

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036453.D
 Acq On : 14 Jan 2020 19:04
 Operator : JC/MD
 Sample : VSTD20001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:05:32 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	520790	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	502977	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	244840	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	629037	160.06	ug/L	0.00
7) Chloroethane-d5	1.91	69	551808	165.43	ug/L	-0.02
11) 1,1-Dichloroethene-d2	2.59	63	1216797	176.52	ug/L	0.00
21) 2-Butanone-d5	4.68	46	1144139	379.76	ug/L	0.00
24) Chloroform-d	5.11	84	1321263	187.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	857447	182.71	ug/L	0.00
32) Benzene-d6	5.77	84	2512381	180.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	832411	178.50	ug/L	0.00
41) Toluene-d8	7.93	98	2414062	180.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	465475	184.38	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	933949	385.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	1325371	187.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	919684	178.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	874603	201.330	ug/L 99
3) Chloromethane	1.53	50	841432	213.356	ug/L 99
5) Vinyl chloride	1.62	62	840893	188.881	ug/L 99
6) Bromomethane	1.85	94	534655	237.933	ug/L 97
8) Chloroethane	1.94	64	493199	185.939	ug/L 100
9) Trichlorofluoromethane	2.15	101	1111554	179.140	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	558456	179.398	ug/L 98
12) 1,1-Dichloroethene	2.60	96	583580	190.109	ug/L 92
13) Acetone	2.66	43	1147320	361.470	ug/L 99
14) Carbon disulfide	2.82	76	1906721	199.556	ug/L 100
15) Methyl Acetate	2.98	43	839665	196.214	ug/L 99
16) Methylene chloride	3.08	84	726497	193.736	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	649813	197.314	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	2248808	188.288	ug/L 99
19) 1,1-Dichloroethane	3.91	63	1244952	188.598	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	765845	192.009	ug/L 99
22) 2-Butanone	4.75	43	1423834	382.757	ug/L 99
23) Bromochloromethane	5.02	128	377079	198.222	ug/L 99
25) Chloroform	5.13	83	1320961	188.407	ug/L 100
27) 1,2-Dichloroethane	5.83	62	1039869	190.467	ug/L 99
29) Cyclohexane	5.43	56	1092335	184.223	ug/L 99
30) 1,1,1-Trichloroethane	5.36	97	1158229	186.242	ug/L 99
31) Carbon tetrachloride	5.56	117	998497	184.794	ug/L 97
33) Benzene	5.82	78	2792989	186.987	ug/L 100
34) Trichloroethene	6.58	95	764201	197.043	ug/L 98
35) Methylcyclohexane	6.80	83	1110475	180.485	ug/L 100
37) 1,2-Dichloropropane	6.83	63	741850	184.756	ug/L 100
38) Bromodichloromethane	7.14	83	1062323	187.761	ug/L 99
39) cis-1,3-Dichloropropene	7.64	75	1276784	188.771	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	2522362	372.267	ug/L 99

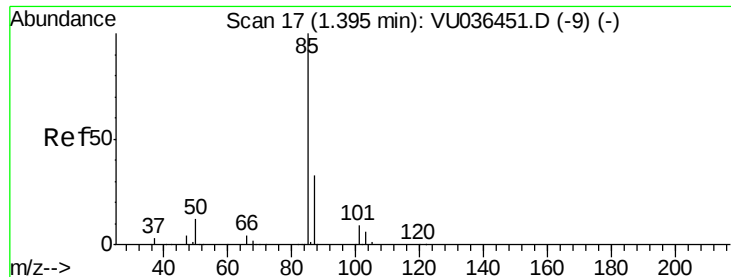
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036453.D
 Acq On : 14 Jan 2020 19:04
 Operator : JC/MD
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Quant Time: Jan 15 00:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 00:01:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	3051794	185.555	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	1173636	187.096	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	731278	194.862	ug/L	98
46) Tetrachloroethene	8.58	164	499937	180.710	ug/L	96
48) 2-Hexanone	8.72	43	2049841	393.646	ug/L	99
49) Dibromochloromethane	8.84	129	867829	190.110	ug/L	100
50) 1,2-Dibromoethane	8.95	107	841985	192.979	ug/L	99
51) Chlorobenzene	9.47	112	1983342	191.677	ug/L	100
52) Ethylbenzene	9.60	91	3469942	186.167	ug/L	98
53) m,p-Xylene	9.72	106	1303063	188.598	ug/L	99
54) o-xylene	10.13	106	1280353	184.342	ug/L	98
55) Styrene	10.14	104	2242902	191.919	ug/L	100
56) Isopropylbenzene	10.51	105	3340124	184.814	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	1321496	186.842	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	1066244	188.774	ug/L	99
61) Bromoform	10.32	173	660201	181.716	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	1481297	185.504	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	1498006	188.315	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	1451817	181.616	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	337700	182.756	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	936227	179.677	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	791392	201.178	ug/L	98
69) Naphthalene	14.10	128	2891643	217.096	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	785647	191.990	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 201.330 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

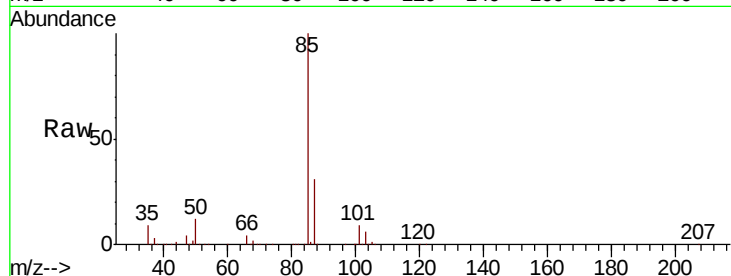
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 874603

Ion Ratio Lower Upper

85 100

87 31.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036453.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036453.D (-9) (-)

1.39

800000

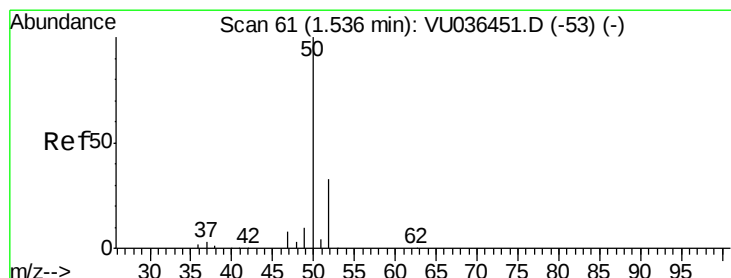
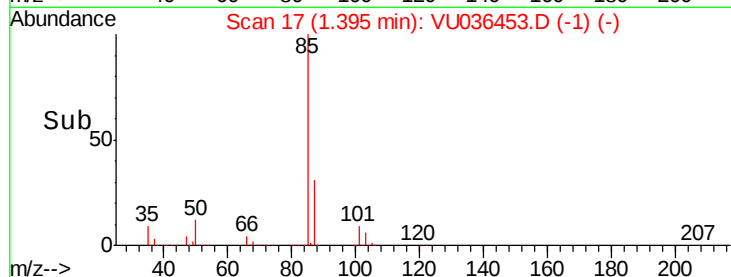
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 213.356 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036453.D

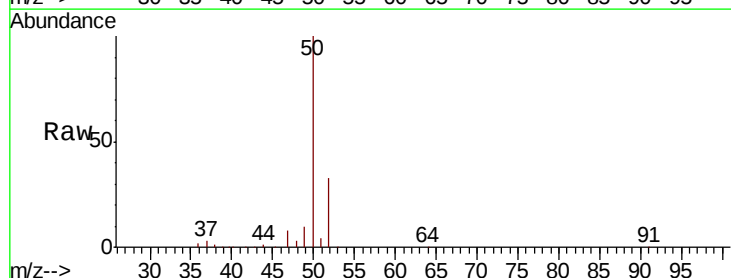
Acq: 14 Jan 2020 19:04

Tgt Ion: 50 Resp: 841432

Ion Ratio Lower Upper

50 100

52 33.1 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036453.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036453.D (-53) (-)

1.53

800000

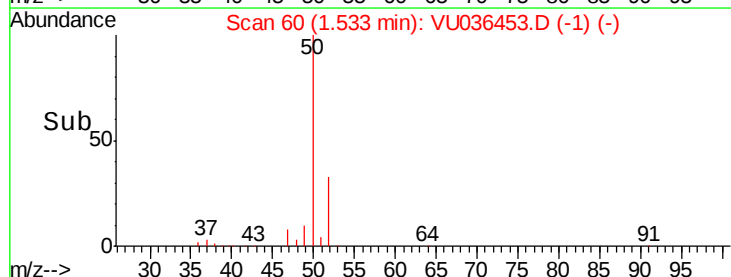
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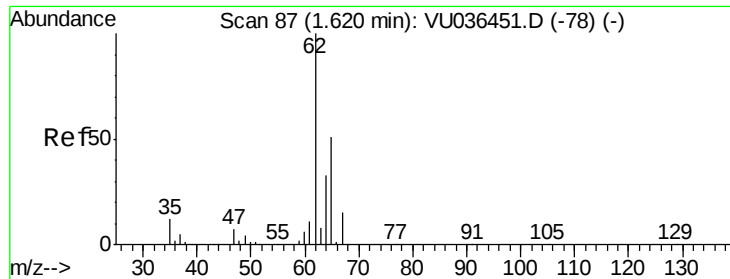
400000

200000

0

Time-->





#5

Vinyl chloride

Concen: 188.881 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

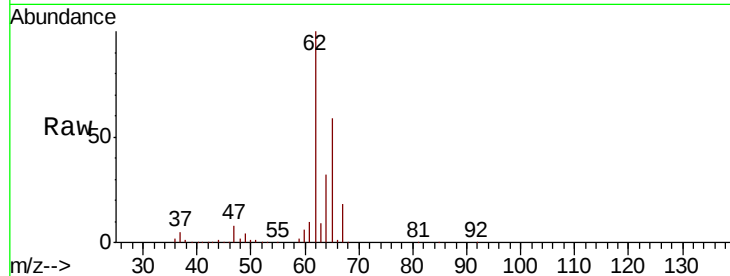
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 840893

Ion Ratio Lower Upper

62 100

64 32.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036453.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036453.D (-78) (-)

1.62

800000

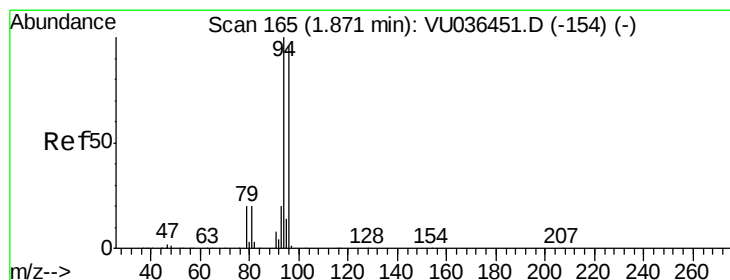
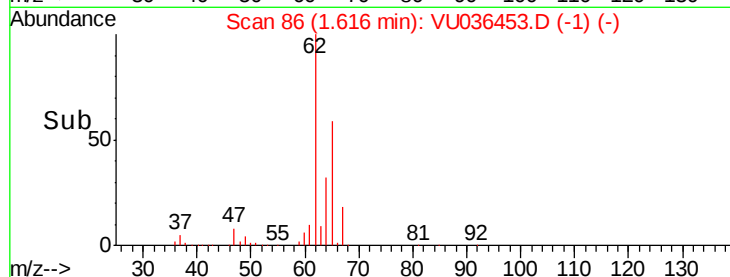
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 237.933 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU036453.D

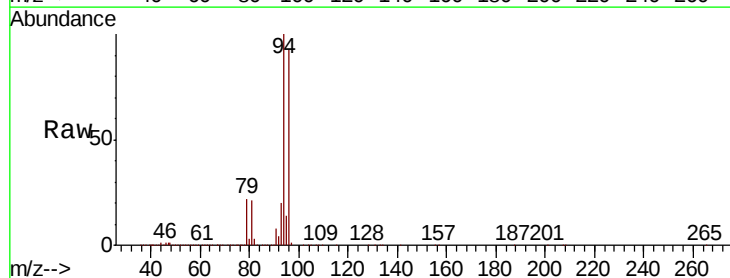
Acq: 14 Jan 2020 19:04

Tgt Ion: 94 Resp: 534655

Ion Ratio Lower Upper

94 100

96 93.2 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036453.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036453.D (-154) (-)

1.85

500000

400000

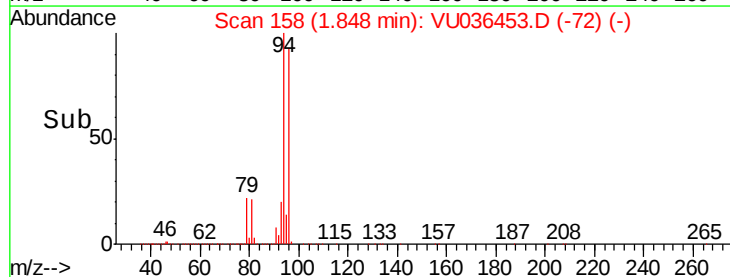
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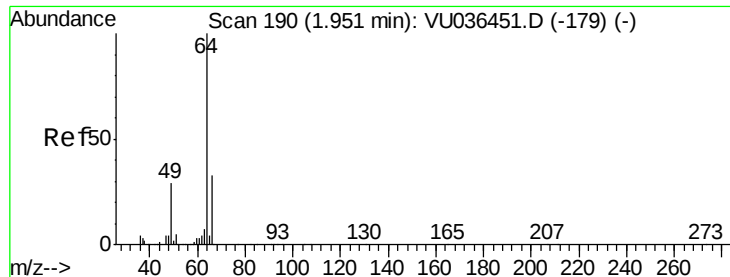
200000

100000

0

Time-->





#8

Chloroethane

Concen: 185.939 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

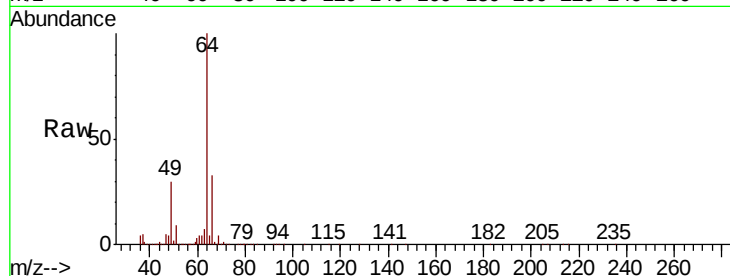
ClientSampleId :

Tot Ion: 64 Resp: 493199

Ion Ratio Lower Upper

64 100

66 32.8 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU036453.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036453.D (-179) (-)

1.94

400000

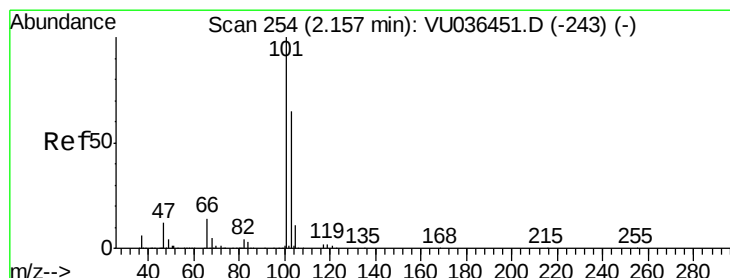
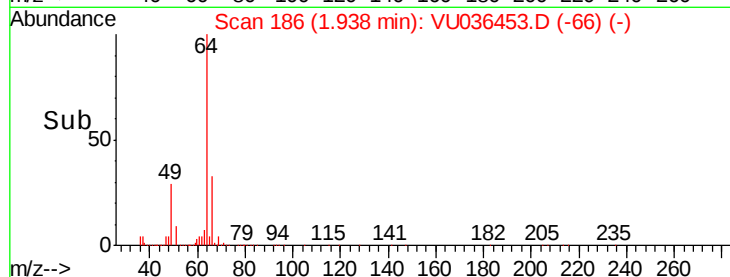
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 179.140 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.01 min

Lab File: VU036453.D

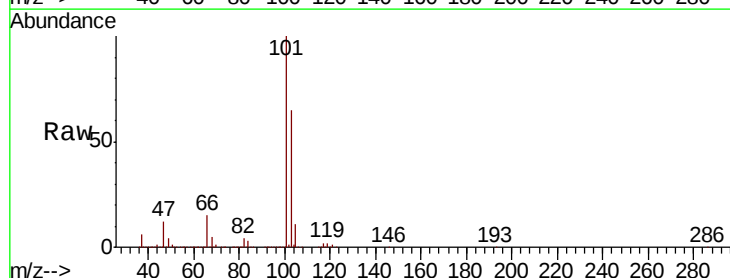
Acq: 14 Jan 2020 19:04

Tgt Ion:101 Resp: 1111554

Ion Ratio Lower Upper

101 100

103 64.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VU036453.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036453.D (-243) (-)

2.15

800000

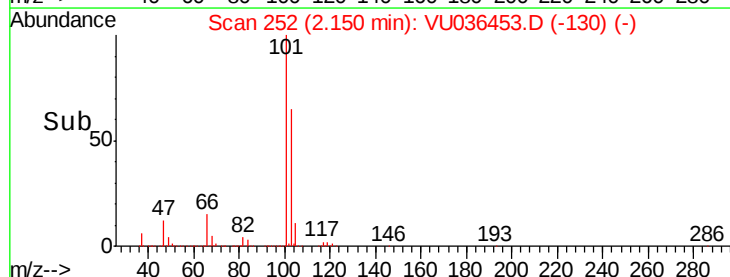
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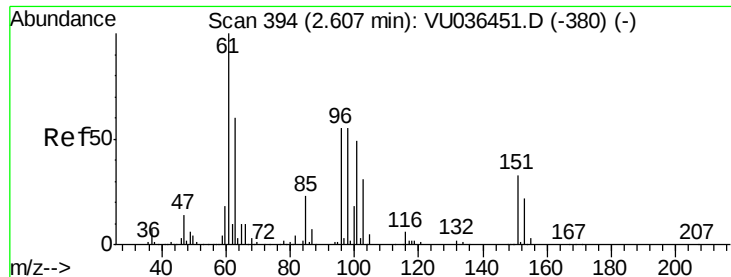
400000

200000

0

Time-->





#10

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

Concen: 179.398 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

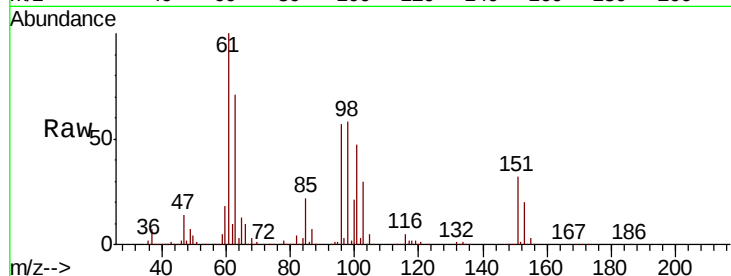
Tot Ion:101 Resp: 558456

Ion Ratio Lower Upper

101 100

85 46.6 36.7 55.1

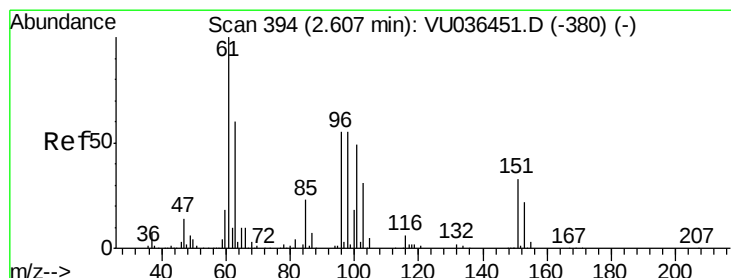
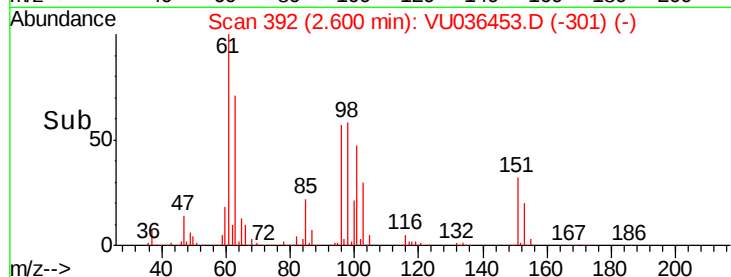
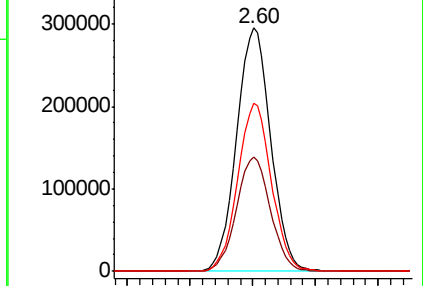
151 68.3 53.3 79.9



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: 190.109 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

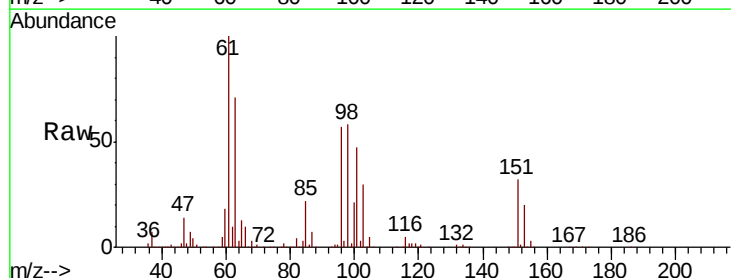
Tgt Ion: 96 Resp: 583580

Ion Ratio Lower Upper

96 100

61 176.5 128.2 238.2

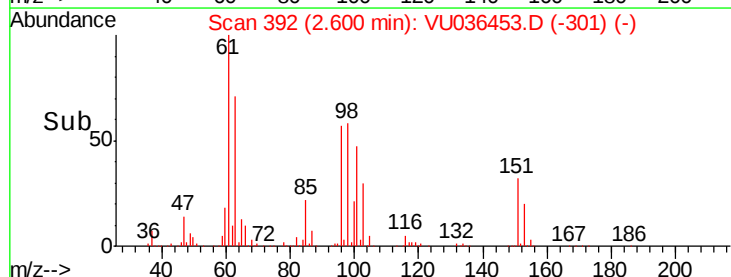
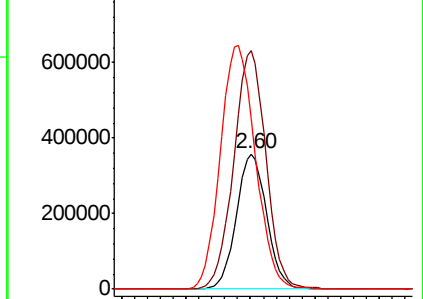
63 126.1 79.1 146.9

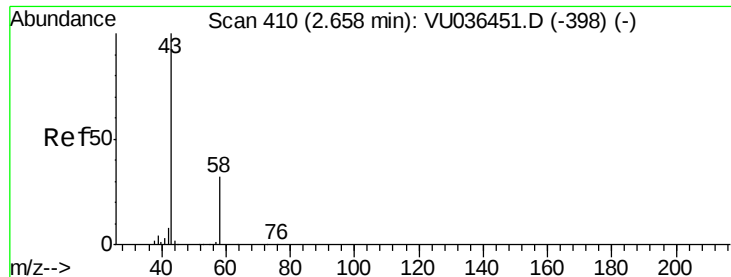


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 361.470 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

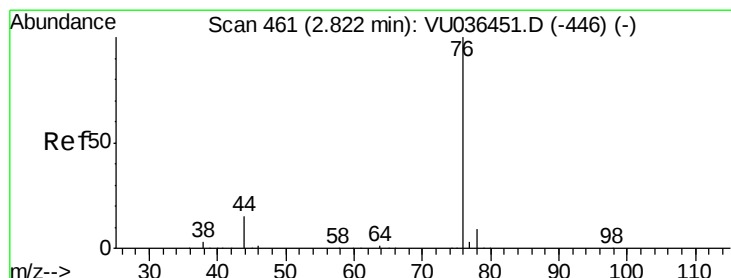
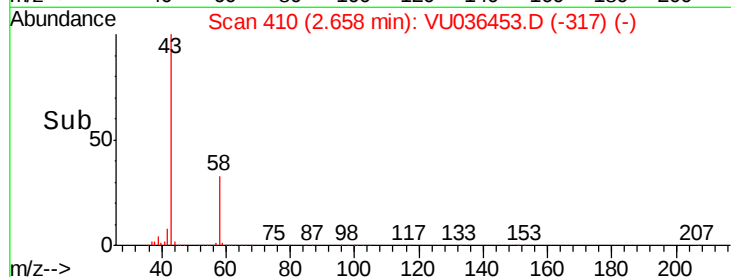
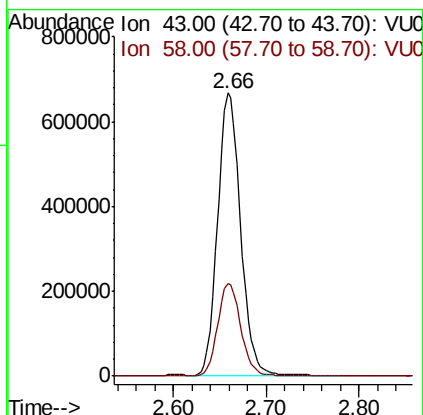
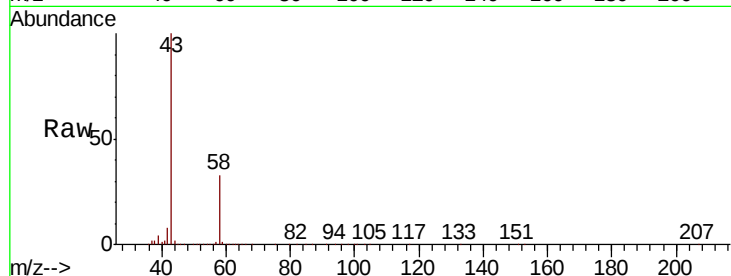
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1147320

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.0



#14

Carbon disulfide

Concen: 199.556 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.01 min

Lab File: VU036453.D

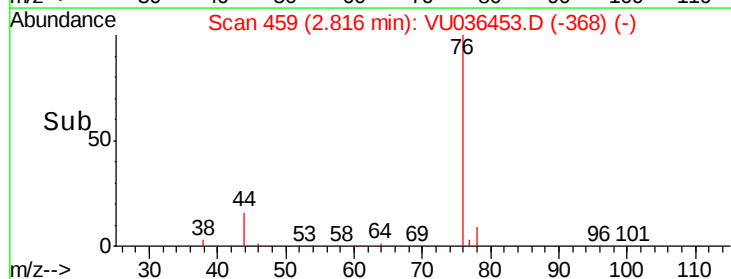
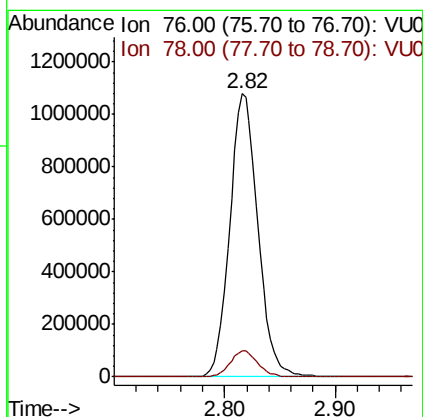
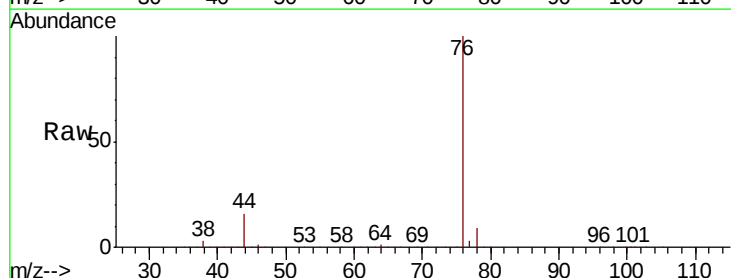
Acq: 14 Jan 2020 19:04

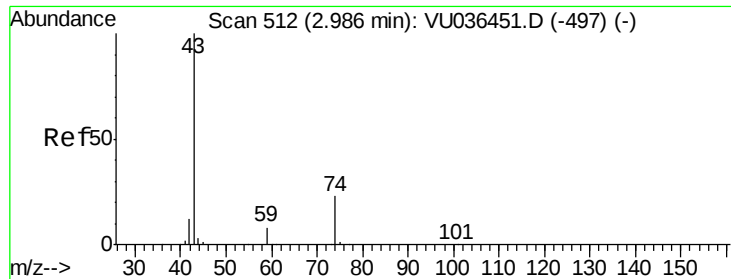
Tgt Ion: 76 Resp: 1906721

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

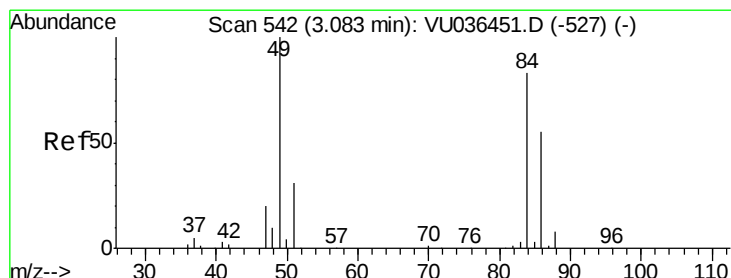
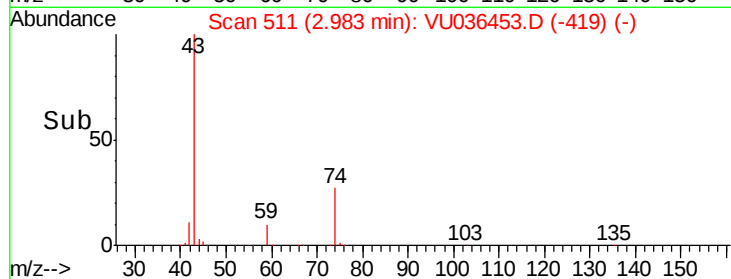
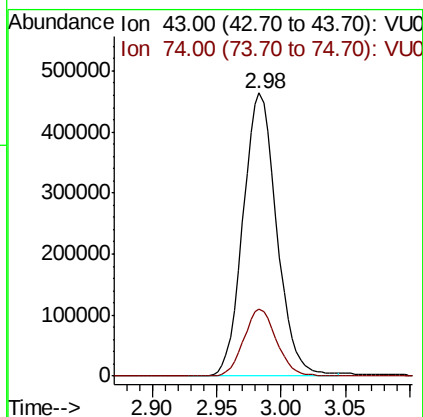
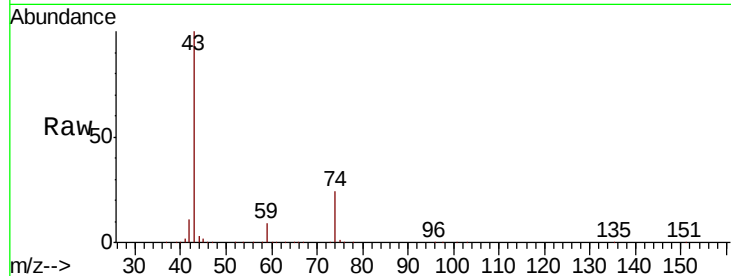




#15
Methvl Acetate
Concen: 196.214 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

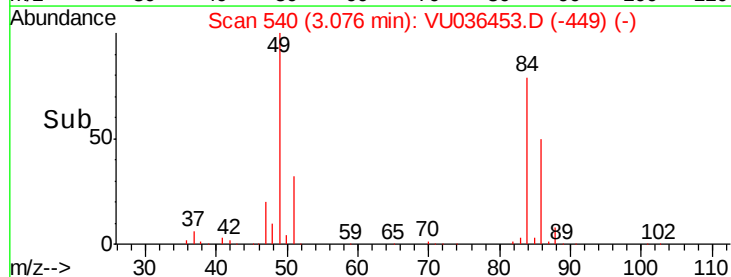
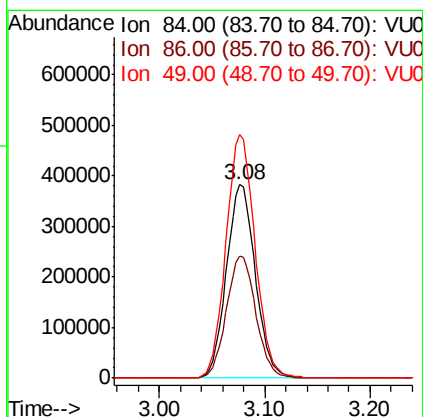
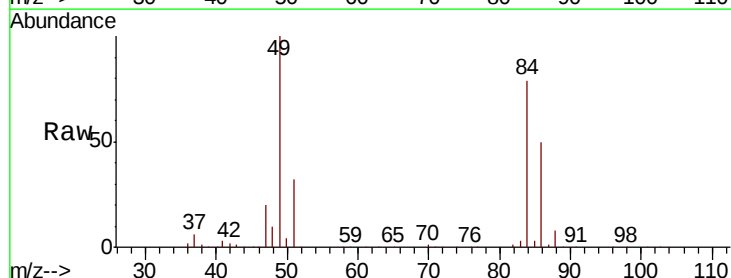
Instrument :
MSVOA_U
ClientSampled :

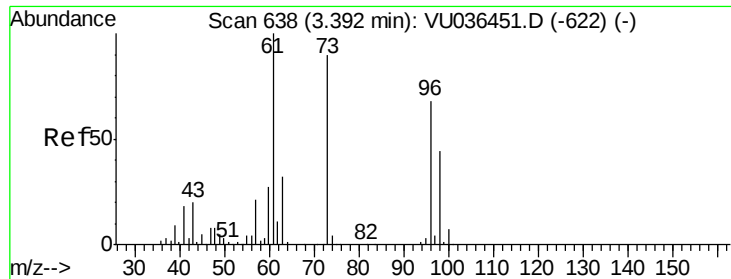
Tot Ion: 43 Resp: 839665
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.4



#16
Methylene chloride
Concen: 193.736 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.01 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion: 84 Resp: 726497
Ion Ratio Lower Upper
84 100
86 63.2 46.4 86.2
49 125.8 84.5 156.9

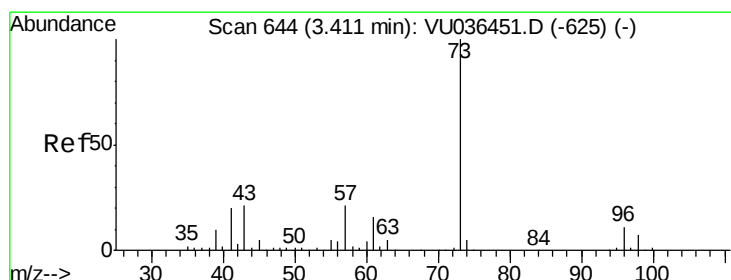
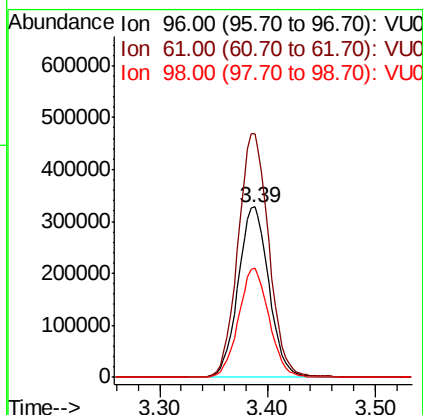
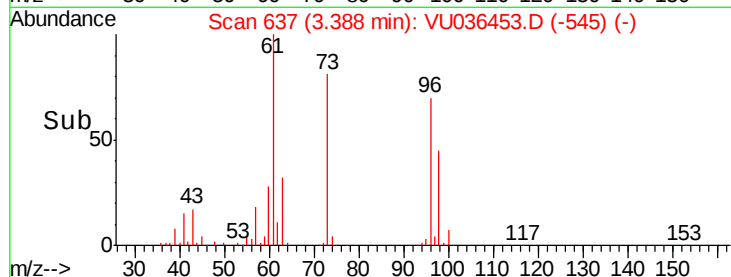
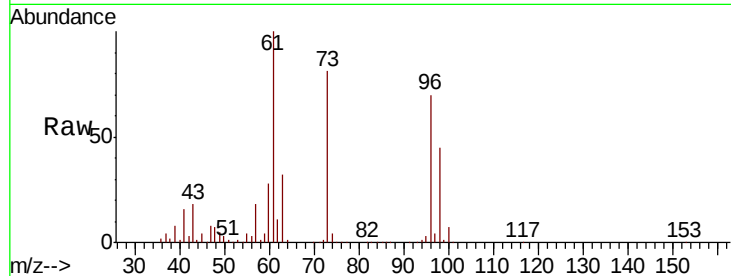




#17
trans-1,2-Dichloroethene
Concen: 197.314 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

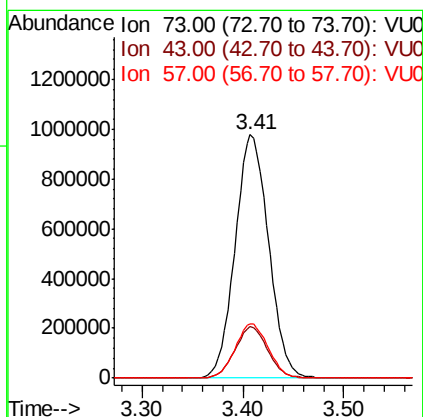
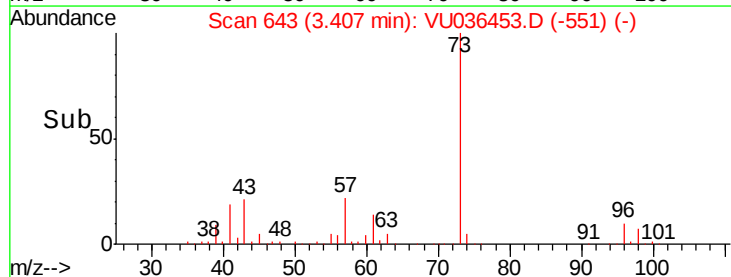
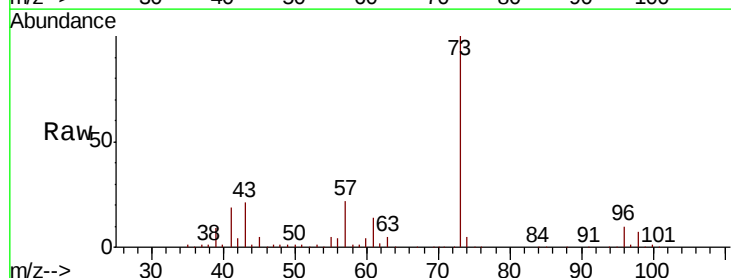
Instrument :
MSVOA_U
ClientSampleId :

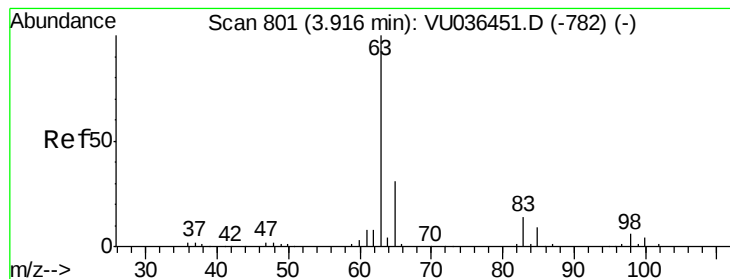
Tot Ion: 96 Resp: 649813
Ion Ratio Lower Upper
96 100
61 142.8 102.8 191.0
98 63.8 44.9 83.5



#18
Methyl tert-butyl Ether
Concen: 188.288 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion: 73 Resp: 2248808
Ion Ratio Lower Upper
73 100
43 20.6 16.6 25.0
57 22.1 17.0 25.6





#19

1,1-Dichloroethane

Concen: 188.598 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

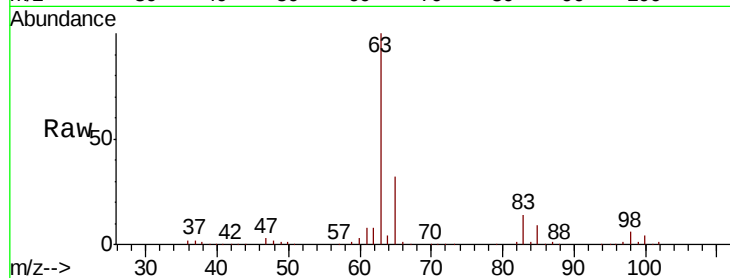
Tot Ion: 63 Resp: 1244952

Ion Ratio Lower Upper

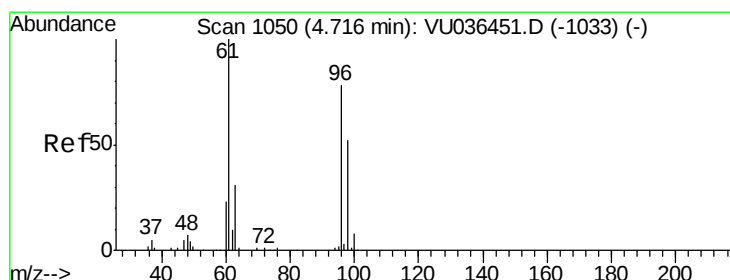
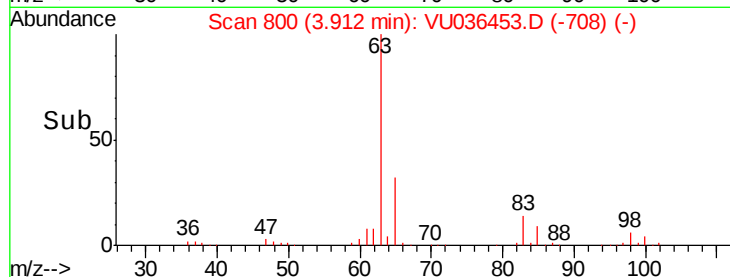
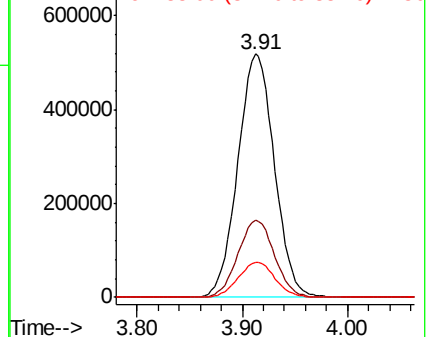
63 100

65 31.7 21.8 40.4

83 14.4 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: 192.009 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

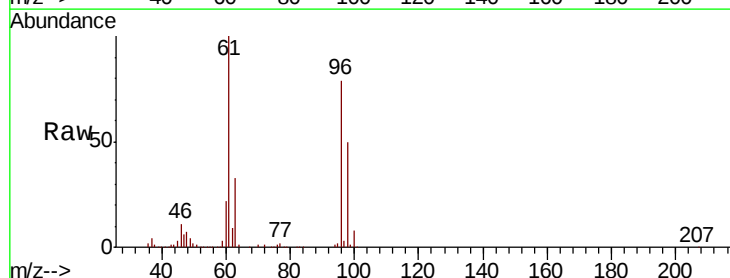
Tgt Ion: 96 Resp: 765845

Ion Ratio Lower Upper

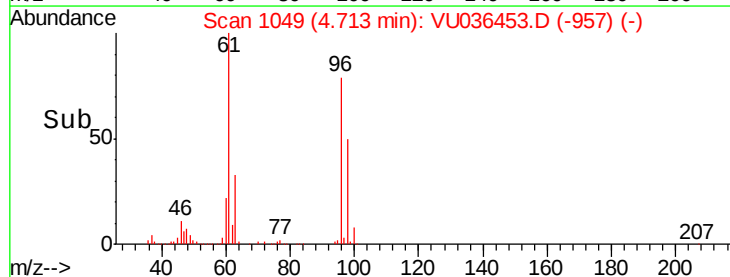
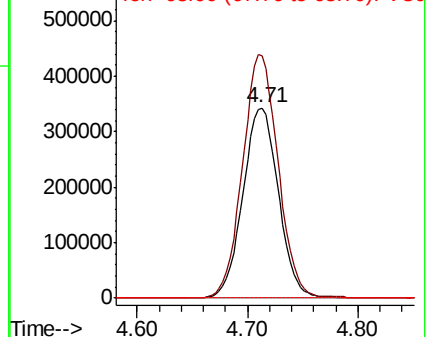
96 100

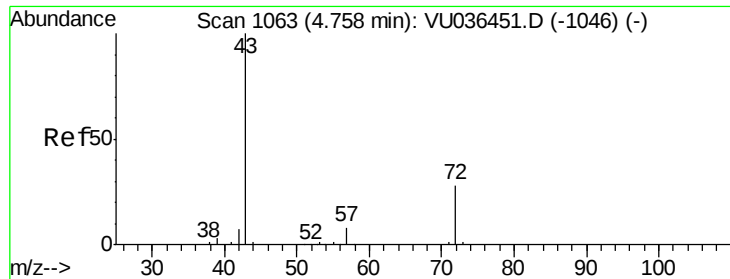
61 127.1 89.5 166.3

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: 382.757 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

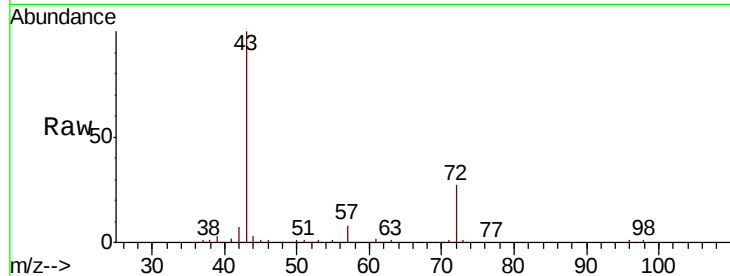
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1423834

Ion Ratio Lower Upper

43 100

72 28.0 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036453.D (-970) (-)

Ion 72.00 (71.70 to 72.70): VU036453.D (-970) (-)

4.75

600000

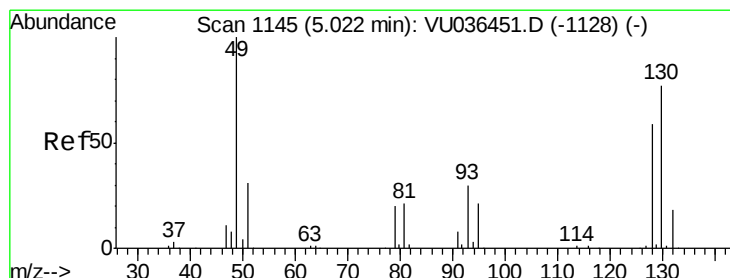
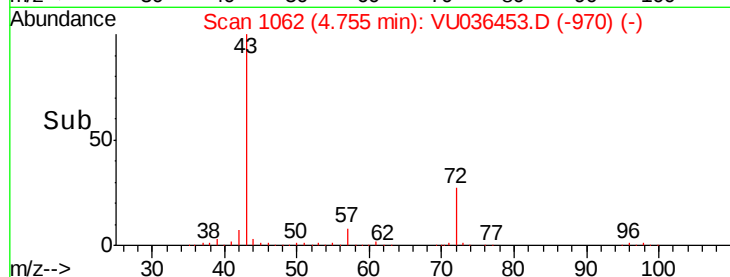
400000

200000

0

Time-->

4.70 4.80 4.90



#23

Bromochloromethane

Concen: 198.222 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Tgt Ion:128 Resp: 377079

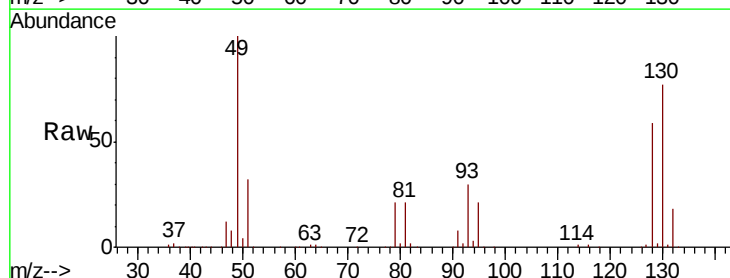
Ion Ratio Lower Upper

128 100

49 169.7 118.9 220.7

130 130.7 91.3 169.5

51 55.0 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): VU036453.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU036453.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU036453.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU036453.D (-1052) (-)

5.02

400000

300000

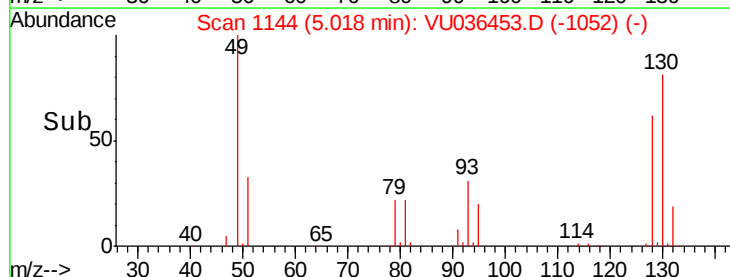
200000

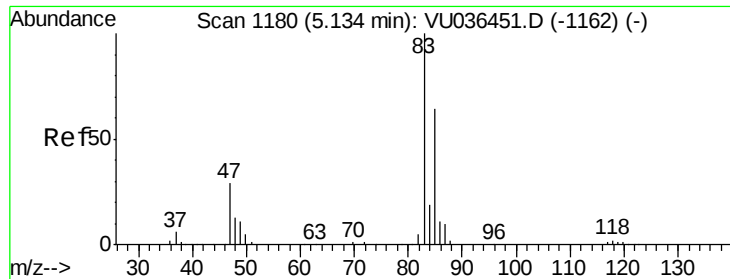
100000

0

Time-->

4.90 5.00 5.10

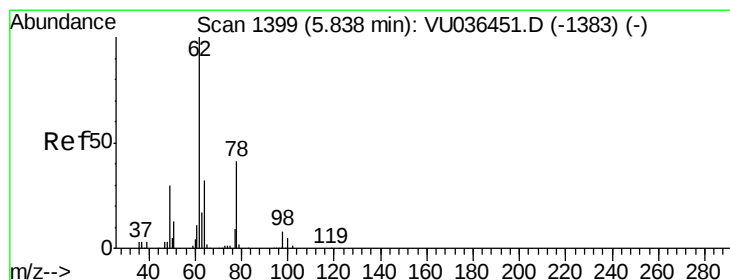
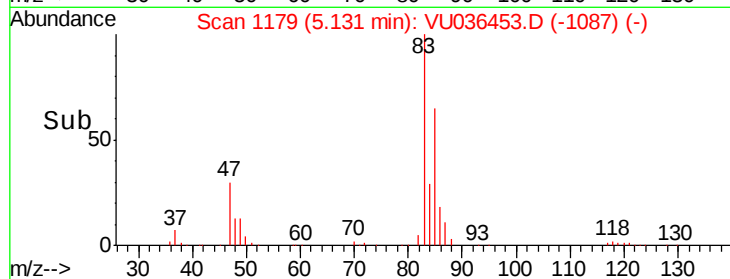
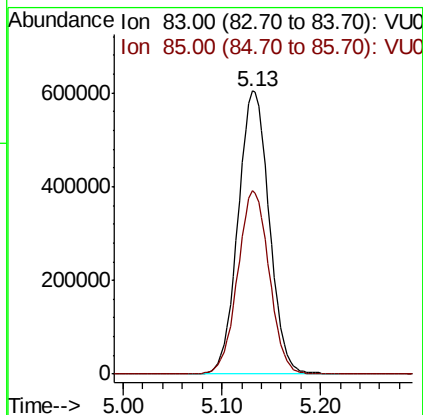
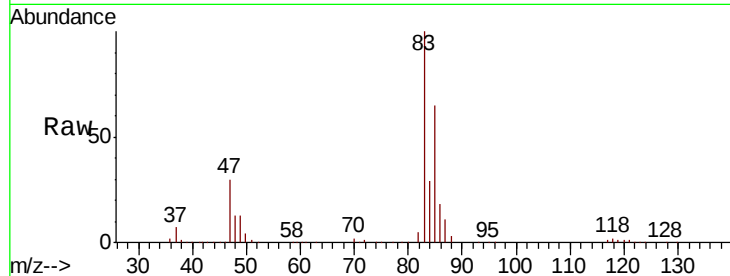




#25
Chloroform
Concen: 188.407 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

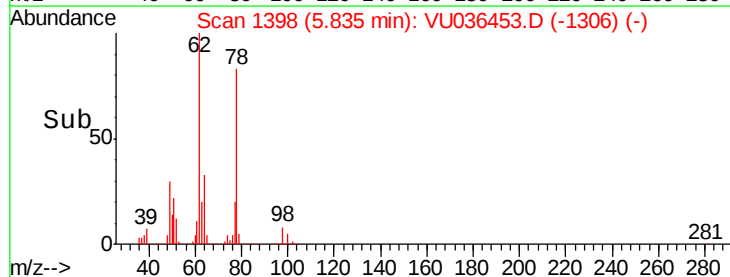
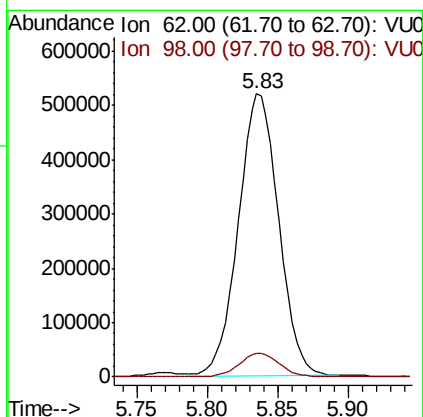
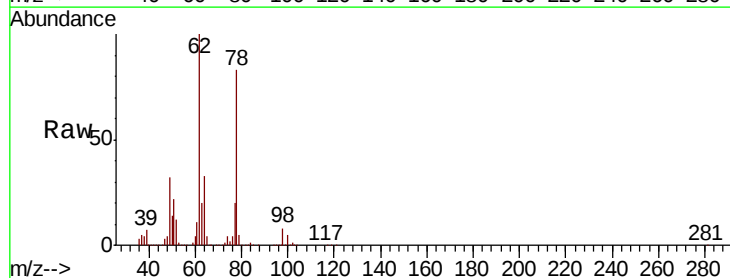
Instrument :
MSVOA_U
ClientSampleId :

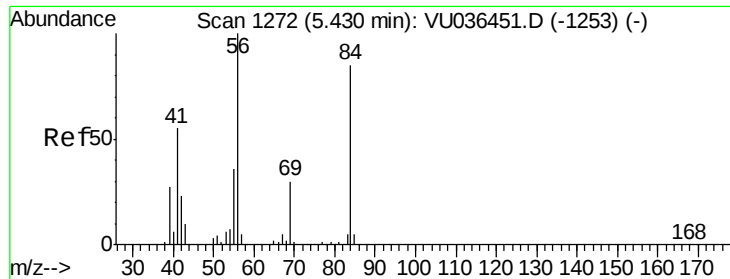
Tot Ion: 83 Resp: 1320961
Ion Ratio Lower Upper
83 100
85 64.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 190.467 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion: 62 Resp: 1039869
Ion Ratio Lower Upper
62 100
98 8.5 6.6 9.8

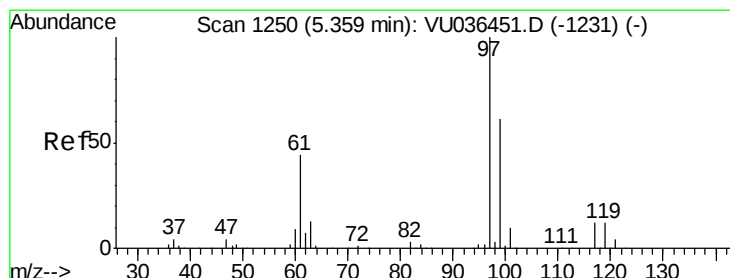
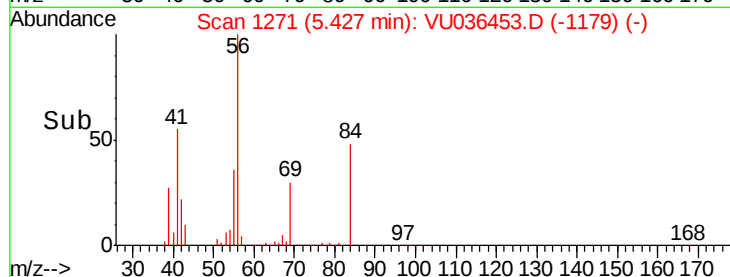
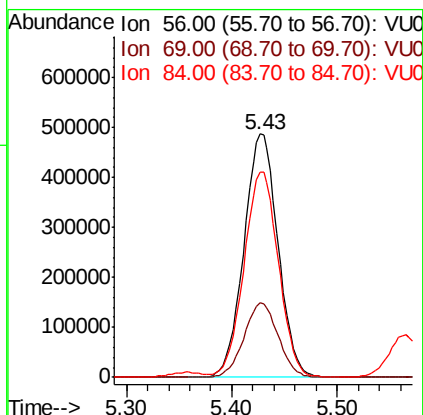
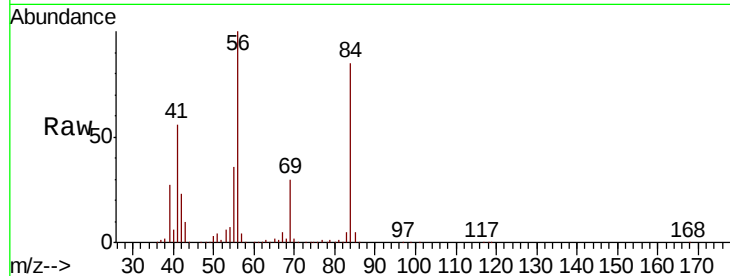




#29
Cyclohexane
Concen: 184.223 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

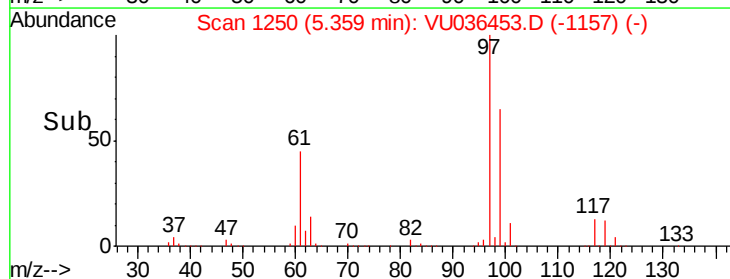
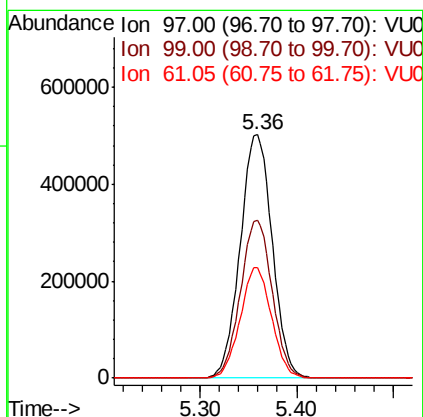
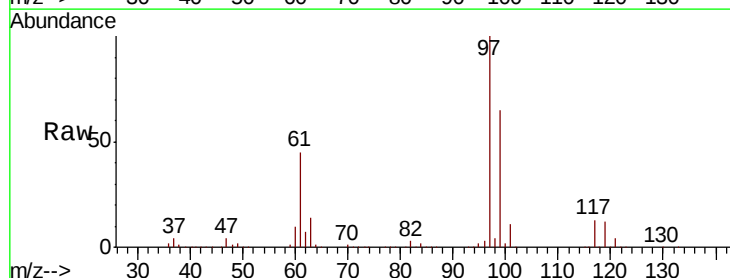
Instrument :
MSVOA_U
ClientSampleId :

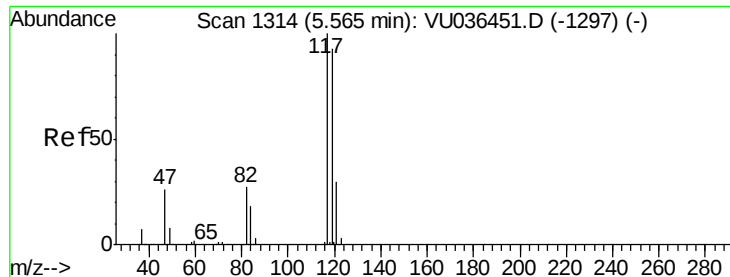
Tot Ion: 56 Resp: 1092335
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 85.4 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 186.242 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion: 97 Resp: 1158229
Ion Ratio Lower Upper
97 100
99 64.0 50.2 75.2
61 44.3 35.3 52.9



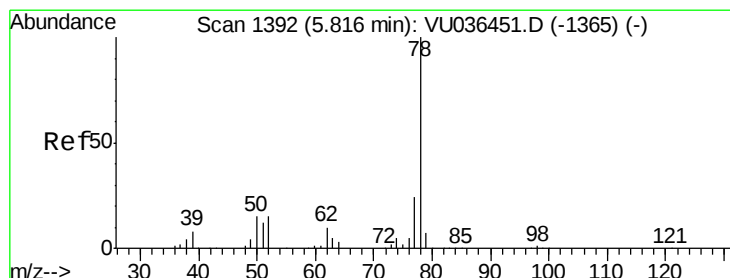
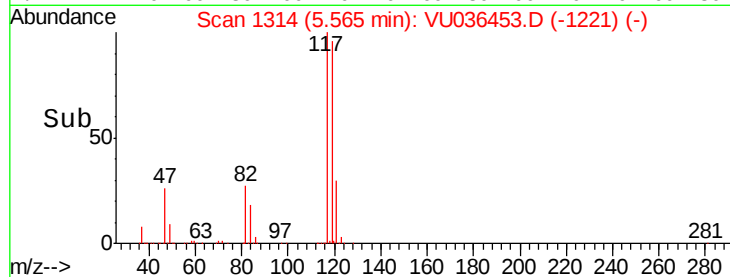
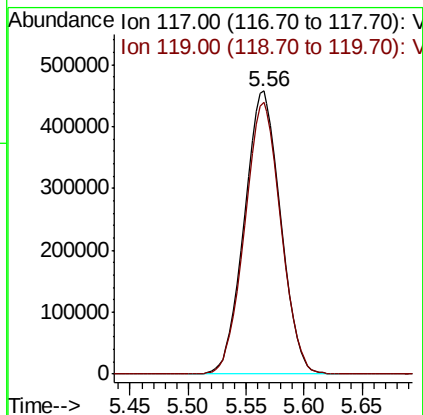
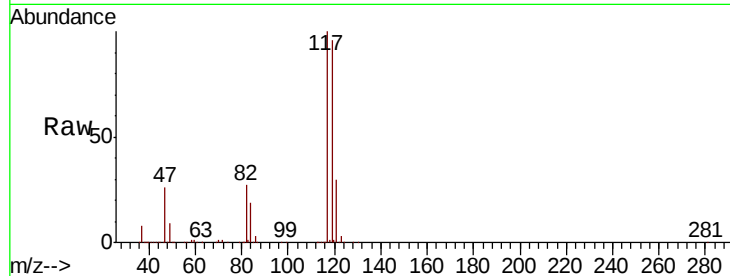


#31

Carbon tetrachloride
 Concen: 184.794 ug/L
 RT: 5.56 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Instrument :
 MSVOA_U
 ClientSampleId :

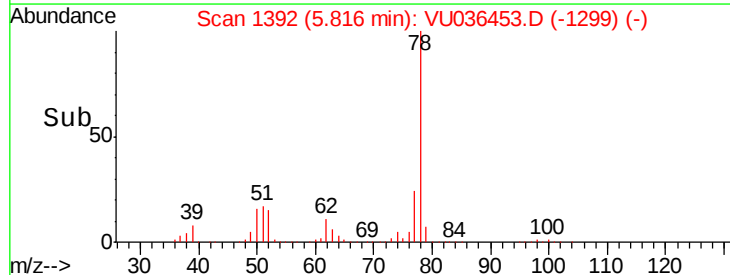
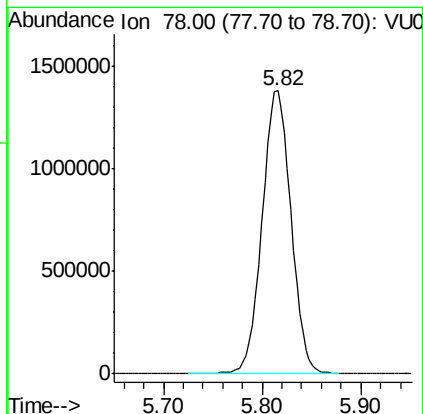
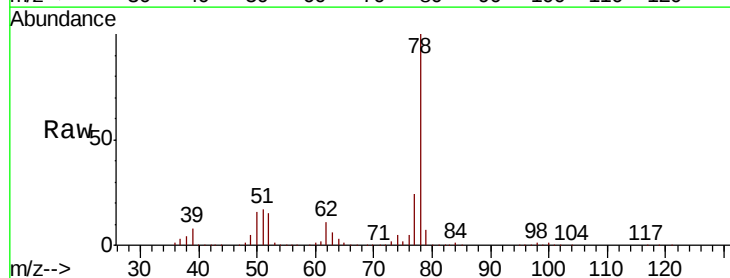
Tot Ion:117 Resp: 998497
 Ion Ratio Lower Upper
 117 100
 119 96.0 74.3 111.5

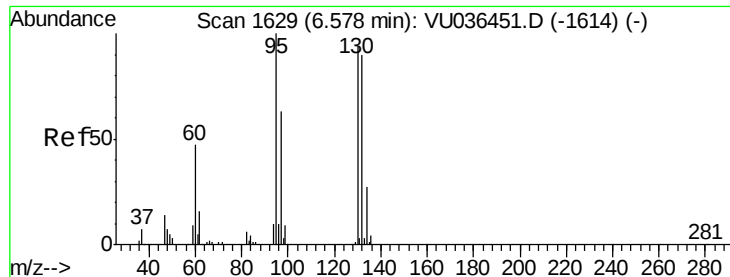


#33

Benzene
 Concen: 186.987 ug/L
 RT: 5.82 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion: 78 Resp: 2792989





#34

Trichloroethene

Concen: 197.043 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 764201

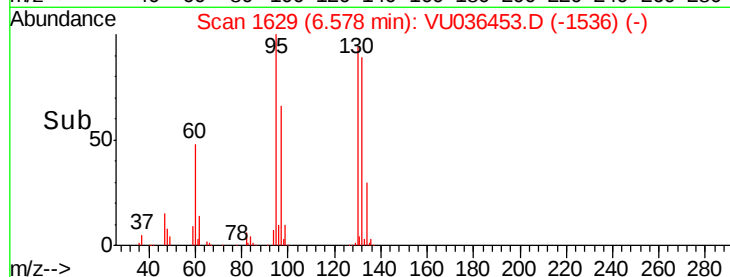
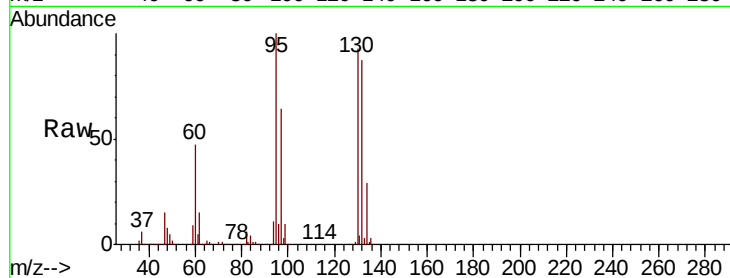
Ion Ratio Lower Upper

95 100

97 64.4 44.2 82.2

132 87.3 62.8 116.6

130 92.6 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

6.58

400000

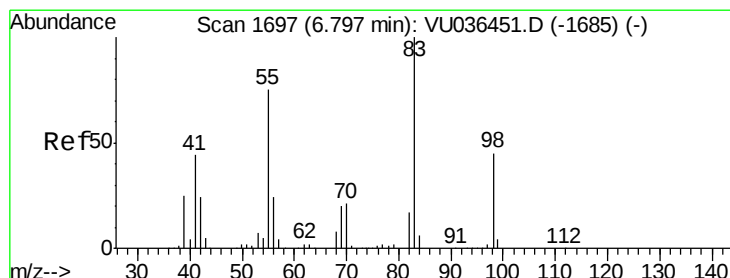
300000

200000

100000

0

Time-->



#35

Methylcyclohexane

Concen: 180.485 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

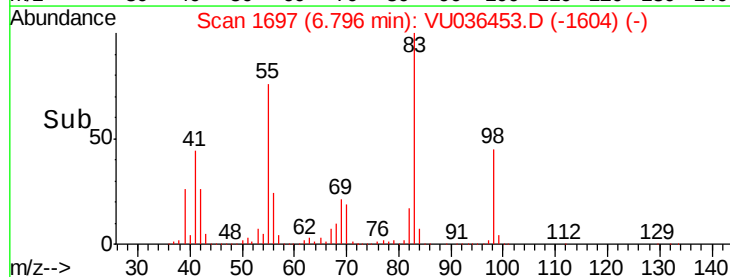
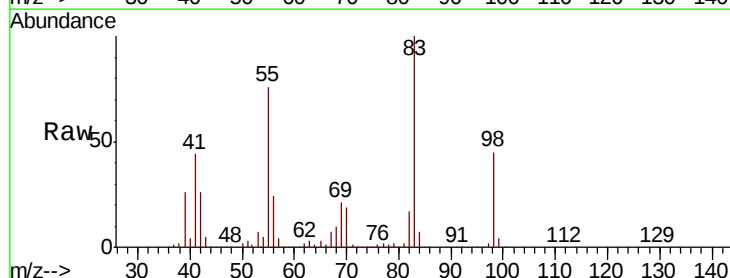
Tgt Ion: 83 Resp: 1110475

Ion Ratio Lower Upper

83 100

55 75.5 59.9 89.9

98 45.5 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

6.80

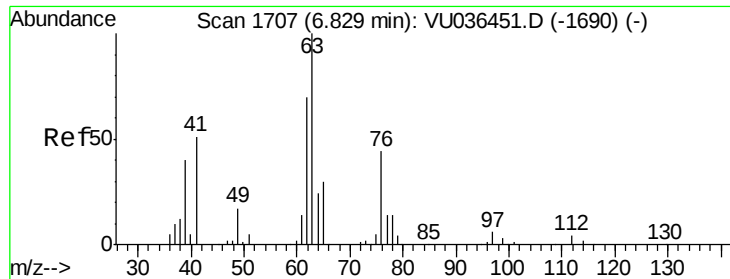
600000

400000

200000

0

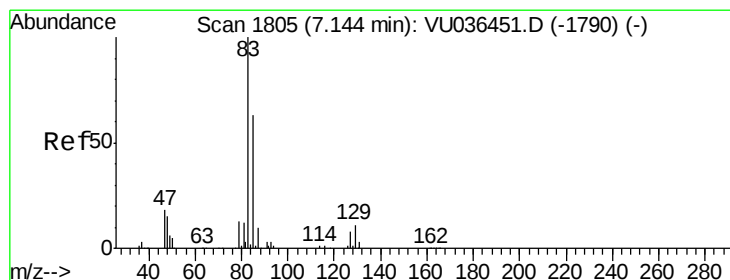
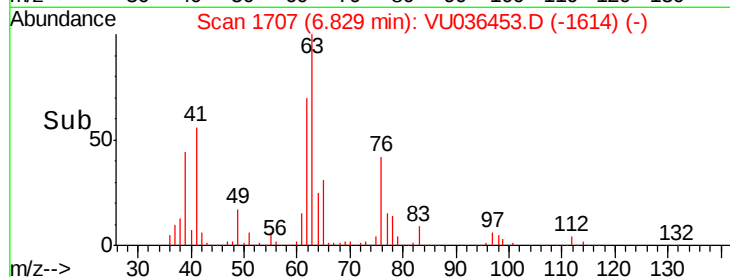
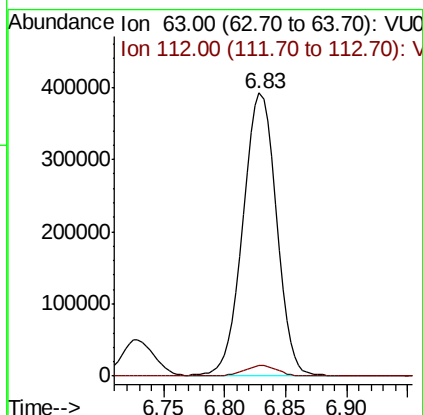
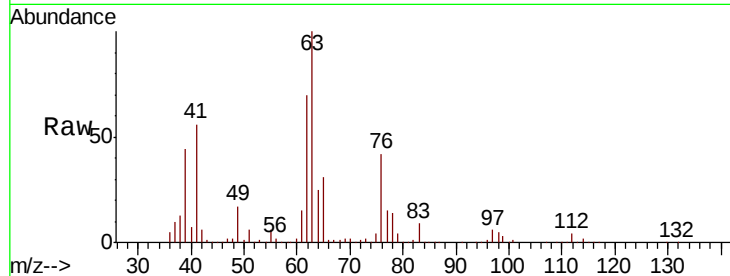
Time-->



#37
 1,2-Dichloropropane
 Concen: 184.756 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

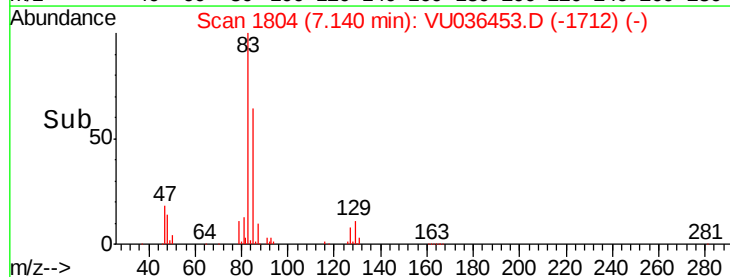
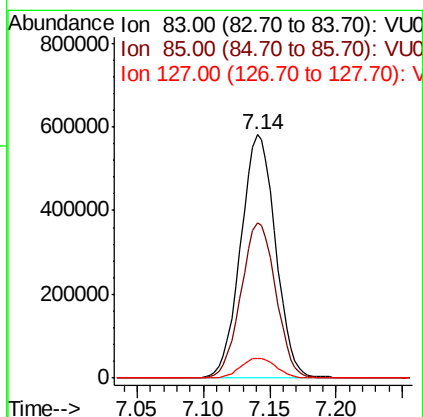
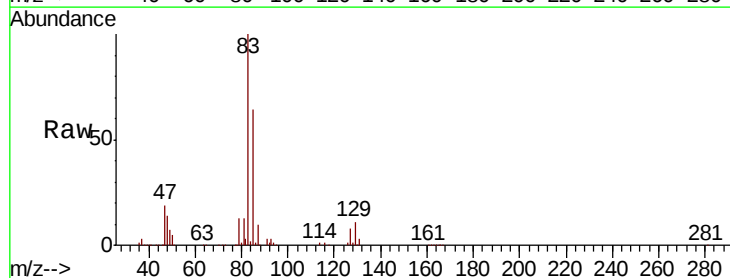
Instrument :
 MSVOA_U
 ClientSampleId :

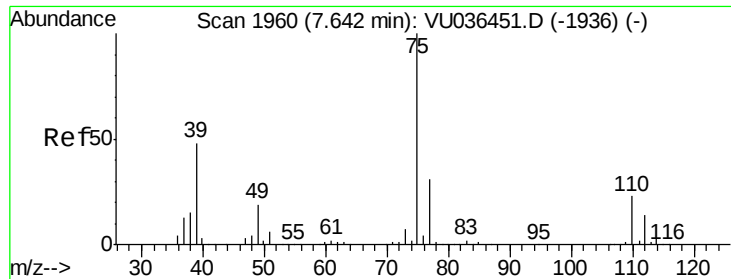
Tot Ion: 63 Resp: 741850
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 187.761 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion: 83 Resp: 1062323
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.0 81.8
 127 8.2 6.7 10.1

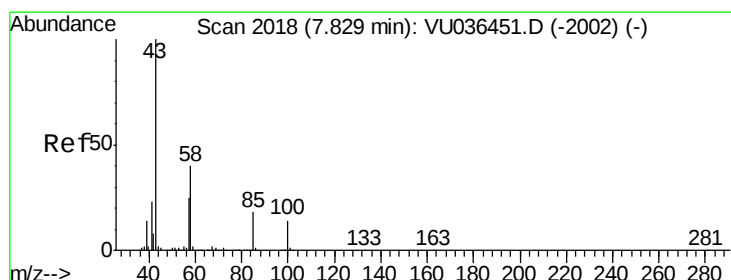
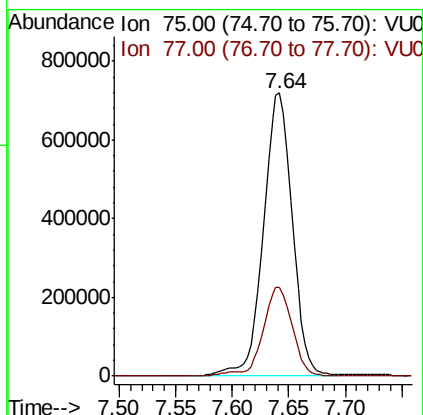
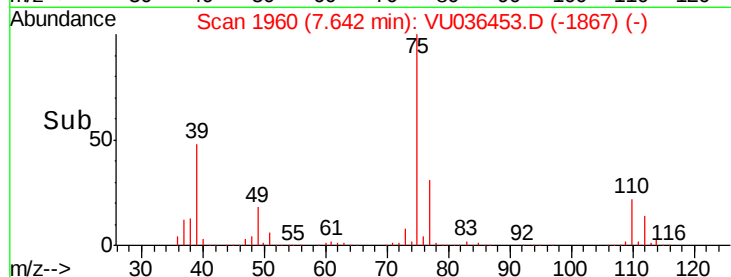
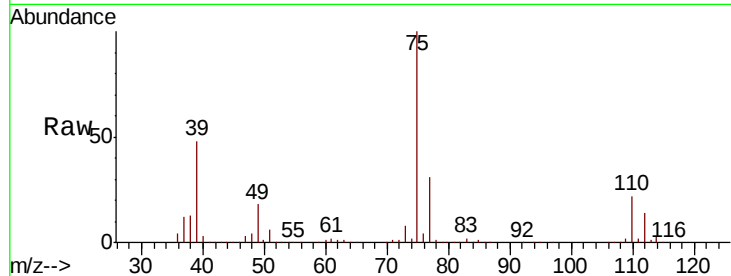




#39
 cis-1,3-Dichloropropene
 Concen: 188.771 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

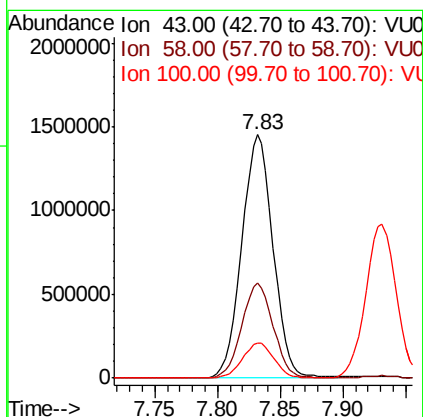
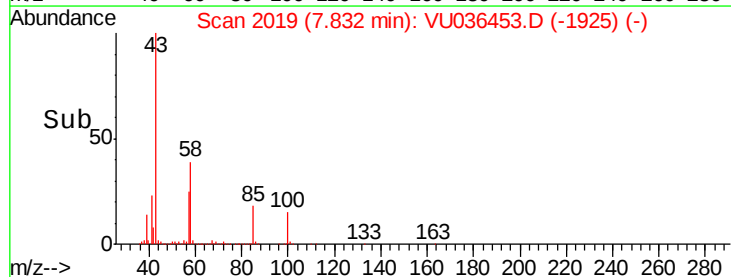
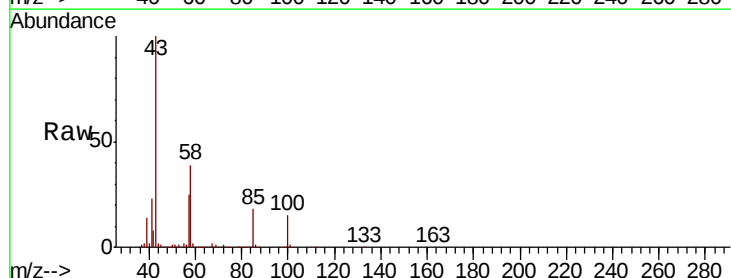
Instrument :
 MSVOA_U
 ClientSampled :

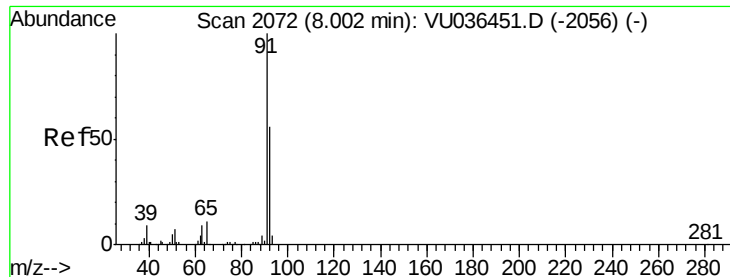
Tot Ion: 75 Resp: 1276784
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 372.267 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion: 43 Resp: 2522362
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.0 48.0
 100 14.6 11.4 17.0





#42

Toluene

Concen: 185.555 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

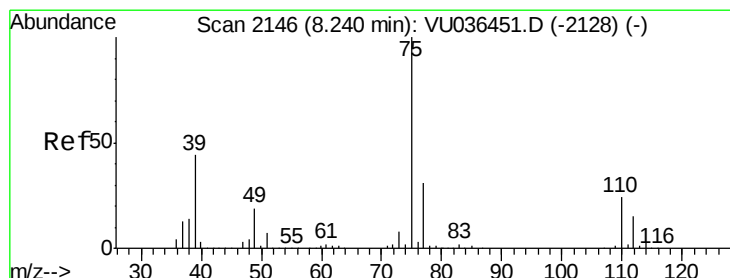
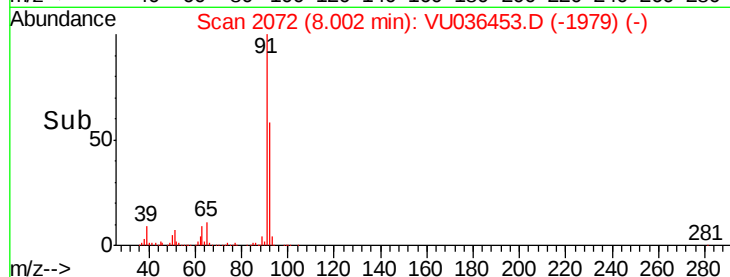
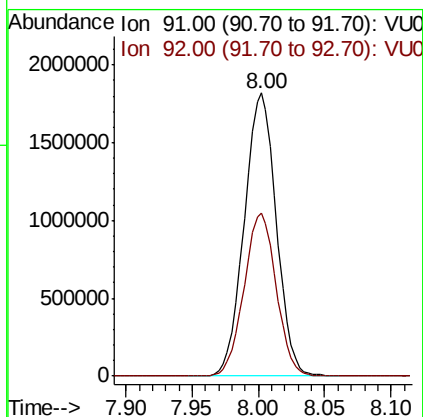
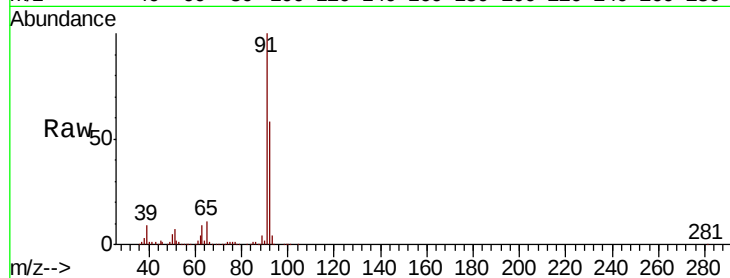
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 3051794

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 187.096 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036453.D

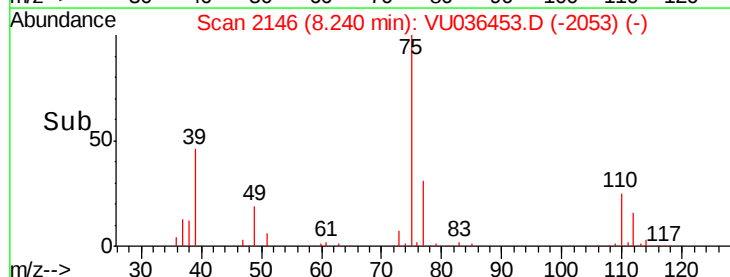
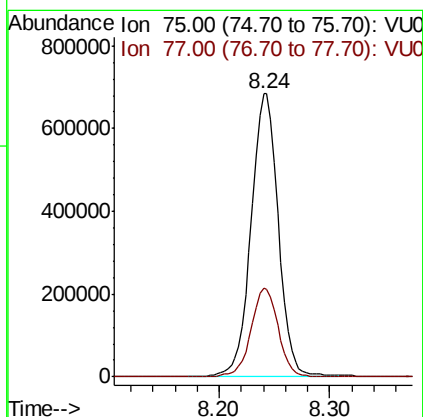
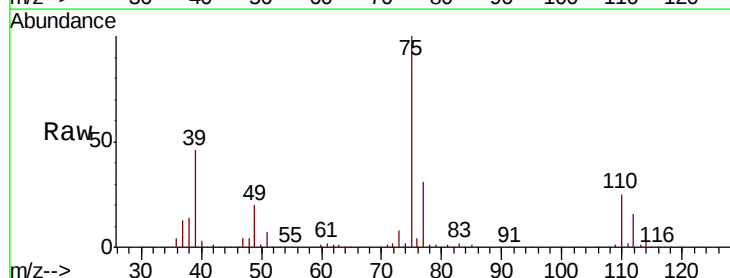
Acq: 14 Jan 2020 19:04

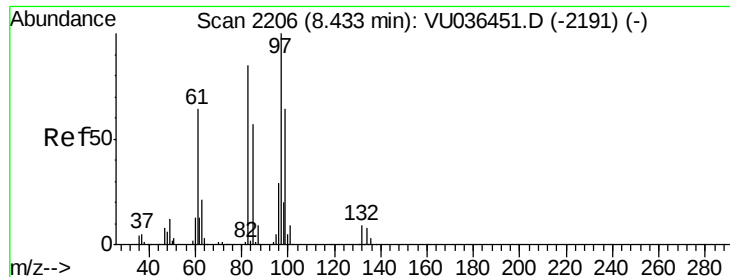
Tgt Ion: 75 Resp: 1173636

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4

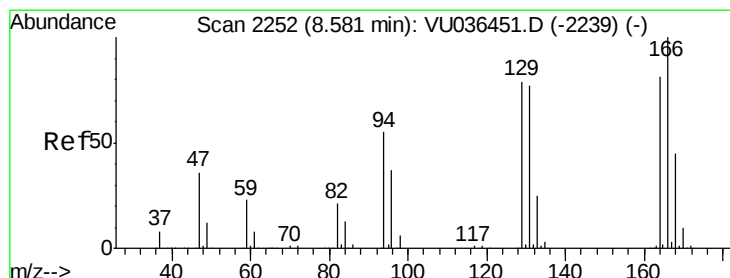
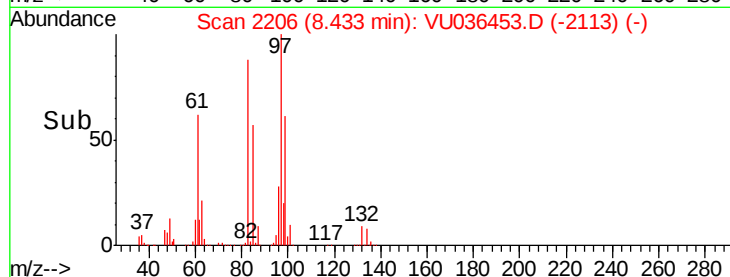
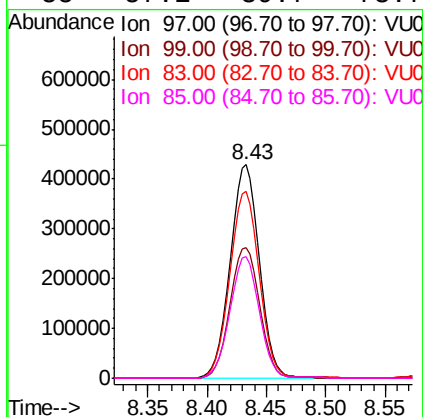
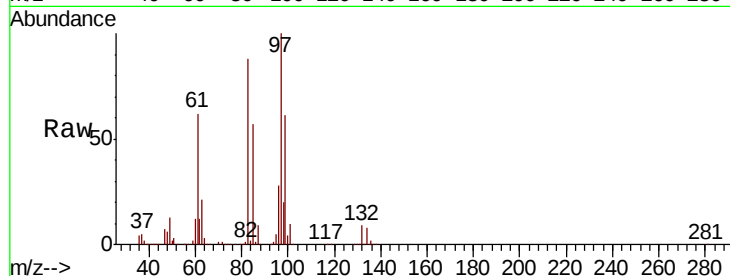




#45
 1,1,2-Trichloroethane
 Concen: 194.862 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

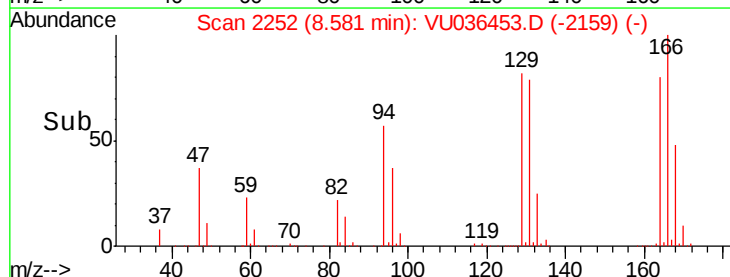
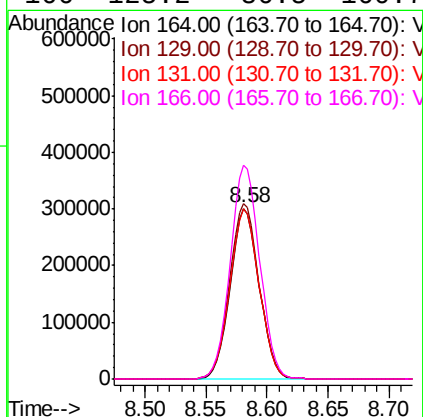
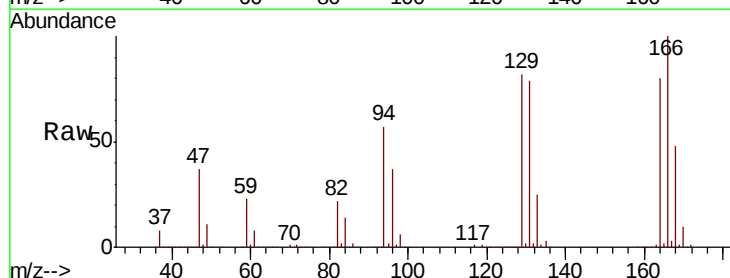
Instrument :
 MSVOA_U
 ClientSampleId :

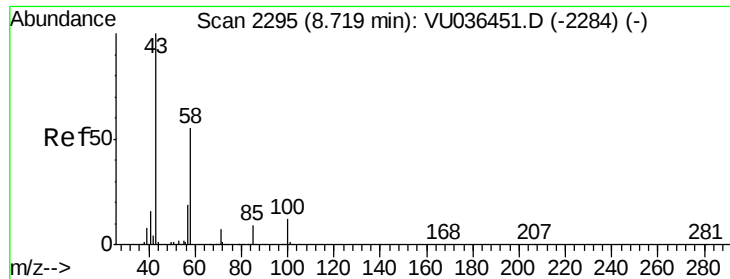
Tot Ion:	97	Resp:	731278
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.7	82.9
83	87.7	59.4	110.2
85	57.1	39.7	73.7



#46
 Tetrachloroethene
 Concen: 180.710 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion:	164	Resp:	499937
Ion	Ratio	Lower	Upper
164	100		
129	102.8	68.1	126.5
131	99.4	66.6	123.6
166	125.2	86.5	160.7

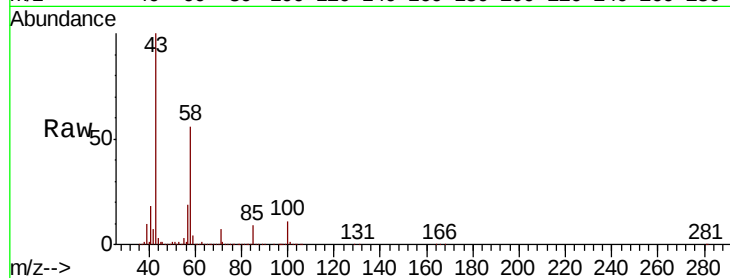




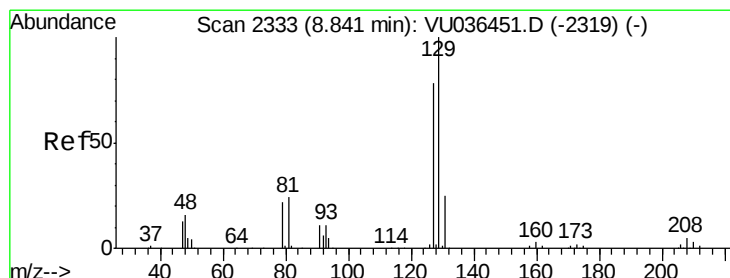
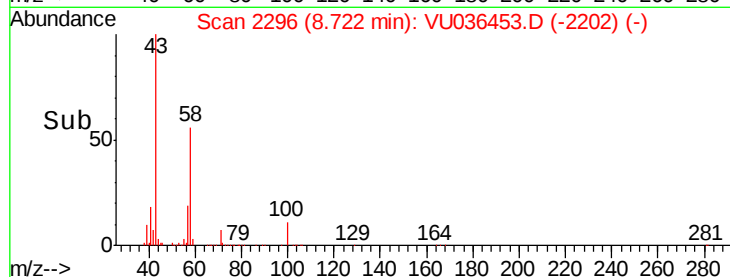
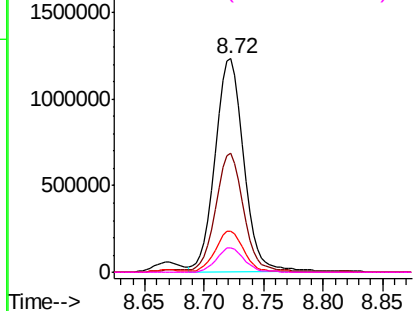
#48
2-Hexanone
Concen: 393.646 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2049841
Ion Ratio Lower Upper
43 100
58 54.8 43.7 65.5
57 19.0 14.7 22.1
100 11.3 9.4 14.0

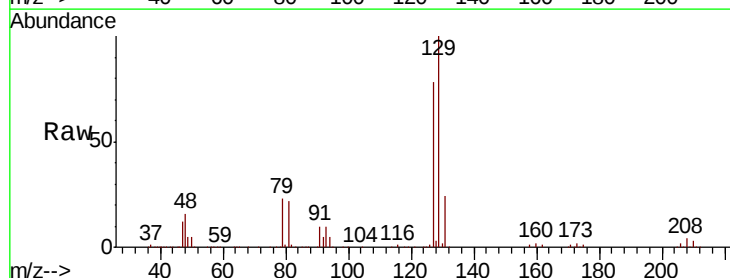


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

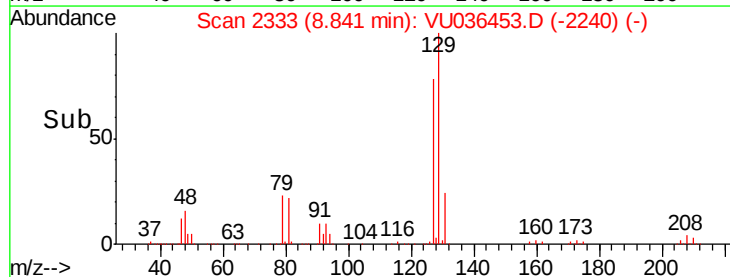
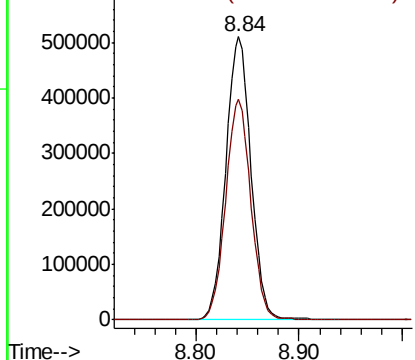


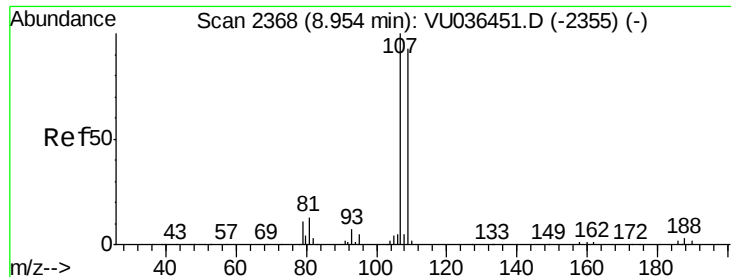
#49
Dibromochloromethane
Concen: 190.110 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion: 129 Resp: 867829
Ion Ratio Lower Upper
129 100
127 78.0 54.7 101.7



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

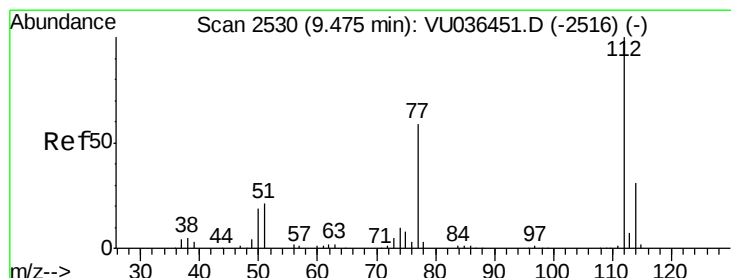
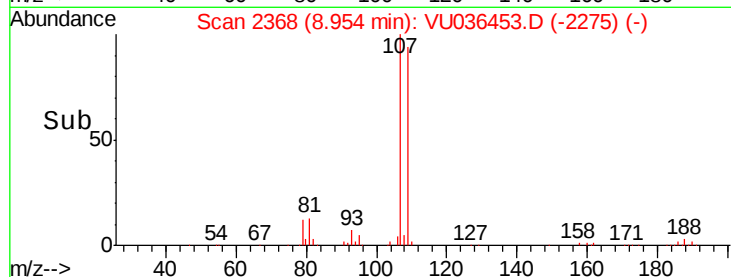
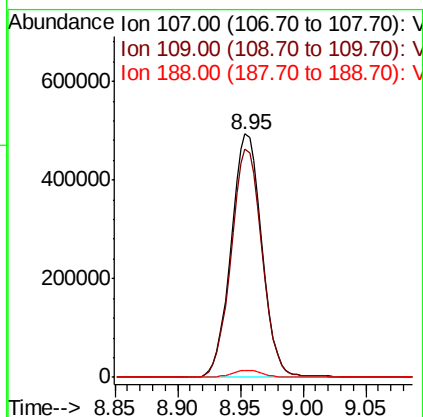
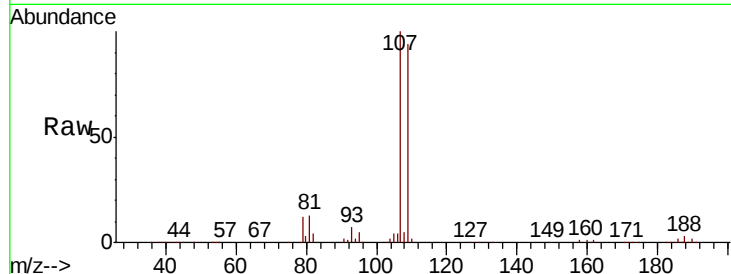




#50
1,2-Dibromoethane
Concen: 192.979 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

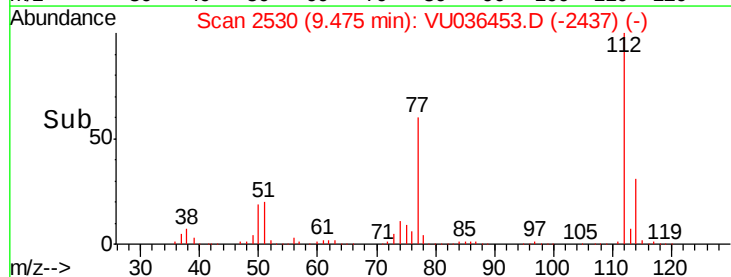
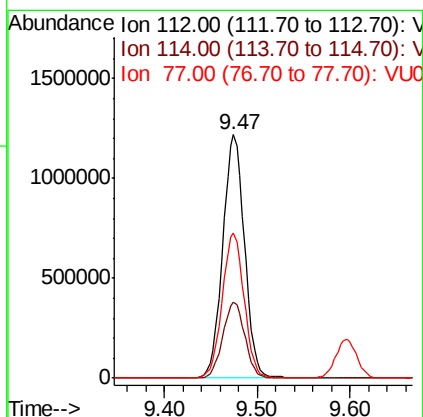
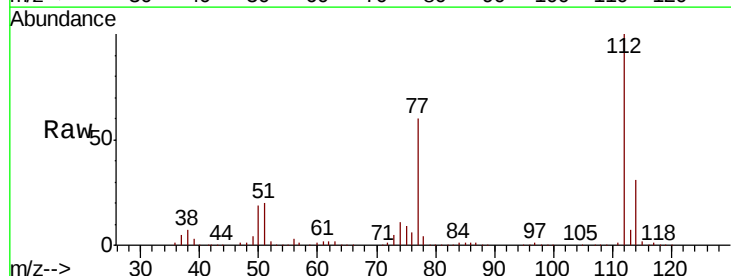
Instrument :
MSVOA_U
ClientSampled :

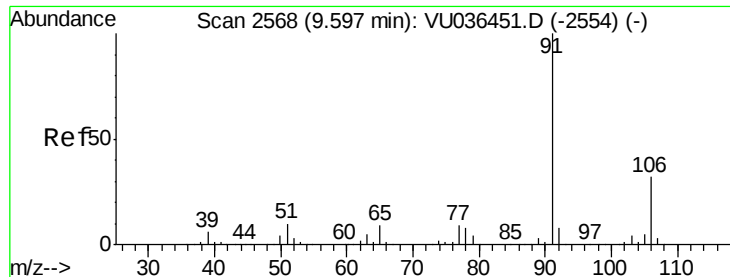
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.0	120.8
188	3.1	2.6	4.0



#51
Chlorobenzene
Concen: 191.677 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.0	41.0
77	59.7	47.8	71.8





#52

Ethylbenzene

Concen: 186.167 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

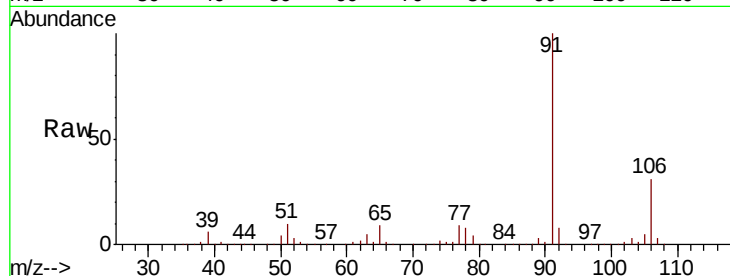
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 3469942

Ion Ratio Lower Upper

91 100

106 30.6 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036453.D (-2475) (-)

Ion 106.00 (105.70 to 106.70): VU036453.D (-2475) (-)

2500000

2000000

1500000

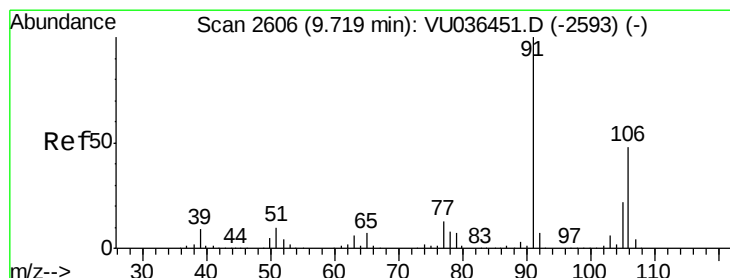
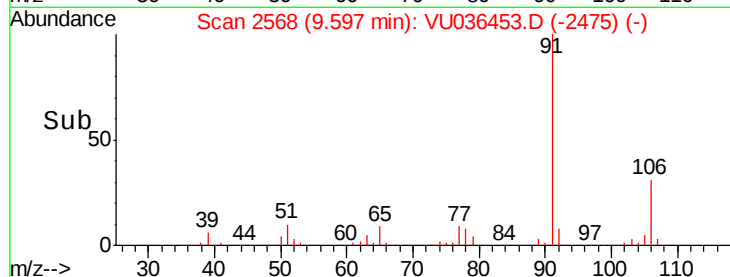
1000000

500000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 188.598 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036453.D

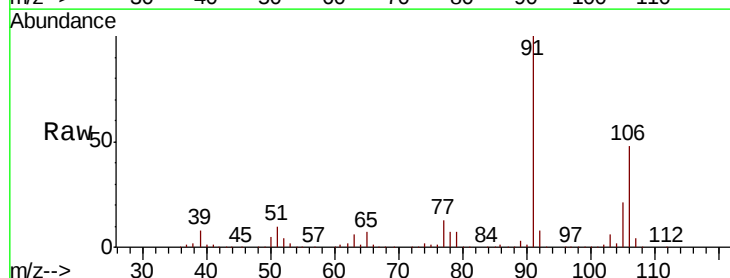
Acq: 14 Jan 2020 19:04

Tgt Ion: 106 Resp: 1303063

Ion Ratio Lower Upper

106 100

91 209.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036453.D (-2513) (-)

Ion 91.00 (90.70 to 91.70): VU036453.D (-2513) (-)

1500000

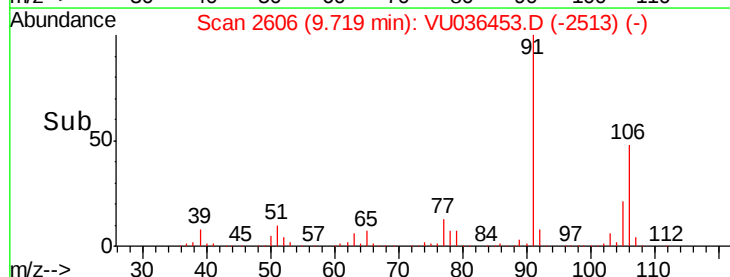
1000000

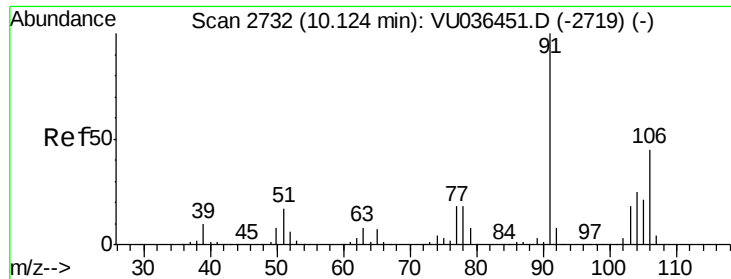
500000

0

9.70 9.72 9.74 9.76 9.78 9.80

Time-->

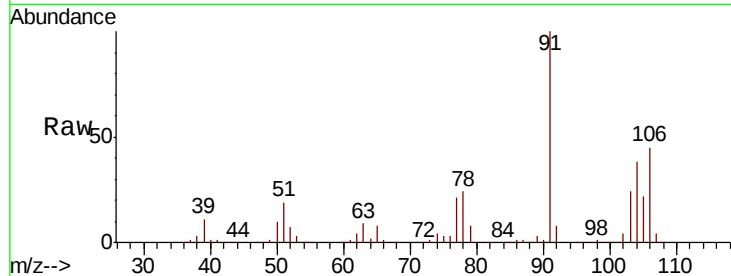




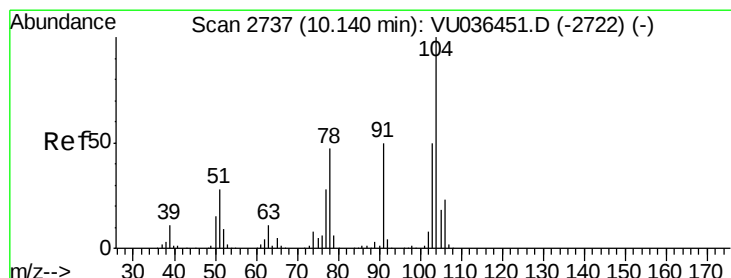
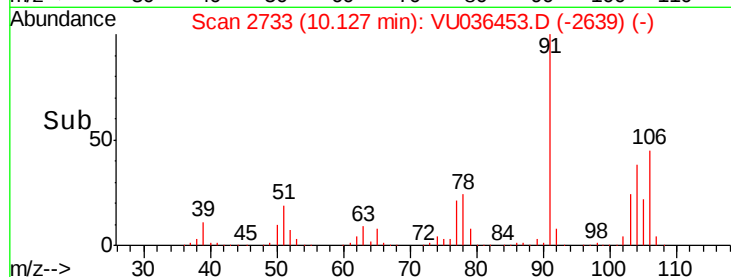
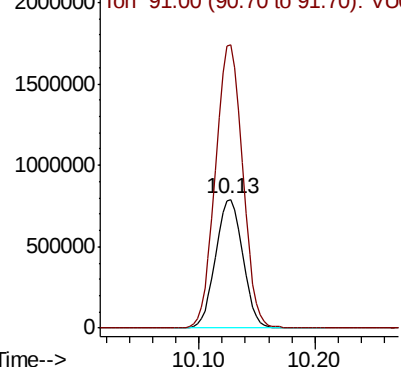
#54
o-xylene
Concen: 184.342 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 1280353
Ion Ratio Lower Upper
106 100
91 220.2 156.4 290.4

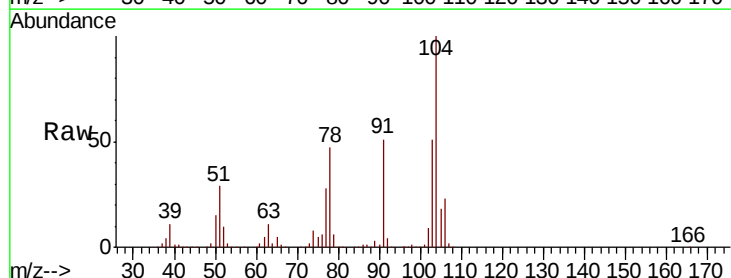


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

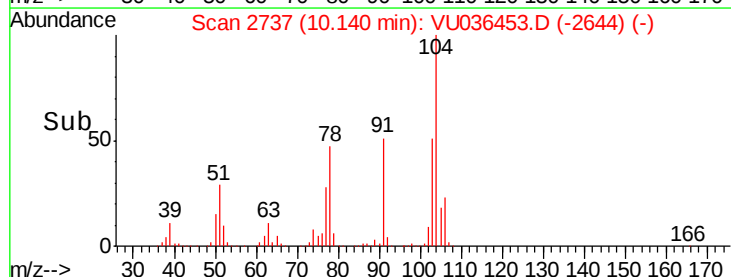
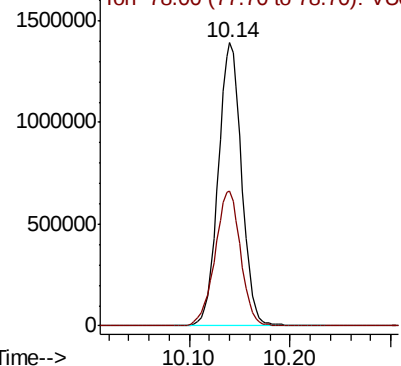


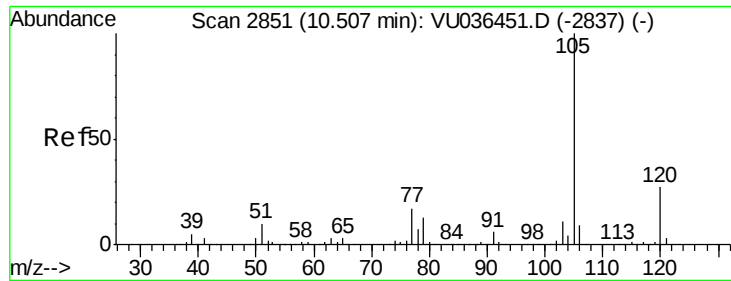
#55
Styrene
Concen: 191.919 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036453.D
Acq: 14 Jan 2020 19:04

Tgt Ion:104 Resp: 2242902
Ion Ratio Lower Upper
104 100
78 47.5 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 184.814 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampled :

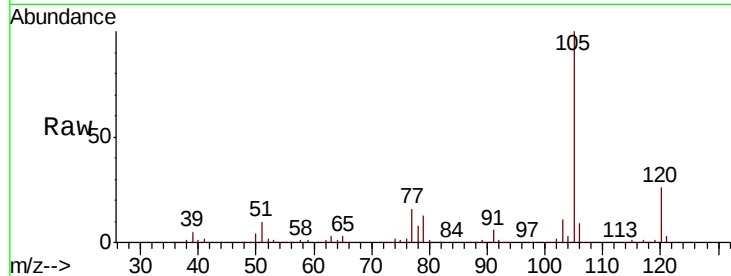
Tot Ion:105 Resp: 3340124

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

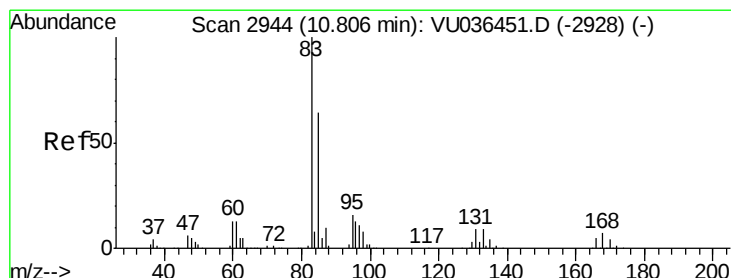
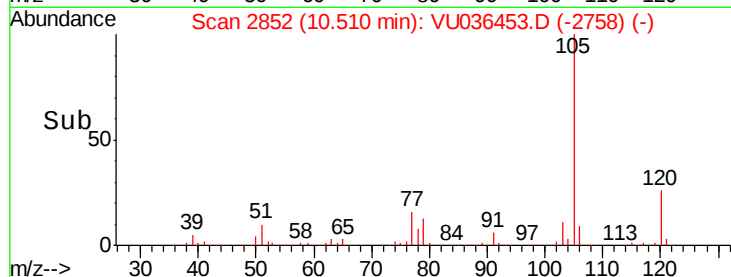
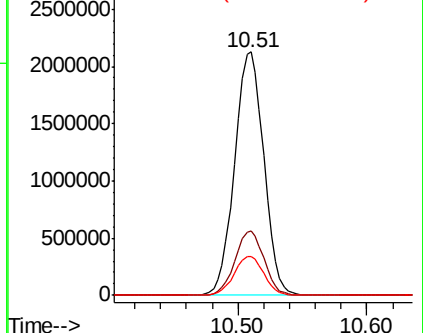
77 16.2 13.4 20.2



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: 186.842 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

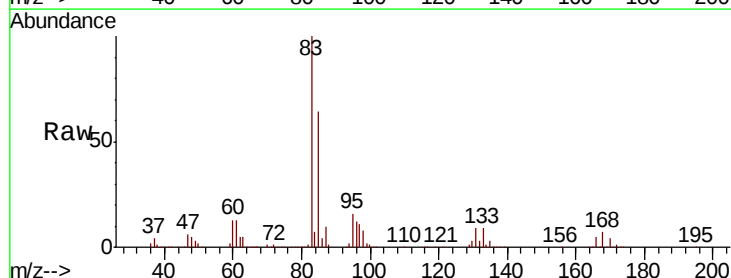
Tgt Ion: 83 Resp: 1321496

Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9

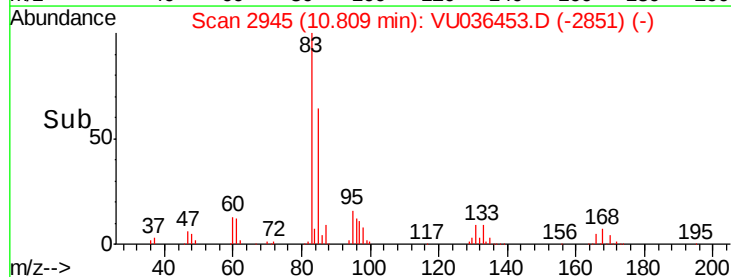
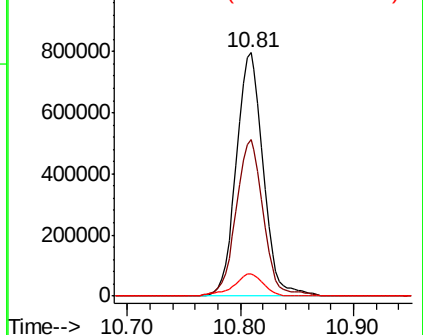
131 9.1 7.0 10.6

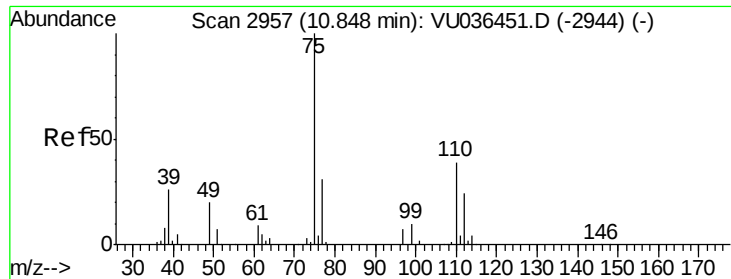


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 188.774 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

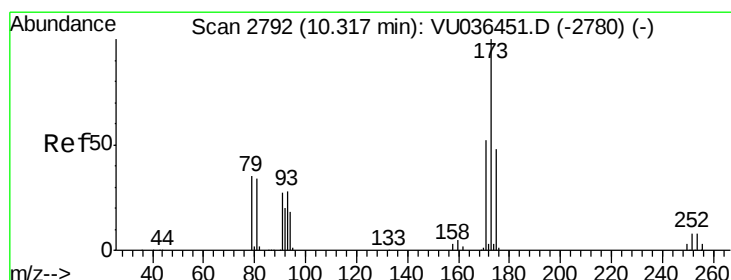
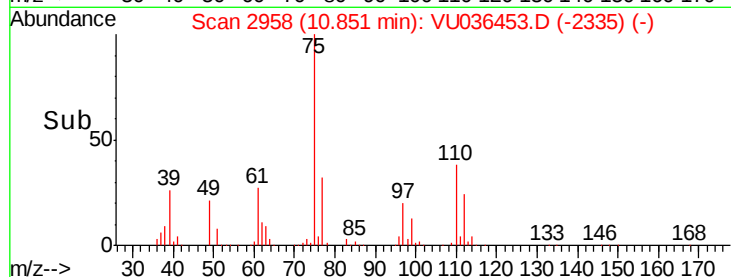
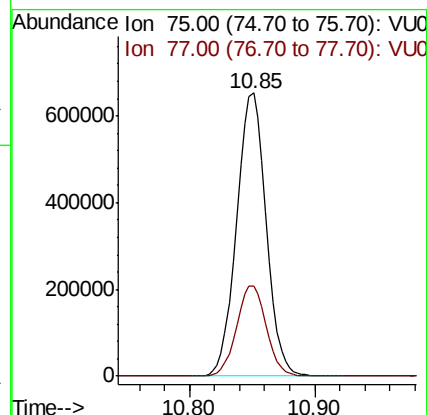
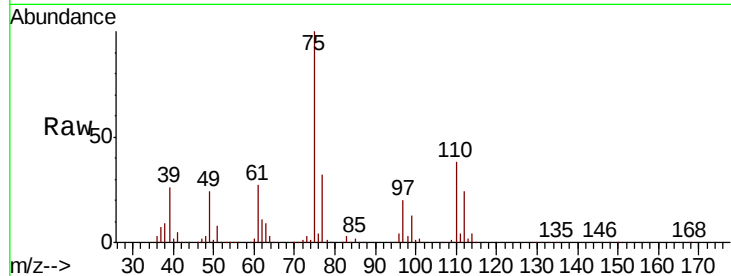
ClientSampleId :

Tot Ion: 75 Resp: 1066244

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



#61

Bromoform

Concen: 181.716 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

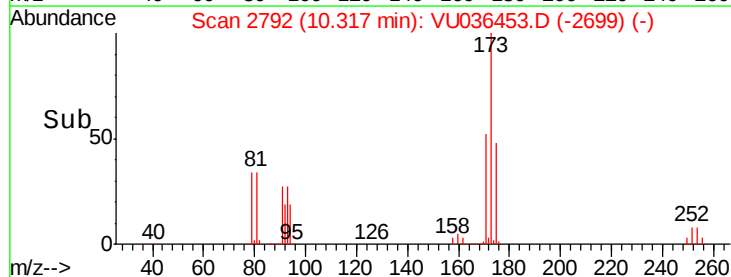
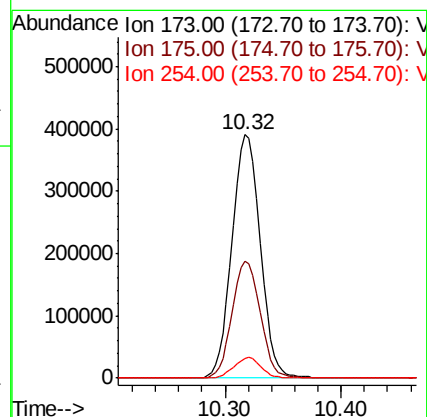
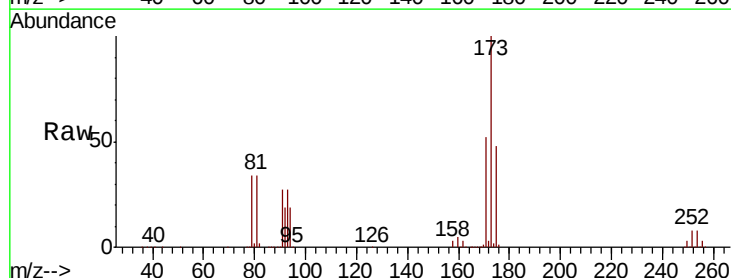
Tgt Ion: 173 Resp: 660201

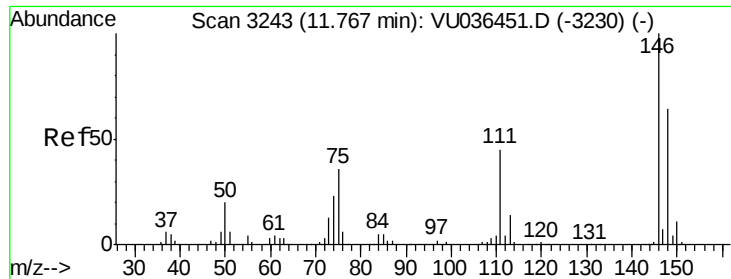
Ion Ratio Lower Upper

173 100

175 47.7 39.6 59.4

254 8.1 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 185.504 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

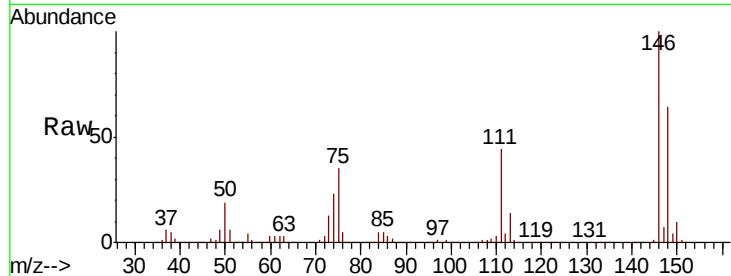
Tot Ion:146 Resp: 1481297

Ion Ratio Lower Upper

146 100

111 44.4 31.3 58.1

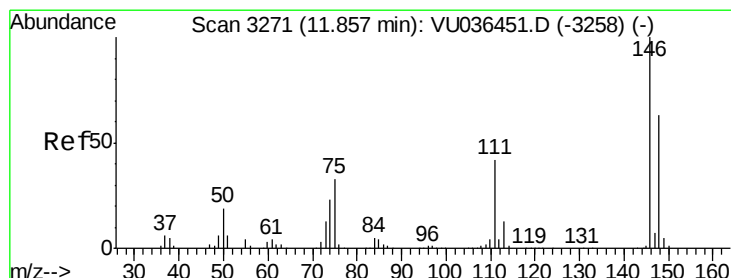
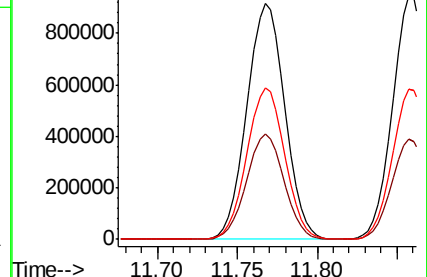
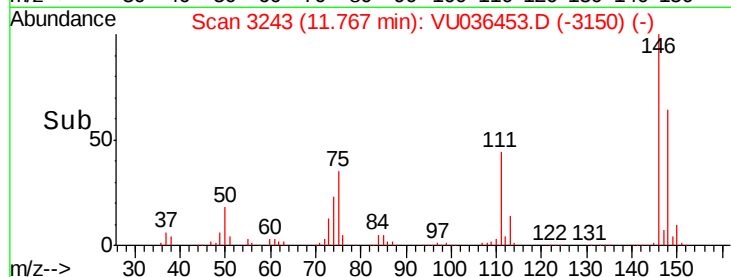
148 64.2 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 188.315 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

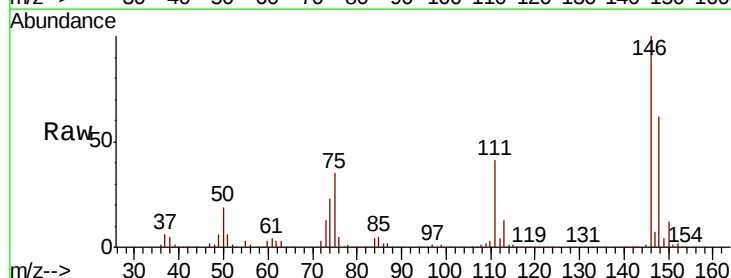
Tgt Ion:146 Resp: 1498006

Ion Ratio Lower Upper

146 100

111 41.2 29.3 54.3

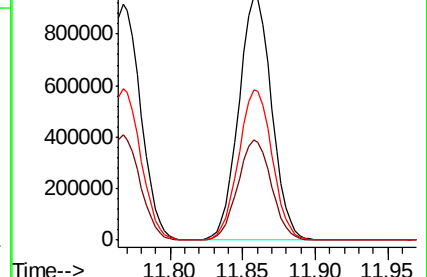
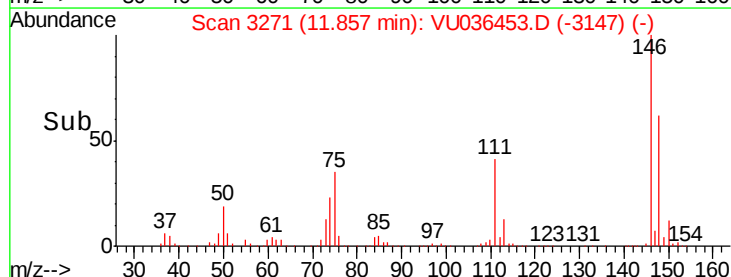
148 61.9 43.8 81.3

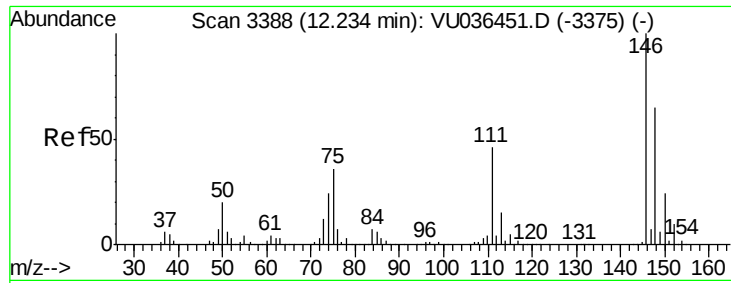


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

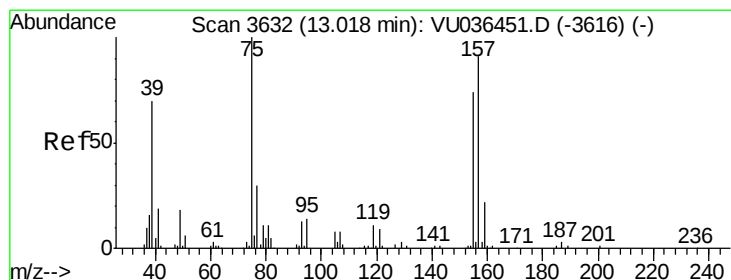
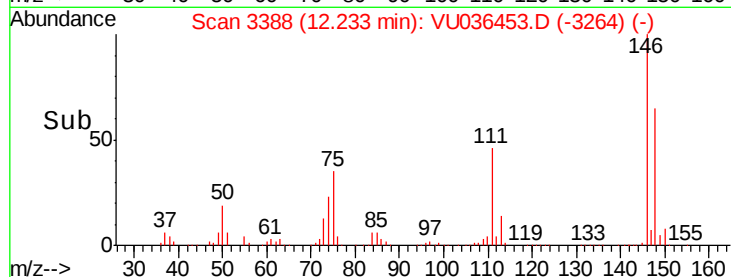
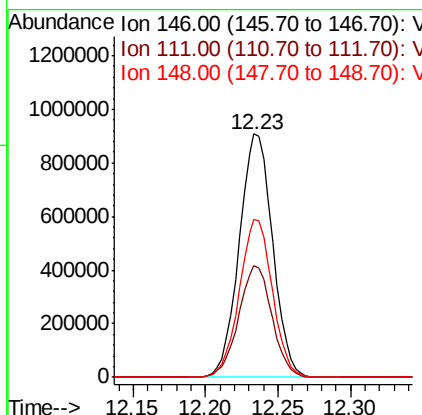
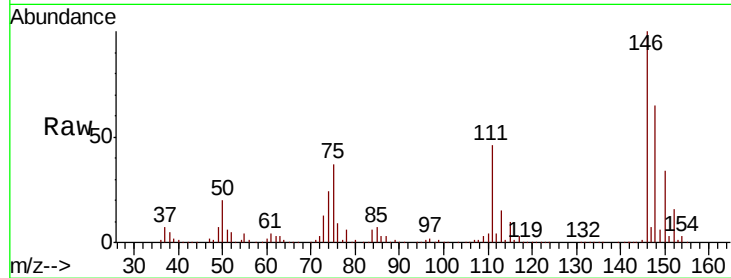




#65
 1,2-Dichlorobenzene
 Concen: 181.616 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

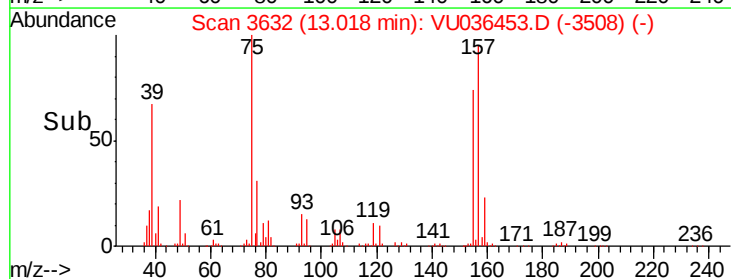
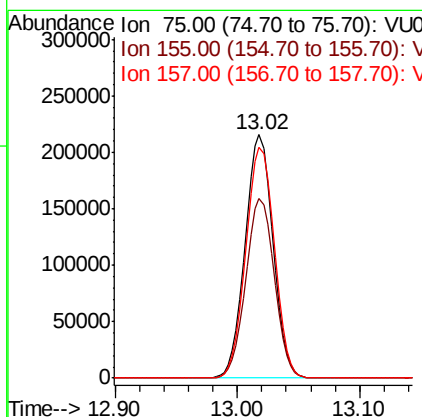
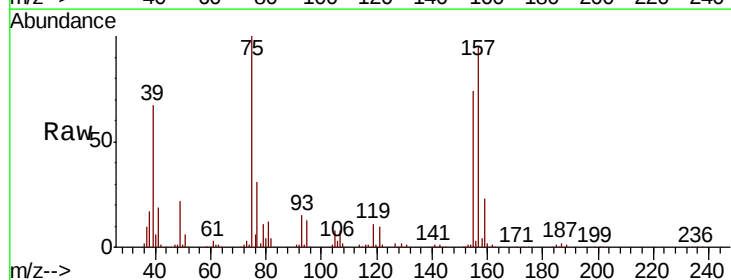
Instrument :
 MSVOA_U
 ClientSampleId :

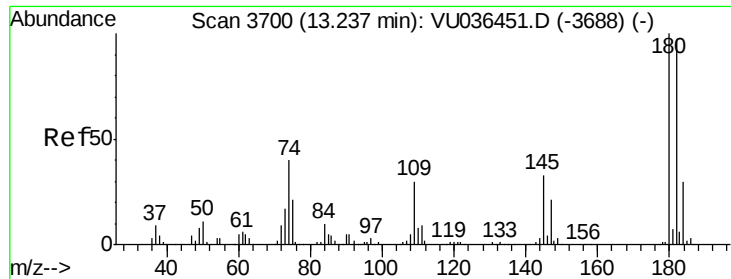
Tot Ion:146 Resp: 1451817
 Ion Ratio Lower Upper
 146 100
 111 45.9 37.0 55.4
 148 65.0 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 182.756 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion: 75 Resp: 337700
 Ion Ratio Lower Upper
 75 100
 155 73.7 59.1 88.7
 157 95.0 72.7 109.1

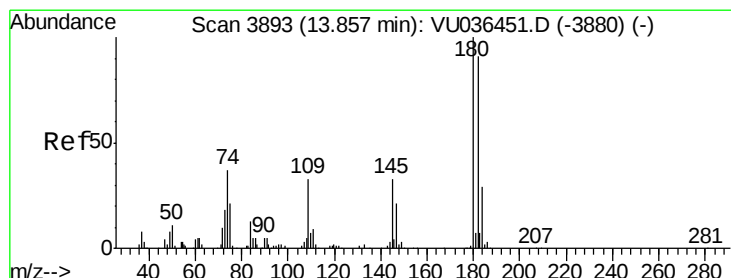
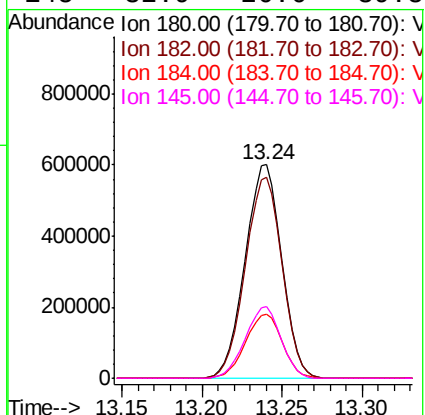
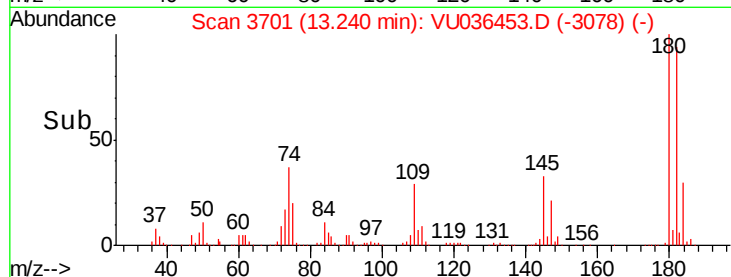
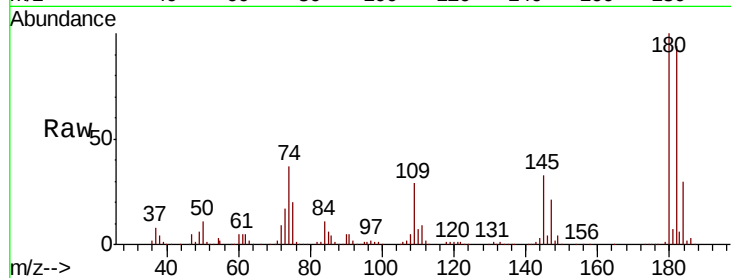




#67
 1,3,5-Trichlorobenzene
 Concen: 179.677 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

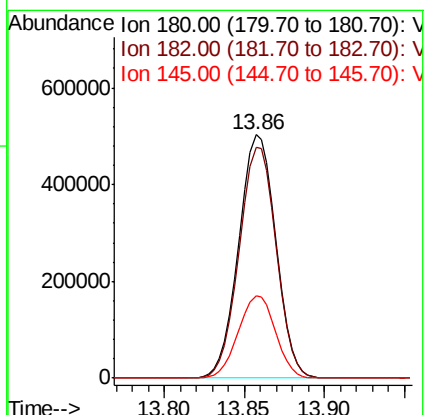
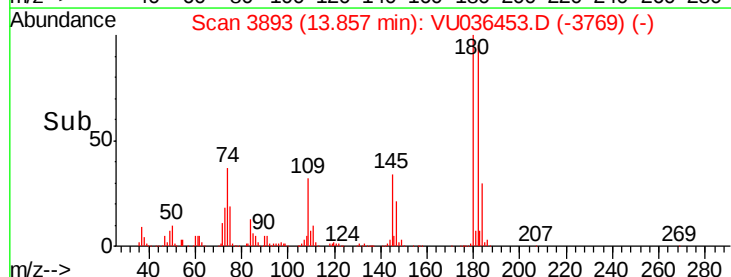
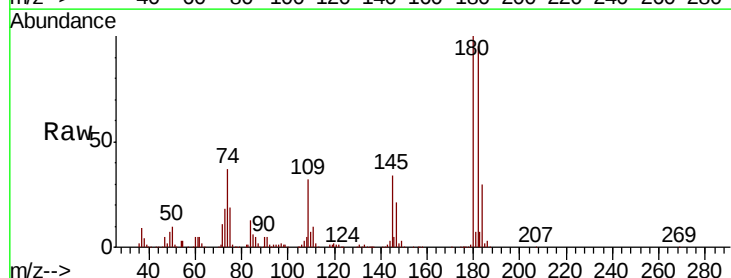
Instrument :
 MSVOA_U
 ClientSampleId :

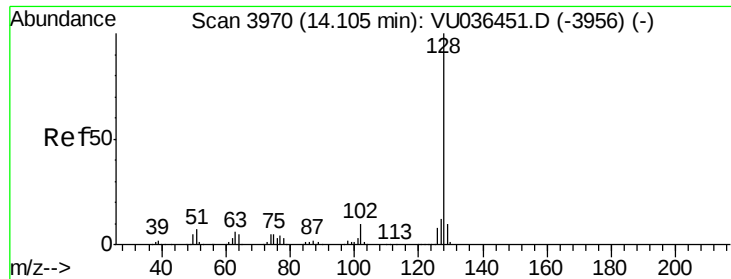
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
184	30.3	24.4	36.6
145	32.9	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 201.178 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036453.D
 Acq: 14 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.1	111.1
145	34.0	26.6	40.0





#69

Naphthalene

Concen: 217.096 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

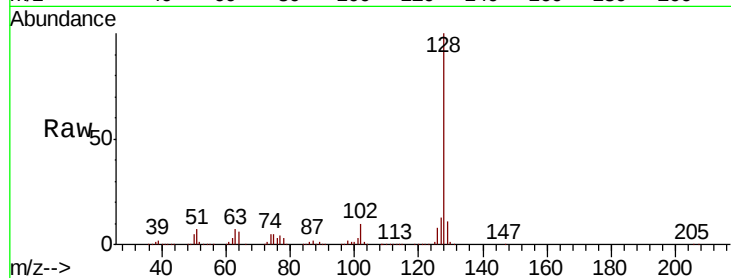
Tot Ion:128 Resp: 2891643

Ion Ratio Lower Upper

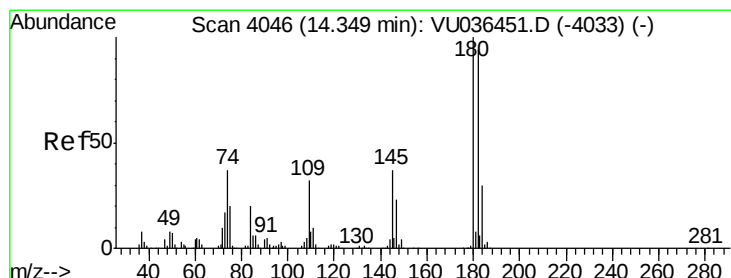
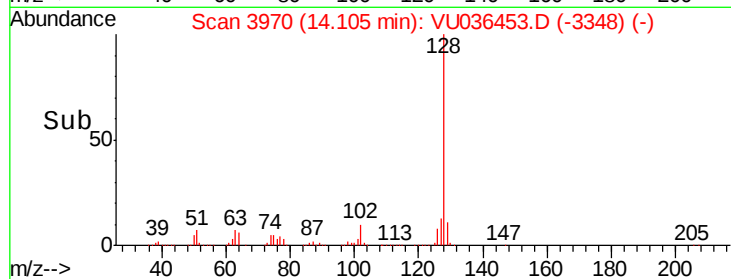
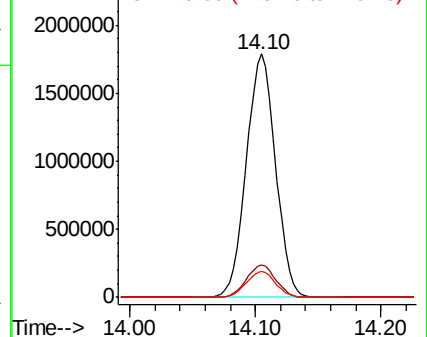
128 100

127 13.2 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: 191.990 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036453.D

Acq: 14 Jan 2020 19:04

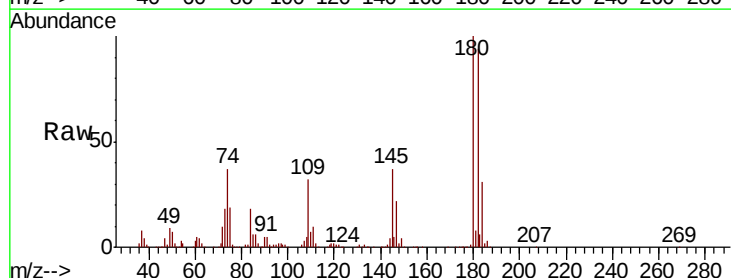
Tgt Ion:180 Resp: 785647

Ion Ratio Lower Upper

180 100

182 94.1 77.1 115.7

145 36.0 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

