

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036452.D
 Acq On : 14 Jan 2020 18:14
 Operator : JC/MD
 Sample : VSTD10036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:05:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	511717	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	492735	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	234248	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	322175	83.43	ug/L	0.00
7) Chloroethane-d5	1.93	69	281574	85.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	634676	93.70	ug/L	0.00
21) 2-Butanone-d5	4.68	46	581401	196.40	ug/L	0.00
24) Chloroform-d	5.11	84	669216	96.52	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	428743	92.98	ug/L	0.00
32) Benzene-d6	5.77	84	1287243	94.27	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	418776	91.67	ug/L	0.00
41) Toluene-d8	7.93	98	1234925	94.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	230389	93.16	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	457320	192.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	646792	93.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	453969	92.25	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	479028	112.226	ug/L	99
3) Chloromethane	1.54	50	443644	114.486	ug/L	98
5) Vinyl chloride	1.62	62	428134	97.873	ug/L	99
6) Bromomethane	1.86	94	264173	119.647	ug/L	100
8) Chloroethane	1.95	64	252194	96.764	ug/L	96
9) Trichlorofluoromethane	2.16	101	592697	97.214	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	306103	100.076	ug/L	97
12) 1,1-Dichloroethene	2.60	96	303405	100.591	ug/L	94
13) Acetone	2.66	43	590369	189.297	ug/L	99
14) Carbon disulfide	2.82	76	1004419	106.985	ug/L	100
15) Methyl Acetate	2.98	43	426965	101.543	ug/L	99
16) Methylene chloride	3.08	84	373804	101.450	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	342094	105.718	ug/L	96
18) Methyl tert-butyl Ether	3.41	73	1152106	98.174	ug/L	99
19) 1,1-Dichloroethane	3.92	63	636322	98.106	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	393417	100.384	ug/L	98
22) 2-Butanone	4.76	43	715077	195.637	ug/L	100
23) Bromochloromethane	5.02	128	189390	101.323	ug/L	100
25) Chloroform	5.13	83	682773	99.110	ug/L	98
27) 1,2-Dichloroethane	5.84	62	546430	101.861	ug/L	98
29) Cyclohexane	5.43	56	602179	103.669	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	611750	100.413	ug/L	99
31) Carbon tetrachloride	5.56	117	528228	99.792	ug/L	96
33) Benzene	5.82	78	1446350	98.844	ug/L	100
34) Trichloroethene	6.58	95	398805	104.966	ug/L	98
35) Methylcyclohexane	6.80	83	604404	100.276	ug/L	99
37) 1,2-Dichloropropane	6.83	63	376013	95.592	ug/L	99
38) Bromodichloromethane	7.14	83	540655	97.545	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	648237	97.833	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	1237779	186.477	ug/L	98

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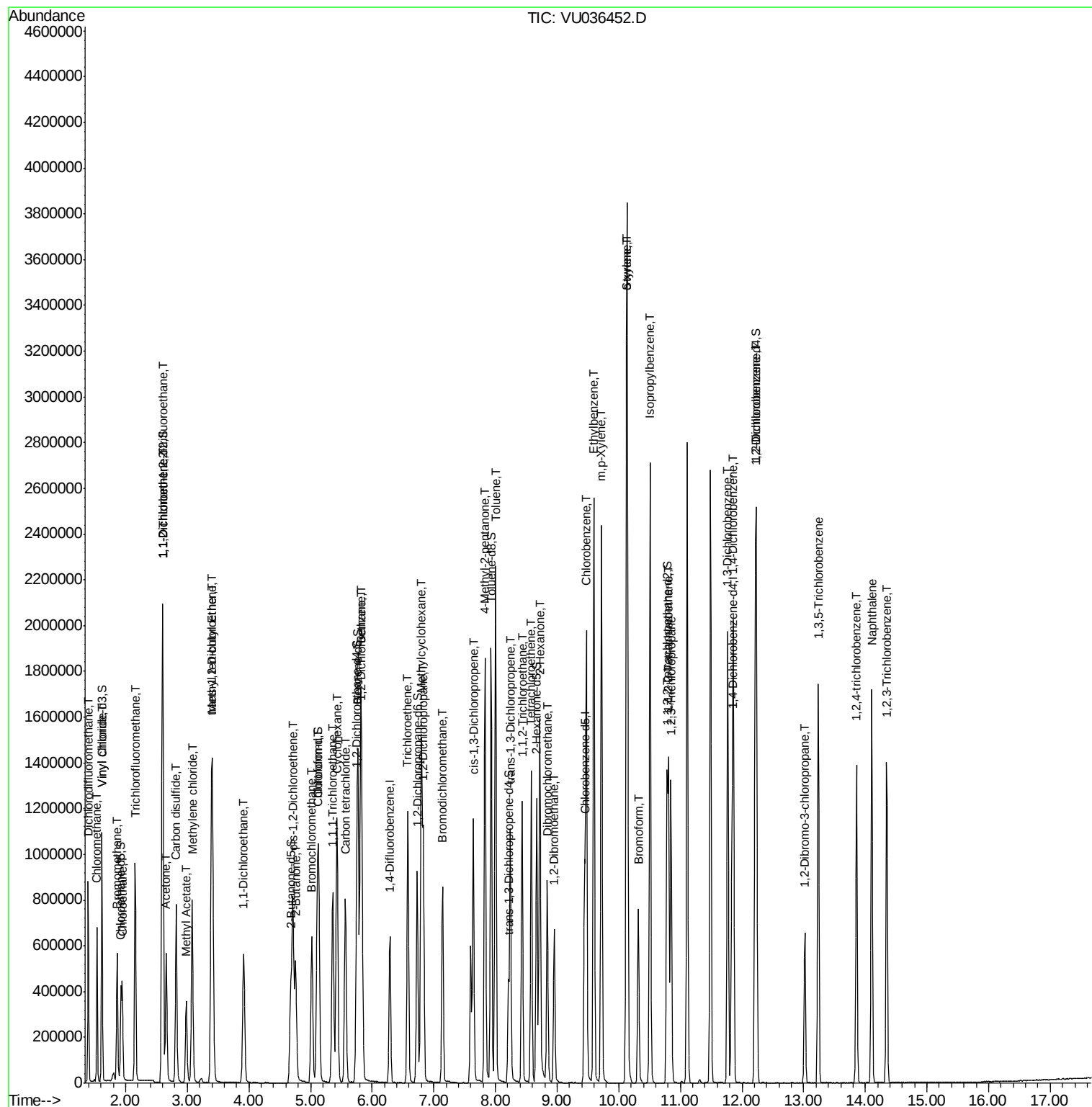
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1605207	99.628	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	588195	95.717	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	367329	99.916	ug/L	98
46) Tetrachloroethene	8.58	164	265930	98.123	ug/L	93
48) 2-Hexanone	8.72	43	1036299	203.145	ug/L	98
49) Dibromochloromethane	8.84	129	429338	96.008	ug/L	98
50) 1,2-Dibromoethane	8.95	107	421761	98.675	ug/L	99
51) Chlorobenzene	9.47	112	1013831	100.017	ug/L	99
52) Ethylbenzene	9.60	91	1812500	99.264	ug/L	100
53) m,p-Xylene	9.72	106	675648	99.822	ug/L	100
54) o-xylene	10.13	106	667237	98.064	ug/L	98
55) Styrene	10.14	104	1128415	98.562	ug/L	99
56) Isopropylbenzene	10.51	105	1751524	98.929	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	652834	94.221	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	527853	95.397	ug/L	98
61) Bromoform	10.32	173	320023	92.067	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	761358	99.657	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	751924	98.799	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	740850	96.868	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	166950	94.435	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	482354	96.757	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	375239	99.702	ug/L	96
69) Naphthalene	14.10	128	1307088	102.570	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	380880	97.285	ug/L	99

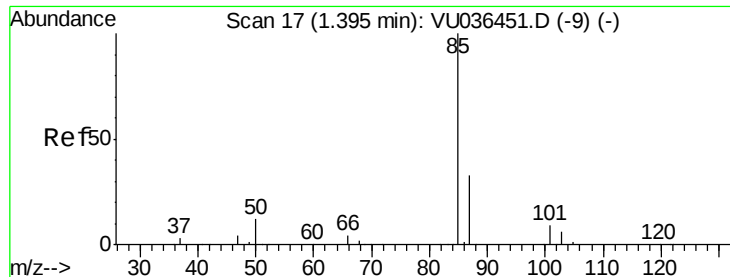
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 112.226 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

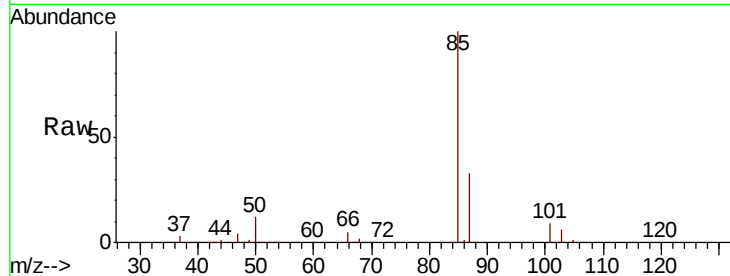
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 479028

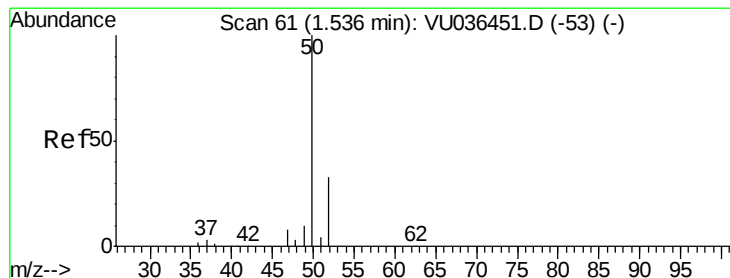
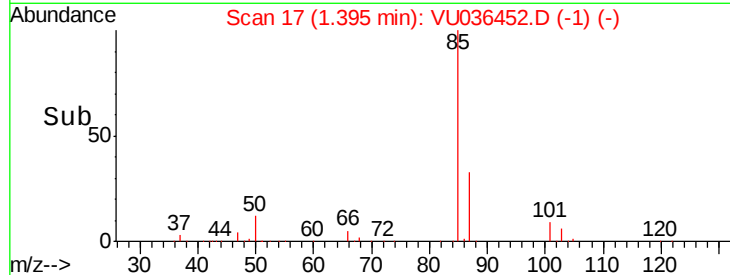
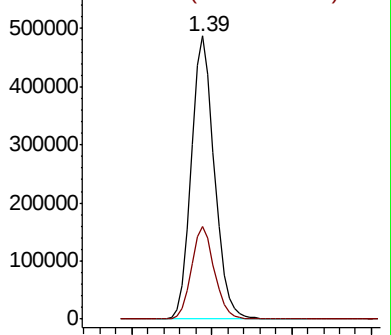
Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036452.D (-1) (-)



#3

Chloromethane

Concen: 114.486 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036452.D

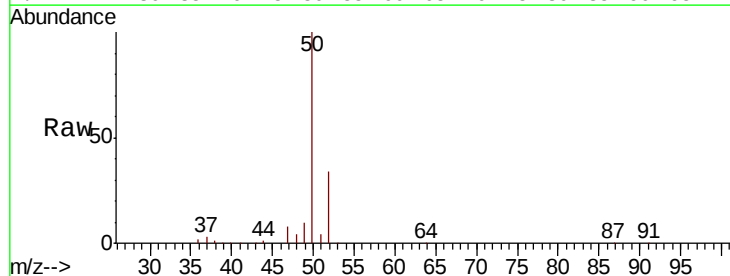
Acq: 14 Jan 2020 18:14

Tgt Ion: 50 Resp: 443644

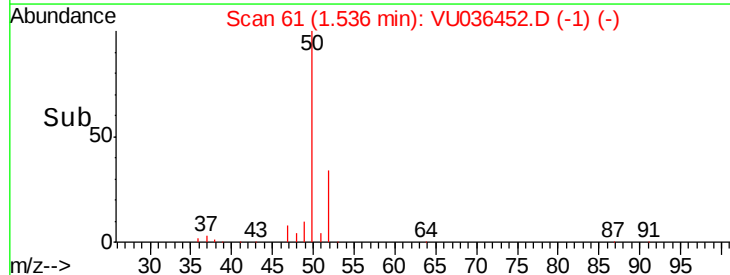
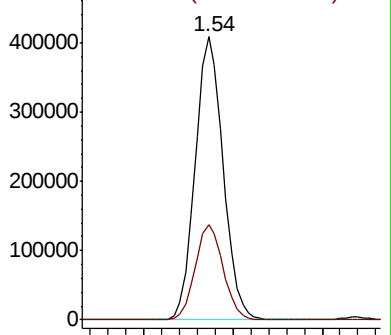
Ion Ratio Lower Upper

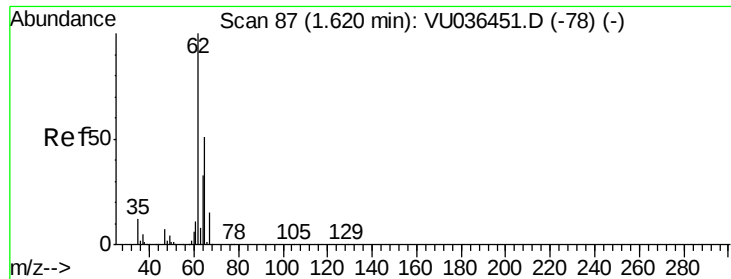
50 100

52 33.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036452.D (-1) (-)





#5

Vinyl chloride

Concen: 97.873 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

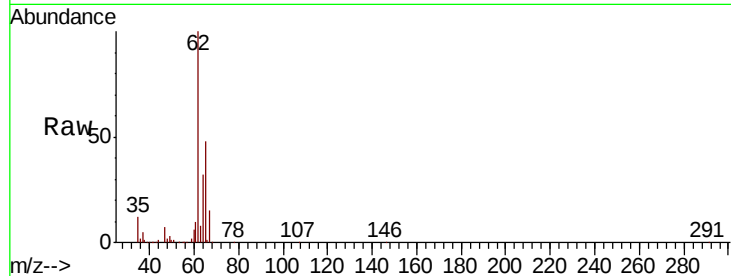
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 428134

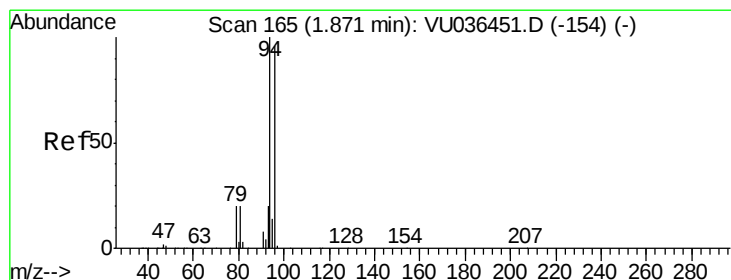
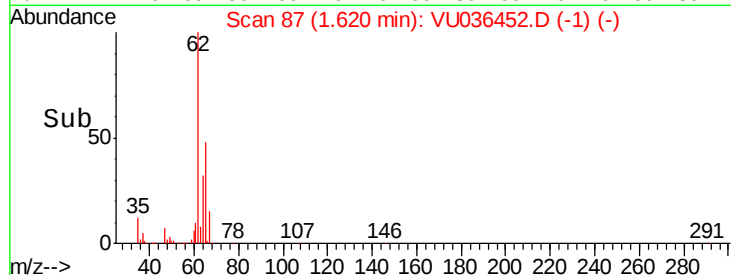
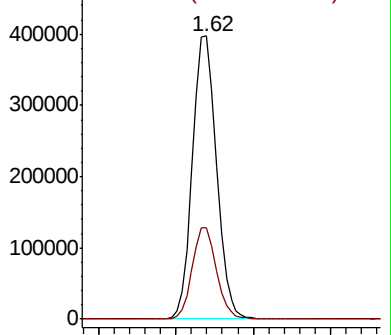
Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036452.D (-1) (-)



#6

Bromomethane

Concen: 119.647 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU036452.D

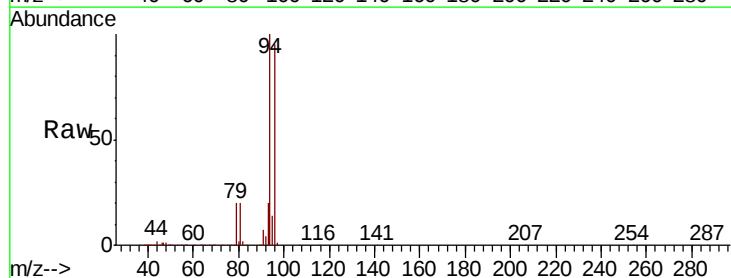
Acq: 14 Jan 2020 18:14

Tgt Ion: 94 Resp: 264173

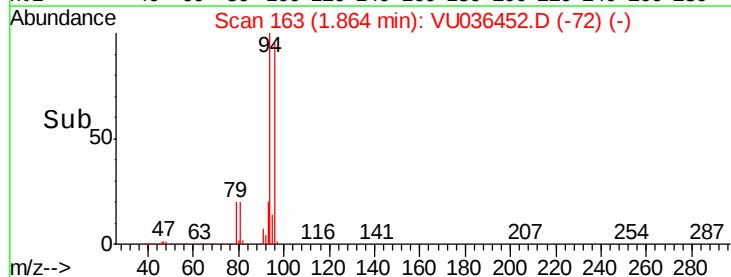
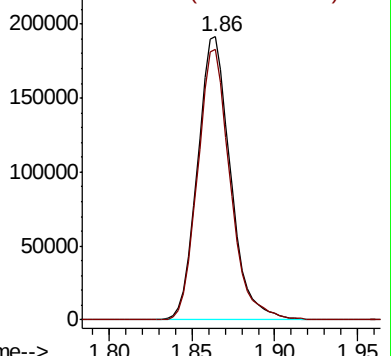
Ion Ratio Lower Upper

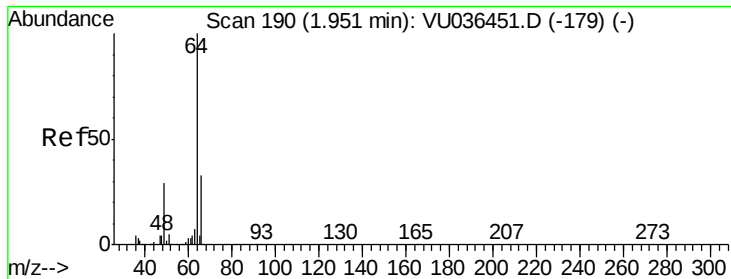
94 100

96 95.4 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036452.D (-72) (-)





#8

Chloroethane

Concen: 96.764 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

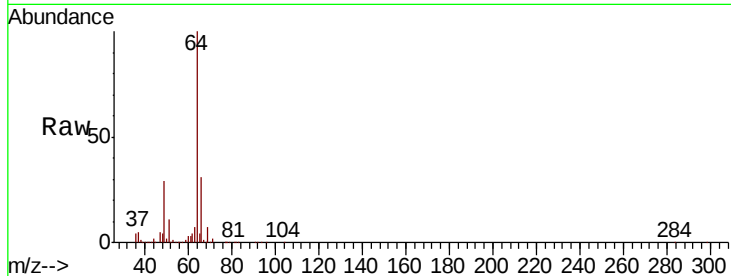
ClientSampleId :

Tot Ion: 64 Resp: 252194

Ion Ratio Lower Upper

64 100

66 31.0 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU036452.D (-66) (-)

Ion 66.00 (65.70 to 66.70): VU036452.D (-66) (-)

1.95

200000

150000

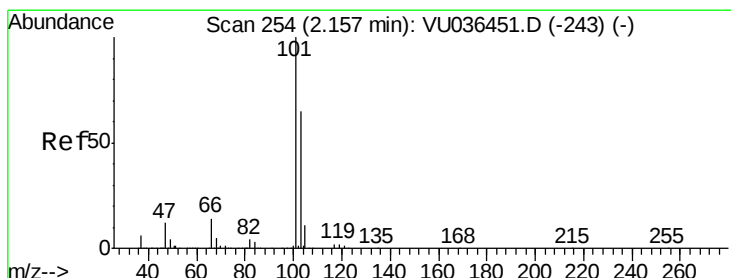
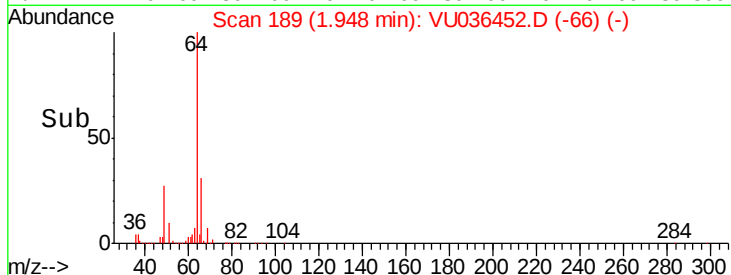
100000

50000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 97.214 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036452.D

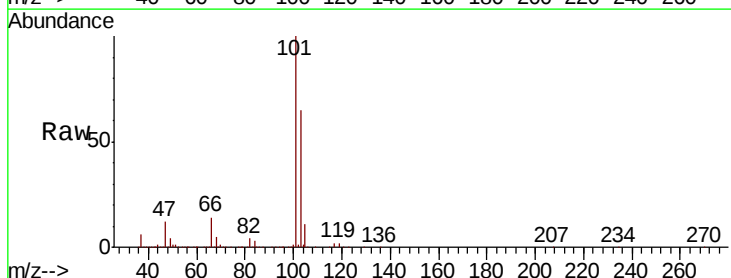
Acq: 14 Jan 2020 18:14

Tgt Ion: 101 Resp: 592697

Ion Ratio Lower Upper

101 100

103 64.8 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU036452.D (-130) (-)

Ion 103.00 (102.70 to 103.70): VU036452.D (-130) (-)

2.16

400000

300000

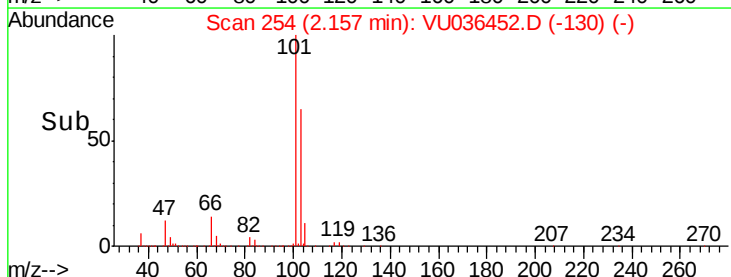
200000

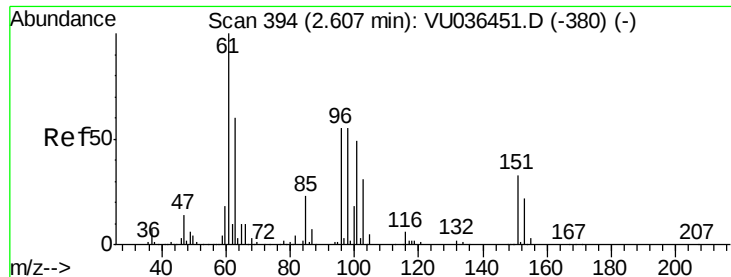
100000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 100.076 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

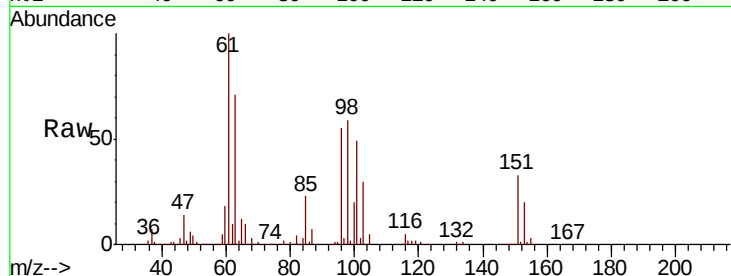
Tot Ion:101 Resp: 306103

Ion Ratio Lower Upper

101 100

85 47.5 36.7 55.1

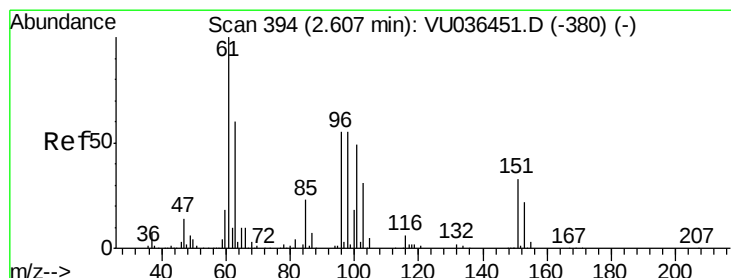
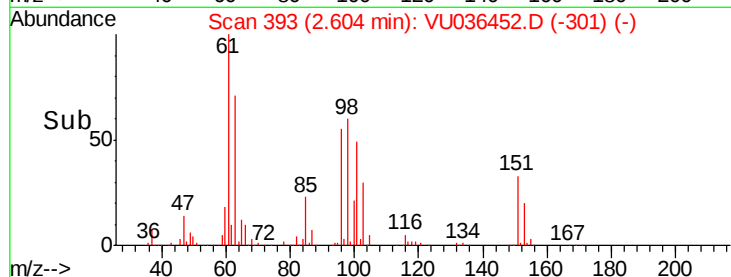
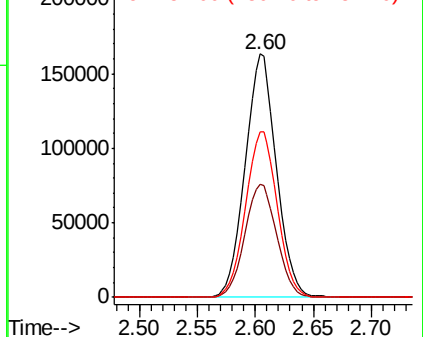
151 69.1 53.3 79.9



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: 100.591 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

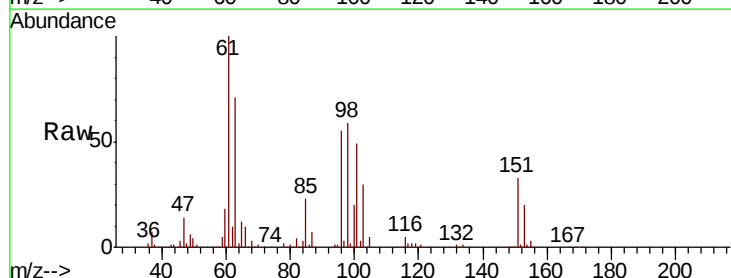
Tgt Ion: 96 Resp: 303405

Ion Ratio Lower Upper

96 100

61 180.3 128.2 238.2

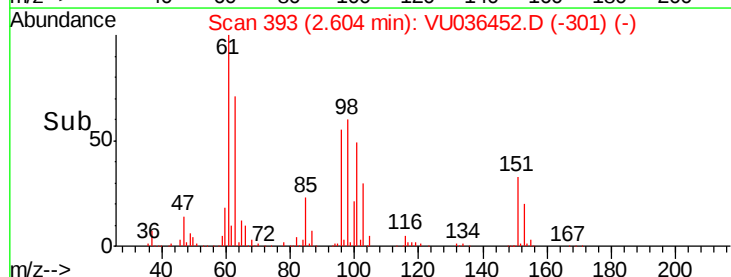
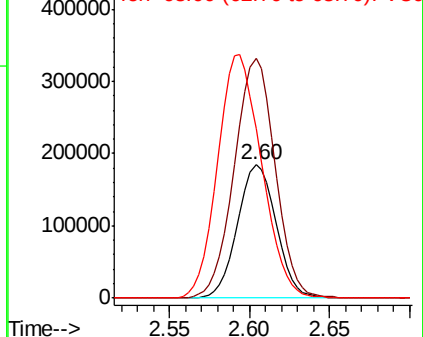
63 127.3 79.1 146.9

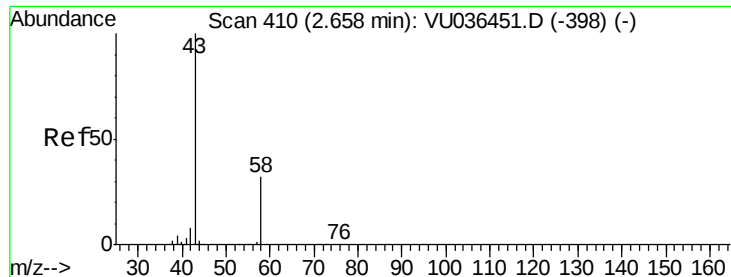


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 189.297 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

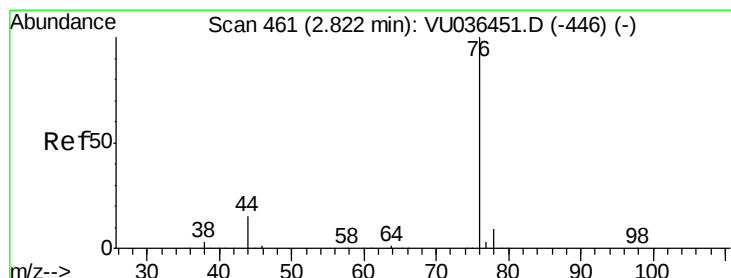
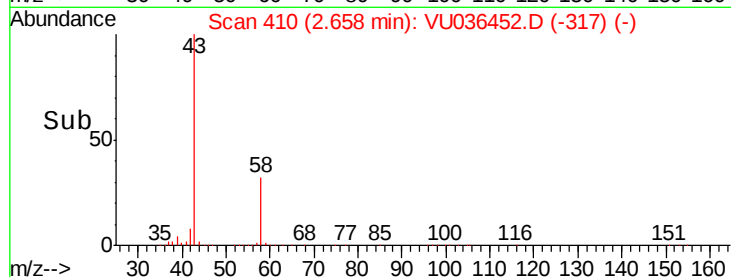
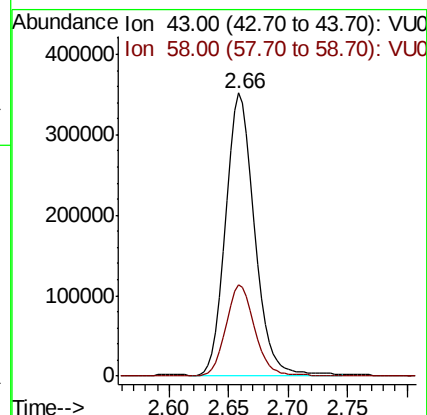
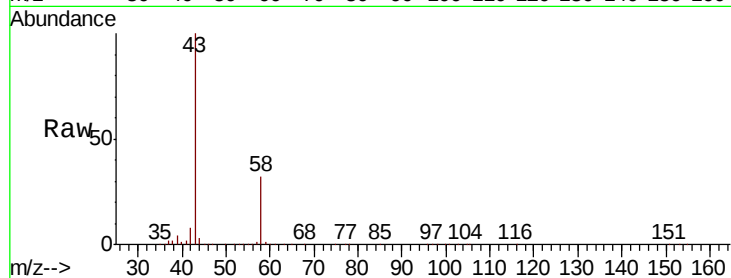
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 590369

Ion Ratio Lower Upper

43 100

58 32.0 0.0 65.0



#14

Carbon disulfide

Concen: 106.985 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036452.D

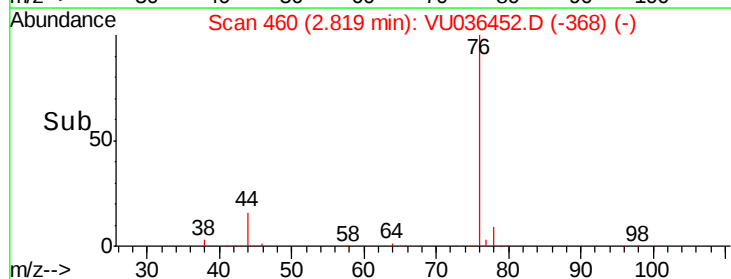
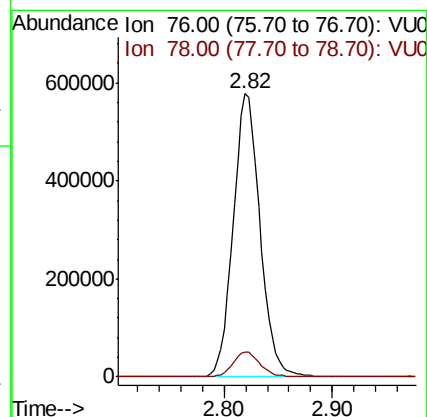
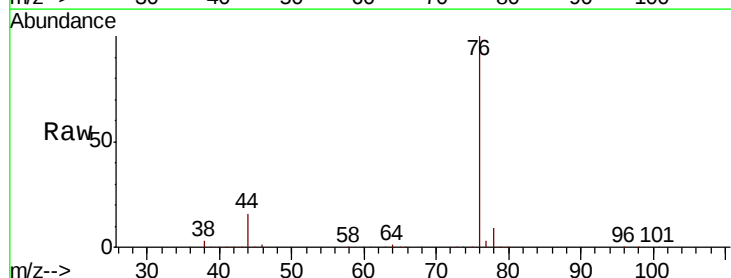
Acq: 14 Jan 2020 18:14

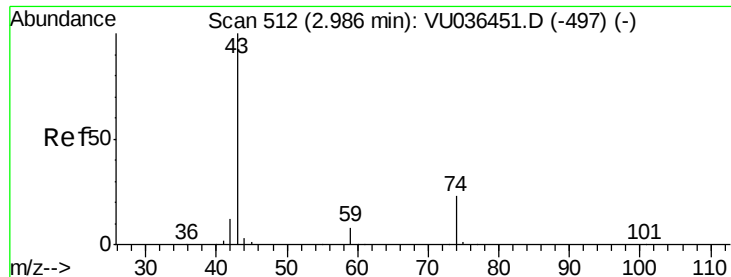
Tgt Ion: 76 Resp: 1004419

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

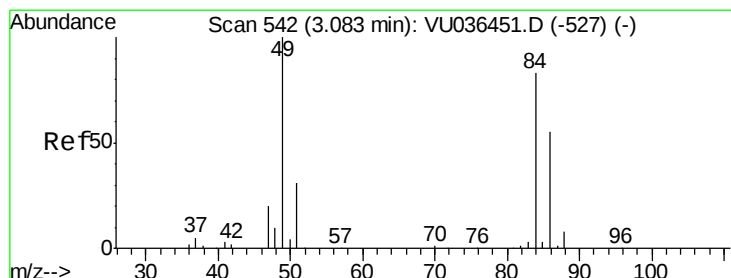
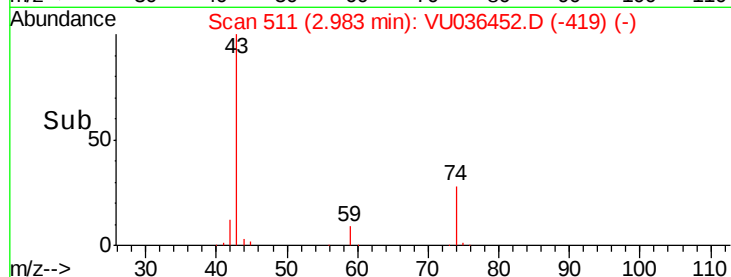
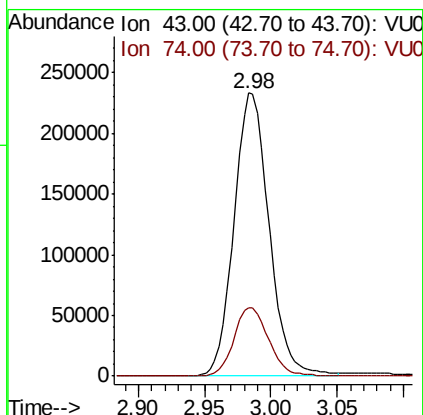
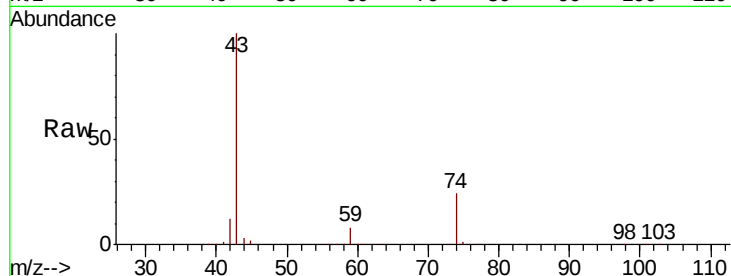




#15
Methvl Acetate
Concen: 101.543 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

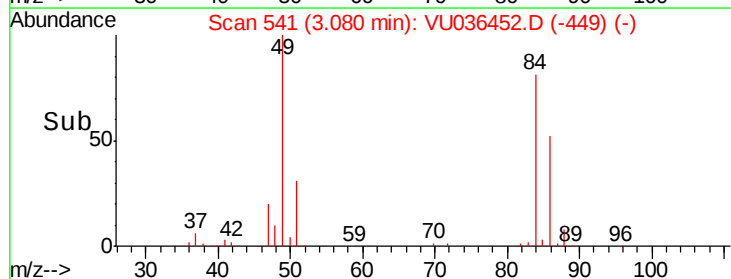
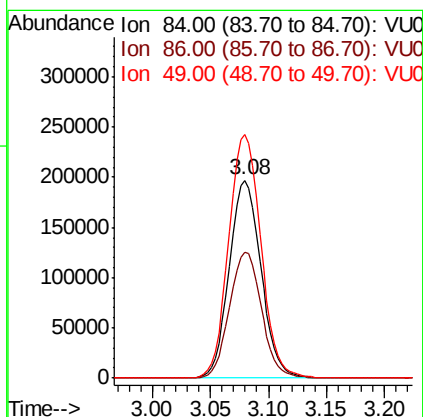
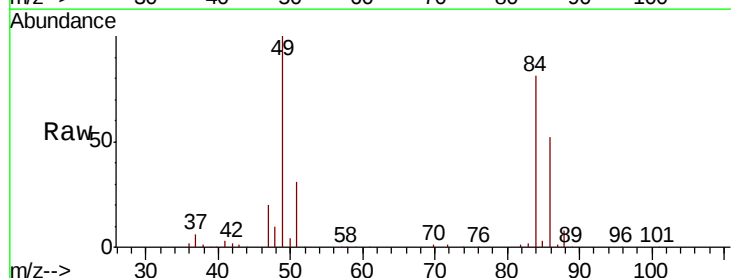
Instrument :
MSVOA_U
ClientSampleId :

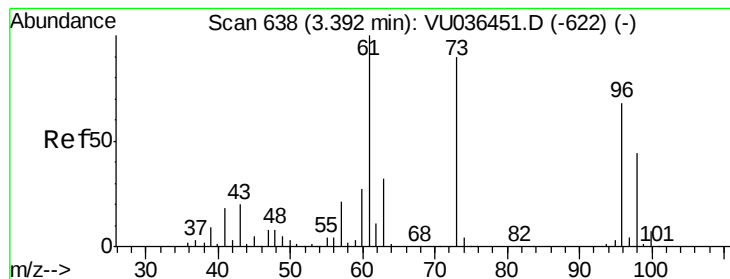
Tot Ion: 43 Resp: 426965
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 101.450 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 84 Resp: 373804
Ion Ratio Lower Upper
84 100
86 63.9 46.4 86.2
49 123.1 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 105.718 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

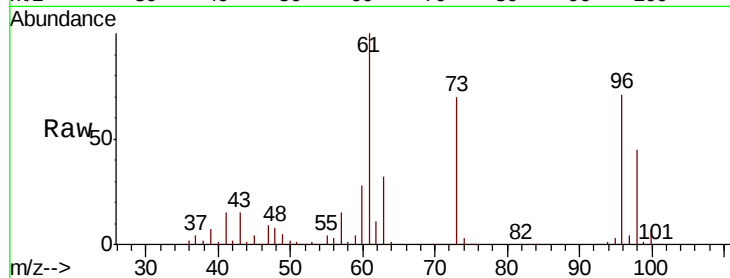
Tot Ion: 96 Resp: 342094

Ion Ratio Lower Upper

96 100

61 140.5 102.8 191.0

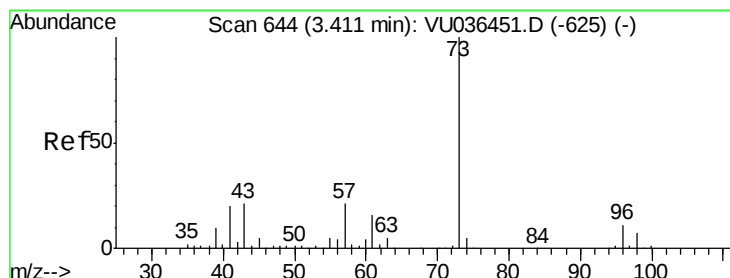
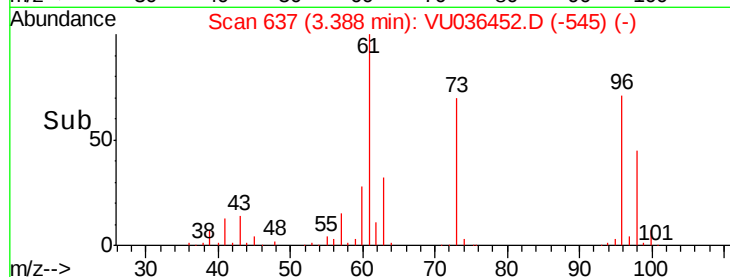
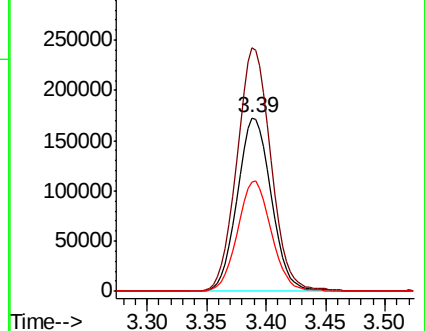
98 63.4 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU036451.D (-622) (-)

Ion 61.00 (60.70 to 61.70): VU036451.D (-622) (-)

Ion 98.00 (97.70 to 98.70): VU036451.D (-622) (-)



#18

Methyl tert-butyl Ether

Concen: 98.174 ug/L

RT: 3.41 min Scan# 644

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

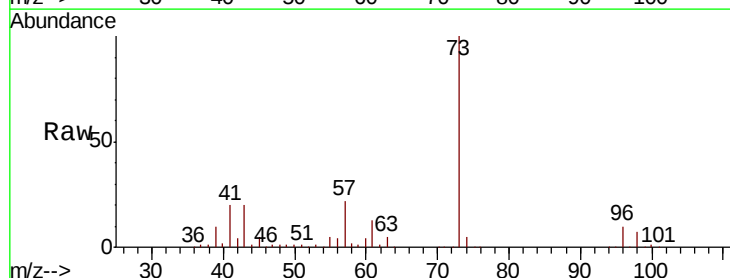
Tgt Ion: 73 Resp: 1152106

Ion Ratio Lower Upper

73 100

43 20.5 16.6 25.0

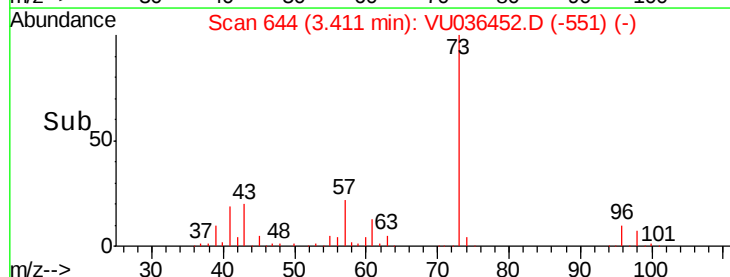
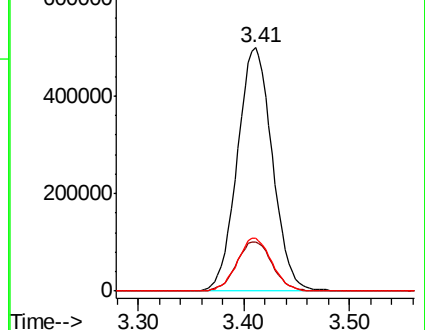
57 21.5 17.0 25.6

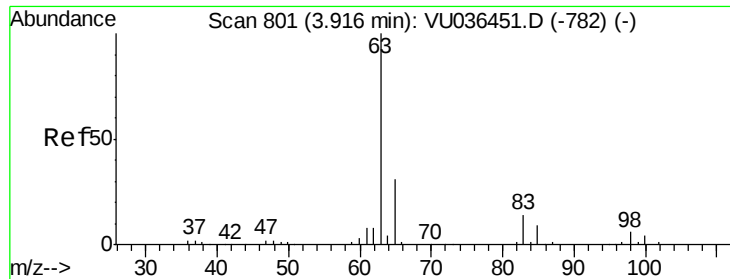


Abundance Ion 73.00 (72.70 to 73.70): VU036451.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU036451.D (-625) (-)

Ion 57.00 (56.70 to 57.70): VU036451.D (-625) (-)

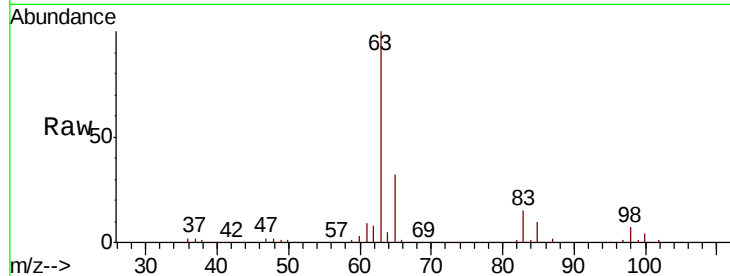




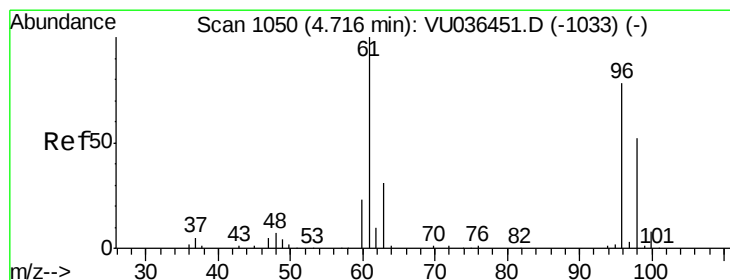
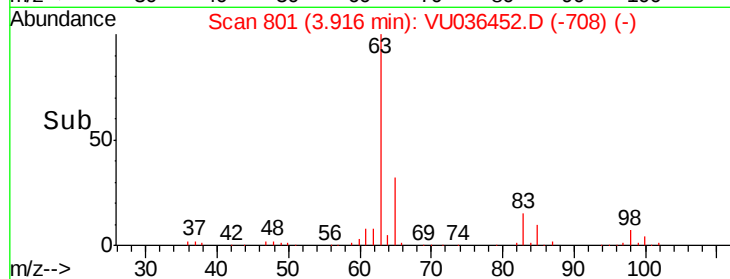
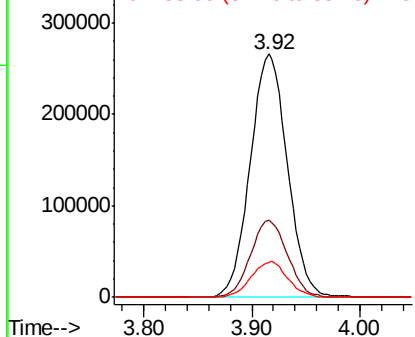
#19
 1,1-Dichloroethane
 Concen: 98.106 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 636322
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.4
 83 14.6 9.4 17.6

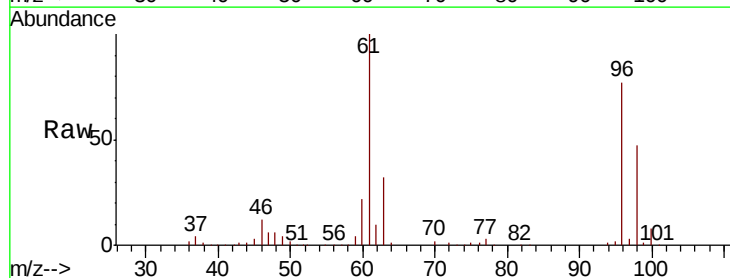


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

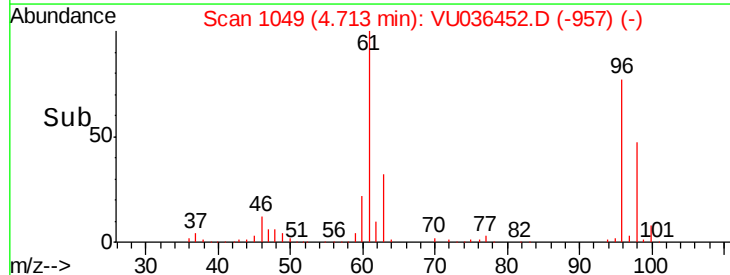
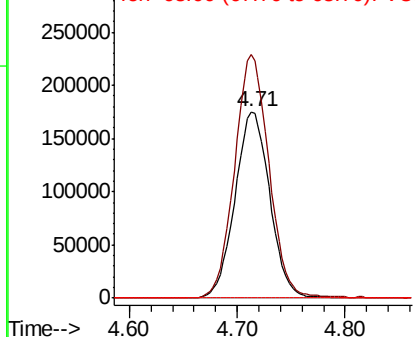


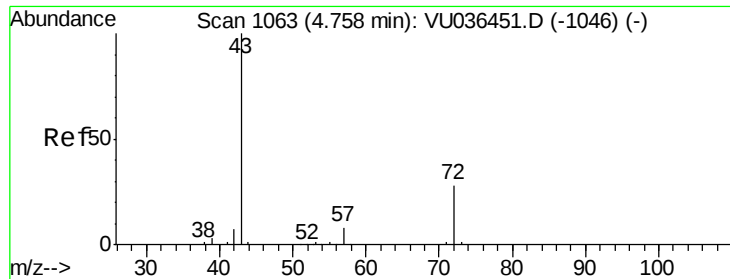
#20
 cis-1,2-Dichloroethene
 Concen: 100.384 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 96 Resp: 393417
 Ion Ratio Lower Upper
 96 100
 61 130.5 89.5 166.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 195.637 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

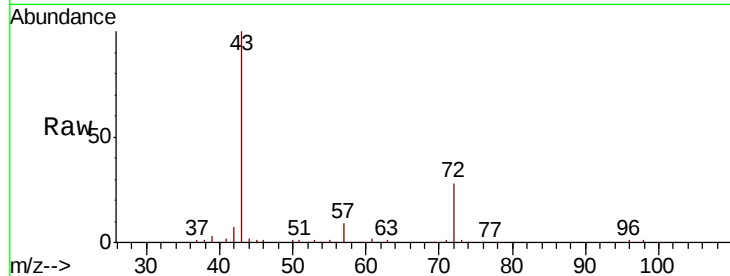
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 715077

Ion Ratio Lower Upper

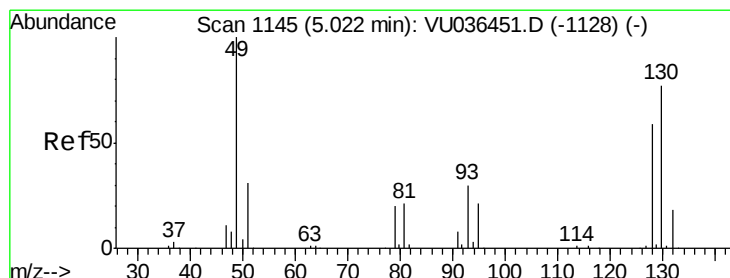
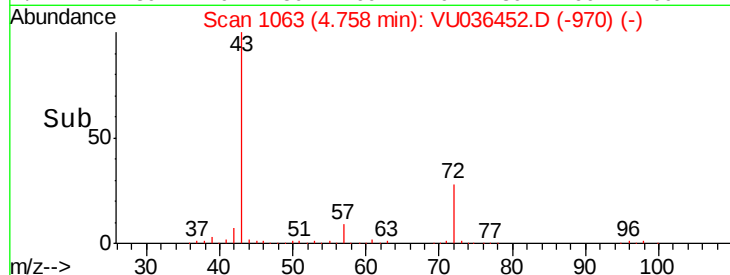
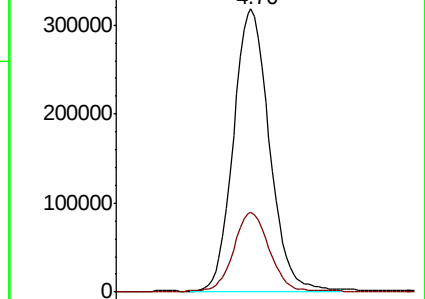
43 100

72 28.4 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036452.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036452.D (-970) (-)



#23

Bromochloromethane

Concen: 101.323 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Tgt Ion:128 Resp: 189390

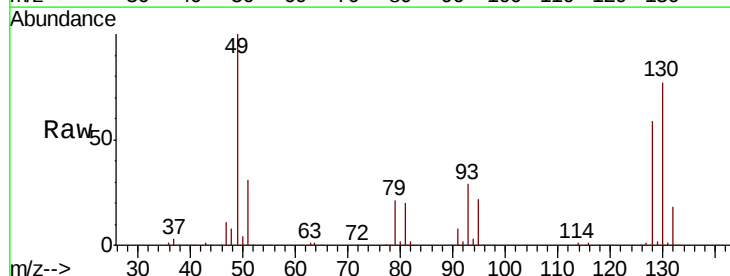
Ion Ratio Lower Upper

128 100

49 170.0 118.9 220.7

130 130.5 91.3 169.5

51 53.4 42.6 63.8

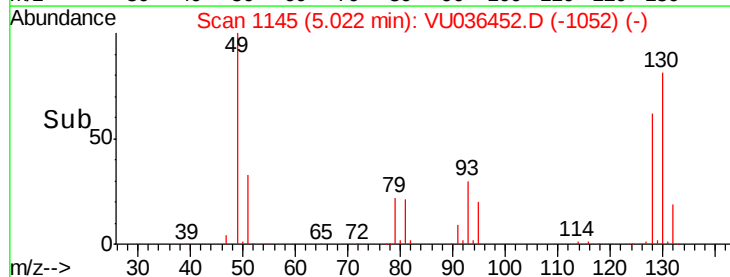
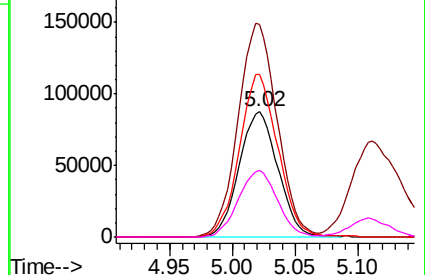


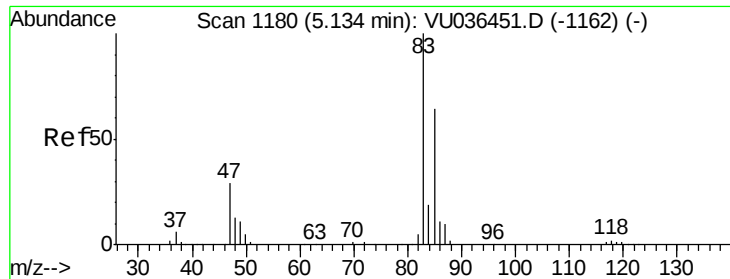
Abundance Ion 128.00 (127.70 to 128.70): VU036452.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036452.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036452.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036452.D (-1052) (-)

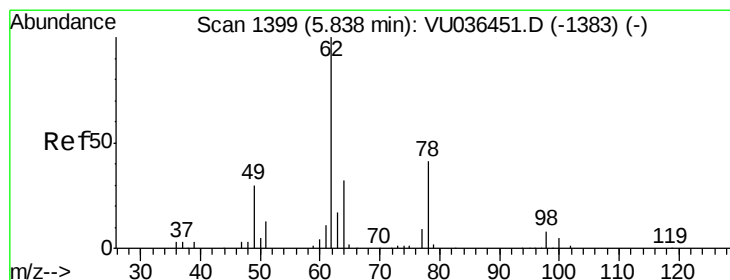
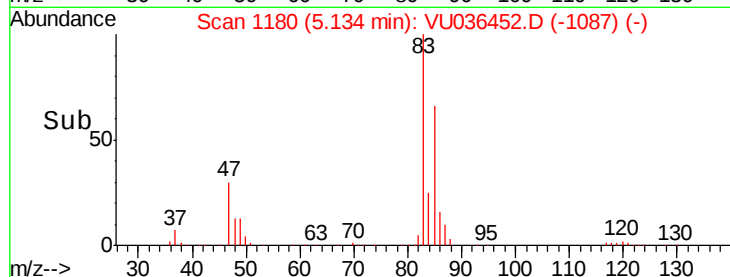
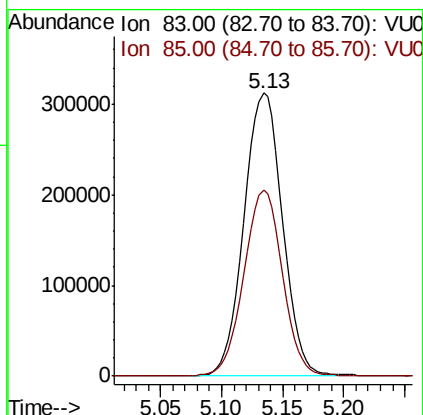
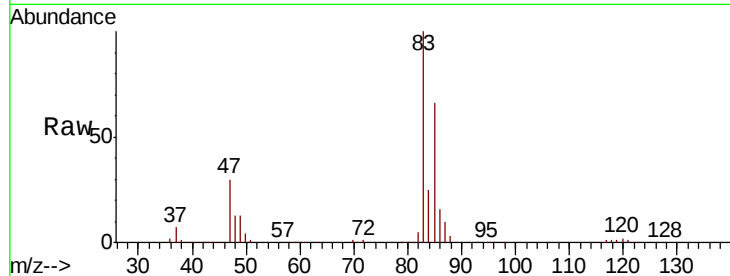




#25
Chloroform
Concen: 99.110 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

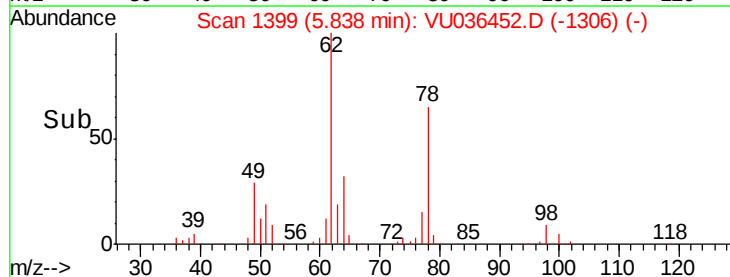
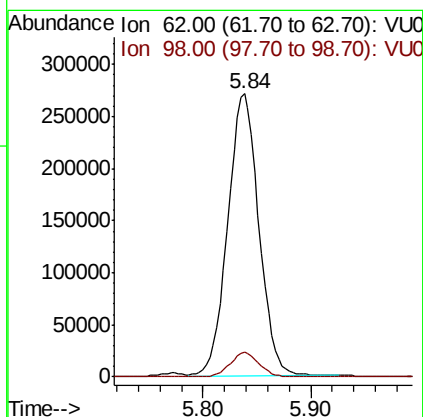
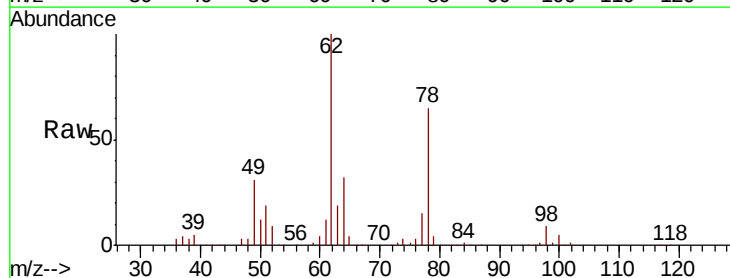
Instrument :
MSVOA_U
ClientSampleId :

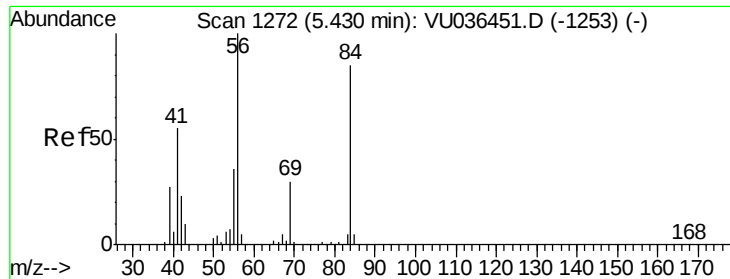
Tot Ion: 83 Resp: 682773
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 101.861 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 62 Resp: 546430
Ion Ratio Lower Upper
62 100
98 8.8 6.6 9.8

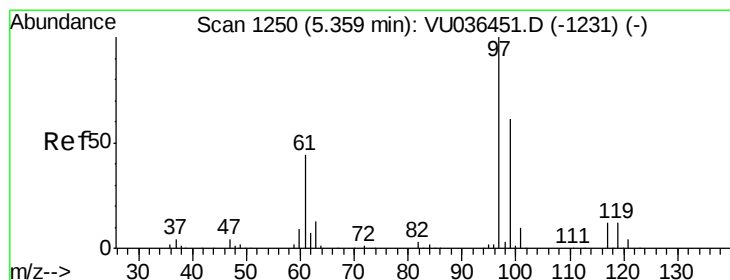
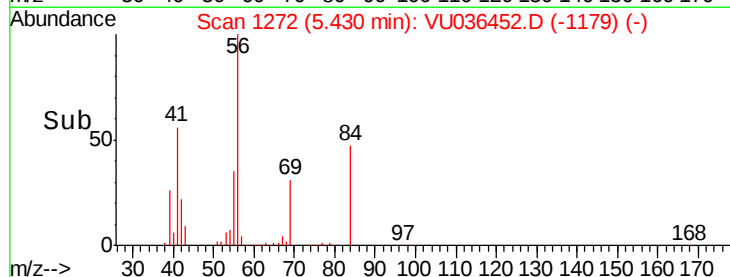
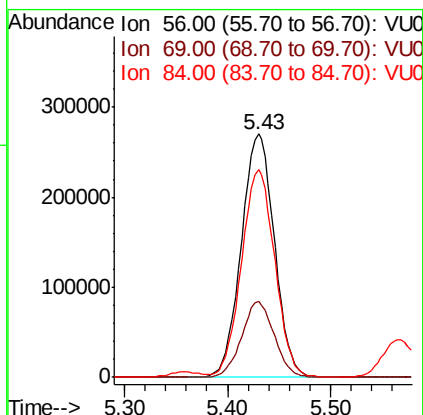
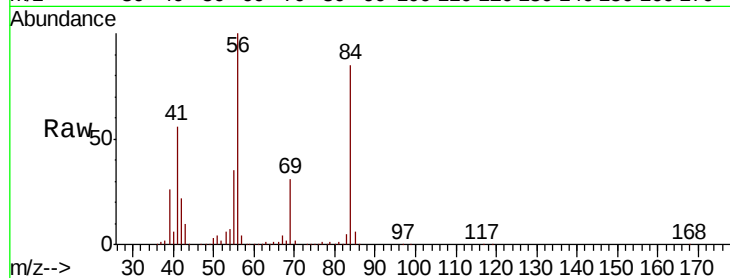




#29
Cyclohexane
Concen: 103.669 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

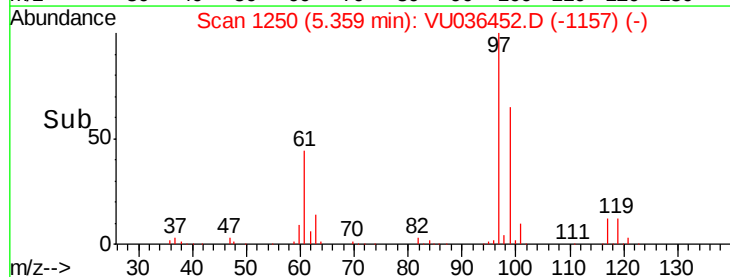
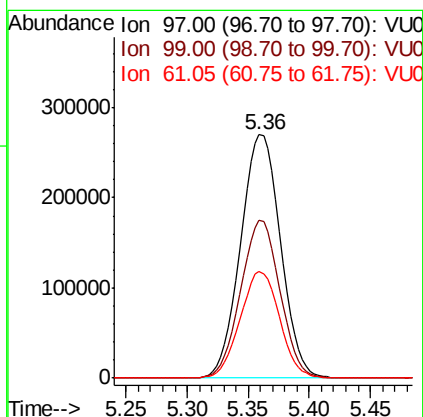
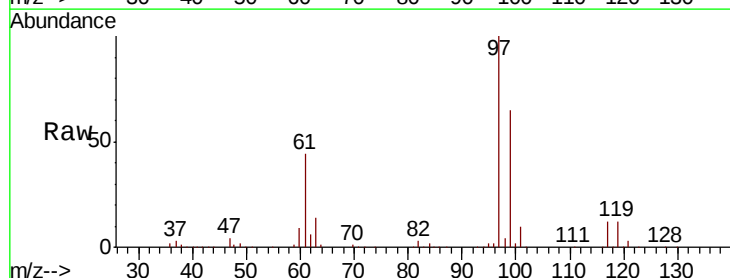
Instrument :
MSVOA_U
ClientSampled :

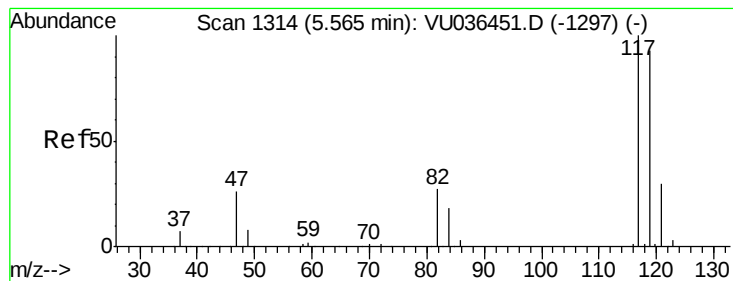
Tot Ion: 56 Resp: 602179
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 86.0 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 100.413 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 97 Resp: 611750
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.2
61 43.5 35.3 52.9





#31

Carbon tetrachloride

Concen: 99.792 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

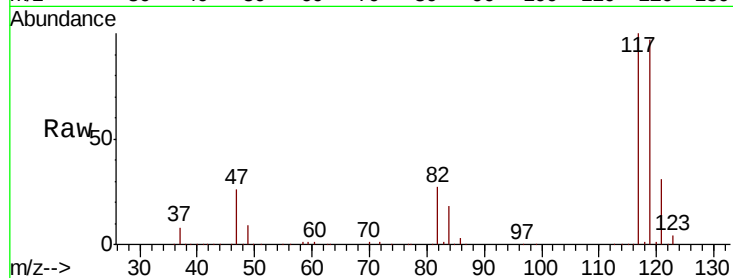
ClientSampled :

Tot Ion:117 Resp: 528228

Ion Ratio Lower Upper

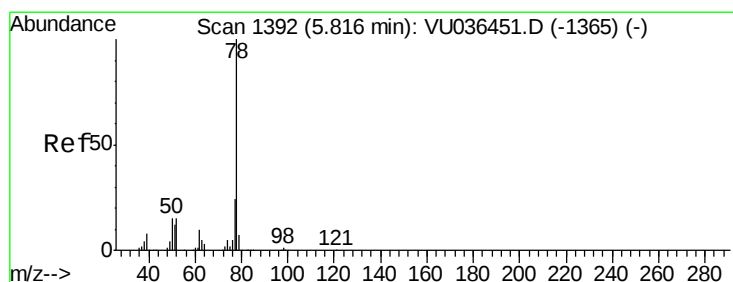
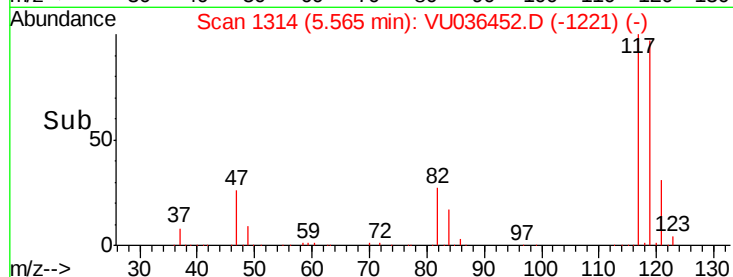
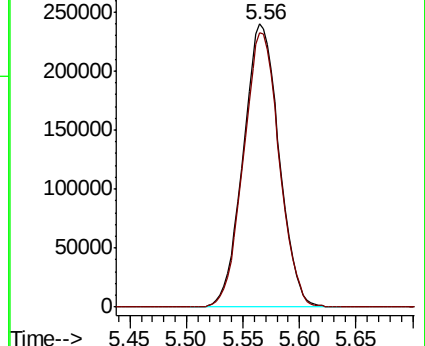
117 100

119 96.6 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 98.844 ug/L

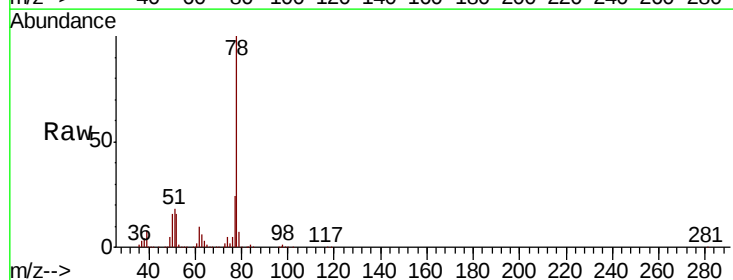
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

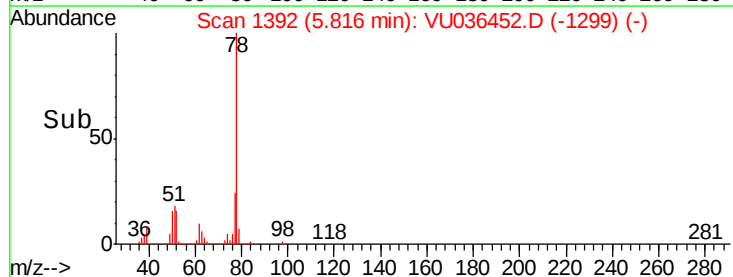
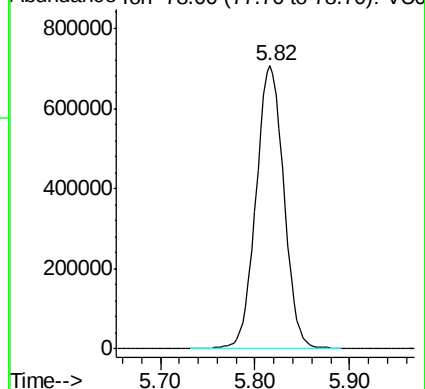
Lab File: VU036452.D

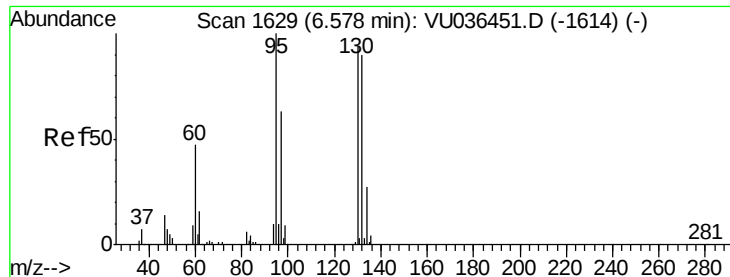
Acq: 14 Jan 2020 18:14

Tgt Ion: 78 Resp: 1446350



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 104.966 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 398805

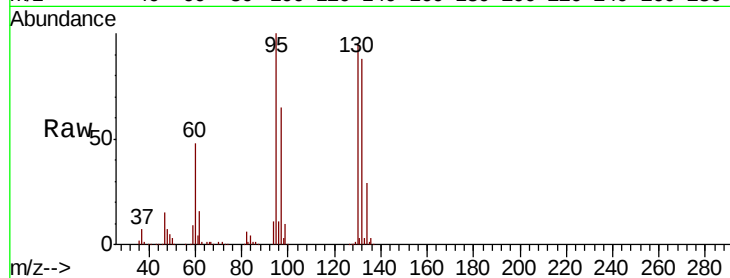
Ion Ratio Lower Upper

95 100

97 65.1 44.2 82.2

132 87.9 62.8 116.6

130 95.1 66.1 122.7

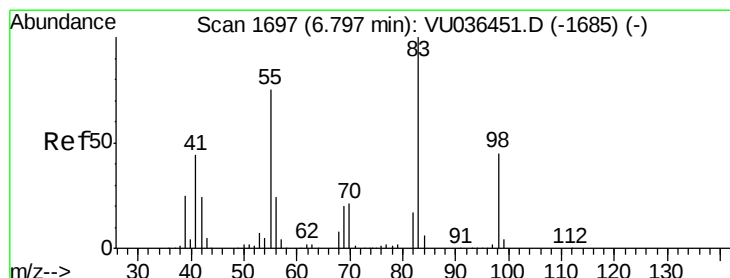
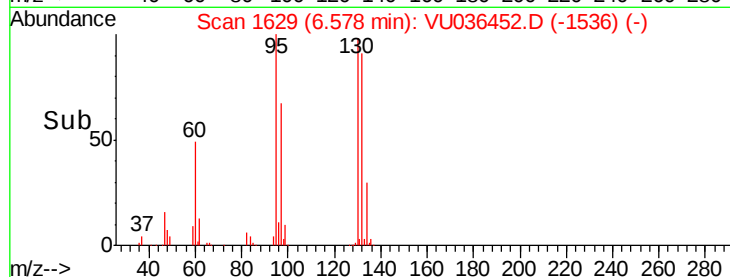
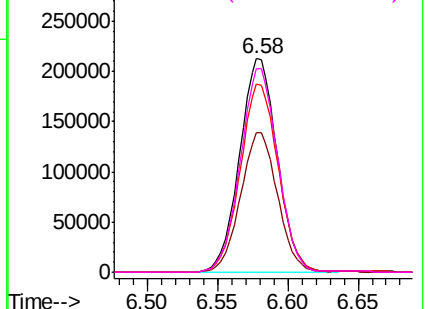


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 100.276 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

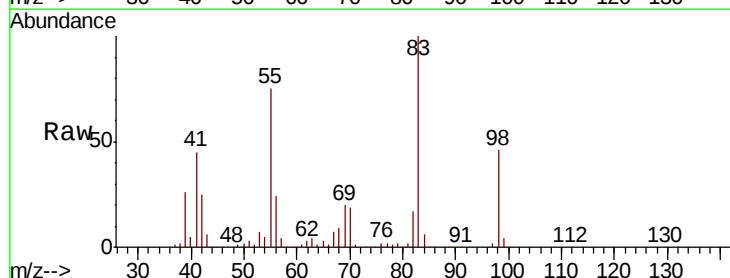
Tgt Ion: 83 Resp: 604404

Ion Ratio Lower Upper

83 100

55 75.2 59.9 89.9

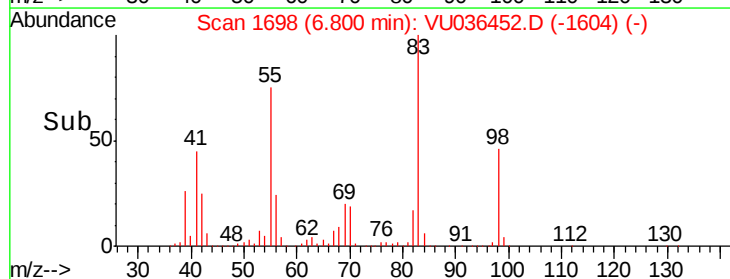
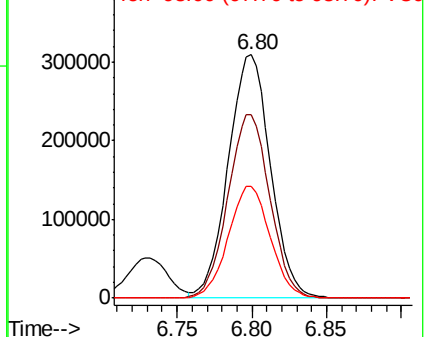
98 46.0 36.4 54.6

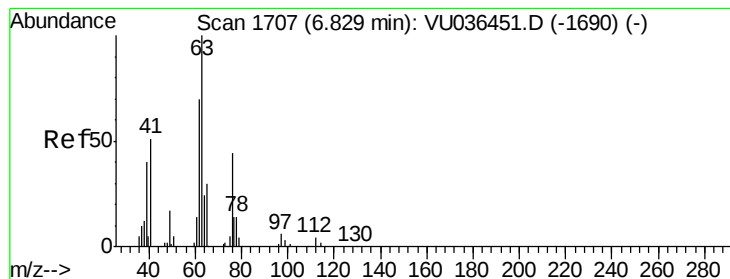


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 95.592 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

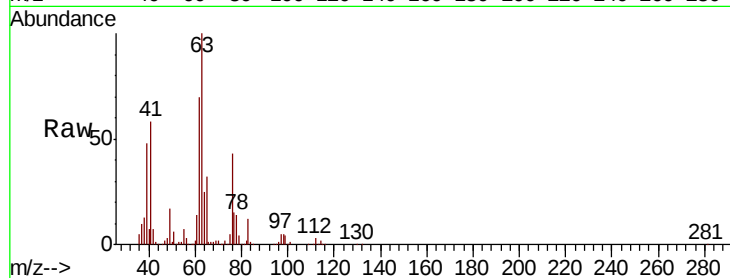
ClientSampleId :

Tot Ion: 63 Resp: 376013

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU036451.D (-1690) (-)

Ion 112.00 (111.70 to 112.70): VU036451.D (-1690) (-)

6.83

200000

150000

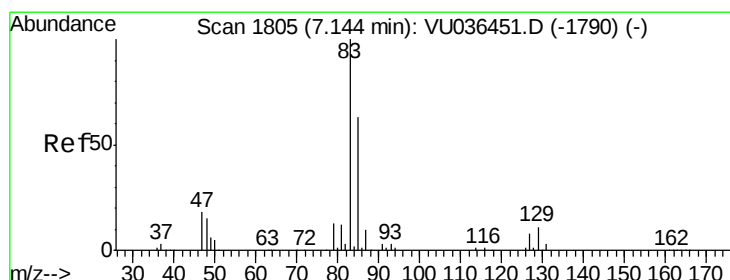
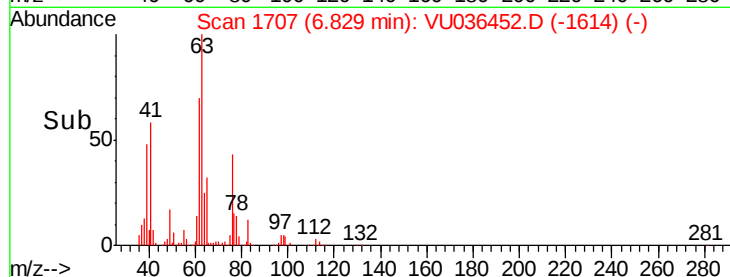
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 97.545 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

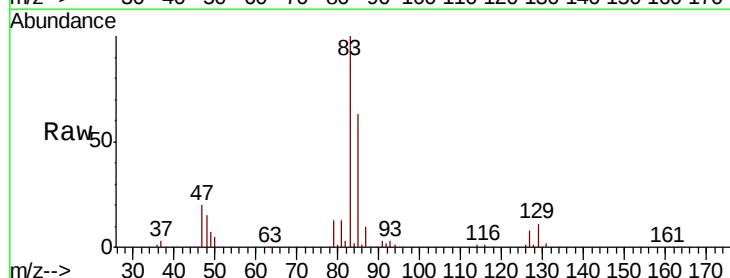
Tgt Ion: 83 Resp: 540655

Ion Ratio Lower Upper

83 100

85 63.5 44.0 81.8

127 8.3 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VU036451.D (-1790) (-)

Ion 85.00 (84.70 to 85.70): VU036451.D (-1790) (-)

Ion 127.00 (126.70 to 127.70): VU036451.D (-1790) (-)

7.14

400000

300000

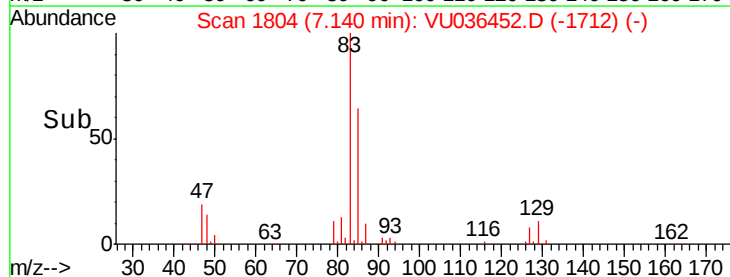
200000

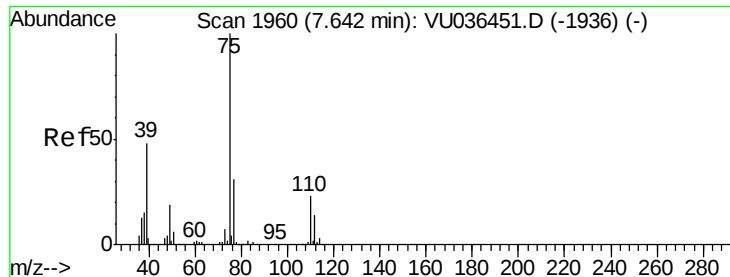
100000

0

7.05 7.10 7.15 7.20

Time-->



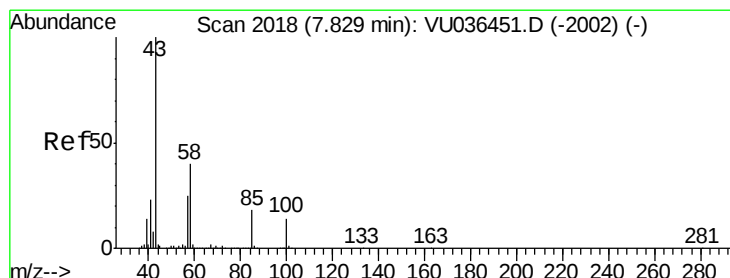
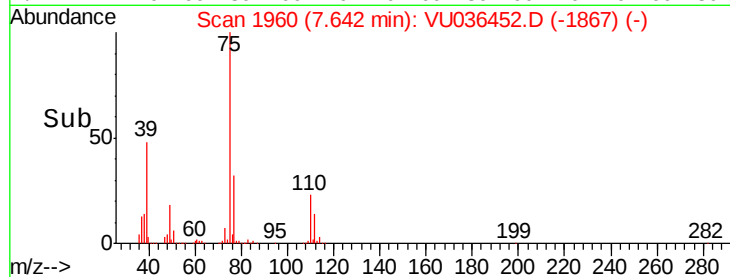
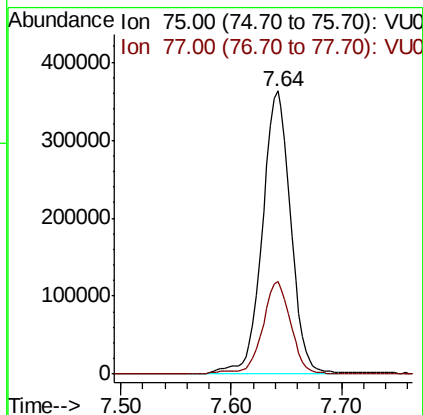
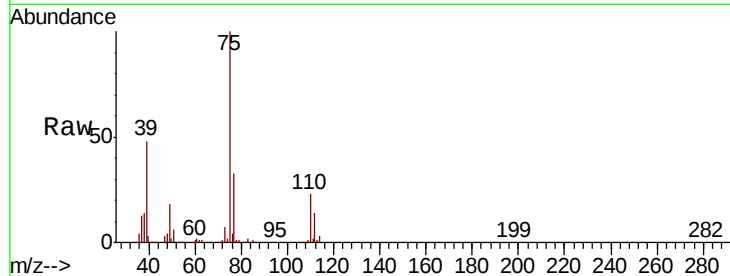


#39

cis-1,3-Dichloropropene
 Concen: 97.833 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Instrument :
 MSVOA_U
 ClientSampleId :

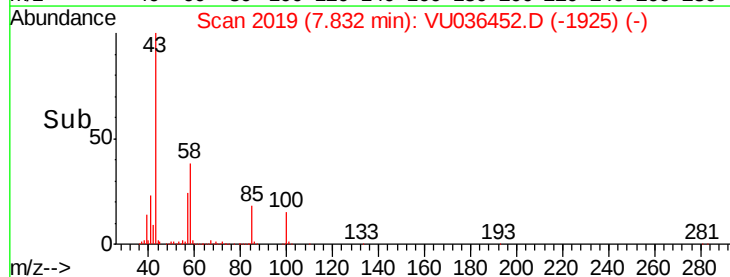
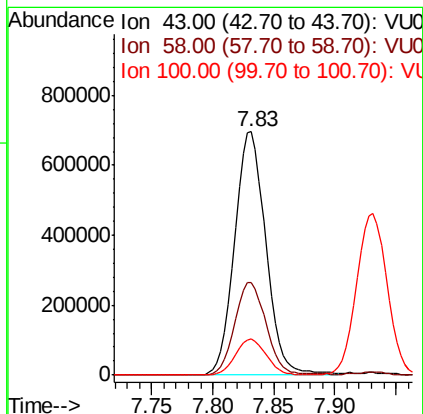
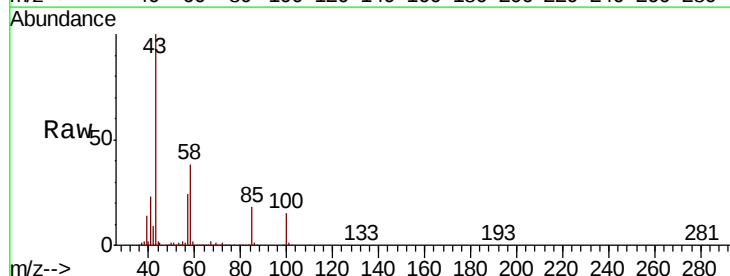
Tot Ion: 75 Resp: 648237
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.8 40.4

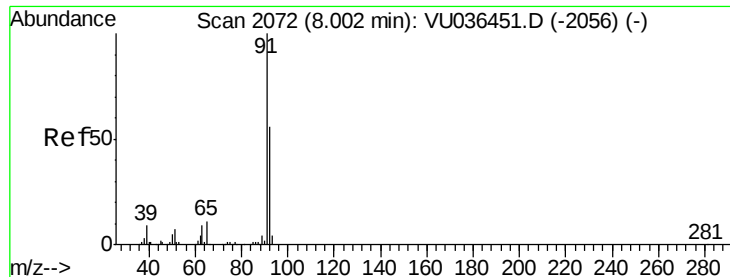


#40

4-Methyl-2-pentanone
 Concen: 186.477 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 43 Resp: 1237779
 Ion Ratio Lower Upper
 43 100
 58 38.4 32.0 48.0
 100 14.7 11.4 17.0





#42

Toluene

Concen: 99.628 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

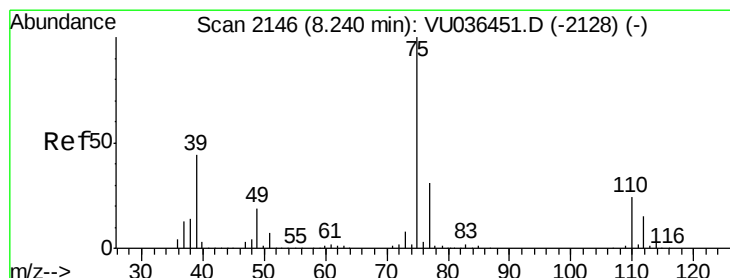
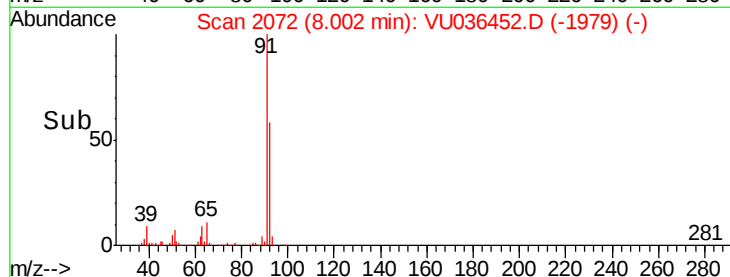
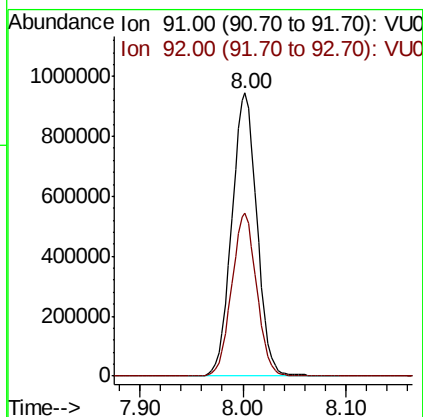
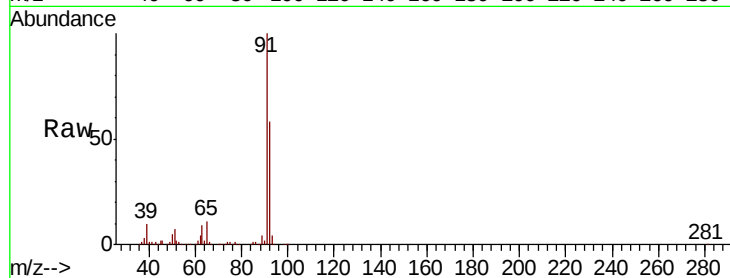
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1605207

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 95.717 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036452.D

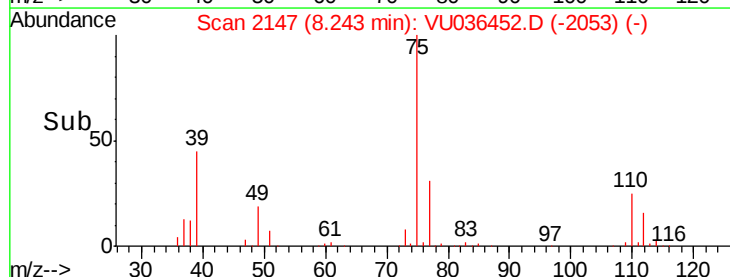
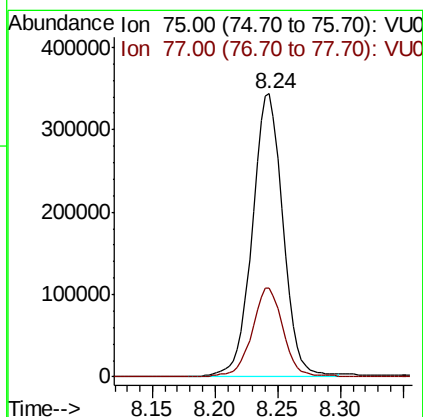
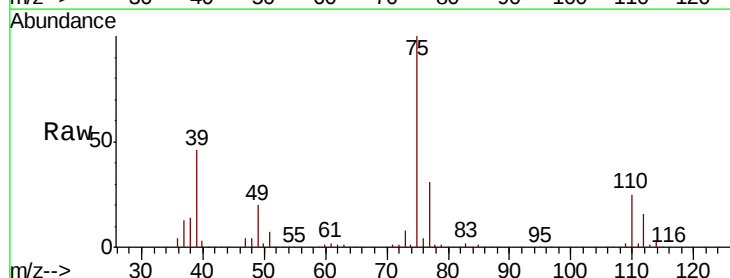
Acq: 14 Jan 2020 18:14

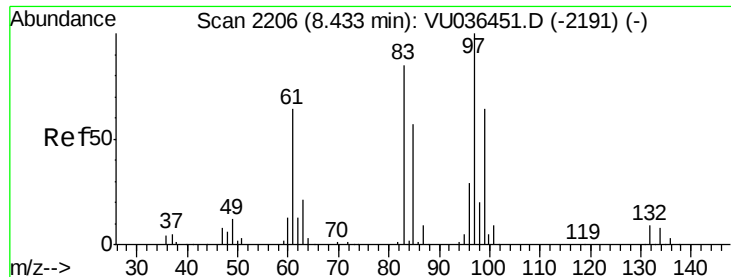
Tgt Ion: 75 Resp: 588195

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

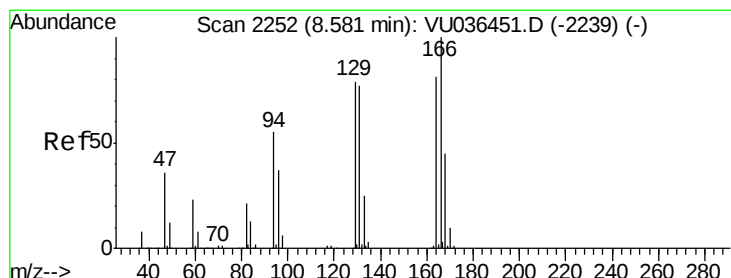
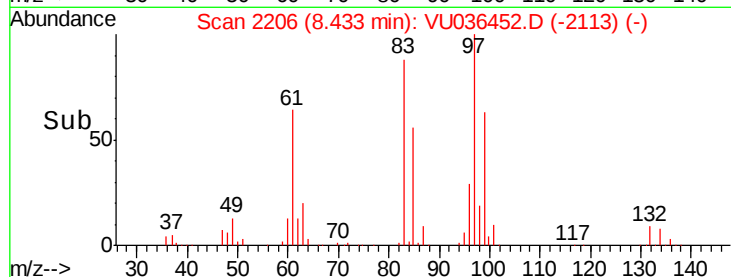
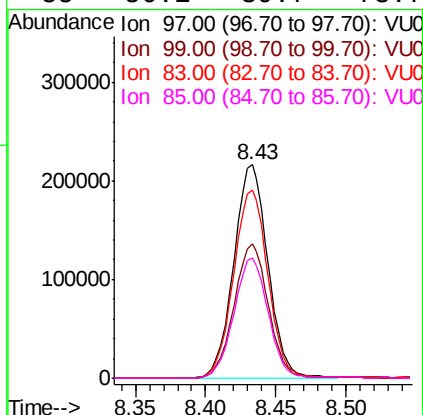
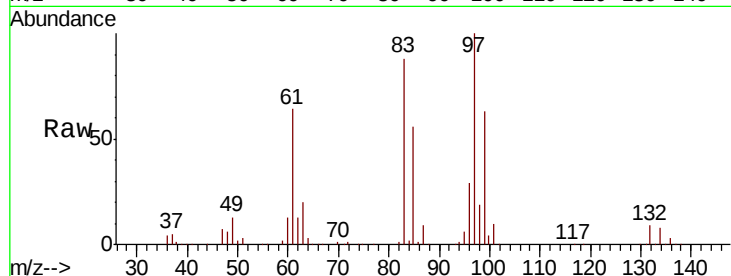




#45
 1,1,2-Trichloroethane
 Concen: 99.916 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

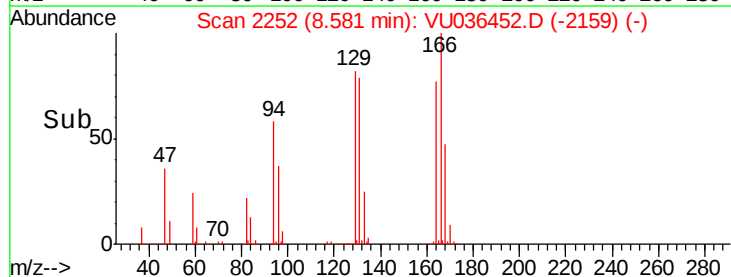
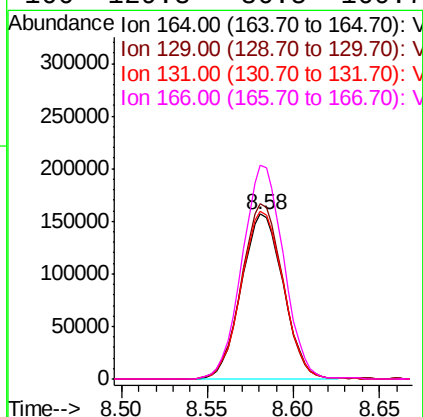
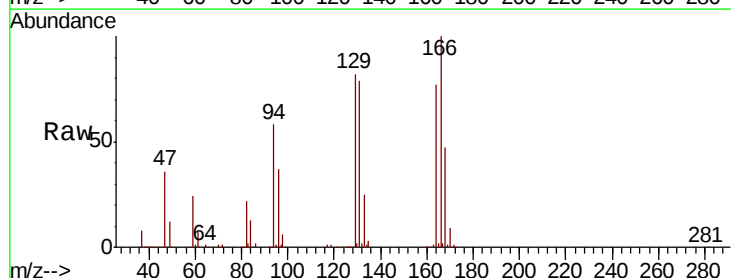
Instrument :
 MSVOA_U
 ClientSampleId :

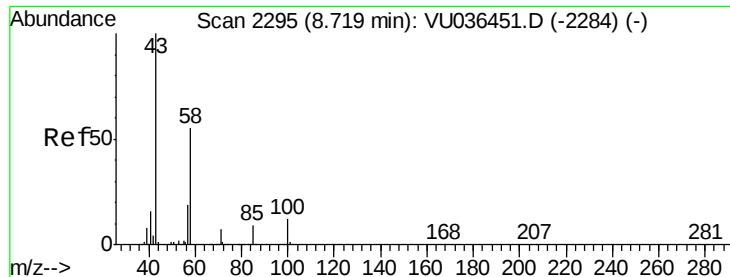
Tot Ion:	97	Resp:	367329
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.7	82.9
83	88.3	59.4	110.2
85	56.1	39.7	73.7



#46
 Tetrachloroethene
 Concen: 98.123 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Tgt Ion:	164	Resp:	265930
Ion	Ratio	Lower	Upper
164	100		
129	106.9	68.1	126.5
131	102.1	66.6	123.6
166	129.8	86.5	160.7

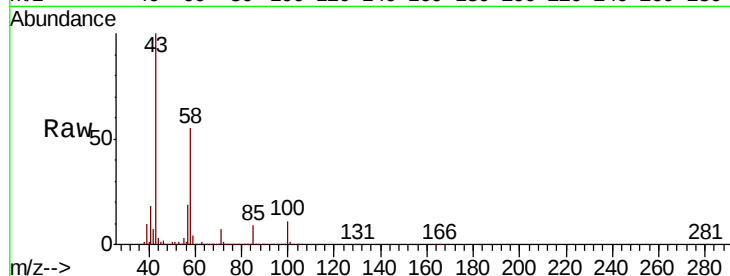




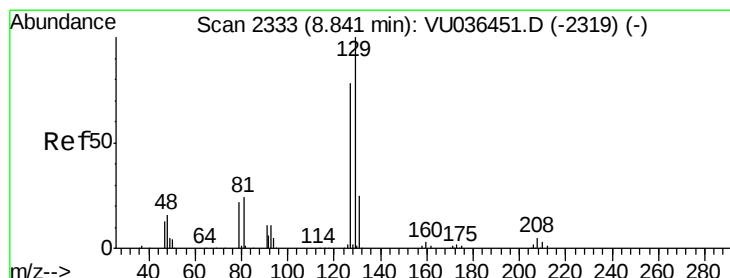
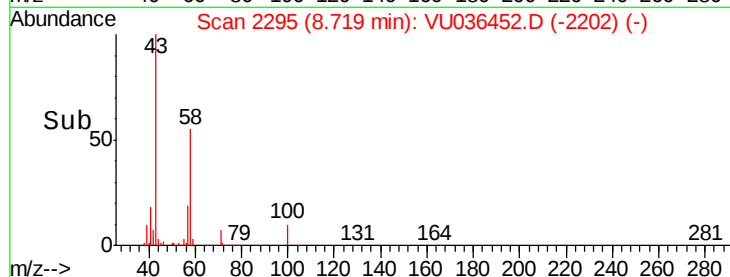
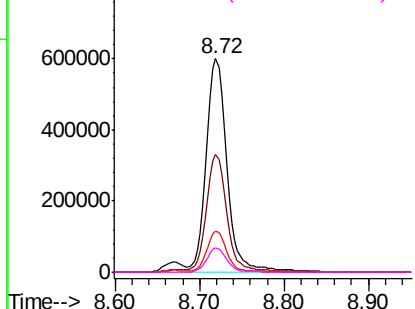
#48
2-Hexanone
Concen: 203.145 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1036299
Ion Ratio Lower Upper
43 100
58 52.4 43.7 65.5
57 18.2 14.7 22.1
100 11.1 9.4 14.0

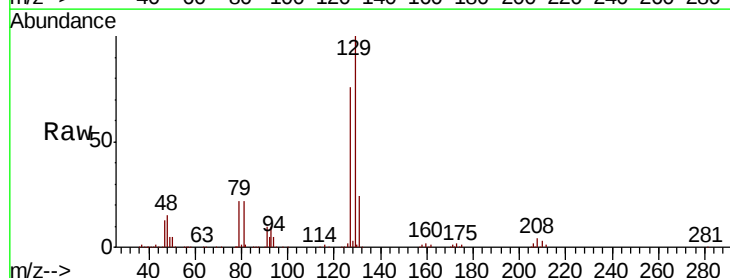


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

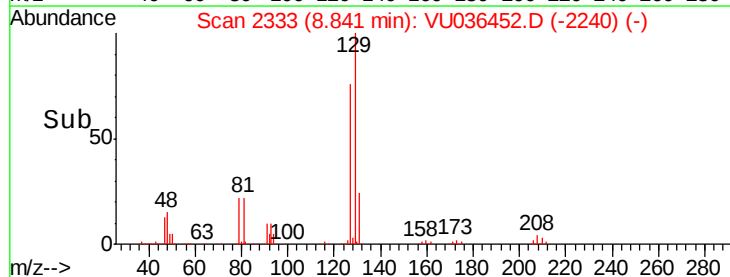
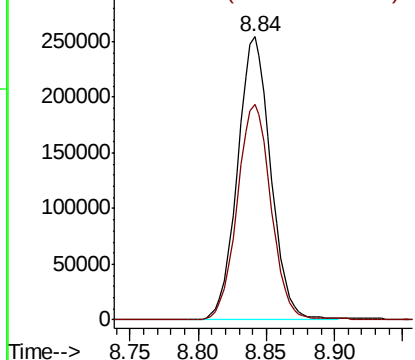


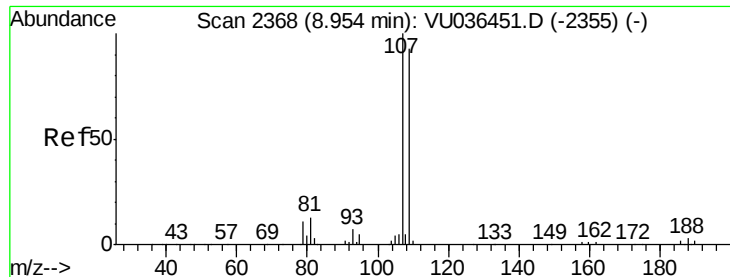
#49
Dibromochloromethane
Concen: 96.008 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036452.D
Acq: 14 Jan 2020 18:14

Tgt Ion: 129 Resp: 429338
Ion Ratio Lower Upper
129 100
127 76.1 54.7 101.7



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





#50

1,2-Dibromoethane

Concen: 98.675 ug/L

RT: 8.95 min Scan# 2368

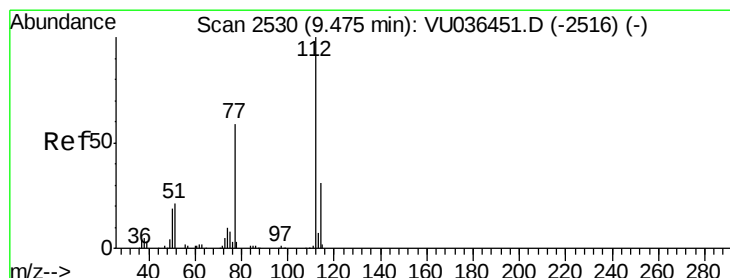
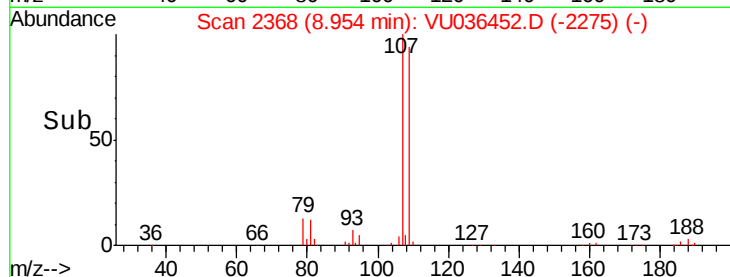
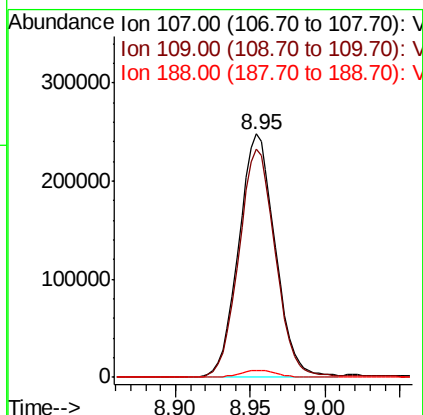
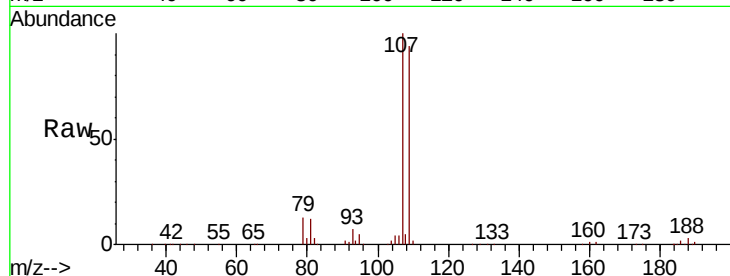
Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	107	Resp:	421761
Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.0	120.8
188	3.0	2.6	4.0



#51

Chlorobenzene

Concen: 100.017 ug/L

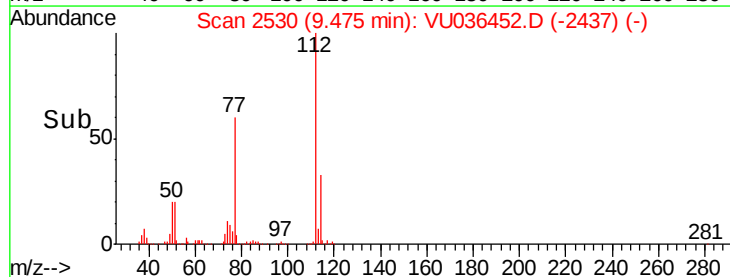
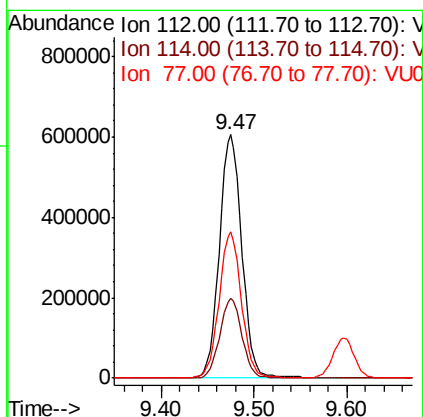
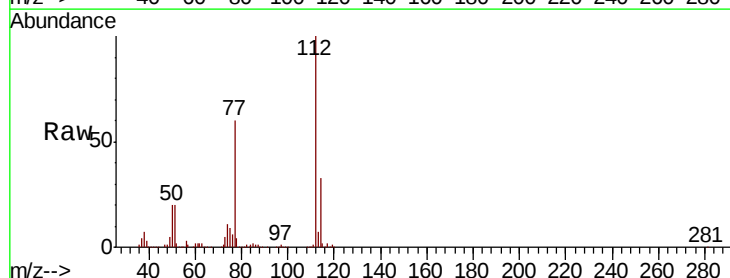
RT: 9.47 min Scan# 2530

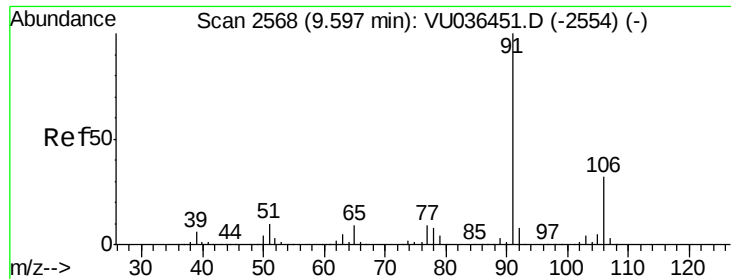
Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Tgt Ion:	112	Resp:	1013831
Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.0	41.0
77	60.0	47.8	71.8





#52

Ethylbenzene

Concen: 99.264 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

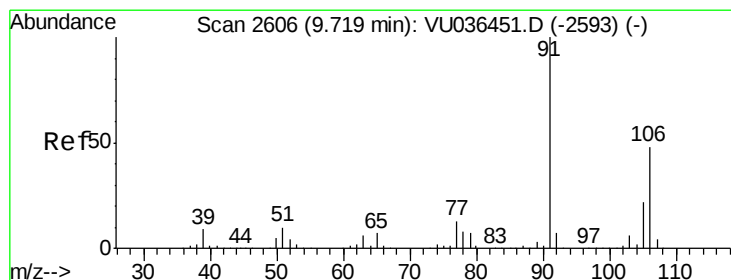
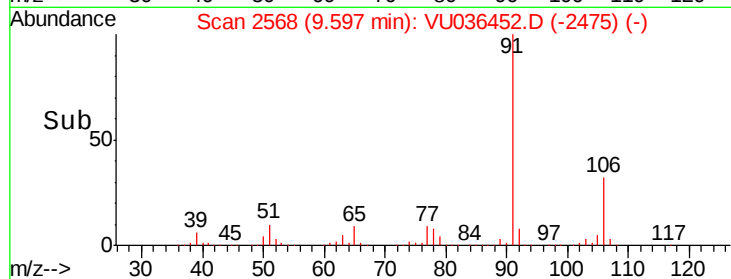
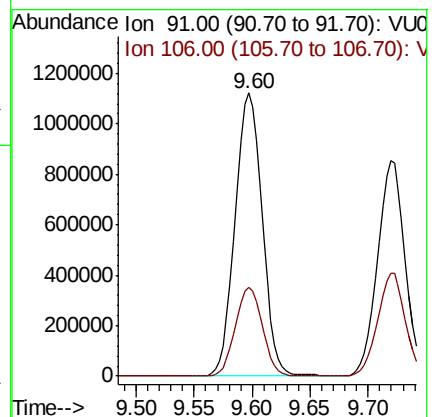
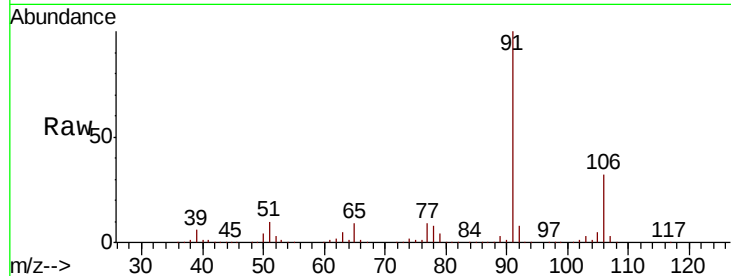
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1812500

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.3



#53

m,p-Xylene

Concen: 99.822 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036452.D

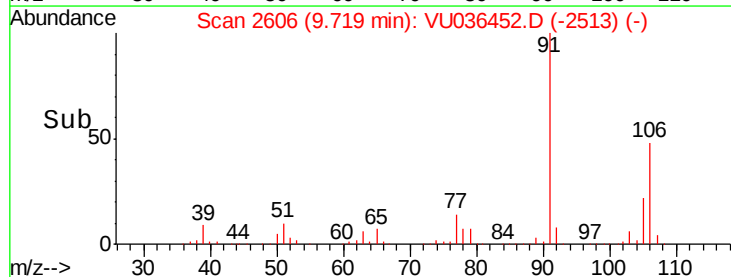
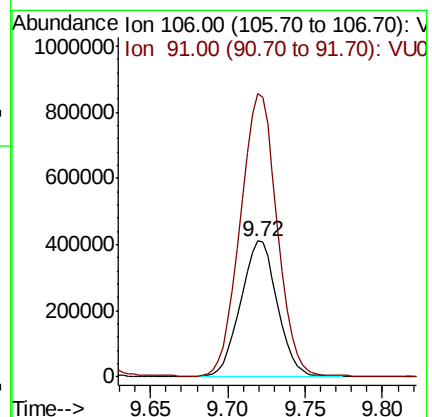
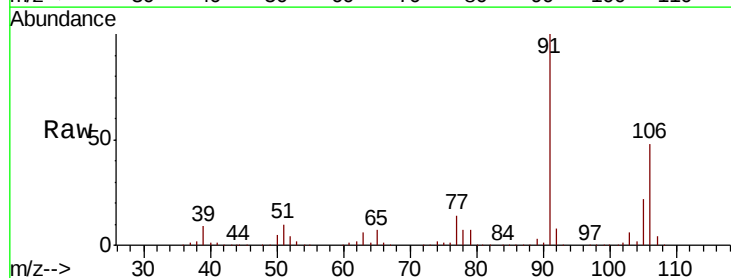
Acq: 14 Jan 2020 18:14

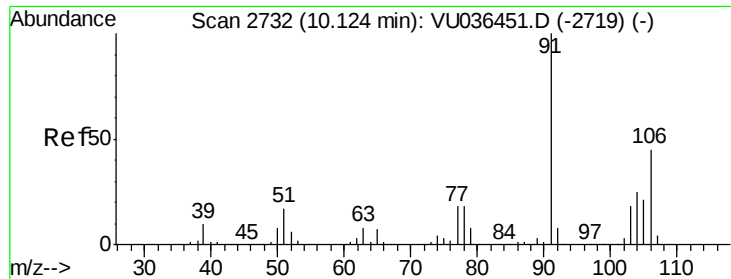
Tgt Ion: 106 Resp: 675648

Ion Ratio Lower Upper

106 100

91 208.7 145.9 270.9





#54

o-xylene

Concen: 98.064 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

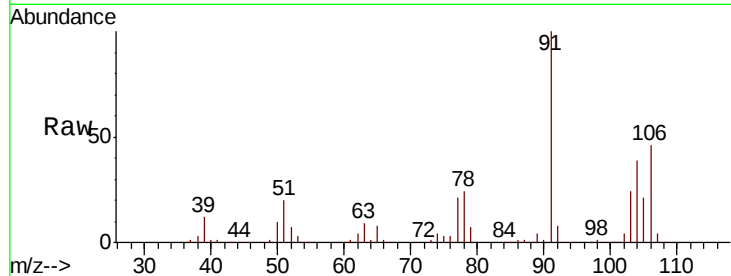
ClientSampled :

Tot Ion:106 Resp: 667237

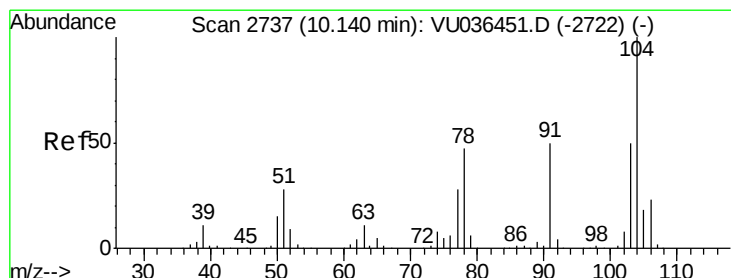
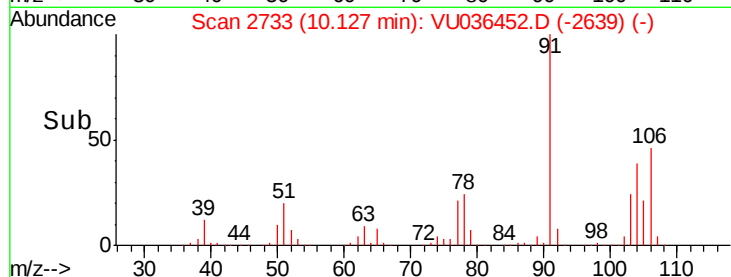
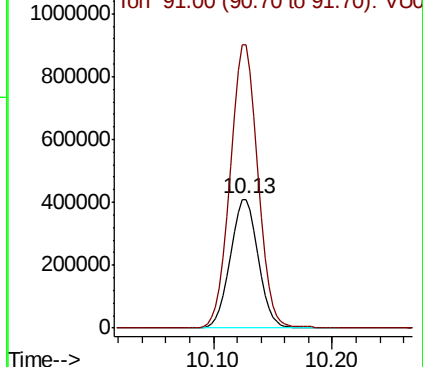
Ion Ratio Lower Upper

106 100

91 219.5 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 98.562 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036452.D

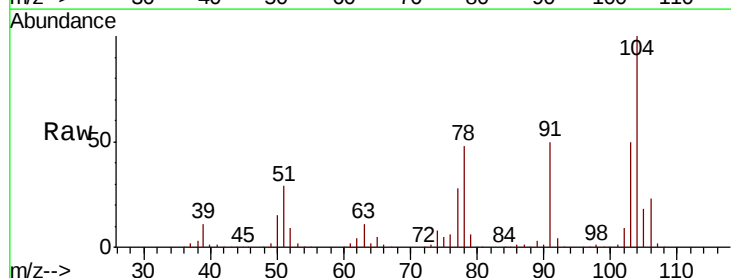
Acq: 14 Jan 2020 18:14

Tgt Ion:104 Resp: 1128415

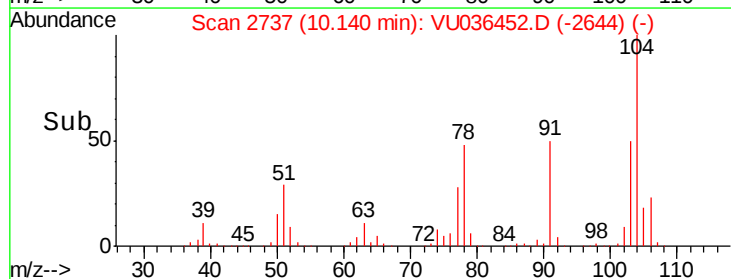
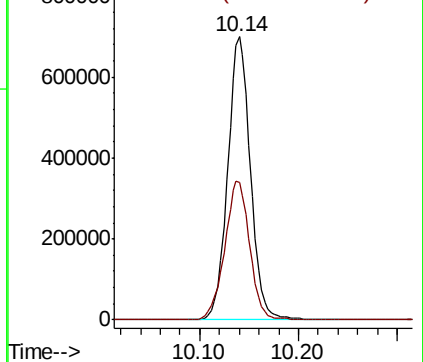
Ion Ratio Lower Upper

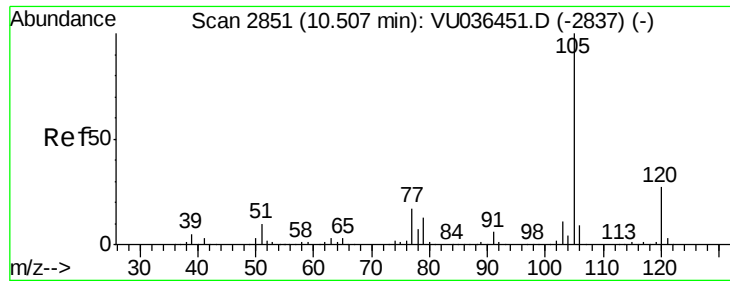
104 100

78 48.3 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 98.929 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

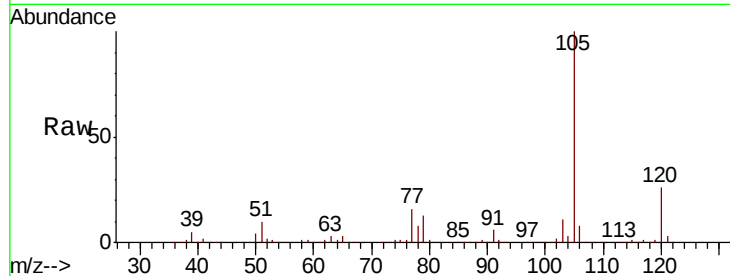
Tot Ion:105 Resp: 1751524

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

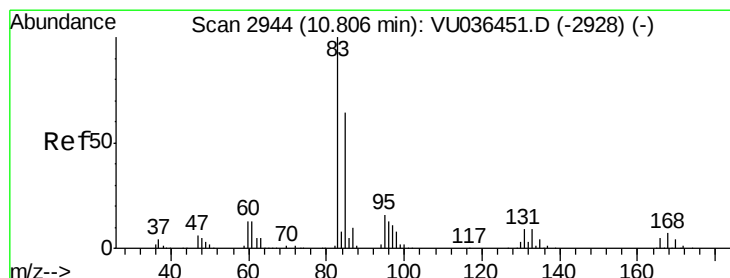
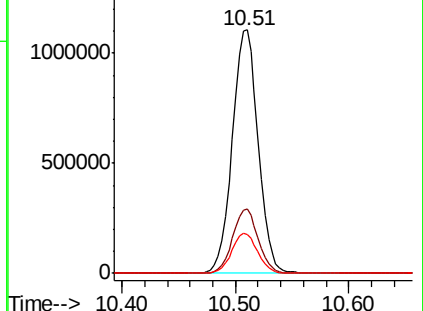
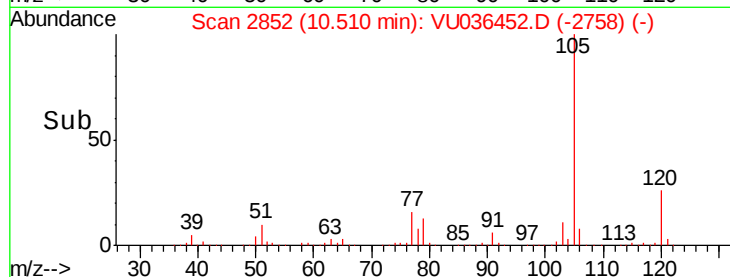
77 16.5 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 94.221 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

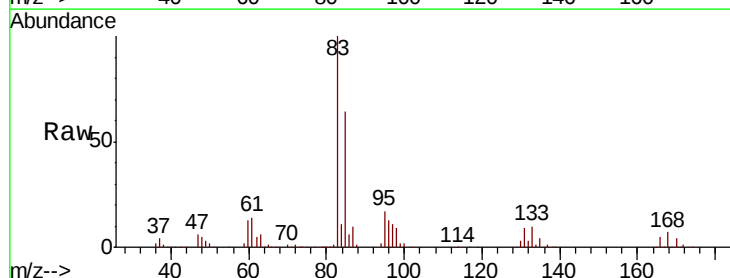
Tgt Ion: 83 Resp: 652834

Ion Ratio Lower Upper

83 100

85 63.7 44.7 82.9

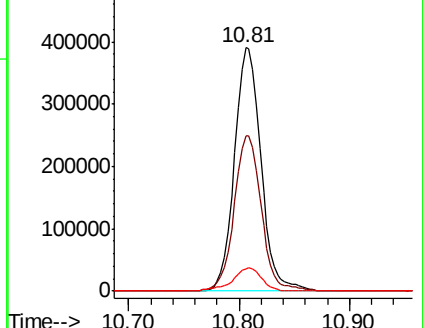
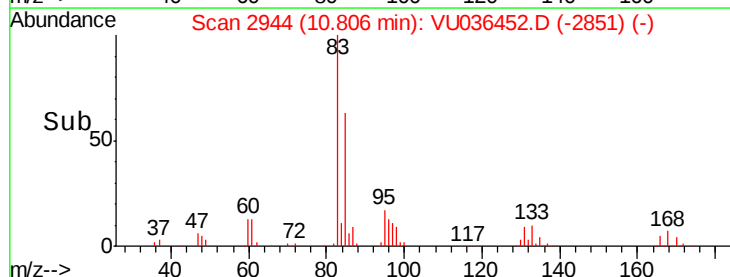
131 9.3 7.0 10.6

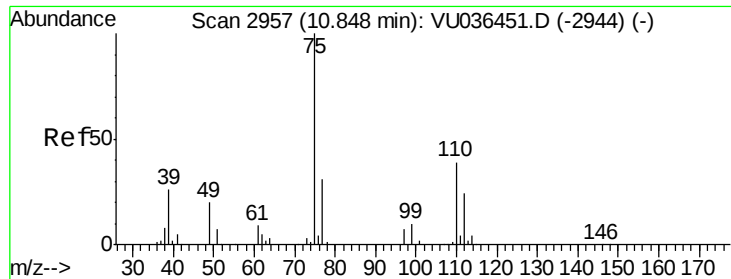


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

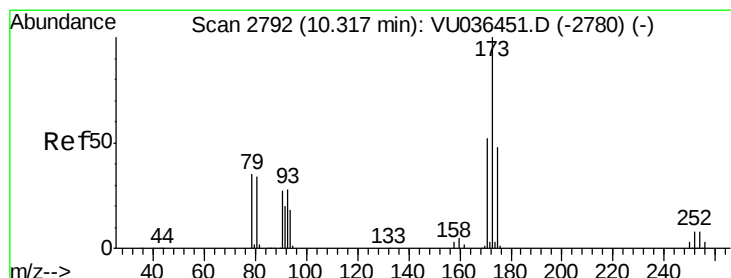
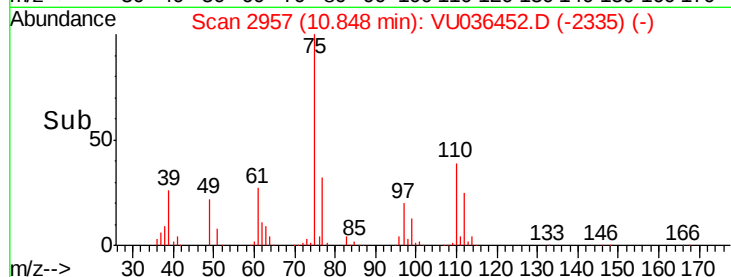
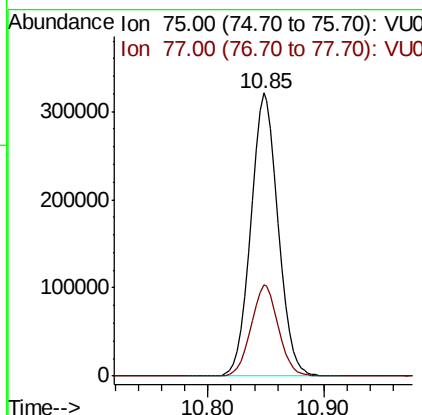
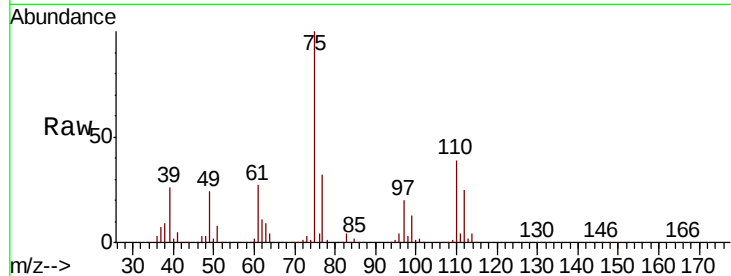




#59
 1,2,3-Trichloropropane
 Concen: 95.397 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

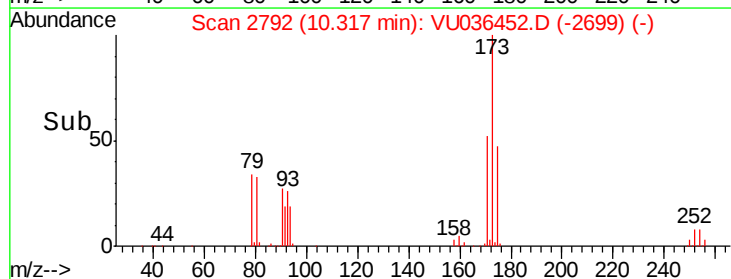
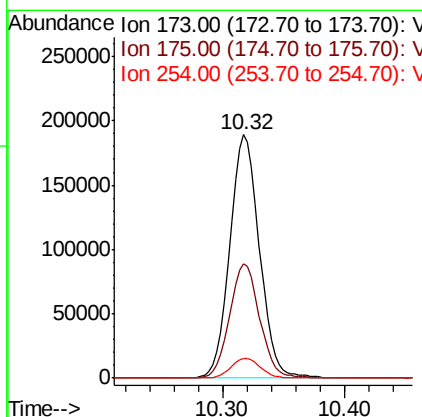
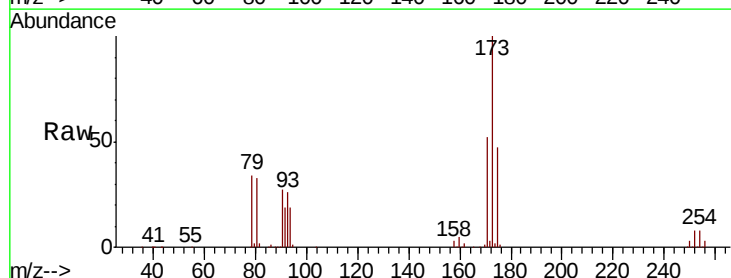
Instrument :
 MSVOA_U
 ClientSampleId :

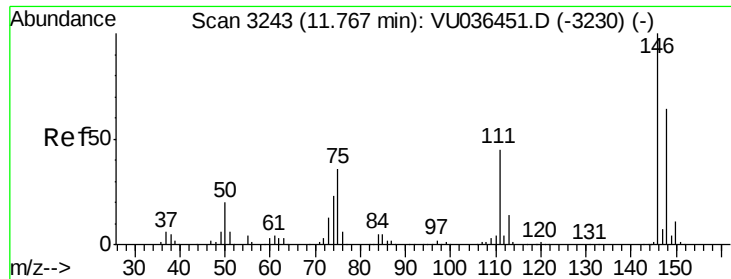
Tot Ion: 75 Resp: 527853
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4



#61
 Bromoform
 Concen: 92.067 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Tgt Ion: 173 Resp: 320023
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.6 59.4
 254 8.1 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 99.657 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

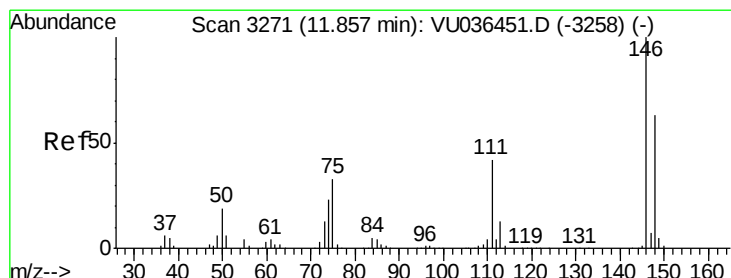
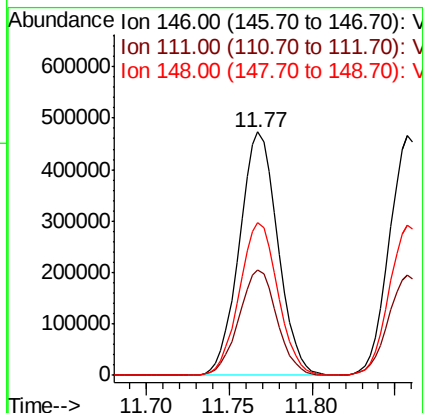
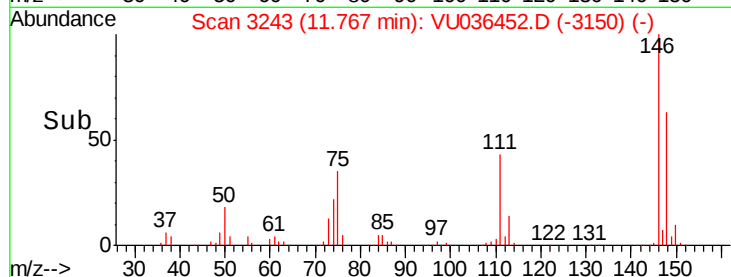
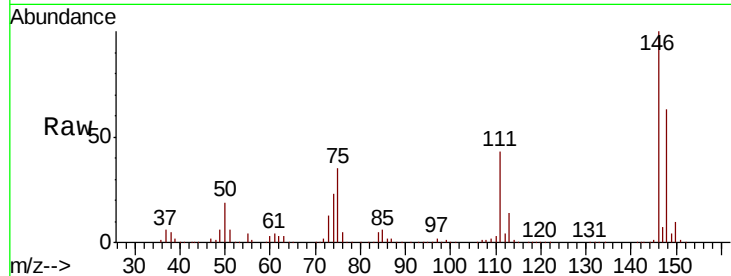
Tot Ion:146 Resp: 761358

Ion Ratio Lower Upper

146 100

111 43.4 31.3 58.1

148 62.6 44.7 82.9



#63

1,4-Dichlorobenzene

Concen: 98.799 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

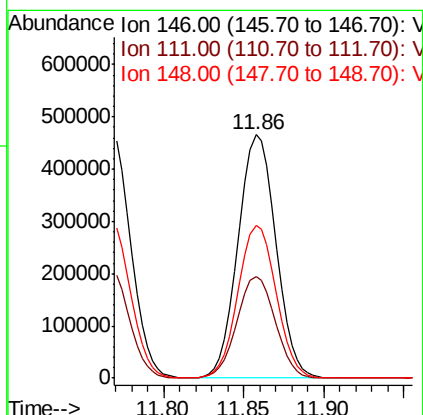
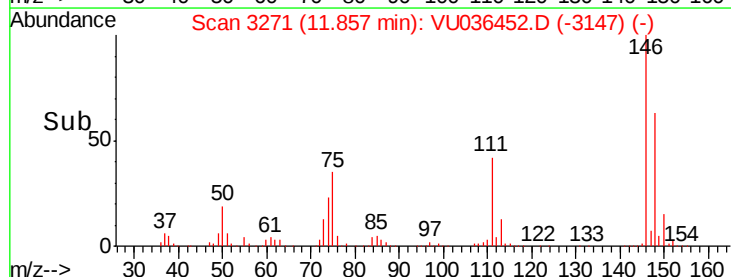
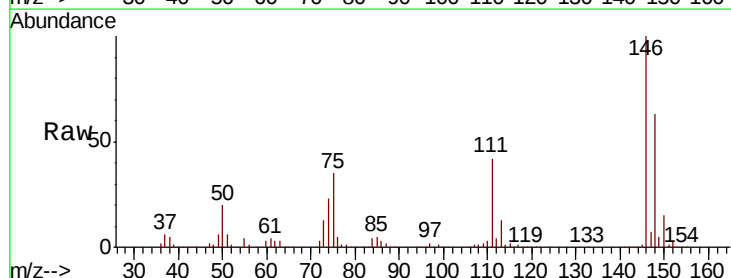
Tgt Ion:146 Resp: 751924

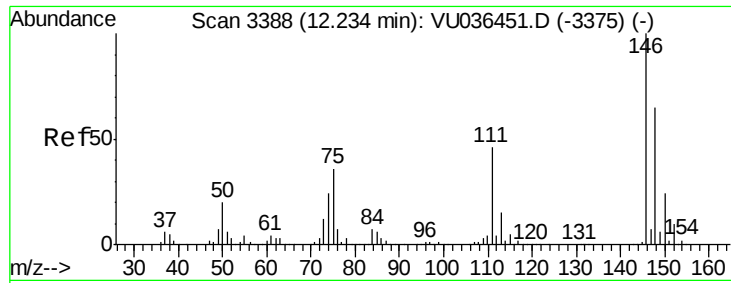
Ion Ratio Lower Upper

146 100

111 41.7 29.3 54.3

148 62.7 43.8 81.3





#65

1,2-Dichlorobenzene

Concen: 96.868 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampleId :

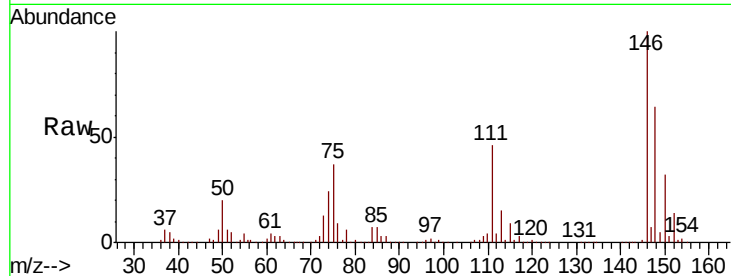
Tot Ion:146 Resp: 740850

Ion Ratio Lower Upper

146 100

111 45.7 37.0 55.4

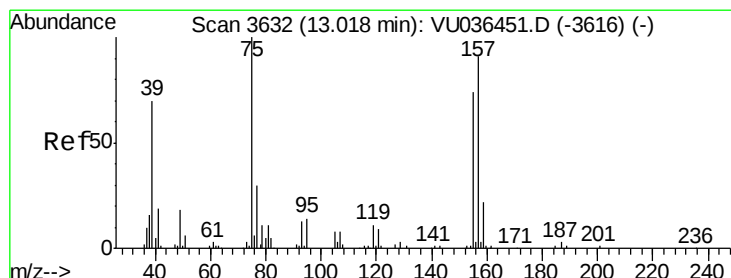
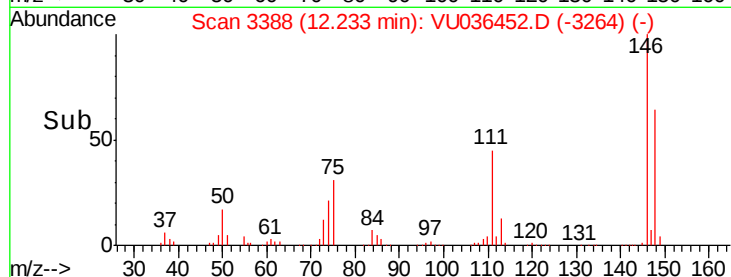
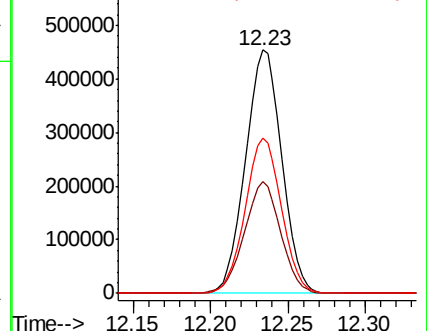
148 63.8 52.3 78.5



Abundance Ion 146.00 (145.70 to 146.70): 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: 94.435 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

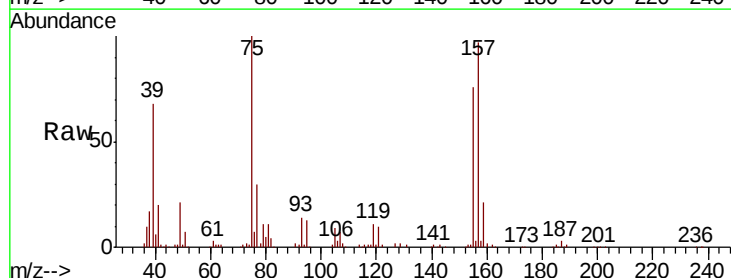
Tgt Ion: 75 Resp: 166950

Ion Ratio Lower Upper

75 100

155 75.7 59.1 88.7

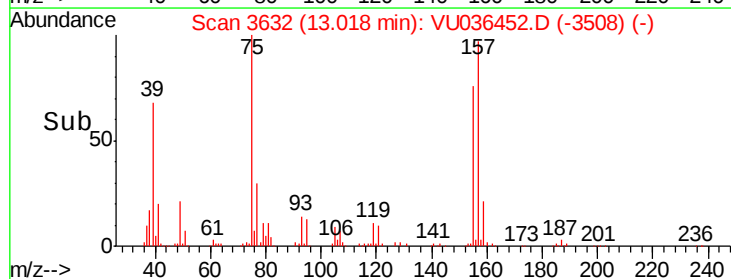
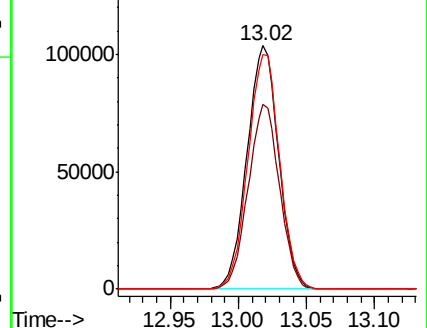
157 96.6 72.7 109.1

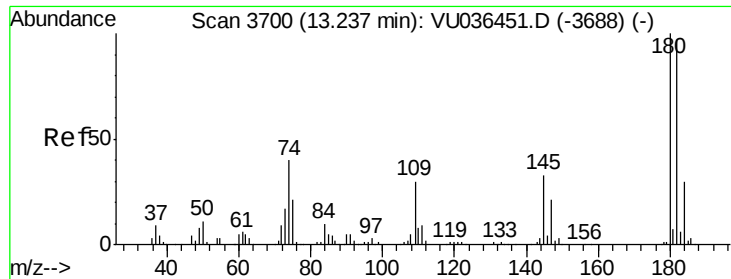


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

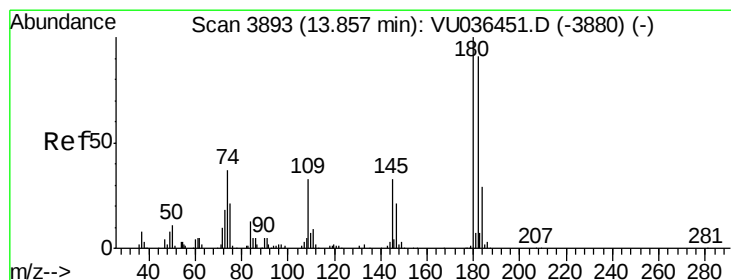
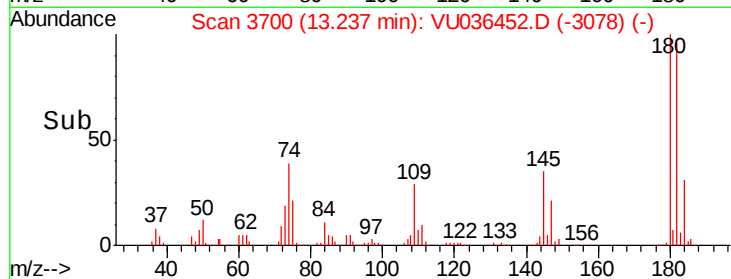
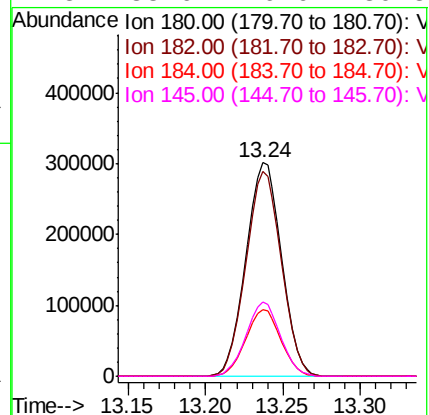
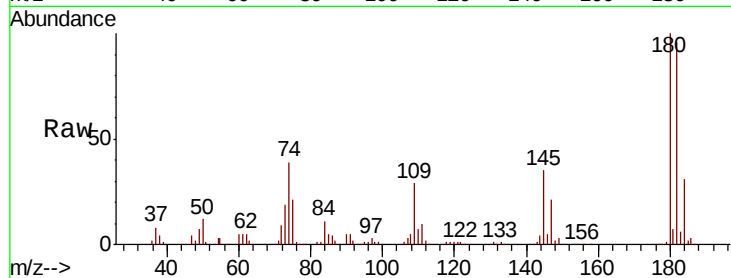




#67
 1,3,5-Trichlorobenzene
 Concen: 96.757 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

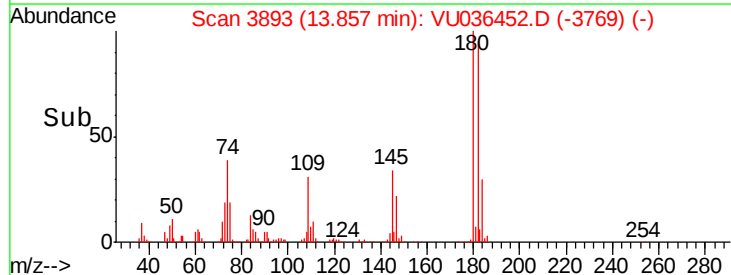
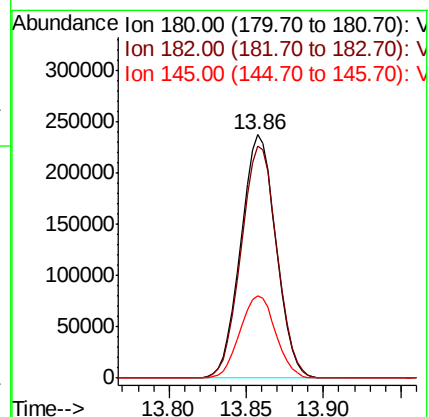
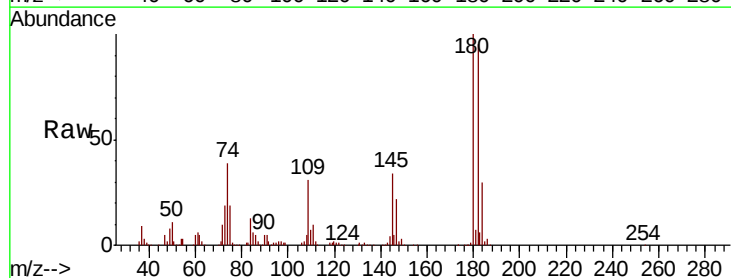
Instrument :
 MSVOA_U
 ClientSampleId :

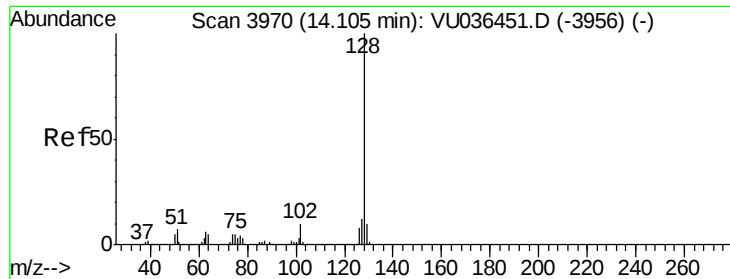
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.8	113.6
184	30.7	24.4	36.6
145	33.6	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 99.702 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036452.D
 Acq: 14 Jan 2020 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	74.1	111.1
145	34.5	26.6	40.0





#69

Naphthalene

Concen: 102.570 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

Instrument :

MSVOA_U

ClientSampled :

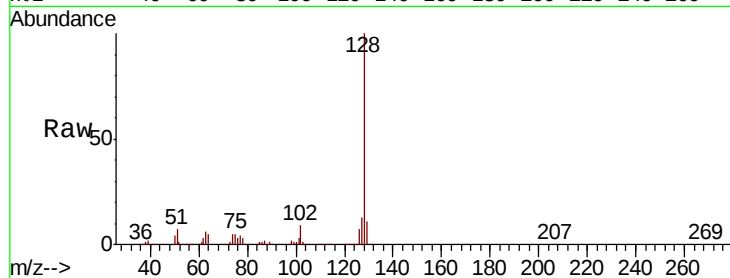
Tot Ion:128 Resp: 1307088

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

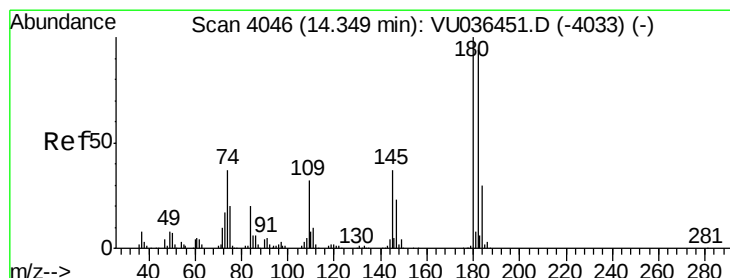
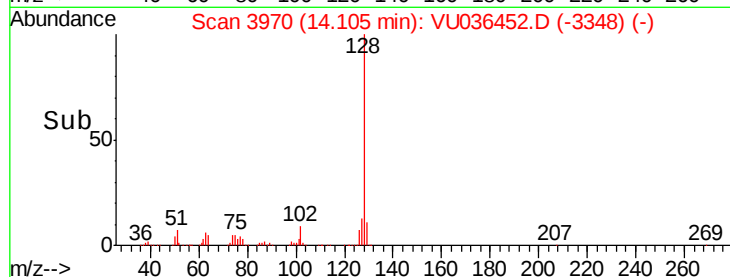
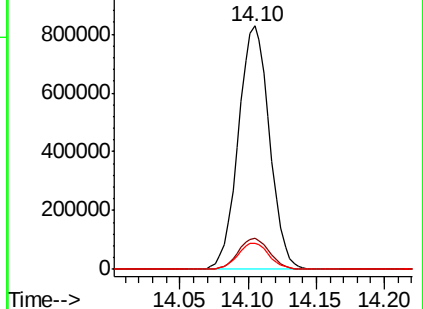
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 97.285 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036452.D

Acq: 14 Jan 2020 18:14

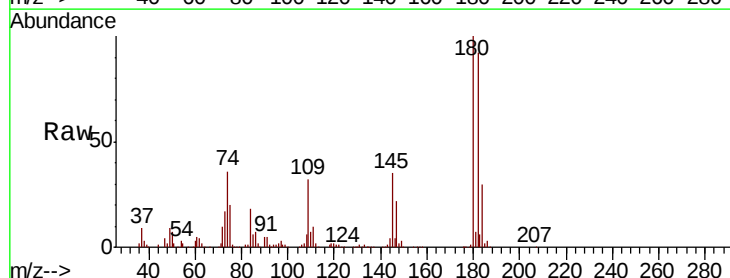
Tgt Ion:180 Resp: 380880

Ion Ratio Lower Upper

180 100

182 95.4 77.1 115.7

145 35.9 29.2 43.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

