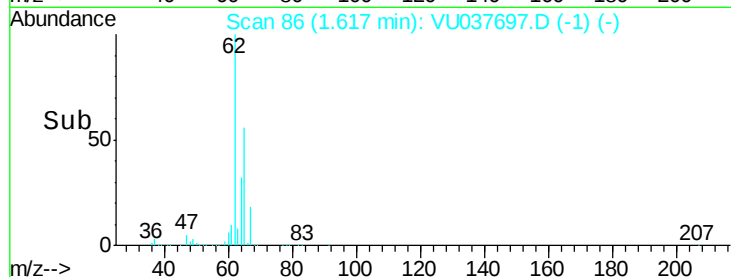
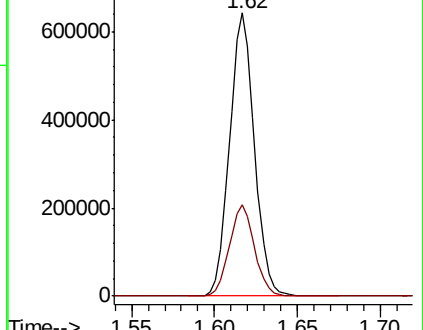
62 100

64 32.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VU037697.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU037697.D (-76) (-)



#6

Bromomethane

Concen: 27.337 ug/L

RT: 1.86 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU037697.D

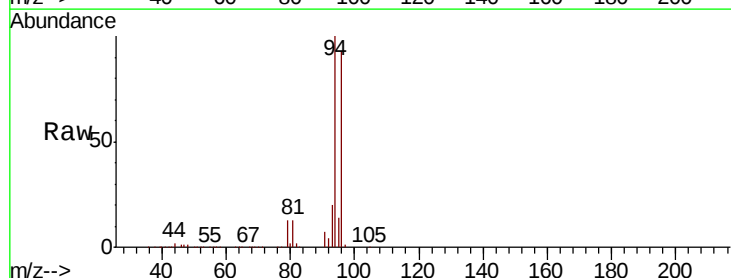
Acq: 14 Apr 2020 12:52

Tgt Ion: 94 Resp: 372737

Ion Ratio Lower Upper

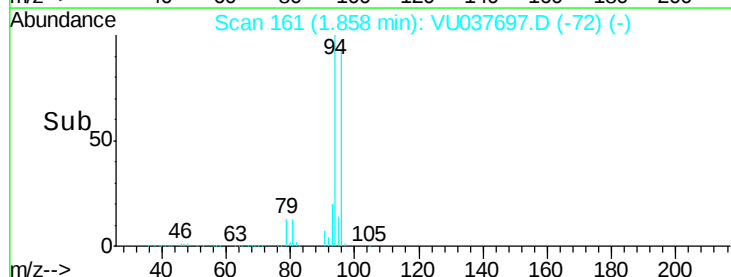
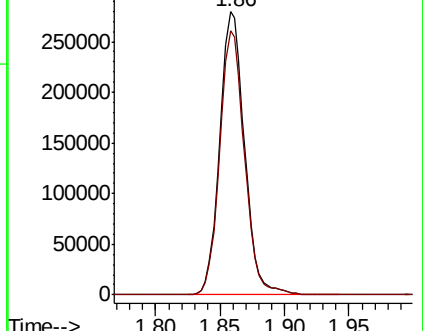
94 100

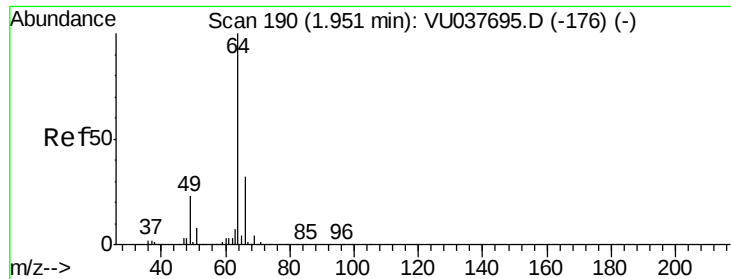
96 93.2 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU037697.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037697.D (-154) (-)





#8

Chloroethane

Concen: 23.034 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

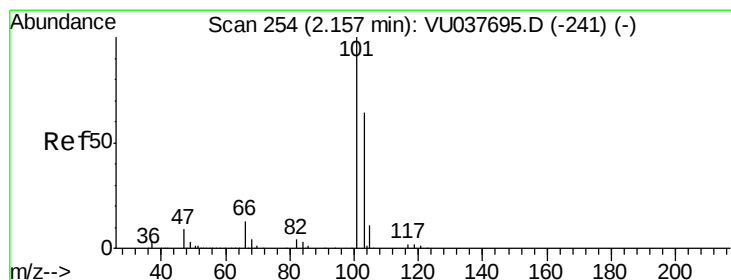
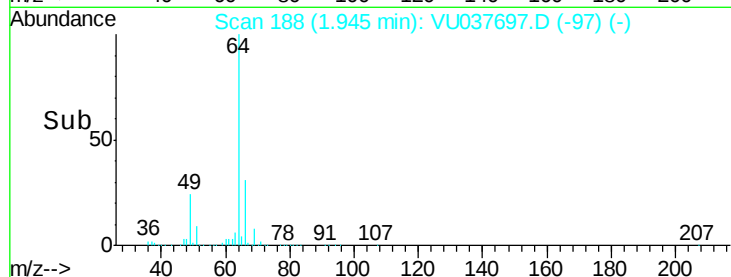
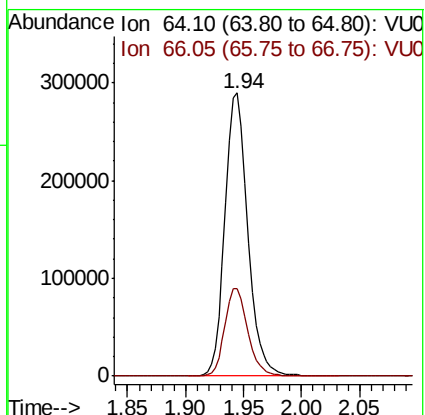
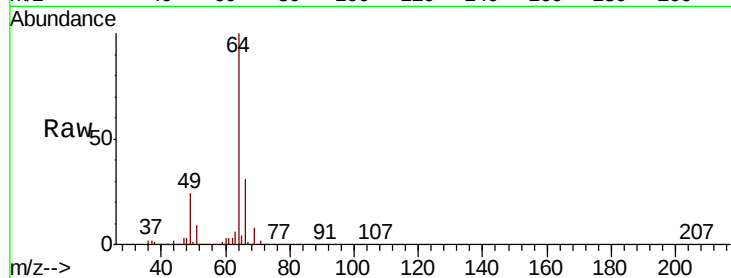
ClientSampleId :

Tot Ion: 64 Resp: 391244

Ion Ratio Lower Upper

64 100

66 31.1 22.3 41.5



#9

Trichlorofluoromethane

Concen: 18.299 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU037697.D

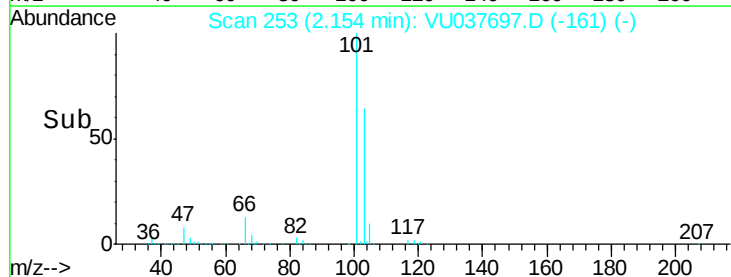
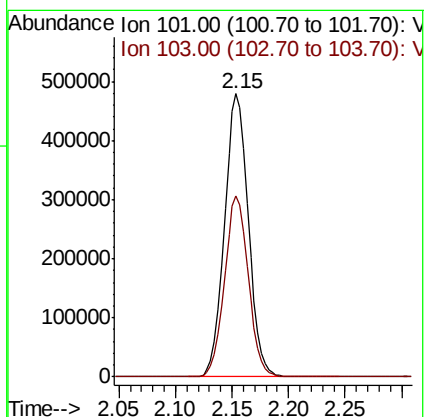
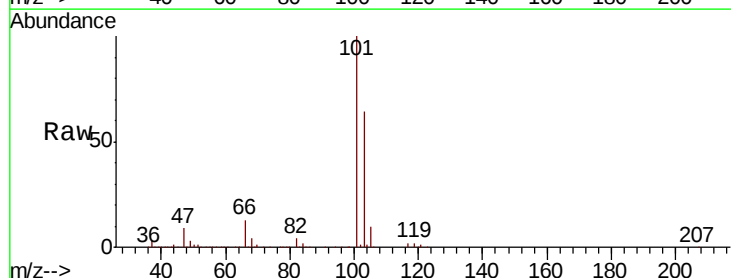
Acq: 14 Apr 2020 12:52

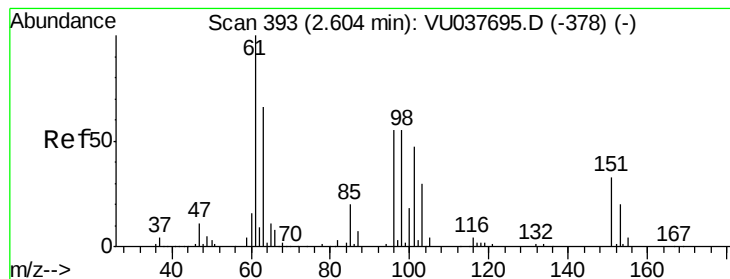
Tgt Ion:101 Resp: 700209

Ion Ratio Lower Upper

101 100

103 63.9 51.0 76.6





#10

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

Concen: 19.426 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampled :

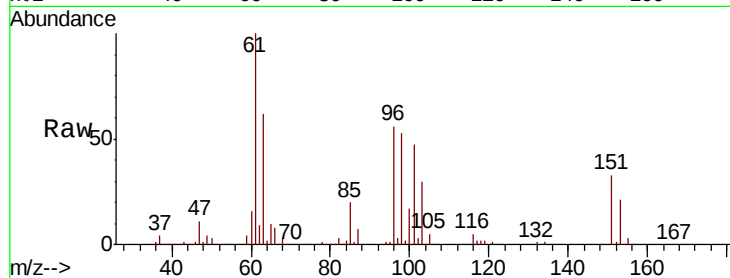
Tot Ion:101 Resp: 424664

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

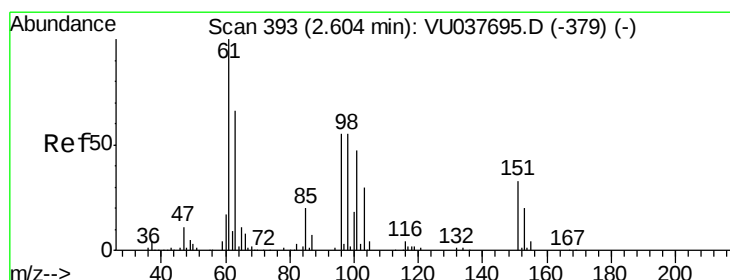
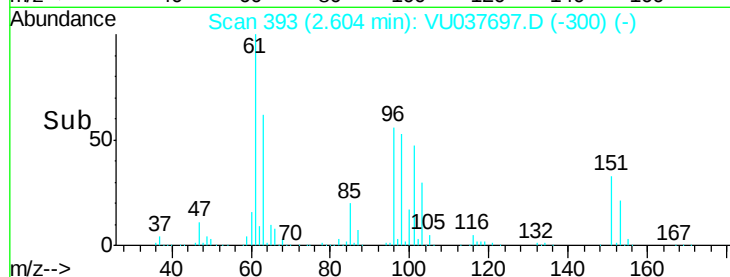
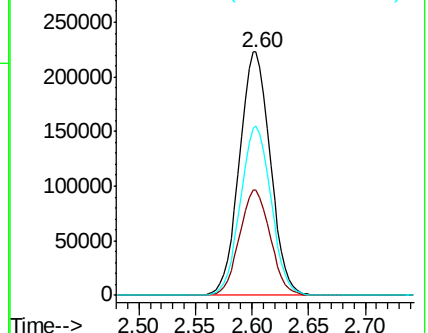
151 69.2 56.9 85.3



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: 20.219 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

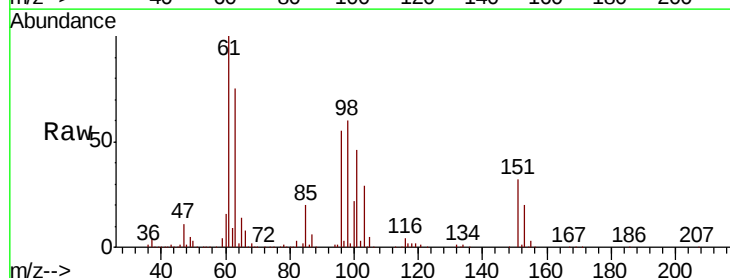
Tgt Ion: 96 Resp: 432051

Ion Ratio Lower Upper

96 100

61 182.4 127.7 237.3

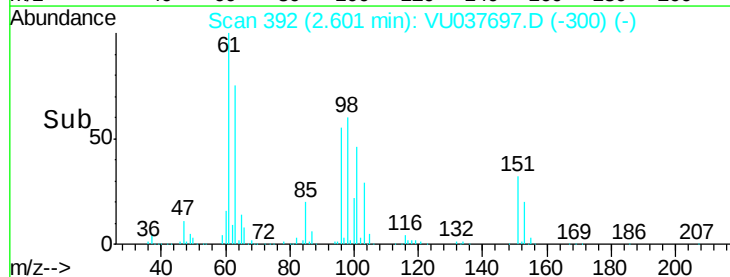
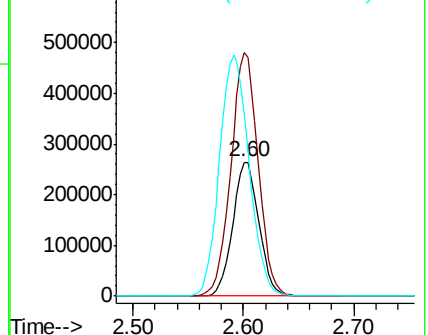
63 136.0 85.0 157.8

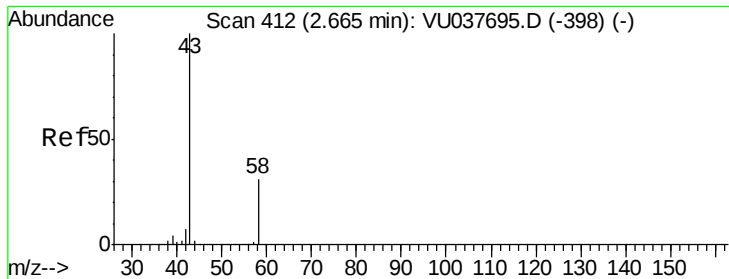


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 196.474 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

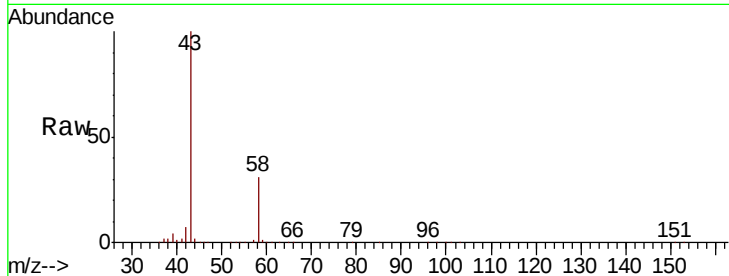
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 824572

Ion Ratio Lower Upper

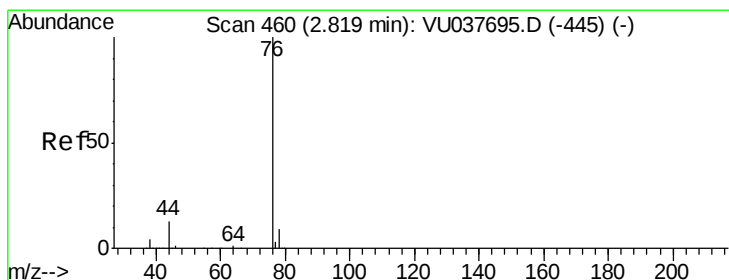
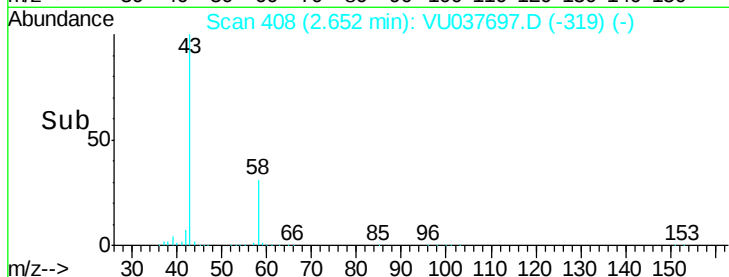
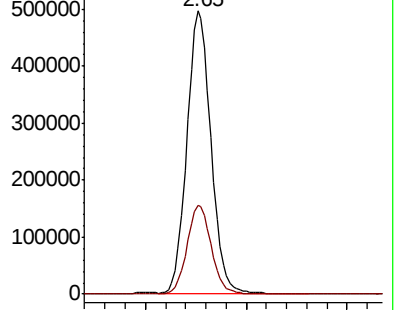
43 100

58 31.3 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037697.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU037697.D (-398) (-)



#14

Carbon disulfide

Concen: 21.706 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037697.D

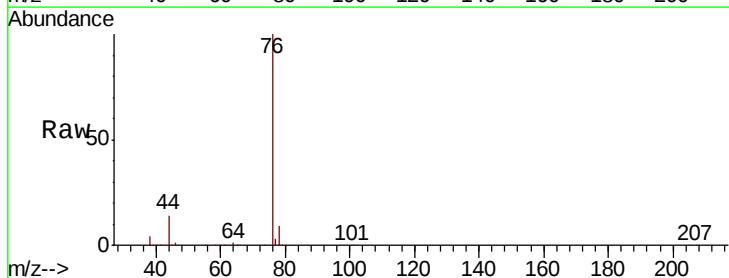
Acq: 14 Apr 2020 12:52

Tgt Ion: 76 Resp: 1562842

Ion Ratio Lower Upper

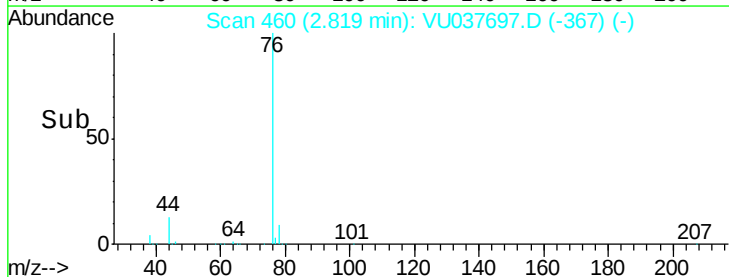
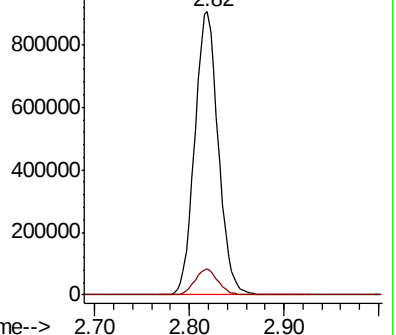
76 100

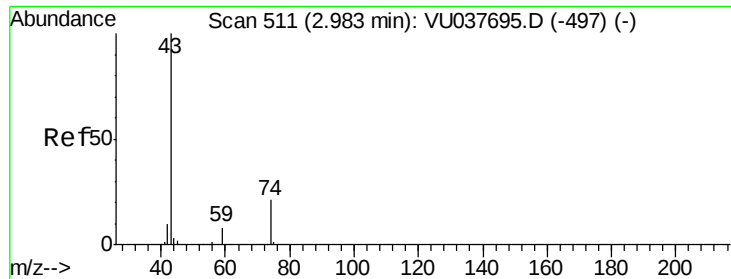
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU037697.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037697.D (-367) (-)

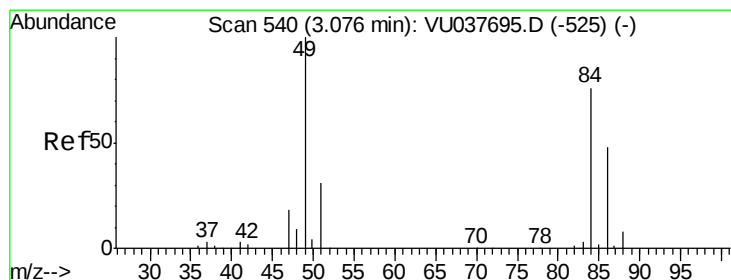
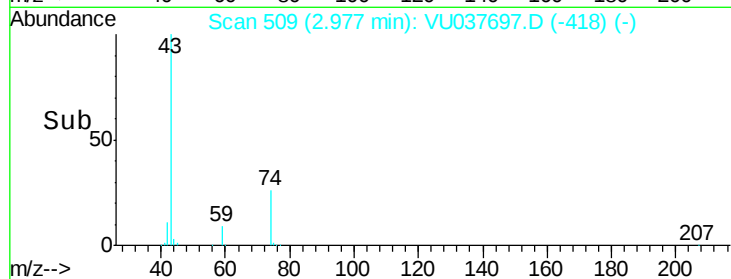
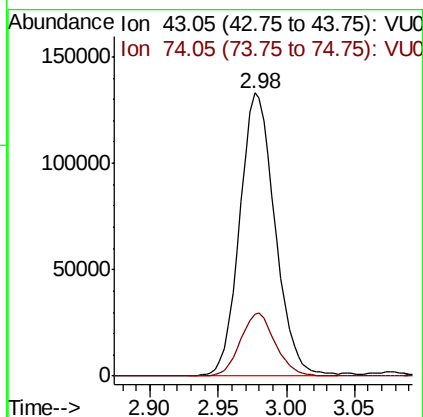
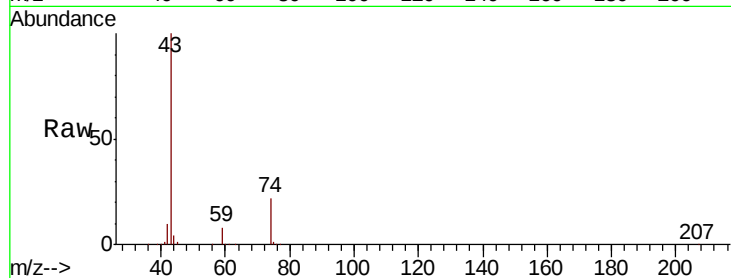




#15
Methvl Acetate
Concen: 19.082 ug/L
RT: 2.98 min Scan# 509
Delta R.T. -0.01 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

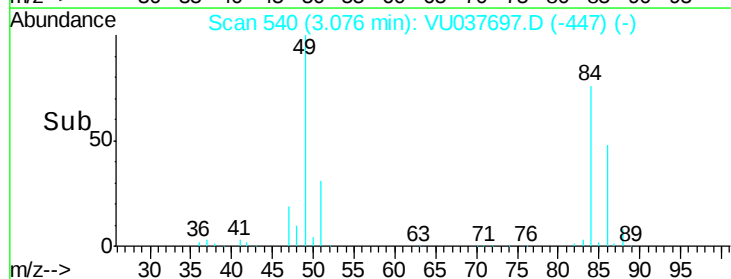
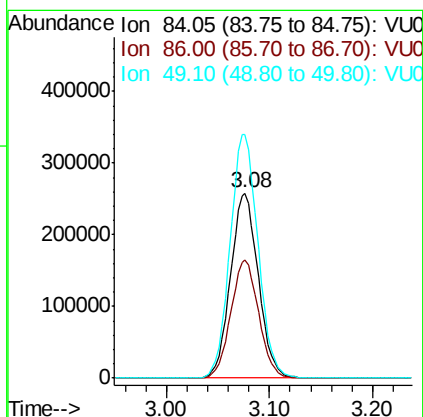
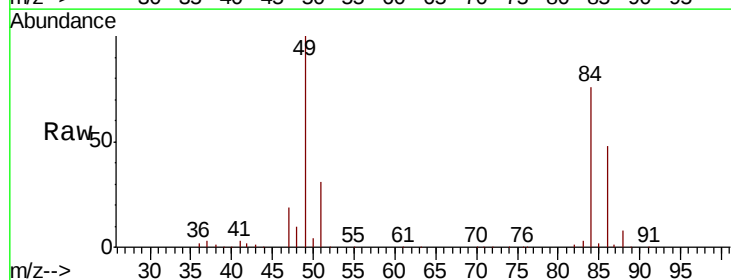
Instrument :
MSVOA_U
ClientSampled :

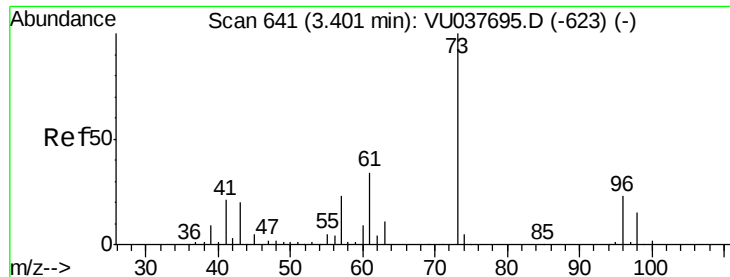
Tot Ion: 43 Resp: 237096
Ion Ratio Lower Upper
43 100
74 22.1 17.2 25.8



#16
Methylene chloride
Concen: 19.384 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 84 Resp: 484820
Ion Ratio Lower Upper
84 100
86 63.8 44.2 82.0
49 131.7 92.4 171.6

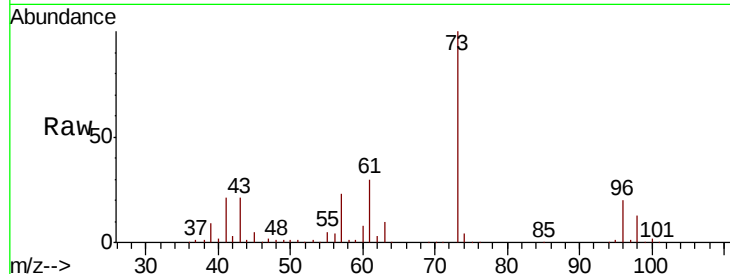




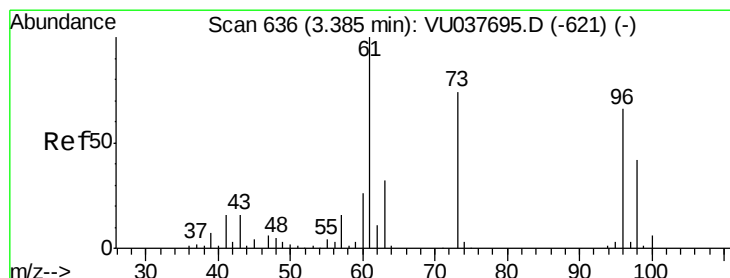
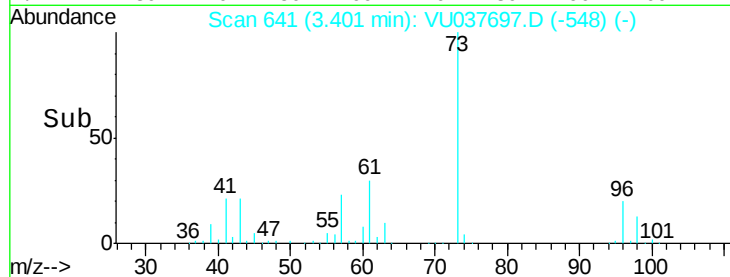
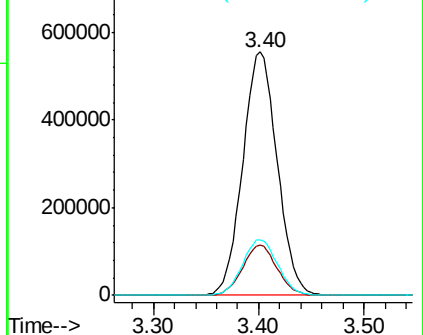
#17
Methvl tert-butvl Ether
Concen: 20.831 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 1264019
Ion Ratio Lower Upper
73 100
43 20.6 16.4 24.6
57 23.4 18.4 27.6

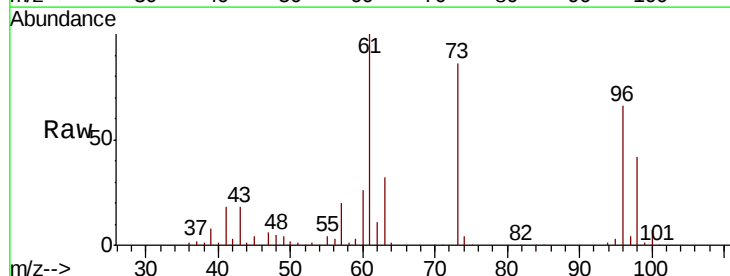


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

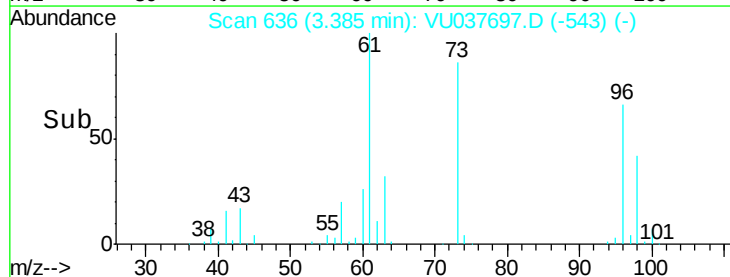
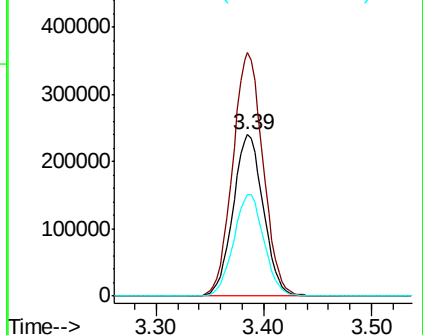


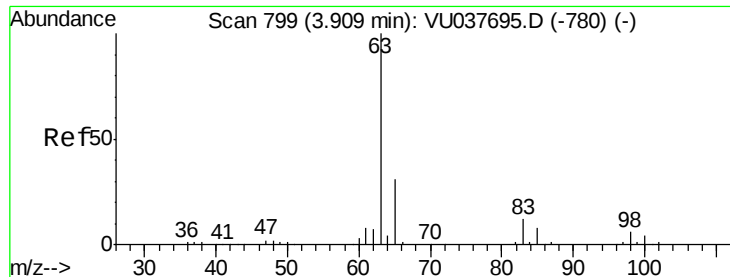
#18
trans-1,2-Dichloroethene
Concen: 20.110 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 96 Resp: 468895
Ion Ratio Lower Upper
96 100
61 150.9 106.7 198.3
98 63.2 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: 20.789 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampled :

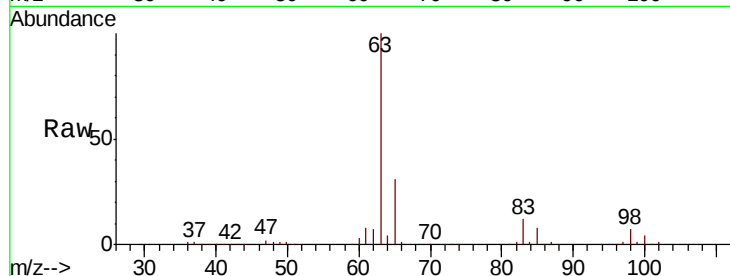
Tot Ion: 63 Resp: 914409

Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.2

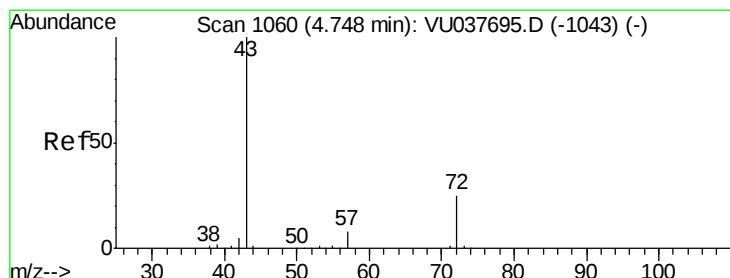
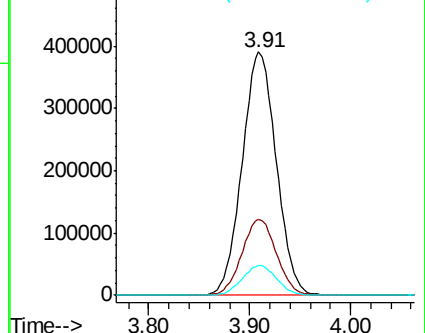
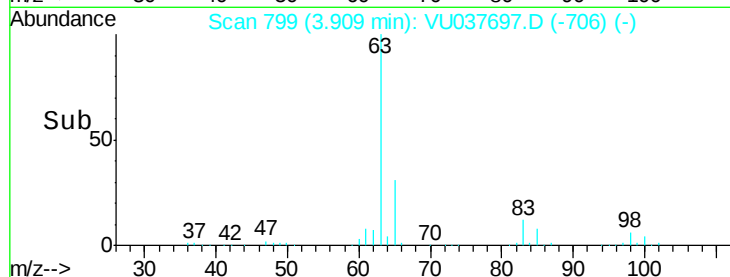
83 12.3 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU037697.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU037697.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU037697.D (-706) (-)



#21

2-Butanone

Concen: 211.069 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VU037697.D

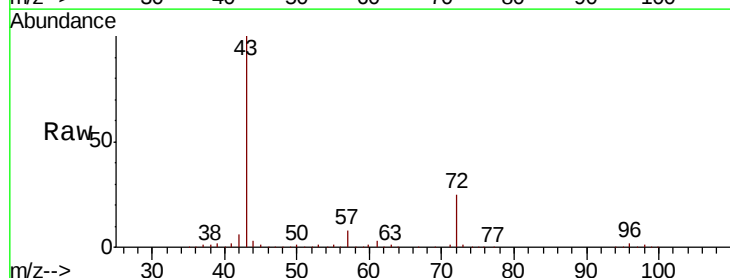
Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 1568812

Ion Ratio Lower Upper

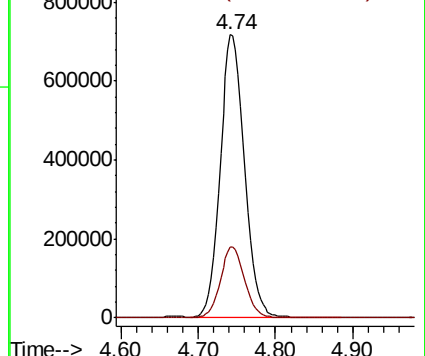
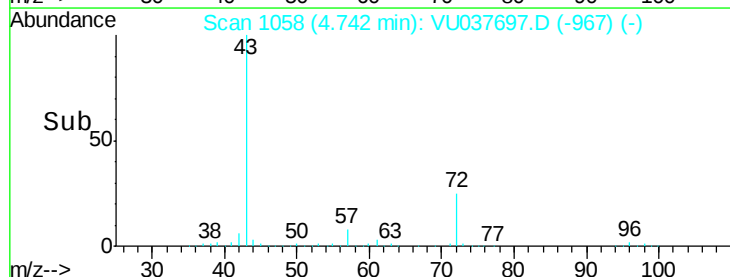
43 100

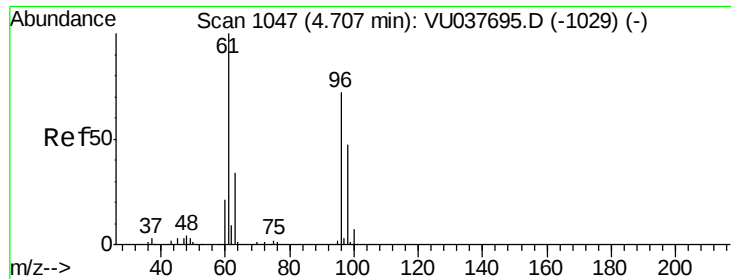
72 25.2 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU037697.D (-967) (-)

Ion 72.10 (71.80 to 72.80): VU037697.D (-967) (-)





#22

cis-1,2-Dichloroethene

Concen: 20.072 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

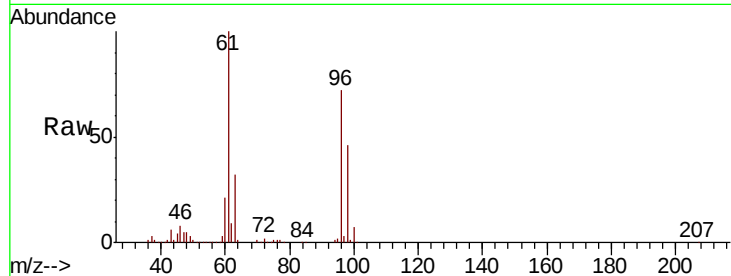
Tot Ion: 96 Resp: 508962

Ion Ratio Lower Upper

96 100

61 138.0 97.0 180.2

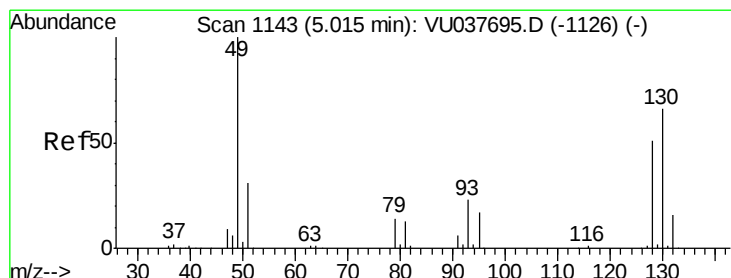
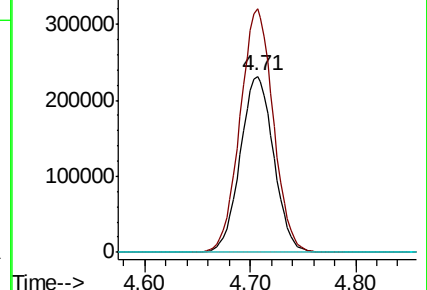
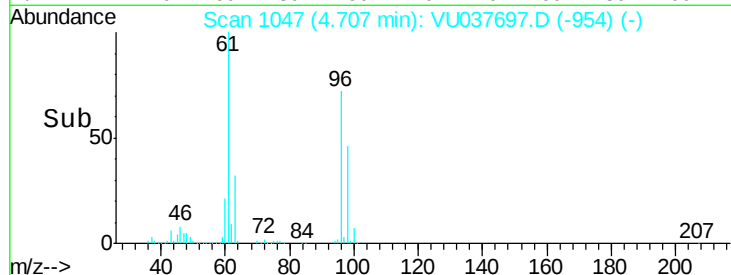
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037697.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU037697.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU037697.D (-954) (-)



#23

Bromochloromethane

Concen: 19.527 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 128 Resp: 215157

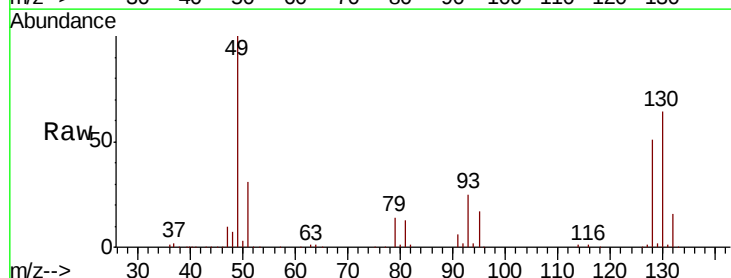
Ion Ratio Lower Upper

128 100

49 197.3 138.6 257.4

130 126.1 91.3 169.5

51 60.9 49.3 73.9

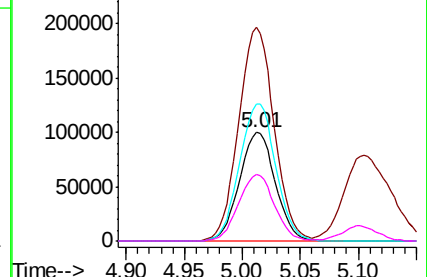
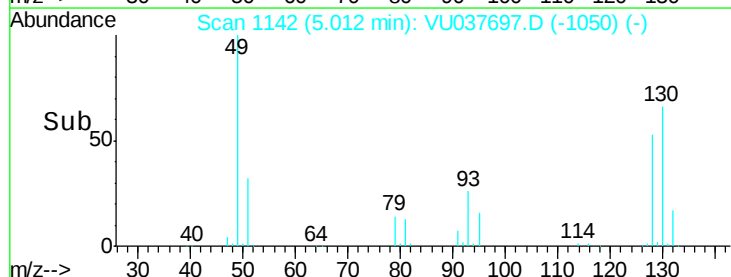


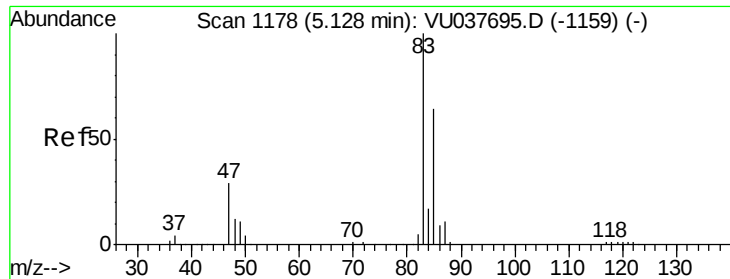
Abundance Ion 127.90 (127.60 to 128.60): VU037697.D (-1050) (-)

Ion 49.10 (48.80 to 49.80): VU037697.D (-1050) (-)

Ion 129.95 (129.65 to 130.65): VU037697.D (-1050) (-)

Ion 51.05 (50.75 to 51.75): VU037697.D (-1050) (-)

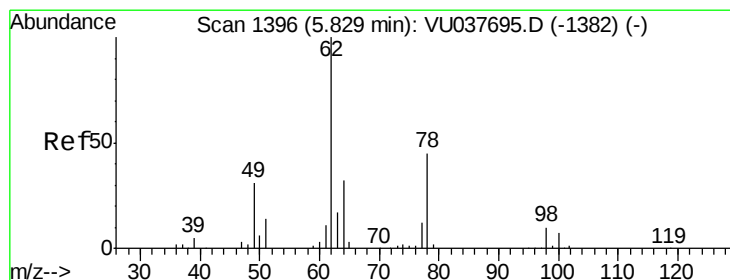
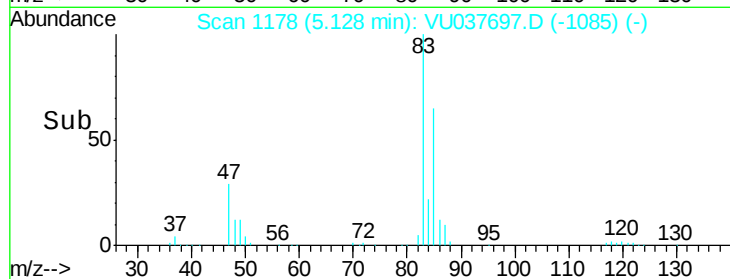
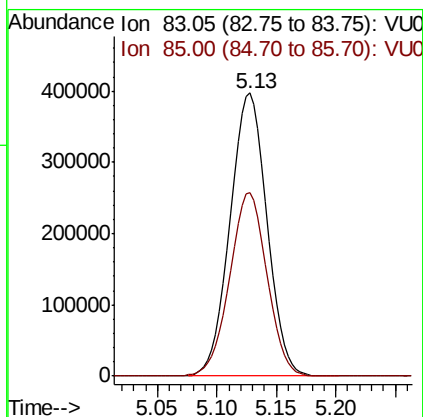
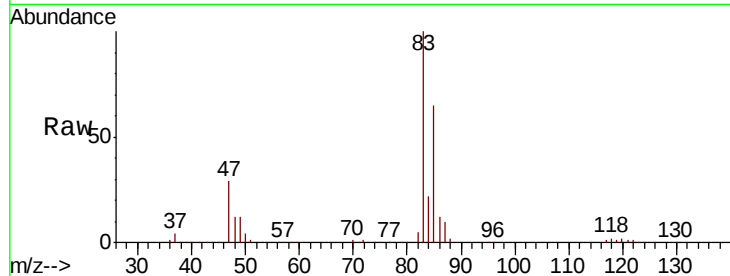




#25
Chloroform
Concen: 19.102 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

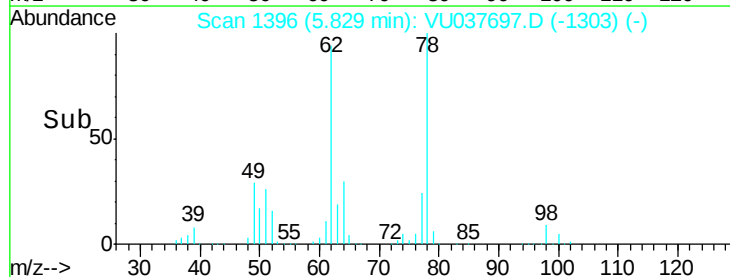
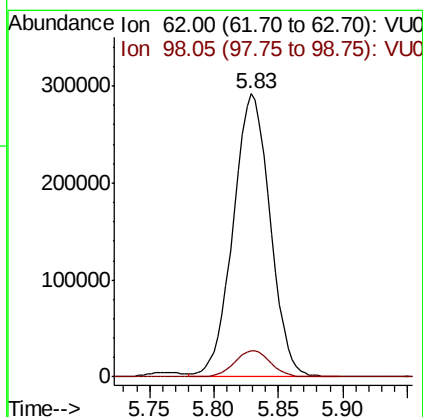
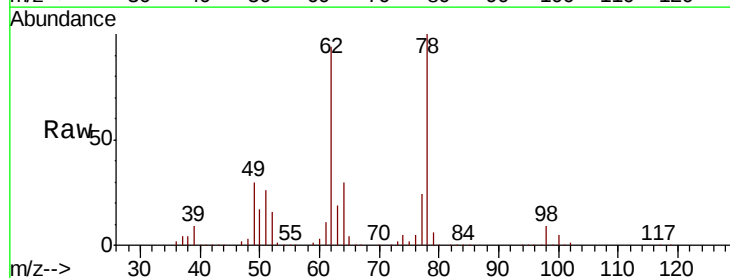
Instrument :
MSVOA_U
ClientSampleId :

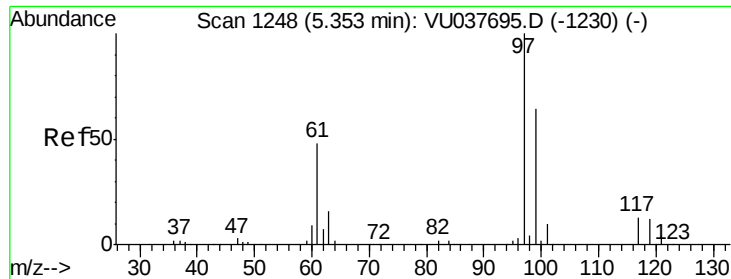
Tot Ion: 83 Resp: 853119
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.3



#27
1,2-Dichloroethane
Concen: 20.113 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 62 Resp: 580723
Ion Ratio Lower Upper
62 100
98 9.4 7.6 11.4

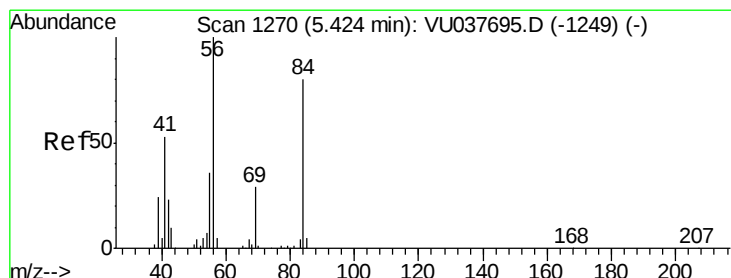
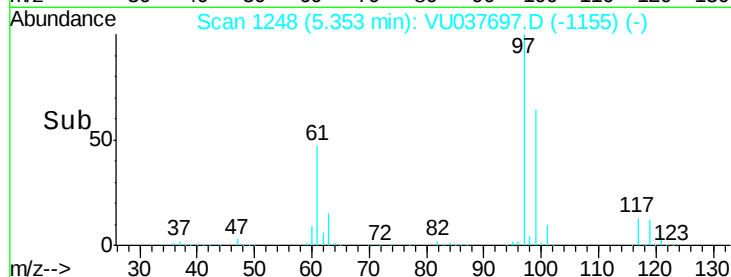
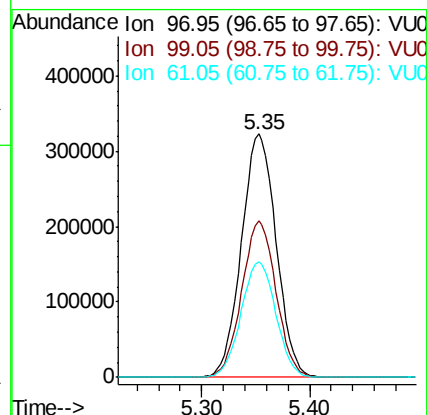
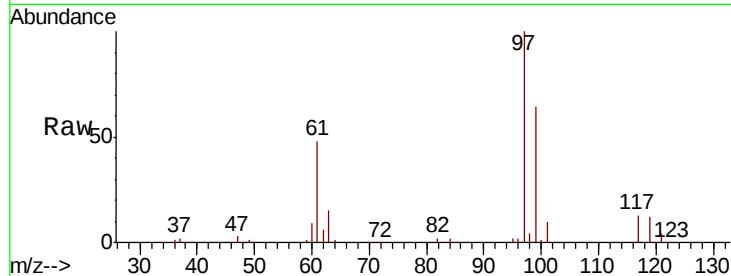




#29
 1,1,1-Trichloroethane
 Concen: 18.289 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

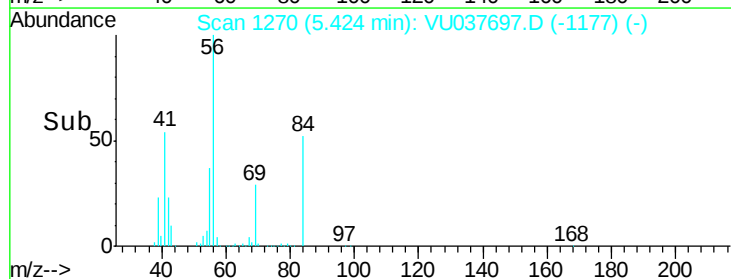
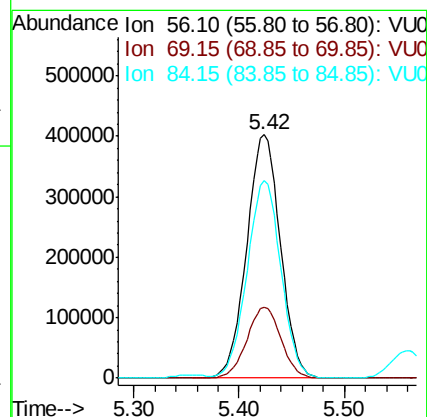
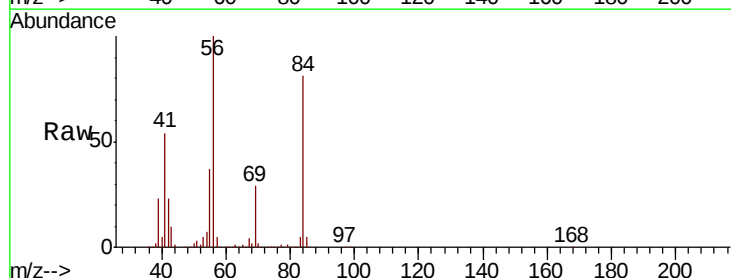
Instrument :
 MSVOA_U
 ClientSampleId :

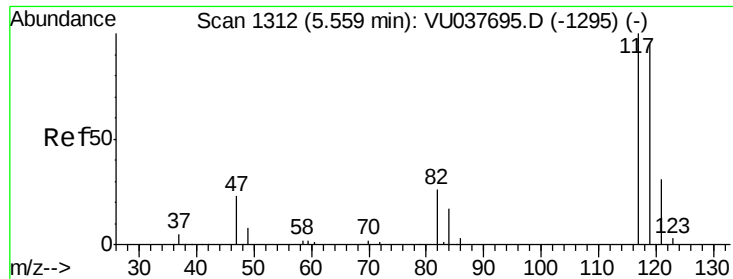
Tot Ion: 97 Resp: 724044
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.0 78.0
 61 47.6 37.8 56.8



#30
 Cyclohexane
 Concen: 20.133 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 56 Resp: 895130
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.9 35.9
 84 81.5 65.6 98.4





#31

Carbon tetrachloride

Concen: 18.278 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

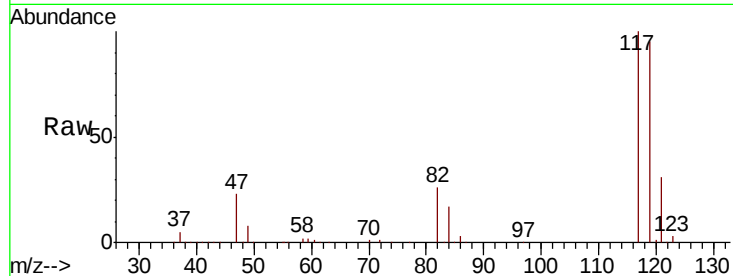
ClientSampleId :

Tot Ion:117 Resp: 583889

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

5.56

300000

250000

200000

150000

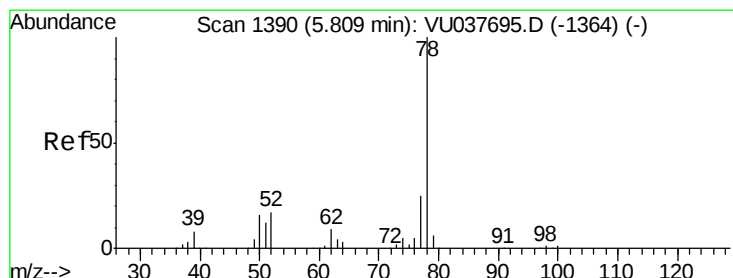
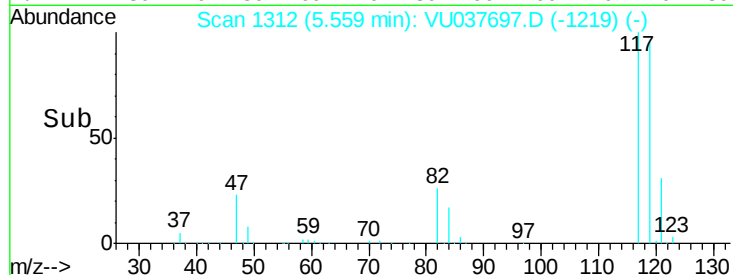
100000

50000

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 19.853 ug/L

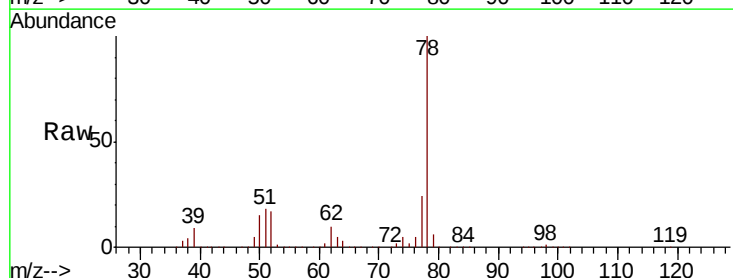
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Tgt Ion: 78 Resp: 1973410



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

1000000

800000

600000

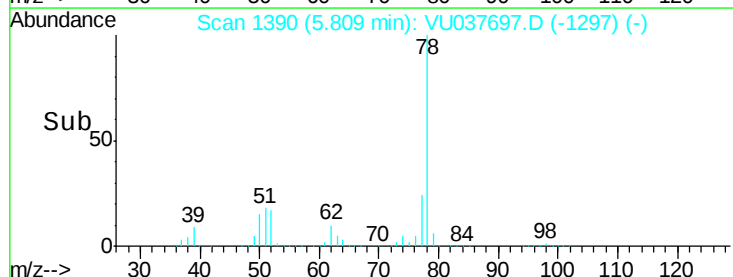
400000

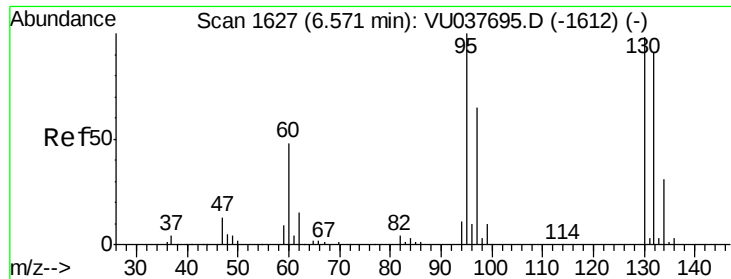
200000

0

Time-->

5.70 5.80 5.90

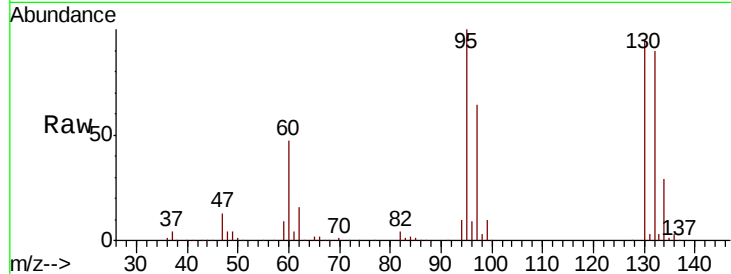




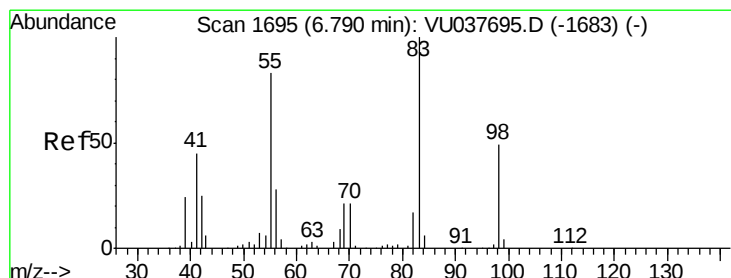
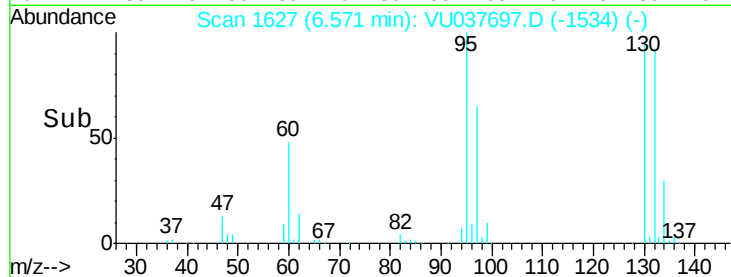
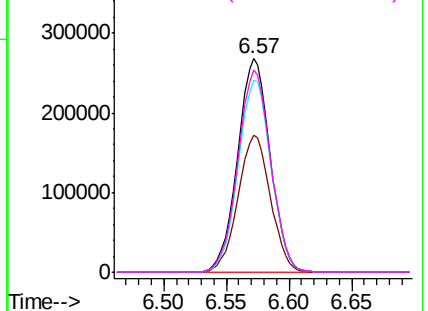
#34
 Trichloroethene
 Concen: 18.617 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 484578
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.2
 132 90.0 63.7 118.3
 130 94.8 68.7 127.5

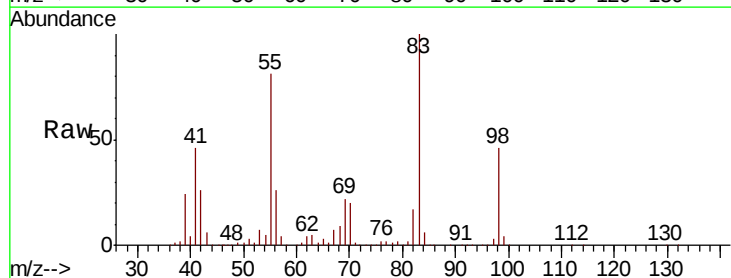


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

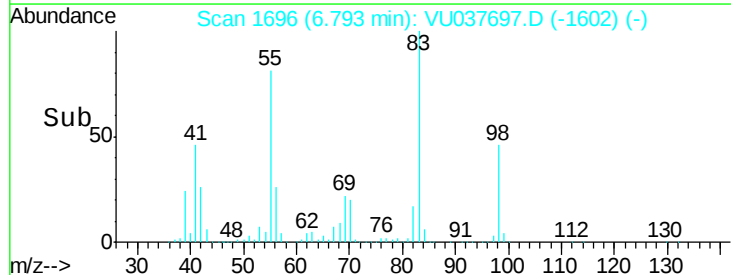
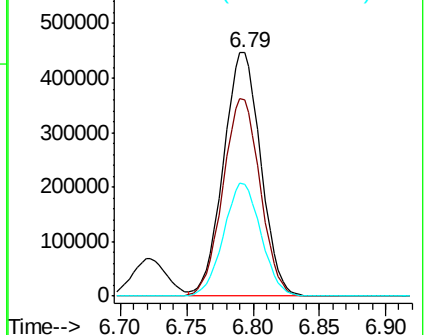


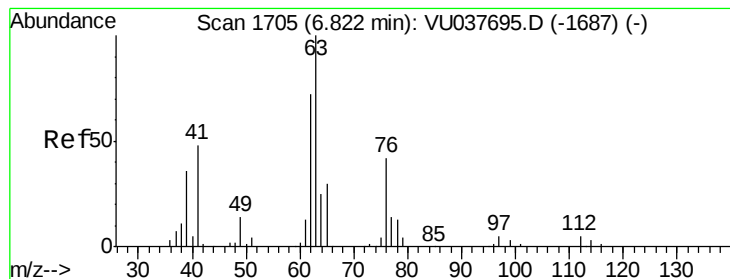
#35
 Methylcyclohexane
 Concen: 19.852 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

Tgt Ion: 83 Resp: 871685
 Ion Ratio Lower Upper
 83 100
 55 81.0 65.5 98.3
 98 46.2 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: 19.721 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

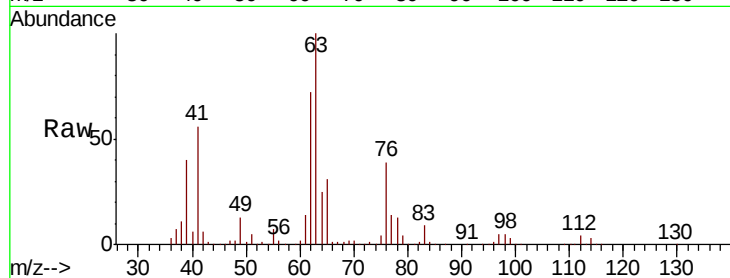
ClientSampleId :

Tot Ion: 63 Resp: 526542

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VU037697.D (-1612) (-)

Ion 112.10 (111.80 to 112.80): VU037697.D (-1612) (-)

6.82

300000

250000

200000

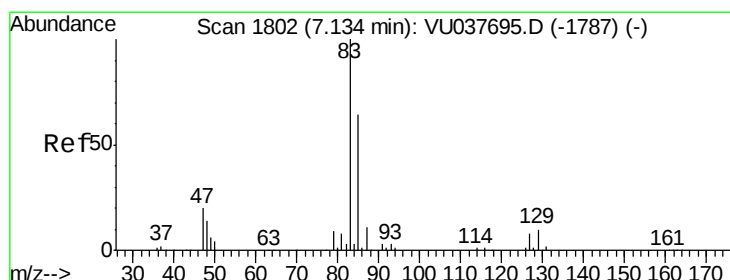
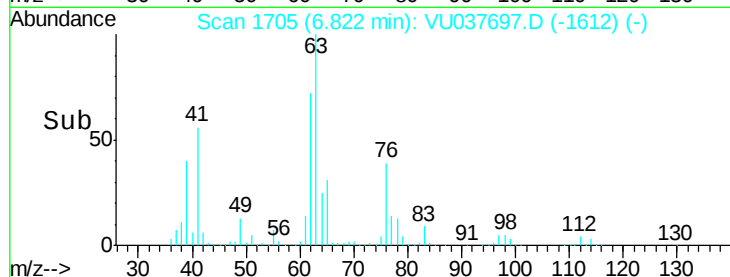
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 18.800 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

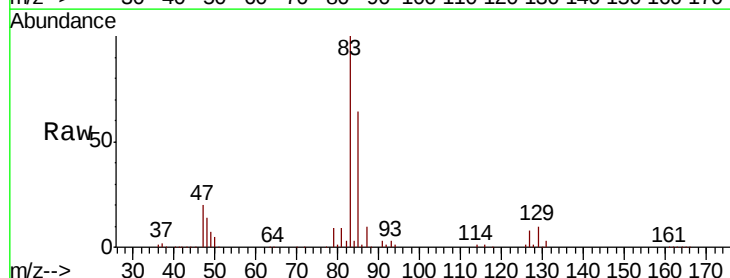
Tgt Ion: 83 Resp: 636504

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

127 7.6 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU037697.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU037697.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU037697.D (-1709) (-)

7.13

400000

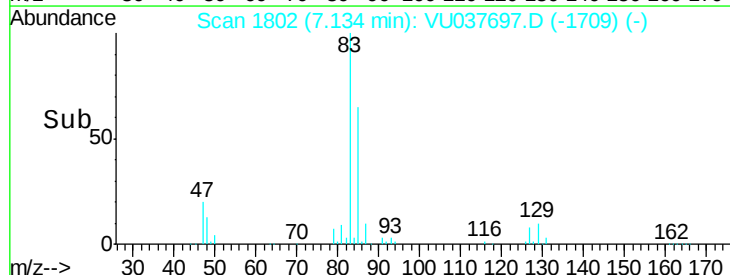
300000

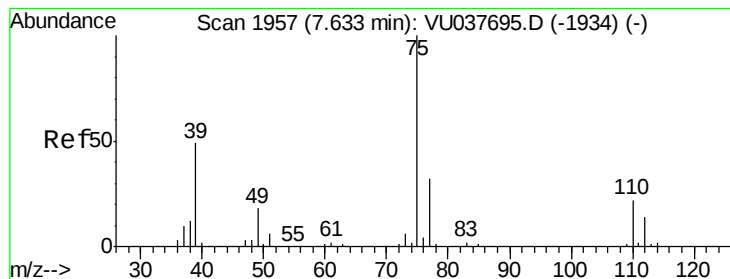
200000

100000

0

Time-->



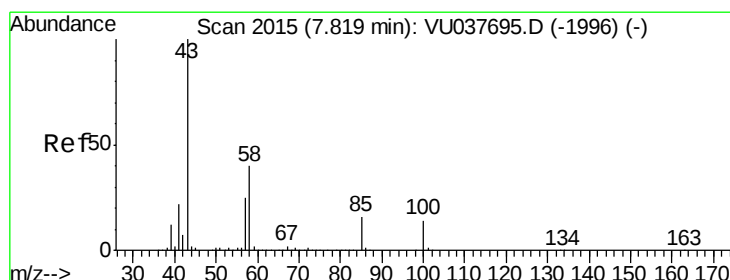
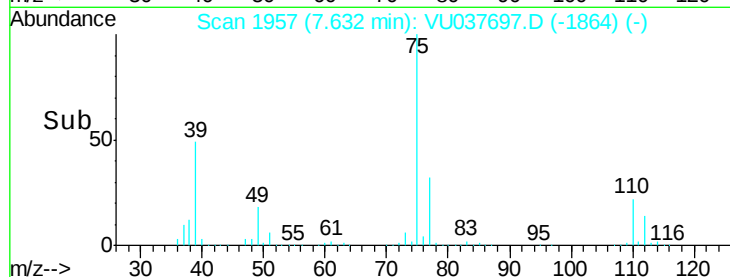
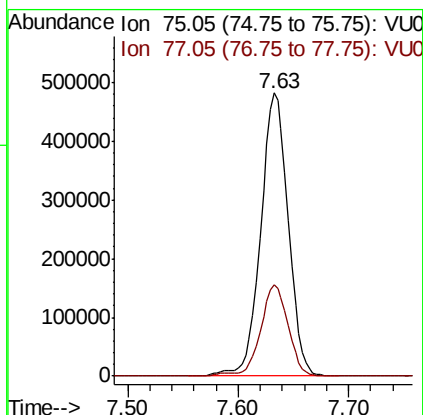
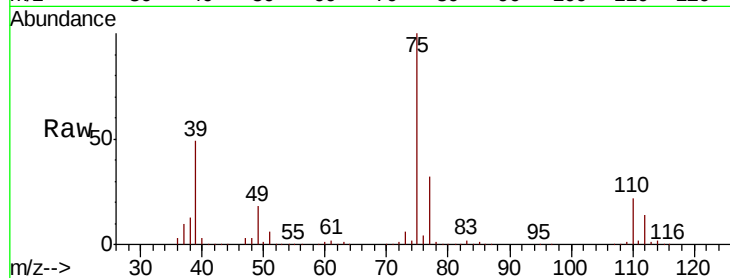


#39

cis-1,3-Dichloropropene
Concen: 20.156 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_U
ClientSampleId :

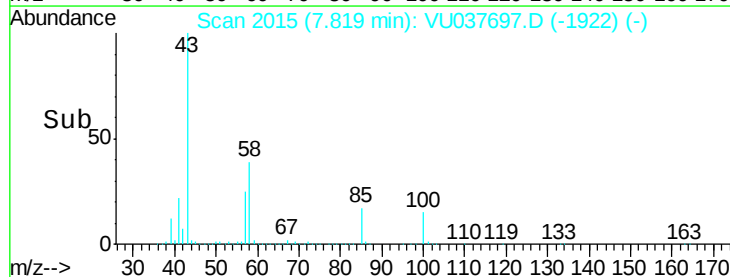
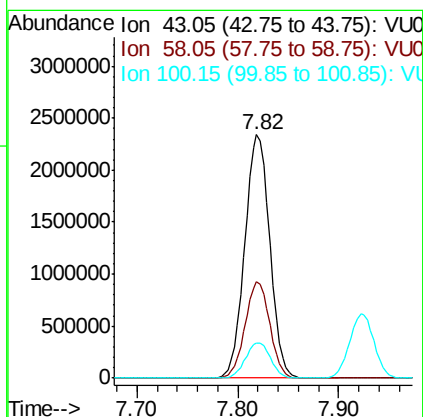
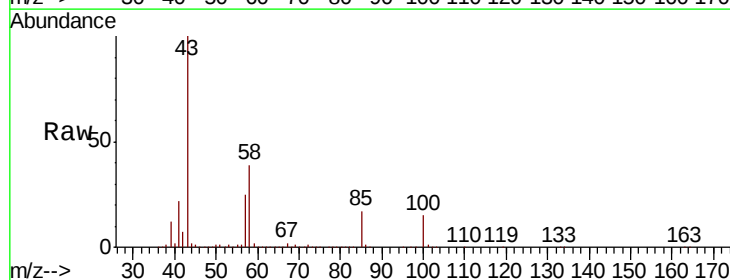
Tot Ion: 75 Resp: 833017
Ion Ratio Lower Upper
75 100
77 32.1 22.2 41.2

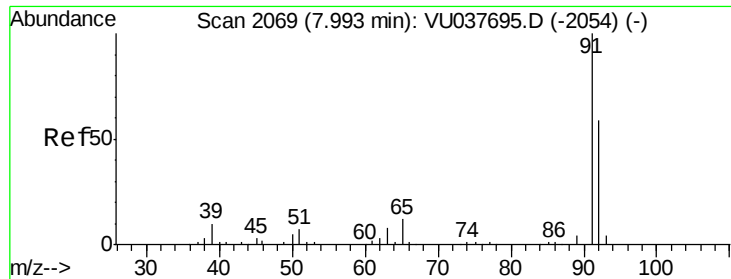


#40

4-Methyl-2-pentanone
Concen: 210.765 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 43 Resp: 3980144
Ion Ratio Lower Upper
43 100
58 39.2 31.3 46.9
100 14.6 11.5 17.3





#42

Toluene

Concen: 19.557 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

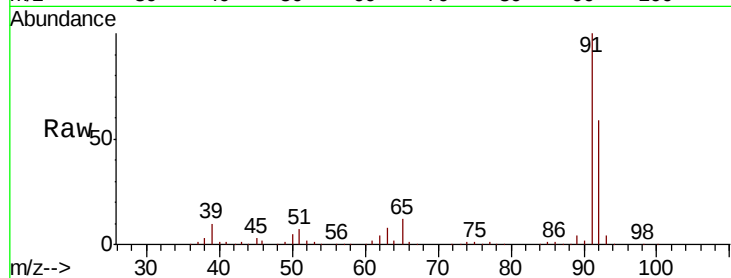
ClientSampled :

Tot Ion: 91 Resp: 2063173

Ion Ratio Lower Upper

91 100

92 59.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU037695.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU037695.D (-2054) (-)

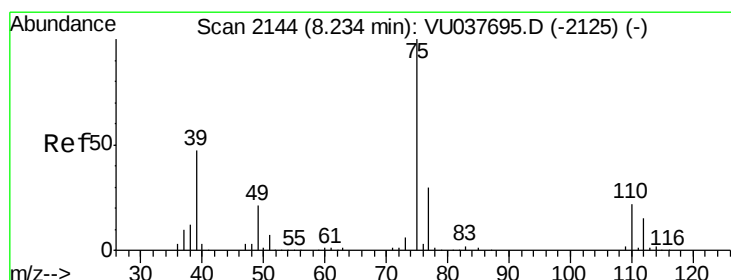
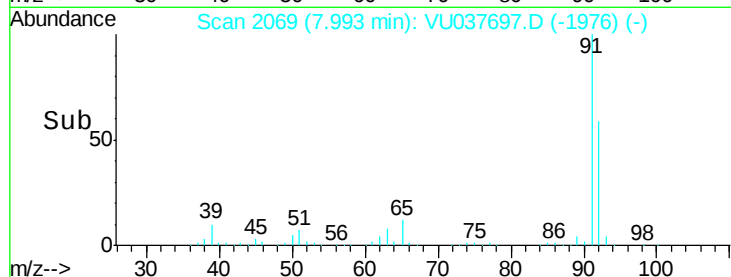
7.99

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 20.086 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU037697.D

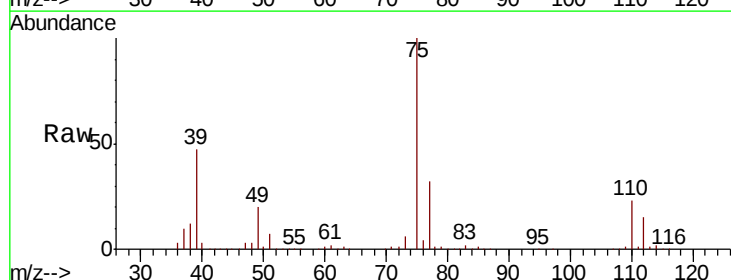
Acq: 14 Apr 2020 12:52

Tgt Ion: 75 Resp: 721058

Ion Ratio Lower Upper

75 100

77 31.9 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VU037695.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU037695.D (-2125) (-)

8.23

500000

400000

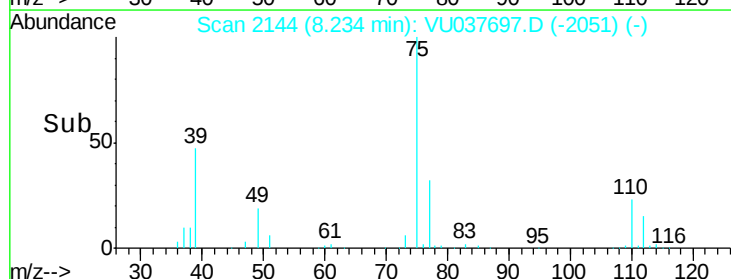
300000

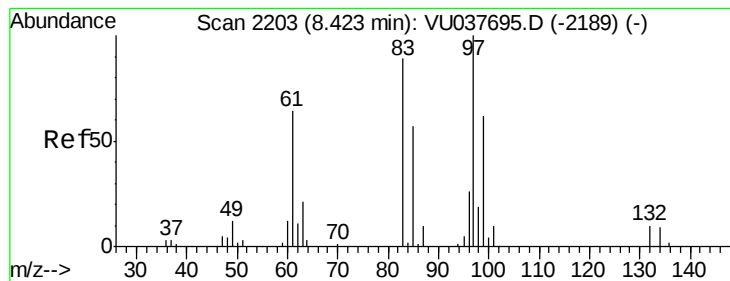
200000

100000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 19.021 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 352843

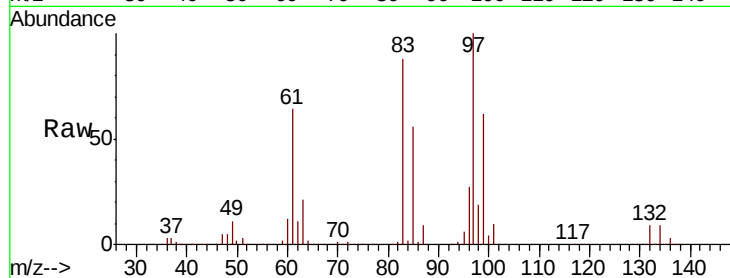
Ion Ratio Lower Upper

97 100

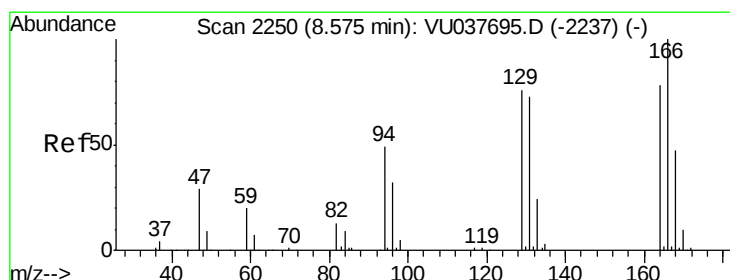
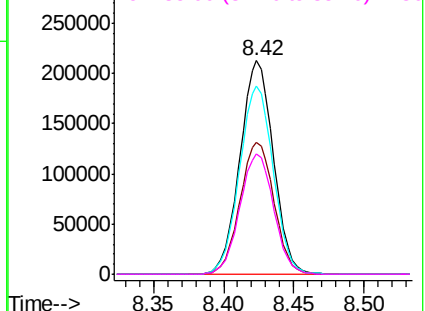
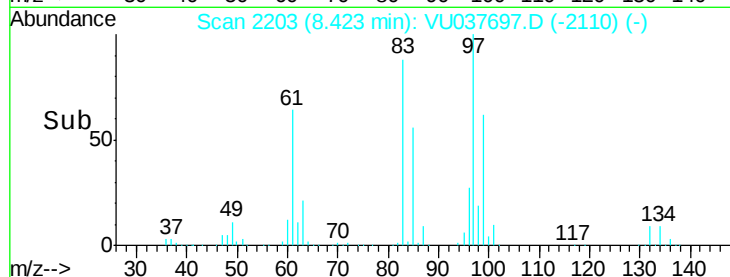
99 61.7 43.1 80.1

83 87.9 62.4 116.0

85 56.1 39.6 73.6



Abundance Ion 96.95 (96.65 to 97.65): VU037697.D (-2110) (-)



#47

Tetrachloroethene

Concen: 20.409 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Tgt Ion:164 Resp: 349741

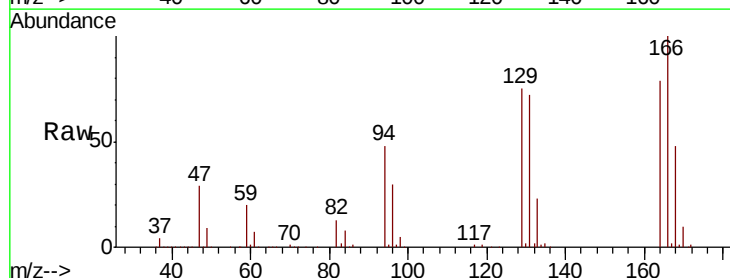
Ion Ratio Lower Upper

164 100

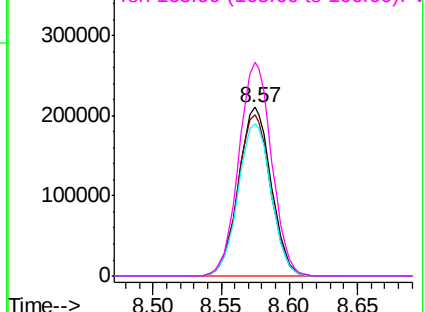
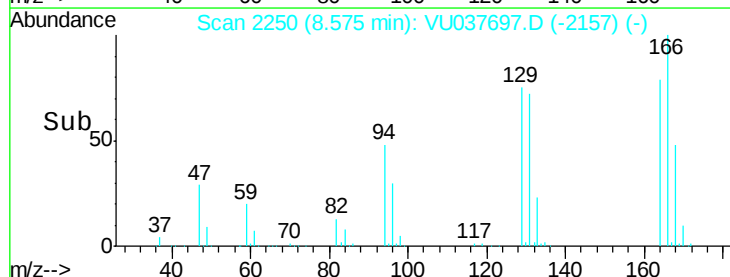
129 95.6 68.1 126.5

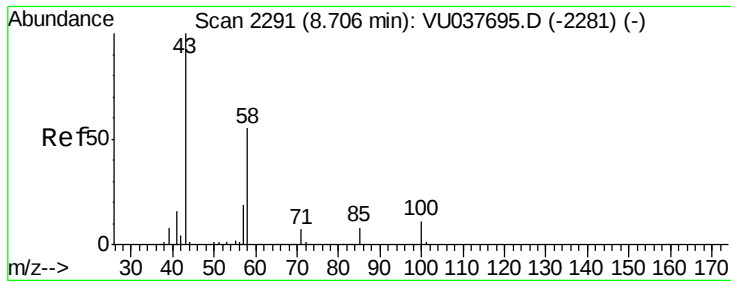
131 90.7 65.9 122.5

166 126.7 89.7 166.7



Abundance Ion 163.90 (163.60 to 164.60): VU037697.D (-2157) (-)

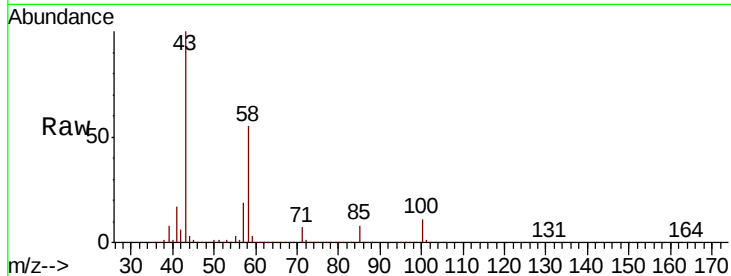




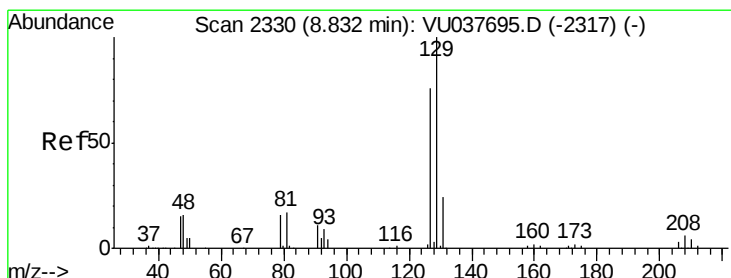
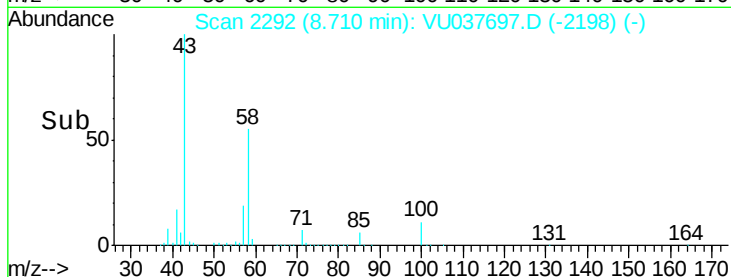
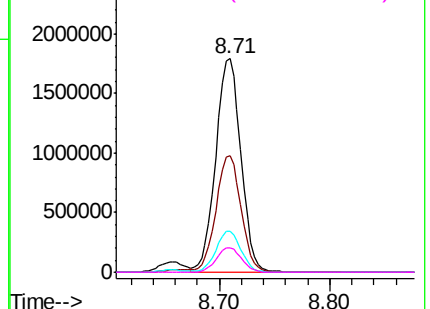
#48
2-Hexanone
Concen: 207.209 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2826033
Ion Ratio Lower Upper
43 100
58 54.8 43.6 65.4
57 19.2 15.4 23.0
100 11.5 9.1 13.7

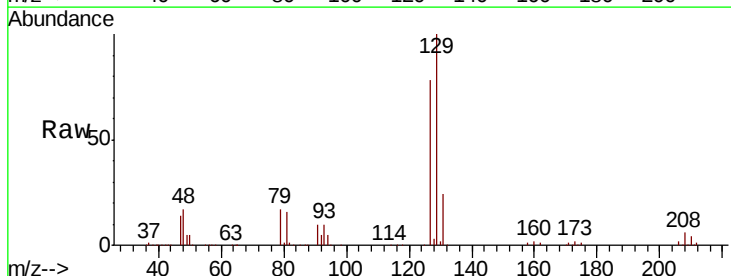


Abundance Ion 43.05 (42.75 to 43.75): VU037697.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VU037697.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VU037697.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VU037697.D (-2198) (-)

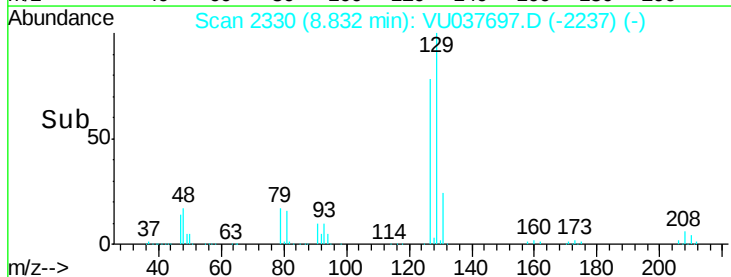
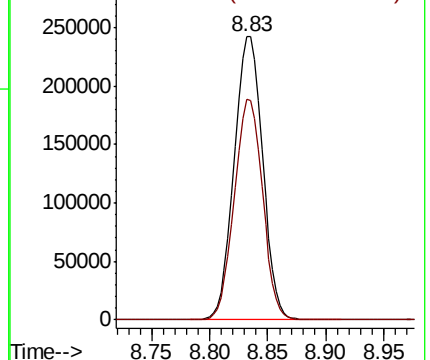


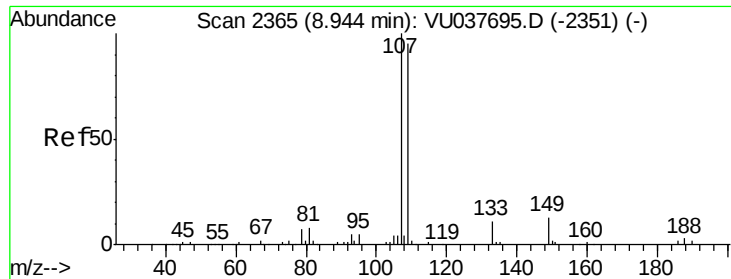
#49
Dibromochloromethane
Concen: 18.785 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion: 129 Resp: 412502
Ion Ratio Lower Upper
129 100
127 77.7 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU037697.D (-2237) (-)
Ion 126.90 (126.60 to 127.60): VU037697.D (-2237) (-)

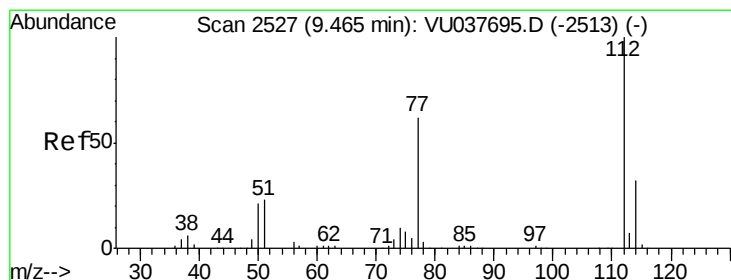
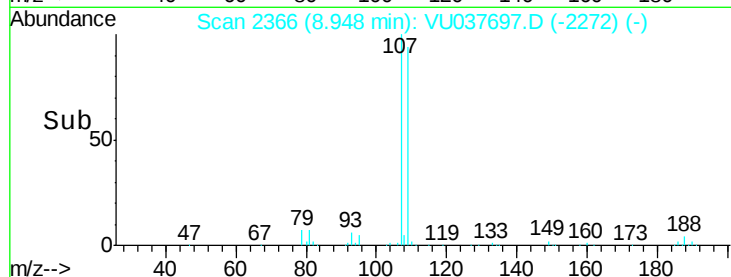
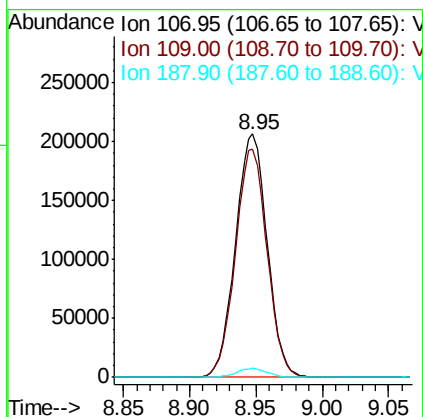
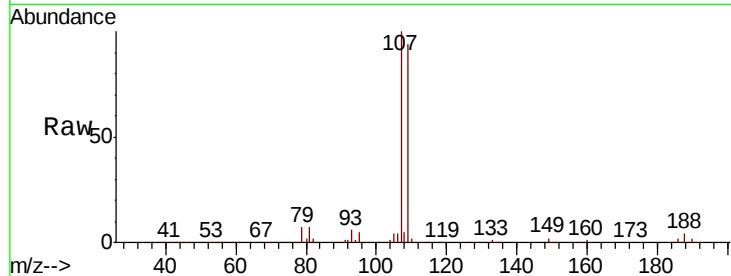




#50
1,2-Dibromoethane
Concen: 19.031 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

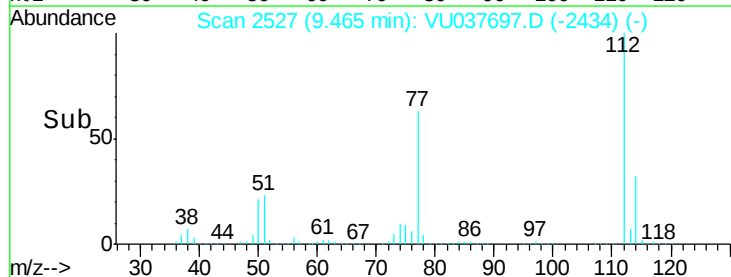
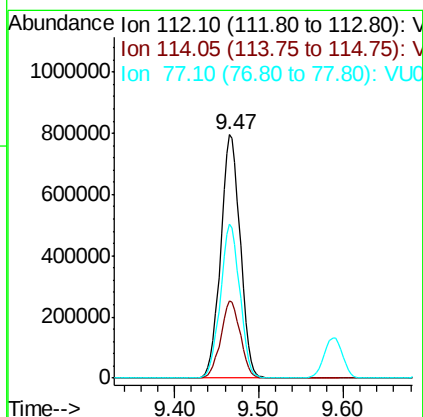
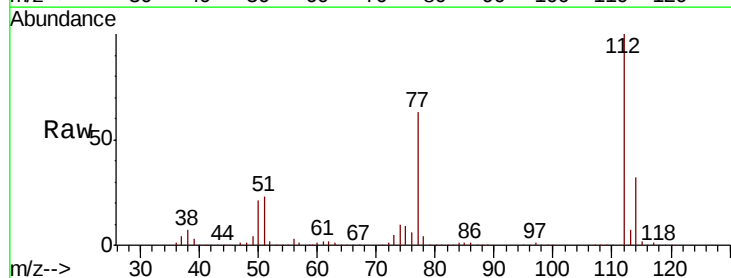
Instrument :
MSVOA_U
ClientSampled :

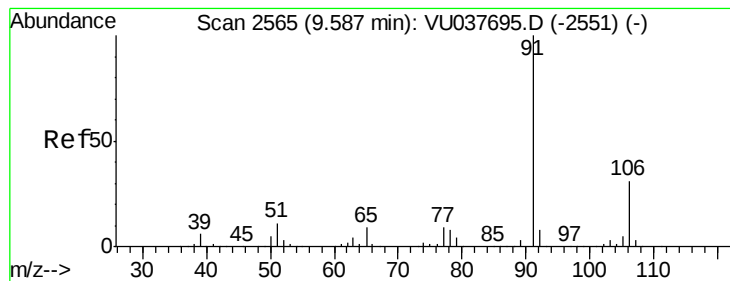
Tot Ion:107 Resp: 342908
Ion Ratio Lower Upper
107 100
109 93.8 66.3 123.1
188 3.8 2.5 3.7#



#51
Chlorobenzene
Concen: 19.657 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion:112 Resp: 1277248
Ion Ratio Lower Upper
112 100
114 31.8 22.6 42.0
77 63.3 50.2 75.4





#52

Ethylbenzene

Concen: 19.567 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

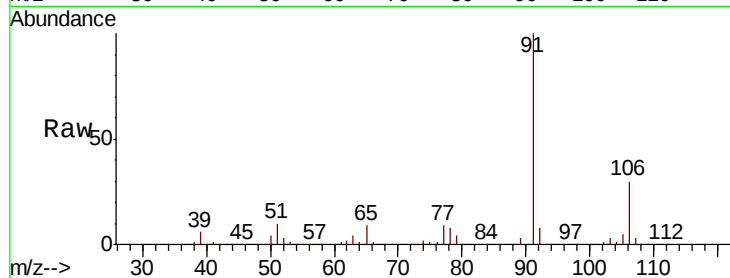
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2342021

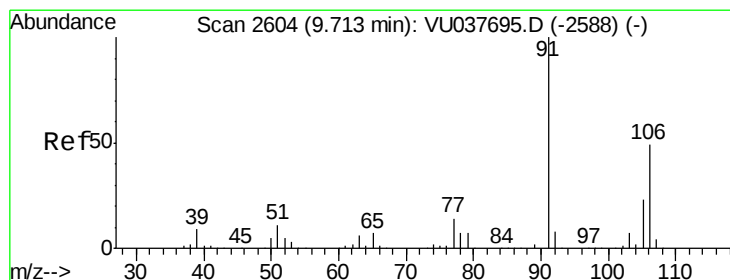
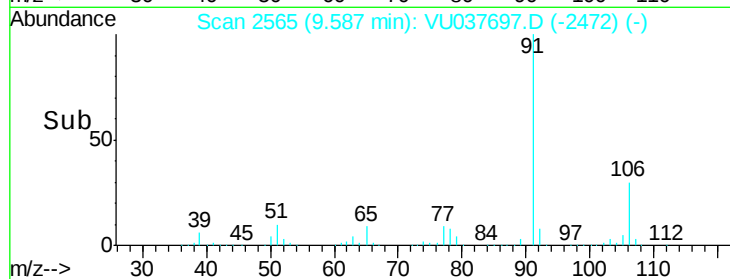
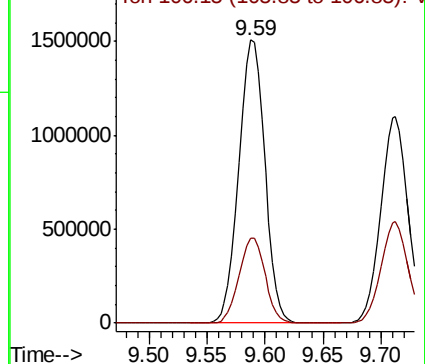
Ion Ratio Lower Upper

91 100

106 30.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU037697.D (-2551) (-)



#53

m,p-Xylene

Concen: 19.624 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU037697.D

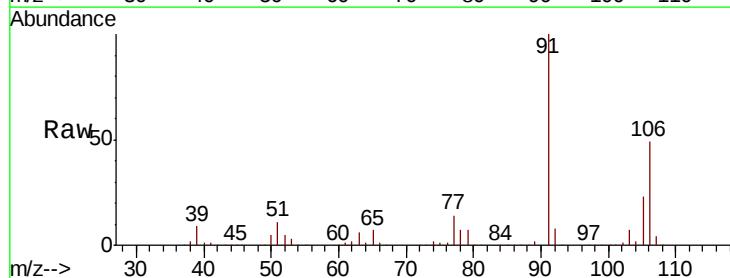
Acq: 14 Apr 2020 12:52

Tgt Ion: 106 Resp: 884131

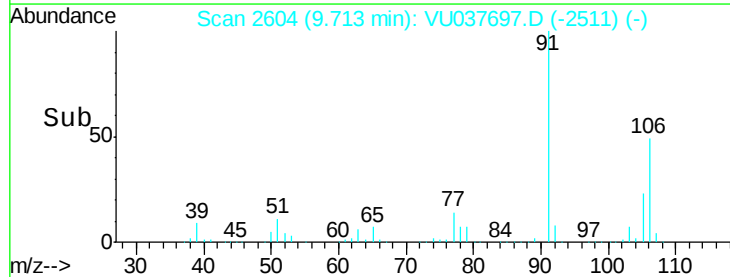
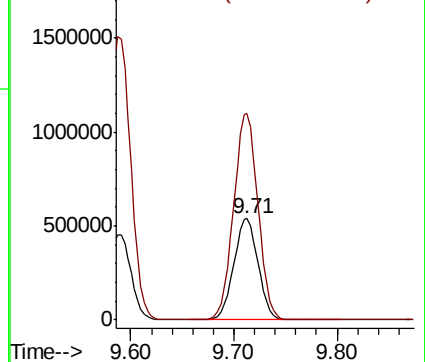
Ion Ratio Lower Upper

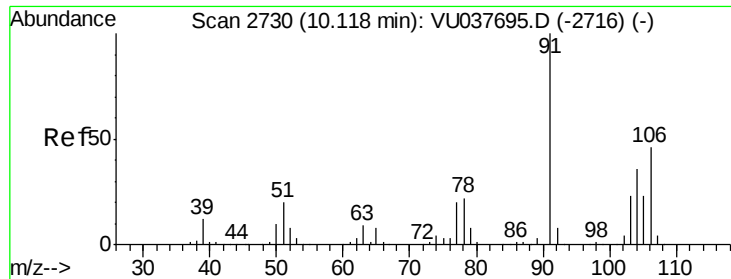
106 100

91 204.4 143.9 267.3



Abundance Ion 106.15 (105.85 to 106.85): VU037697.D (-2588) (-)

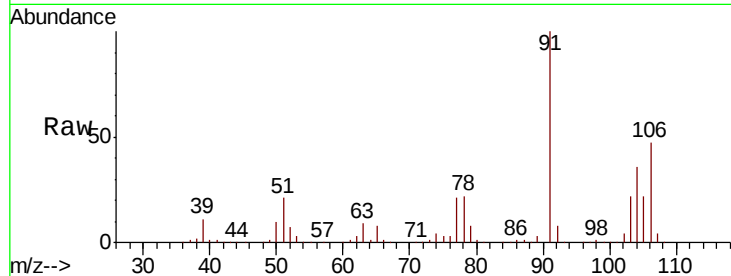




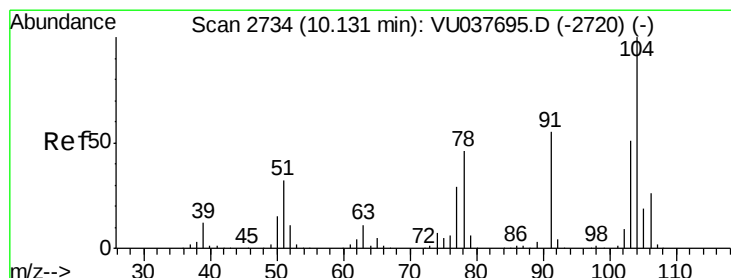
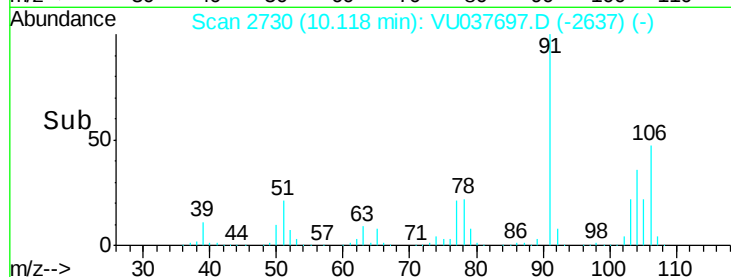
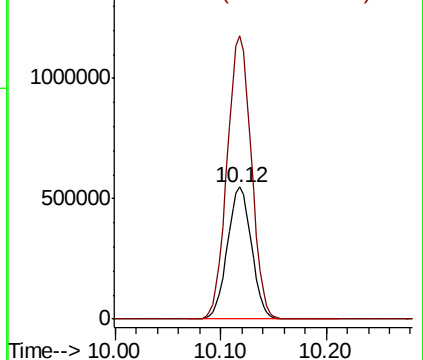
#54
o-Xylene
Concen: 19.937 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 865039
Ion Ratio Lower Upper
106 100
91 214.2 151.1 280.7

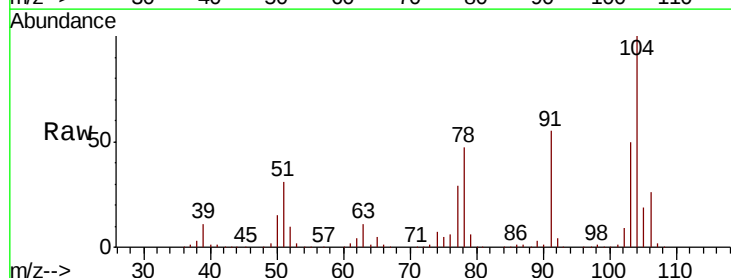


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

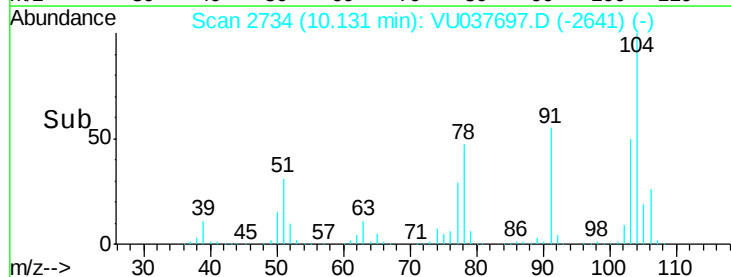
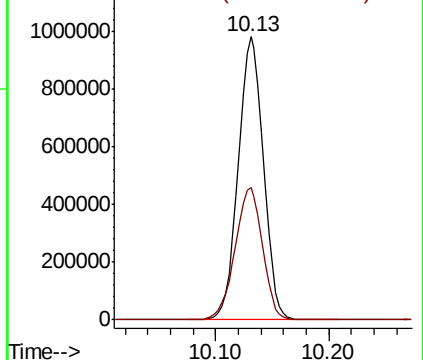


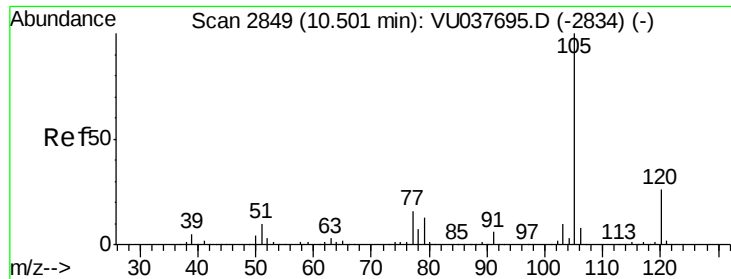
#55
Styrene
Concen: 20.241 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU037697.D
Acq: 14 Apr 2020 12:52

Tgt Ion:104 Resp: 1517366
Ion Ratio Lower Upper
104 100
78 46.7 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: 19.343 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

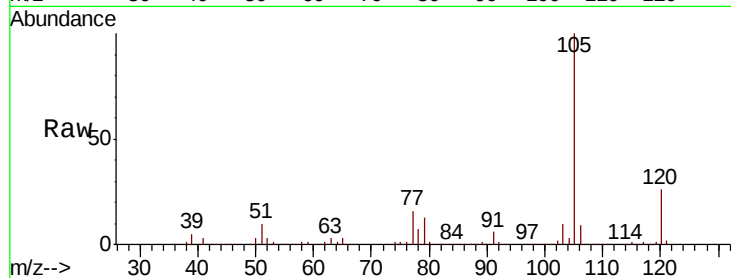
Tot Ion:105 Resp: 2286978

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

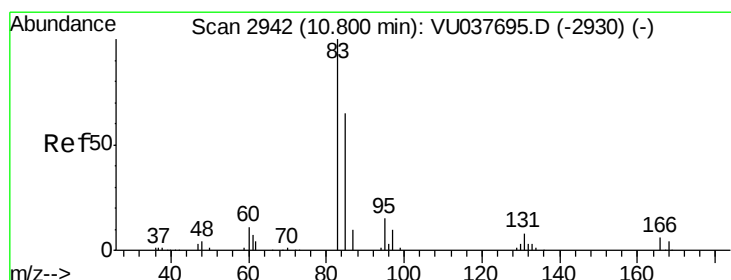
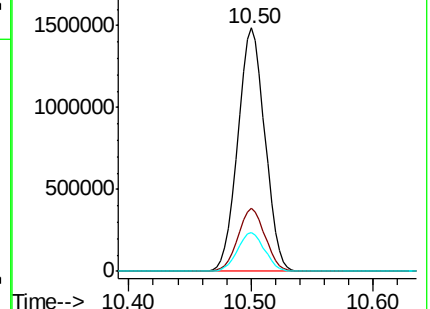
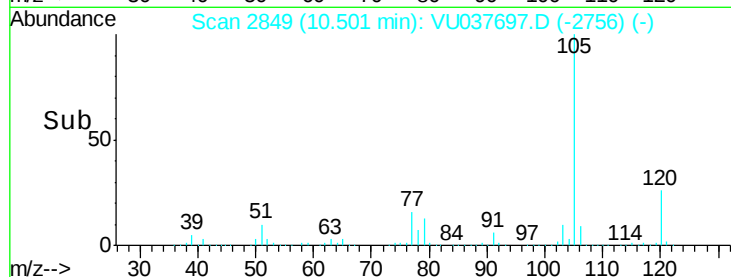
77 16.0 13.2 19.8



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: 19.124 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

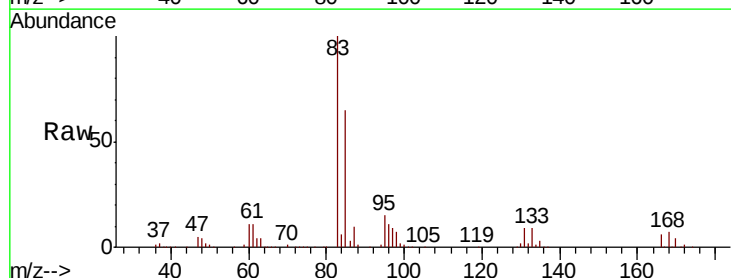
Tgt Ion: 83 Resp: 476315

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

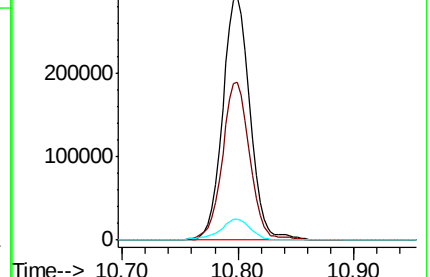
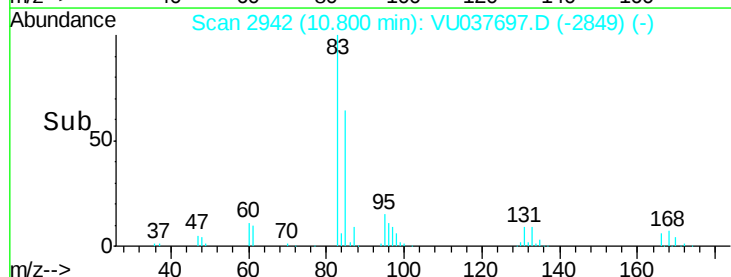
131 8.8 7.4 11.2

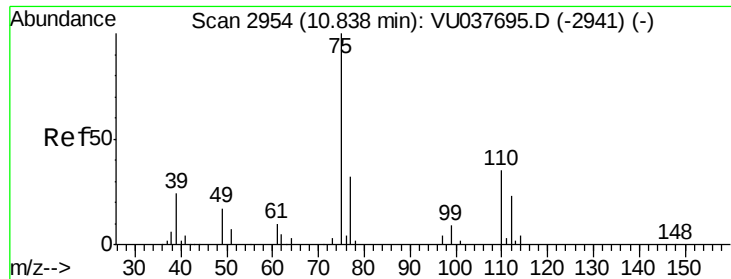


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.959 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

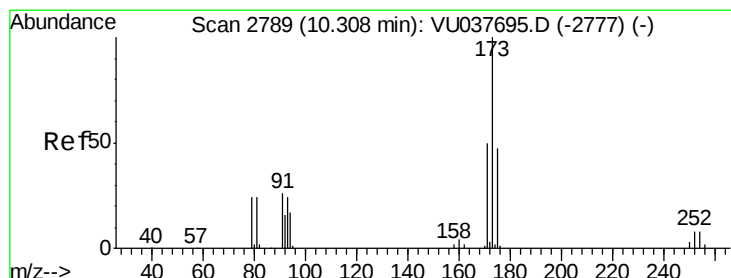
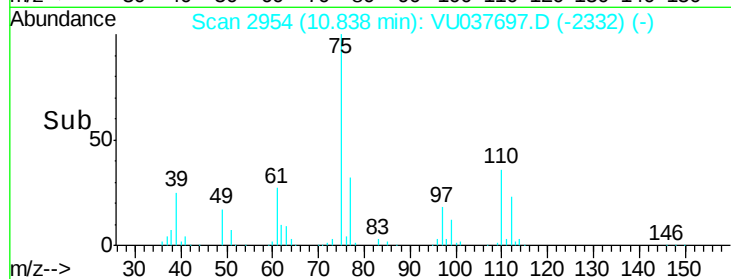
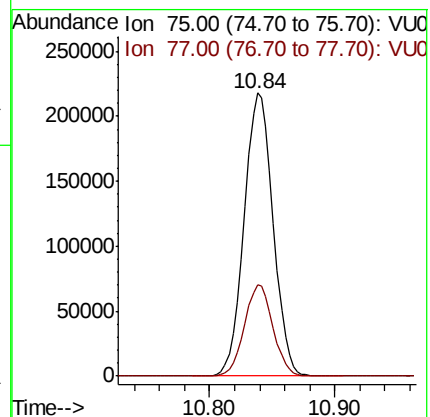
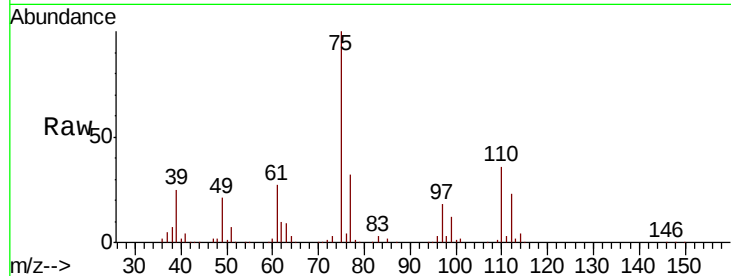
ClientSampleId :

Tot Ion: 75 Resp: 348931

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#61

Bromoform

Concen: 19.365 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

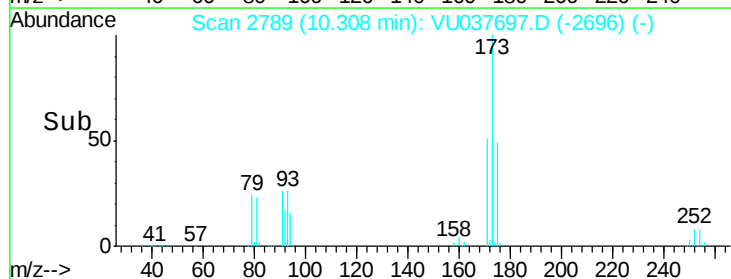
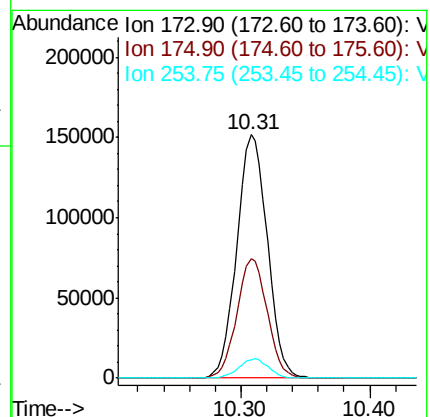
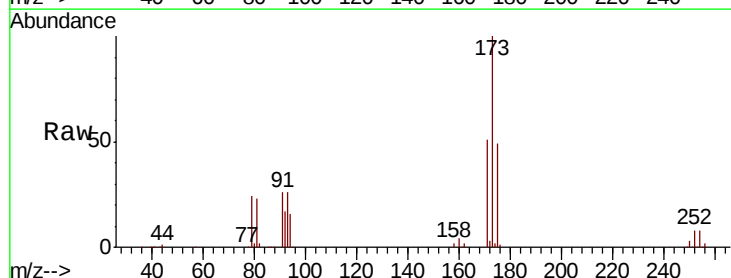
Tgt Ion: 173 Resp: 249278

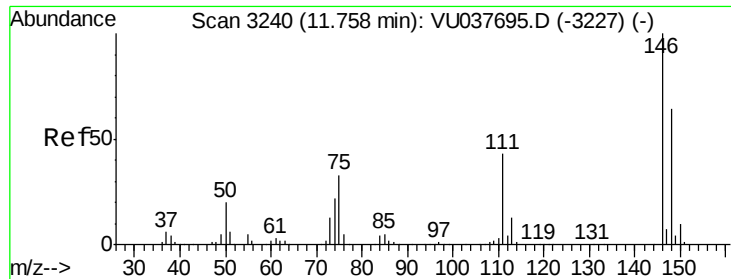
Ion Ratio Lower Upper

173 100

175 48.8 37.6 56.4

254 7.7 5.8 8.8

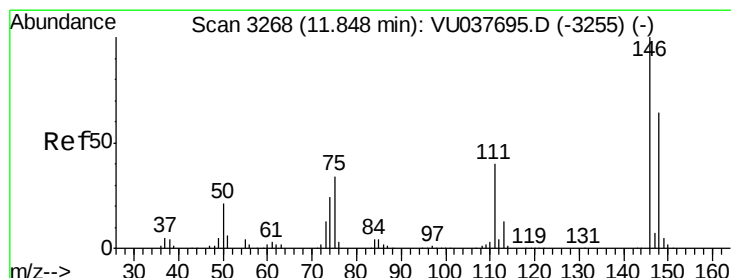
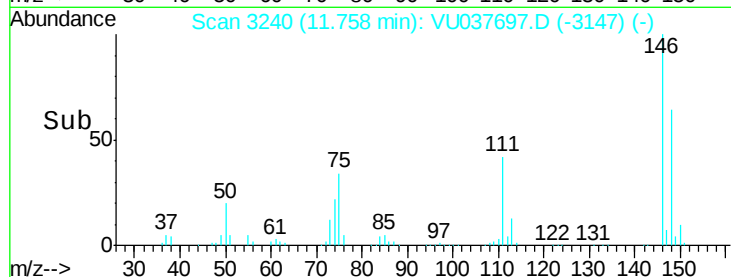
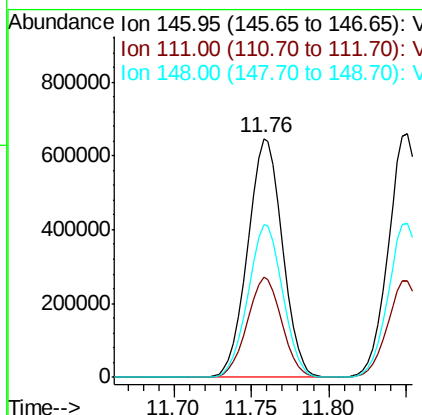
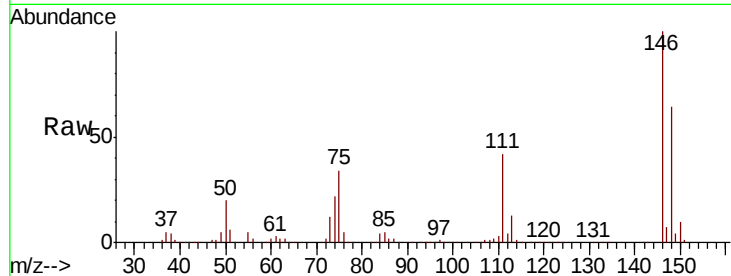




#62
 1,3-Dichlorobenzene
 Concen: 19.393 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

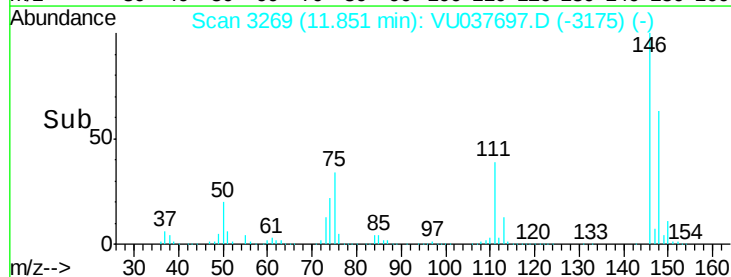
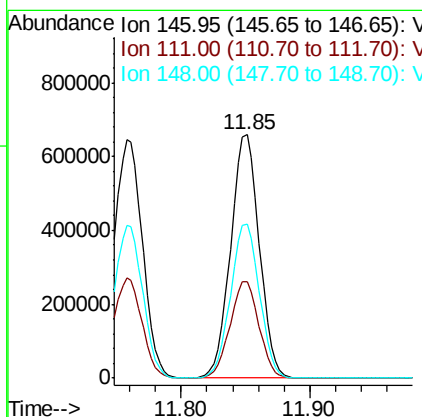
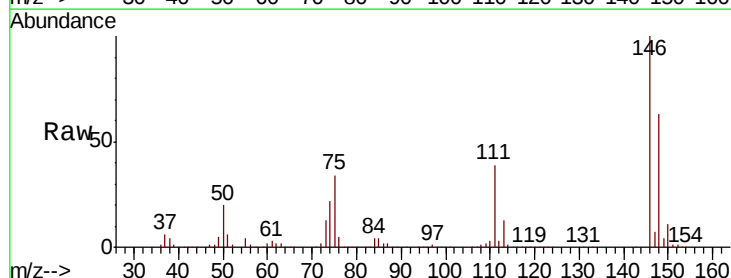
Instrument :
 MSVOA_U
 ClientSampled :

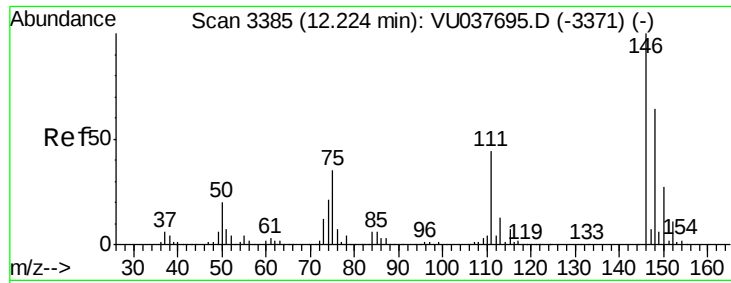
Tot Ion:146 Resp: 1011371
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.8 55.3
 148 63.8 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 19.126 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

Tgt Ion:146 Resp: 1014723
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.4 52.8
 148 63.1 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 19.025 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Instrument :

MSVOA_U

ClientSampleId :

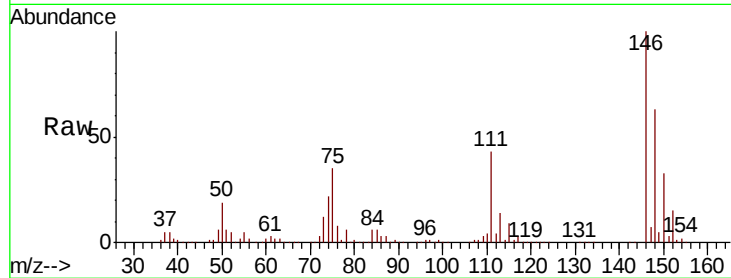
Tot Ion:146 Resp: 950761

Ion Ratio Lower Upper

146 100

111 43.5 35.0 52.6

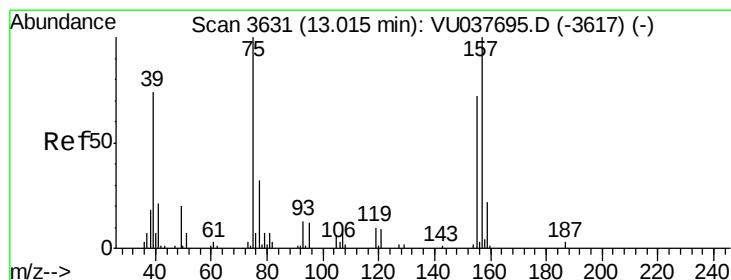
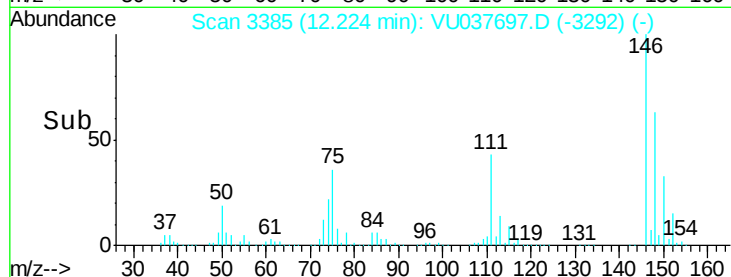
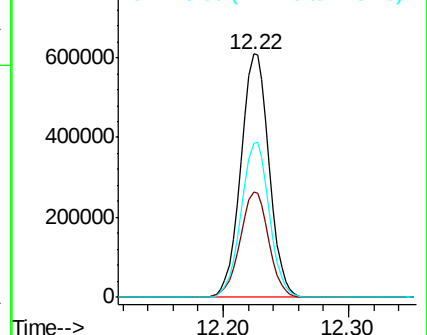
148 63.2 51.5 77.3



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: 18.660 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

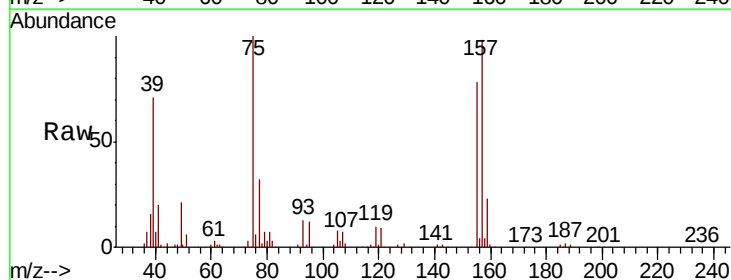
Tgt Ion: 75 Resp: 88940

Ion Ratio Lower Upper

75 100

155 77.7 57.9 86.9

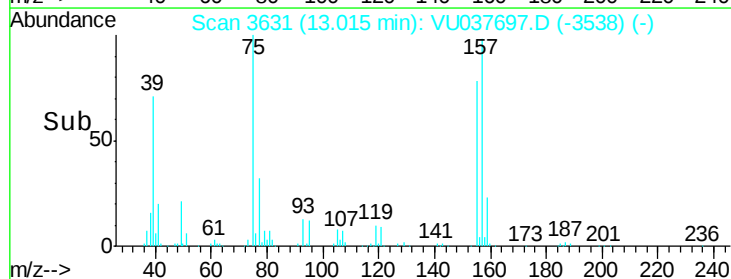
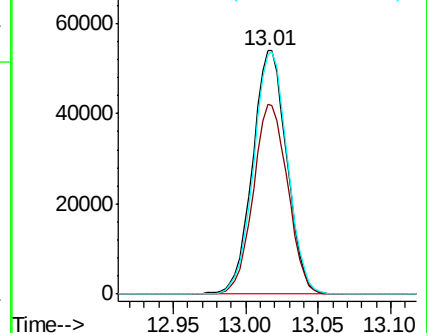
157 98.3 79.8 119.8

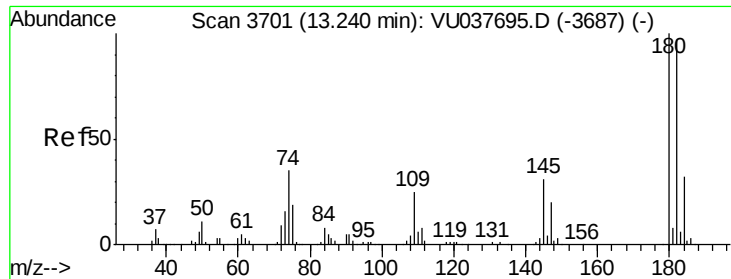


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

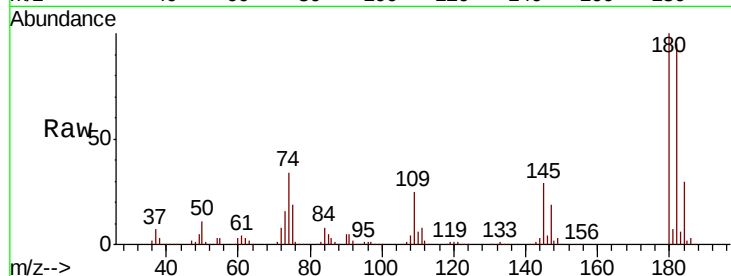




#67
 1,3,5-Trichlorobenzene
 Concen: 20.366 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.1	115.7
184	30.2	24.7	37.1
145	29.6	24.6	37.0

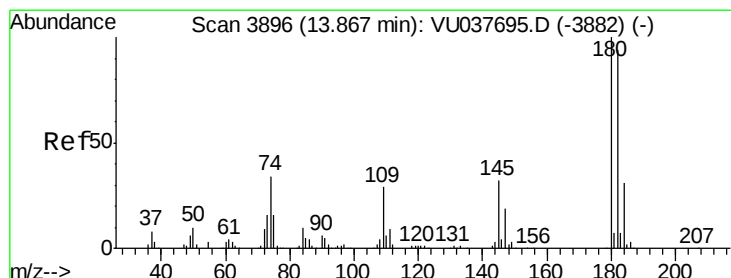
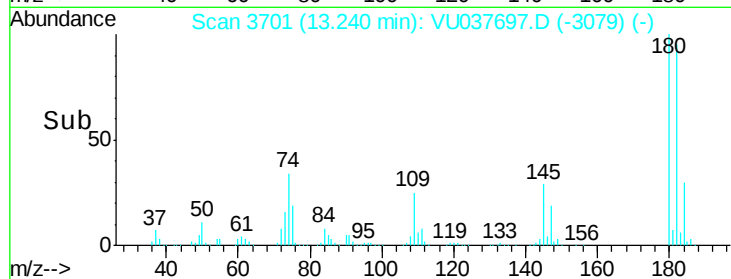
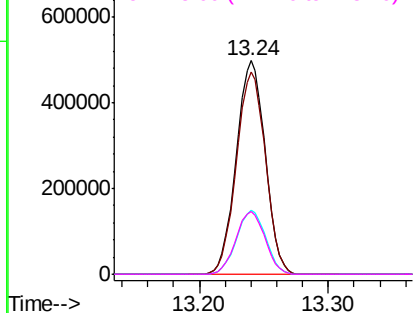


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

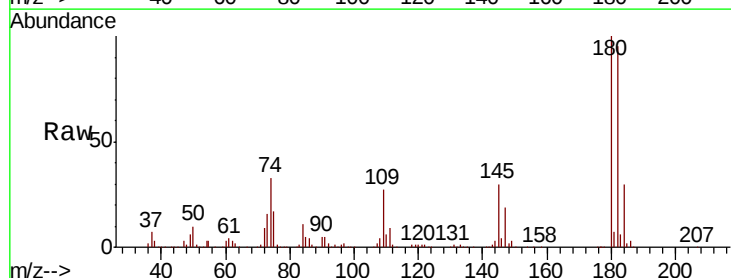
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.090 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU037697.D
 Acq: 14 Apr 2020 12:52

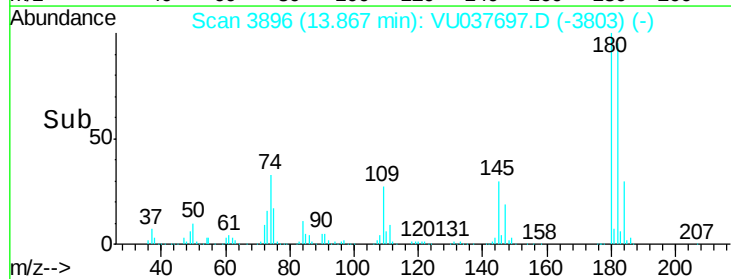
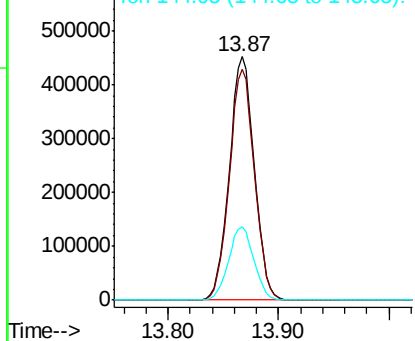
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	30.5	25.1	37.7

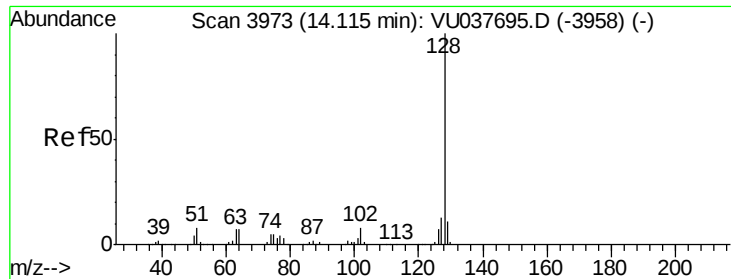


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 18.522 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

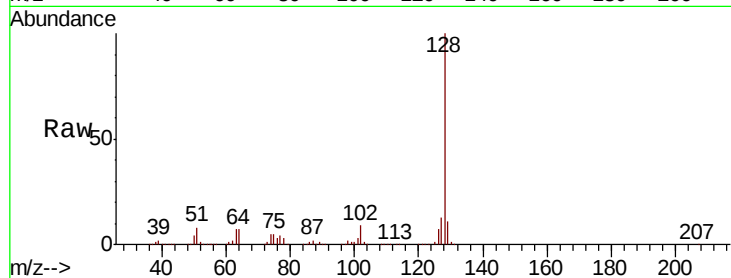
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:128 Resp: 1427668

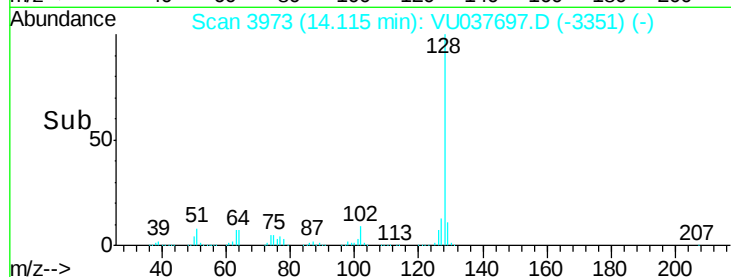
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.4	15.6



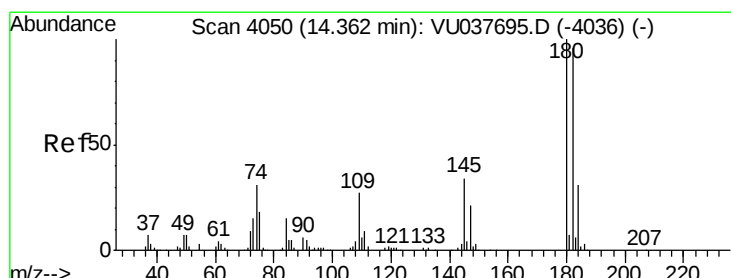
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 19.912 ug/L

RT: 14.36 min Scan# 4050

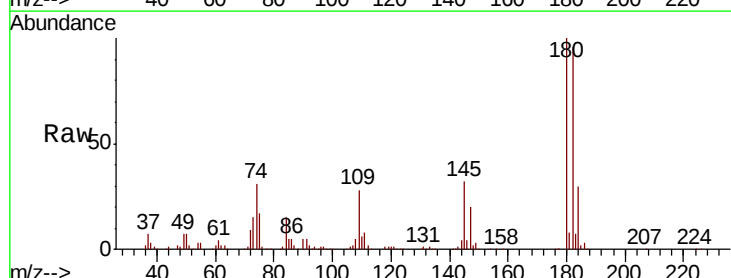
Delta R.T. -0.00 min

Lab File: VU037697.D

Acq: 14 Apr 2020 12:52

Tgt Ion:180 Resp: 625343

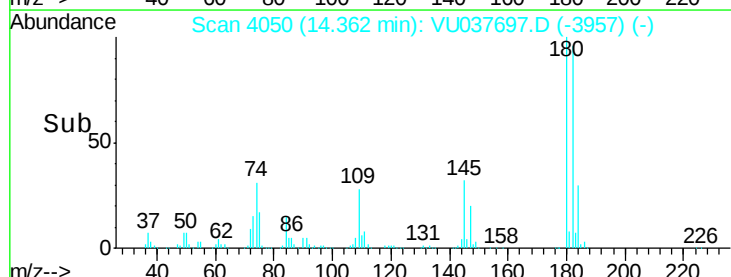
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.6	115.0
145	32.8	26.7	40.1



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



Time-->