

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036451.D
 Acq On : 14 Jan 2020 17:24
 Operator : JC/MD
 Sample : VSTD05035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:04:42 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	510648	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	488994	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	221553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	159699	41.44	ug/L	0.00
7) Chloroethane-d5	1.93	69	138681	42.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	316093	46.77	ug/L	0.00
21) 2-Butanone-d5	4.68	46	283875	96.09	ug/L	0.00
24) Chloroform-d	5.11	84	332195	48.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	219127	47.62	ug/L	0.00
32) Benzene-d6	5.77	84	644344	47.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	208869	46.07	ug/L	0.00
41) Toluene-d8	7.93	98	607082	46.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	111773	45.54	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	223172	94.80	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	317262	46.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	221130	47.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	239502	56.227	ug/L	100
3) Chloromethane	1.54	50	223807	57.876	ug/L	100
5) Vinyl chloride	1.62	62	216676	49.636	ug/L	100
6) Bromomethane	1.87	94	130865	59.394	ug/L	100
8) Chloroethane	1.95	64	125361	48.200	ug/L	100
9) Trichlorofluoromethane	2.16	101	293801	48.290	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	157980	51.757	ug/L	100
12) 1,1-Dichloroethene	2.61	96	154937	51.475	ug/L	100
13) Acetone	2.66	43	297920	95.726	ug/L	100
14) Carbon disulfide	2.82	76	490308	52.334	ug/L	100
15) Methyl Acetate	2.99	43	214899	51.215	ug/L	100
16) Methylene chloride	3.08	84	188782	51.343	ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	165592	51.280	ug/L	100
18) Methyl tert-butyl Ether	3.41	73	581201	49.629	ug/L	100
19) 1,1-Dichloroethane	3.92	63	324055	50.066	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	196524	50.250	ug/L	100
22) 2-Butanone	4.76	43	356227	97.663	ug/L	100
23) Bromochloromethane	5.02	128	93193	49.962	ug/L	100
25) Chloroform	5.13	83	336457	48.942	ug/L	100
27) 1,2-Dichloroethane	5.84	62	271133	50.648	ug/L	100
29) Cyclohexane	5.43	56	299156	51.896	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	300707	49.736	ug/L	100
31) Carbon tetrachloride	5.57	117	263566	50.174	ug/L	100
33) Benzene	5.82	78	727452	50.095	ug/L	100
34) Trichloroethene	6.58	95	195409	51.825	ug/L	100
35) Methylcyclohexane	6.80	83	300132	50.175	ug/L	100
37) 1,2-Dichloropropane	6.83	63	190017	48.677	ug/L	100
38) Bromodichloromethane	7.14	83	264944	48.167	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	317733	48.320	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	605951	91.988	ug/L	100

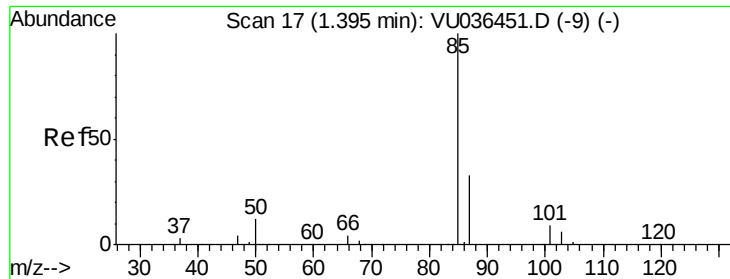
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011420\
 Data File : VU036451.D
 Acq On : 14 Jan 2020 17:24
 Operator : JC/MD
 Sample : VSTD05035
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 00:04:42 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	791657	49.511	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	294372	48.270	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	181273	49.685	ug/L	100
46) Tetrachloroethene	8.58	164	133234	49.537	ug/L	100
48) 2-Hexanone	8.72	43	482026	95.214	ug/L	100
49) Dibromochloromethane	8.84	129	207587	46.775	ug/L	100
50) 1,2-Dibromoethane	8.95	107	209774	49.454	ug/L	100
51) Chlorobenzene	9.47	112	493532	49.061	ug/L	100
52) Ethylbenzene	9.60	91	881624	48.653	ug/L	100
53) m,p-Xylene	9.72	106	327804	48.801	ug/L	100
54) o-xylene	10.12	106	326548	48.360	ug/L	100
55) Styrene	10.14	104	547199	48.161	ug/L	100
56) Isopropylbenzene	10.51	105	853186	48.558	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	325726	47.370	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	262839	47.865	ug/L	100
61) Bromoform	10.32	173	149511	45.477	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	349667	48.392	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	355726	49.419	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	351929	48.652	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	75438	45.117	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	216261	45.866	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	162537	45.661	ug/L	100
69) Naphthalene	14.10	128	519313	43.087	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	161472	43.607	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 56.227 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

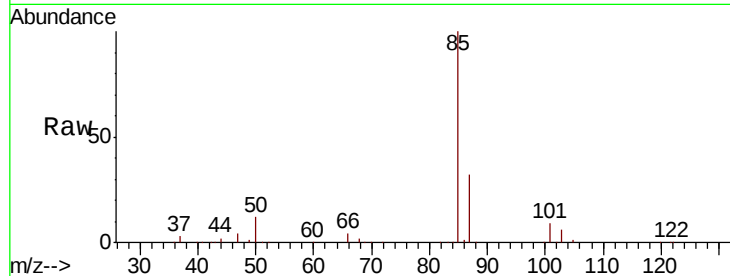
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 239502

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036451.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036451.D (-9) (-)

1.39

250000

200000

150000

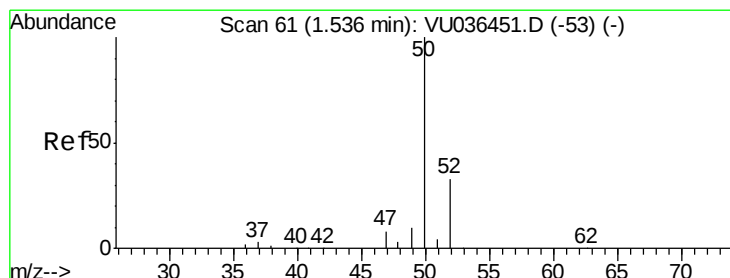
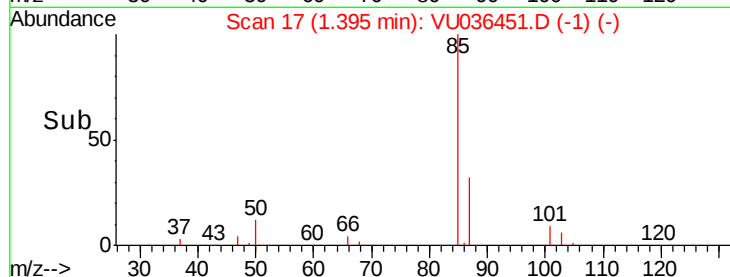
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 57.876 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036451.D

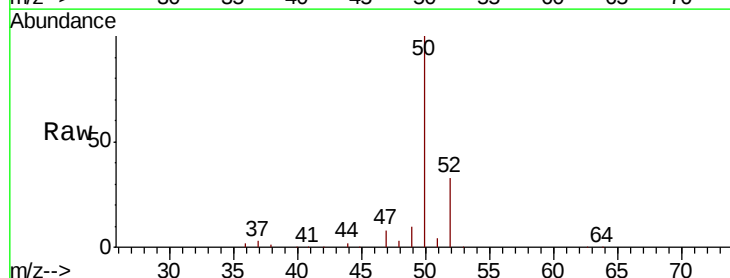
Acq: 14 Jan 2020 17:24

Tgt Ion: 50 Resp: 223807

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU036451.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036451.D (-53) (-)

1.54

200000

150000

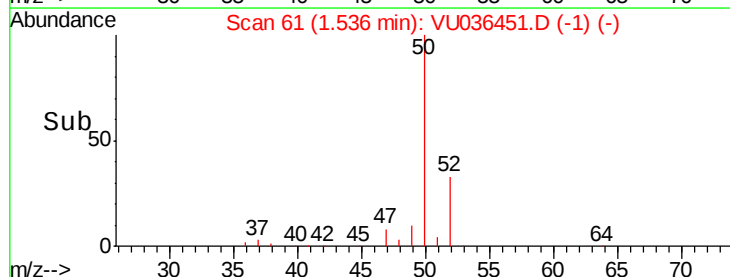
100000

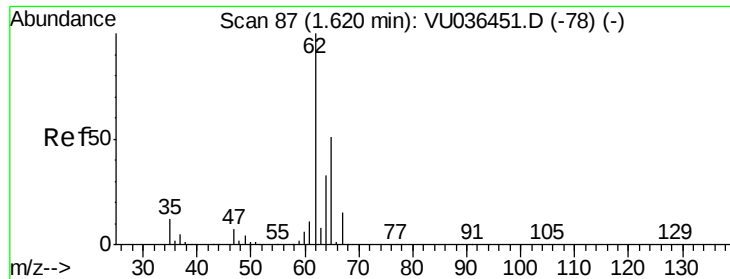
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 49.636 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

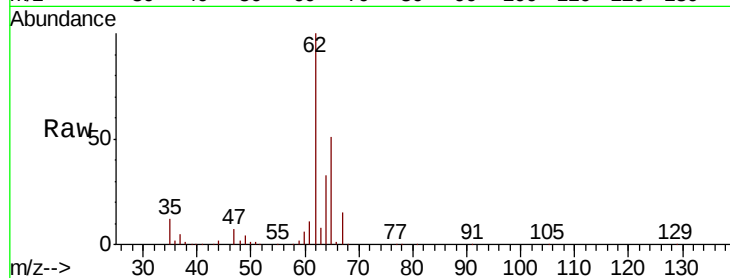
ClientSampleId :

Tot Ion: 62 Resp: 216676

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036451.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036451.D (-78) (-)

1.62

200000

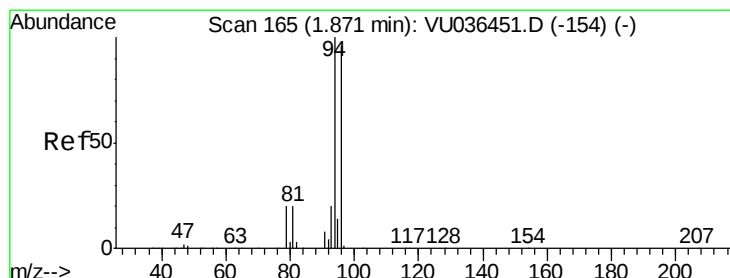
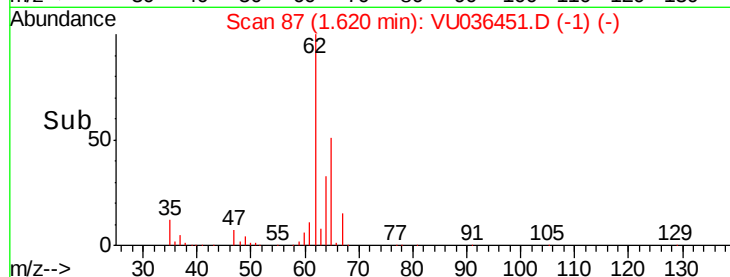
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 59.394 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036451.D

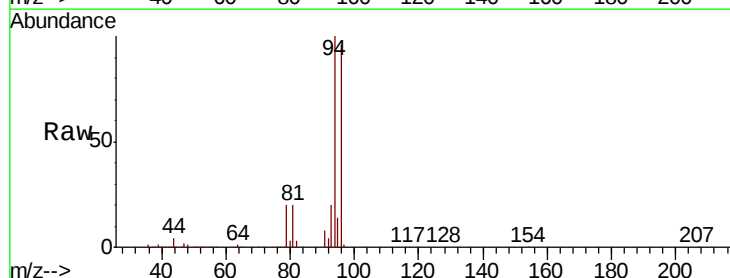
Acq: 14 Jan 2020 17:24

Tgt Ion: 94 Resp: 130865

Ion Ratio Lower Upper

94 100

96 95.9 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036451.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036451.D (-154) (-)

1.87

100000

80000

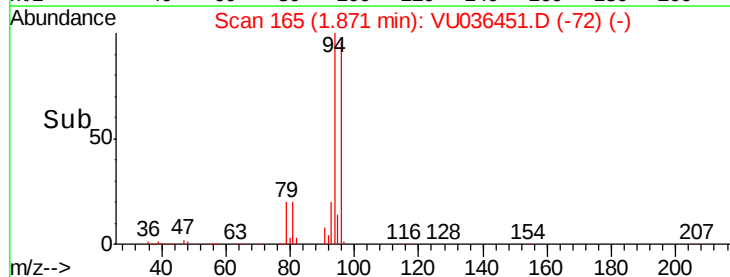
60000

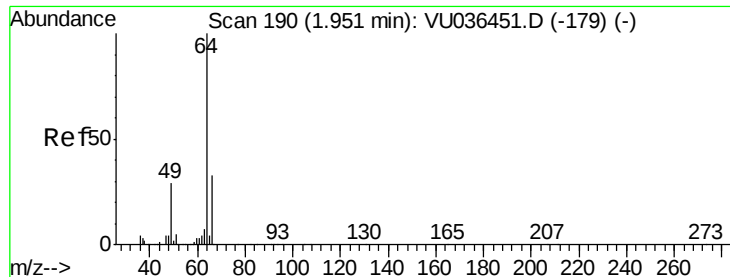
40000

20000

0

Time-->

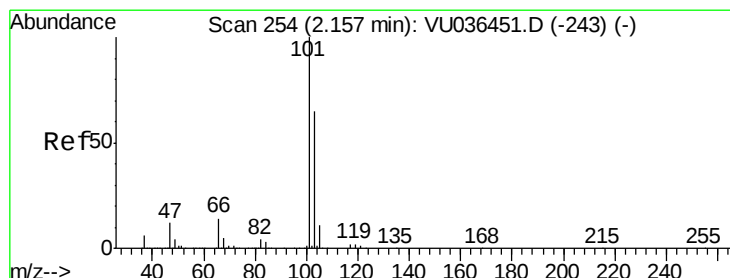
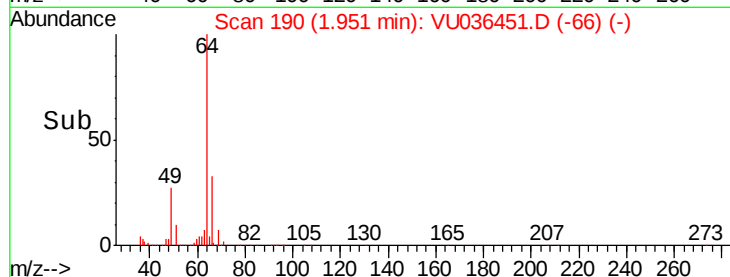
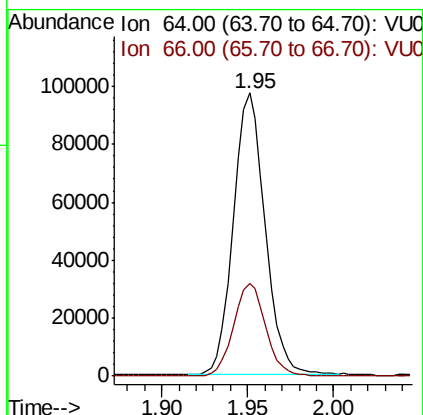
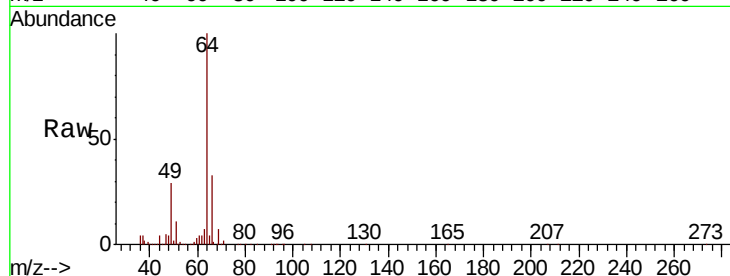




#8
Chloroethane
Concen: 48.200 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

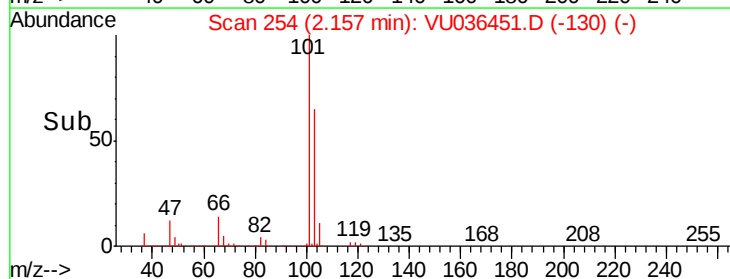
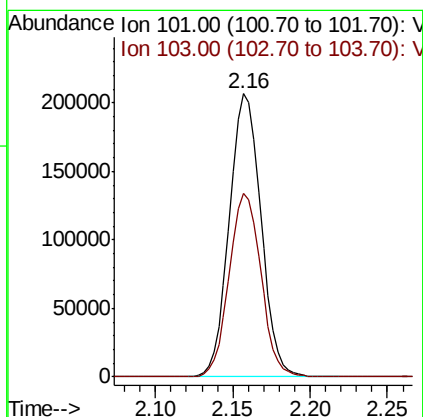
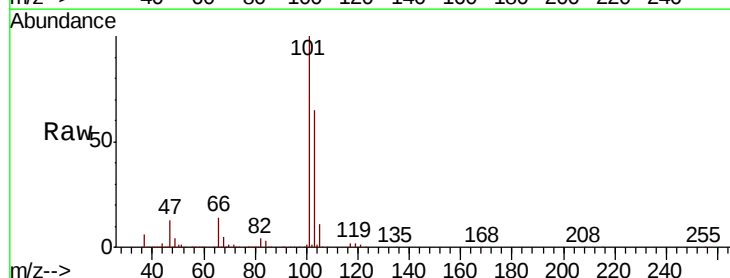
Instrument :
MSVOA_U
ClientSampled :

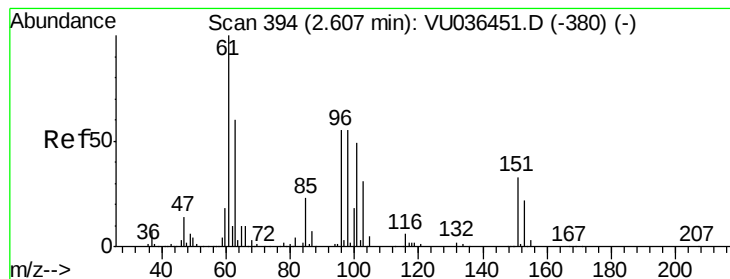
Tot Ion: 64 Resp: 125361
Ion Ratio Lower Upper
64 100
66 33.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 48.290 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 101 Resp: 293801
Ion Ratio Lower Upper
101 100
103 65.0 52.0 78.0





#10

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

Concen: 51.757 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

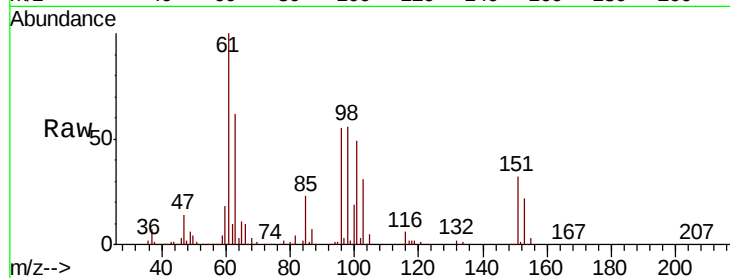
Tot Ion:101 Resp: 157980

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

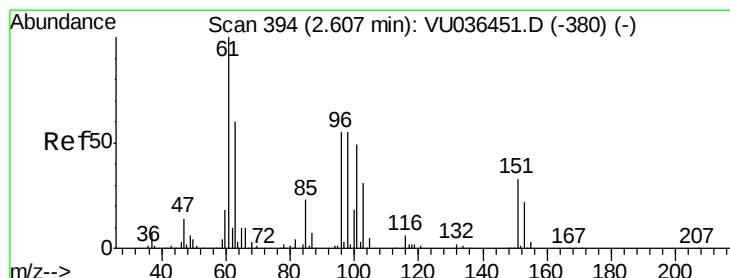
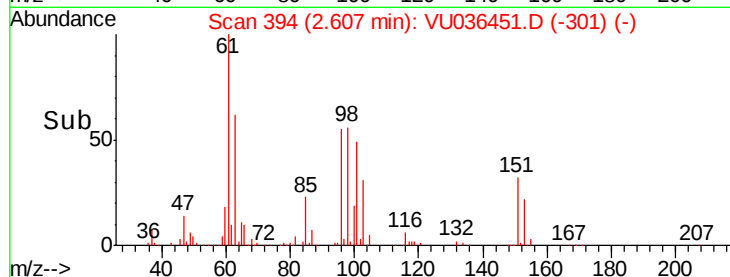
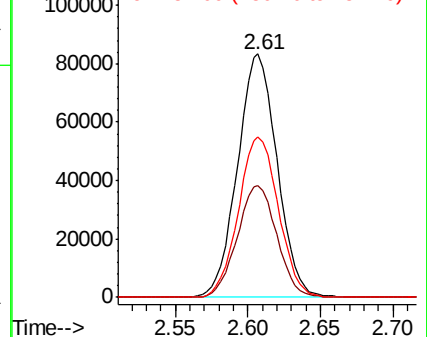
151 66.6 53.3 79.9



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: 51.475 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

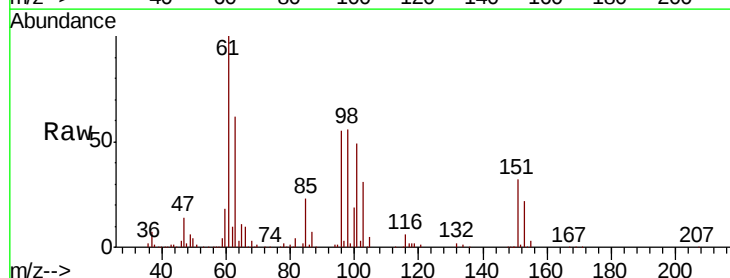
Tgt Ion: 96 Resp: 154937

Ion Ratio Lower Upper

96 100

61 183.2 128.2 238.2

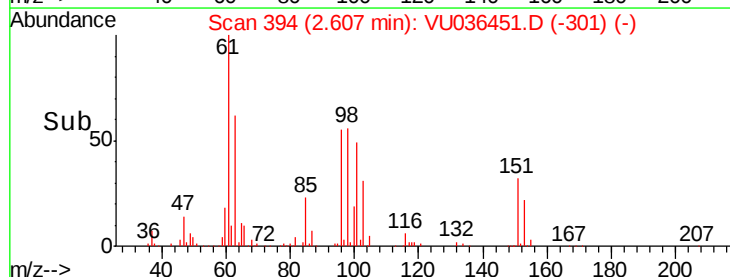
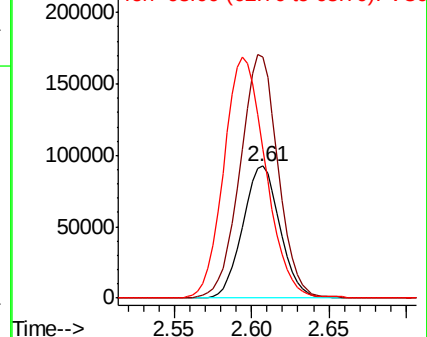
63 113.0 79.1 146.9

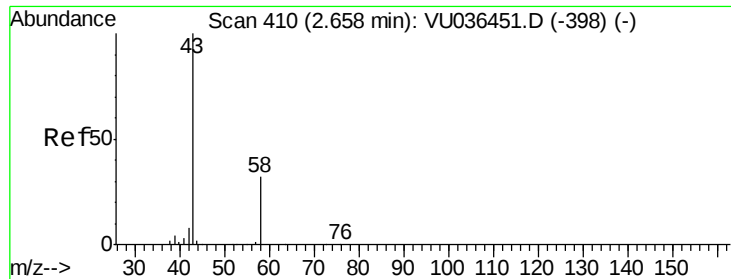


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 95.726 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

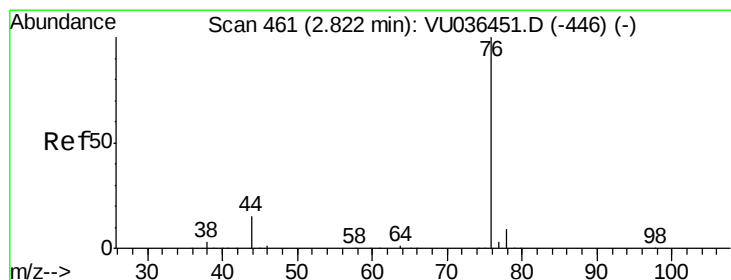
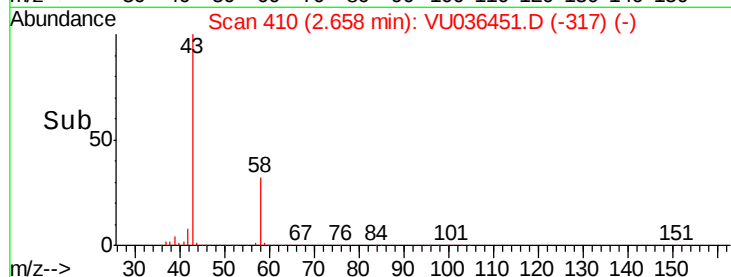
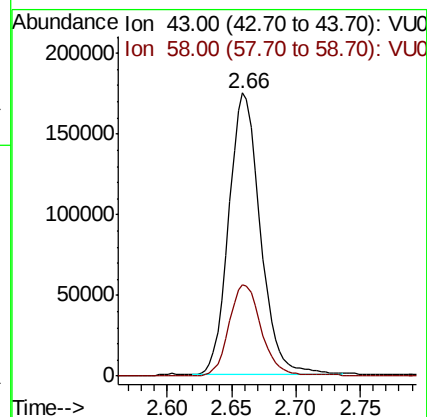
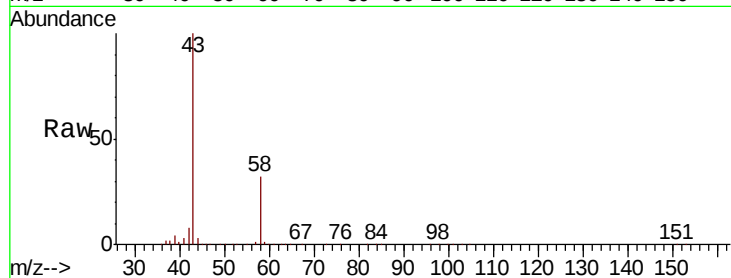
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 297920

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.0



#14

Carbon disulfide

Concen: 52.334 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036451.D

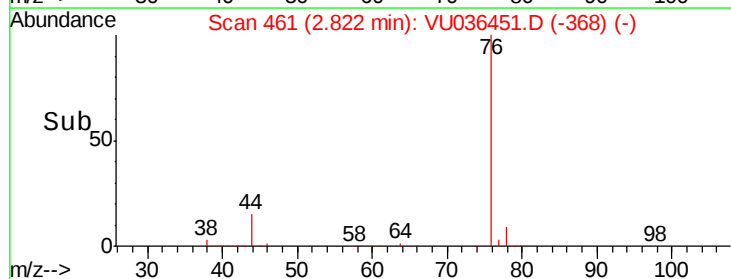
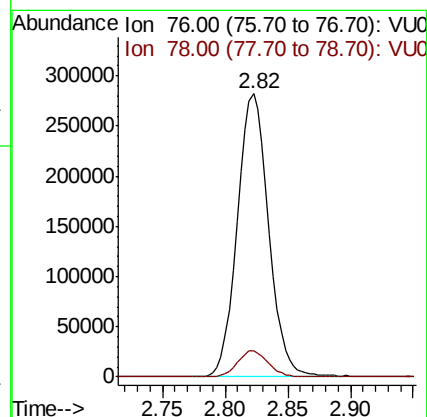
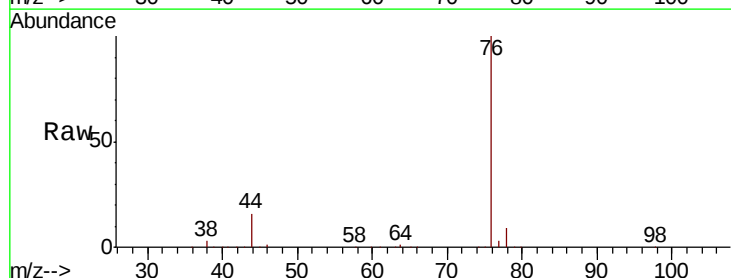
Acq: 14 Jan 2020 17:24

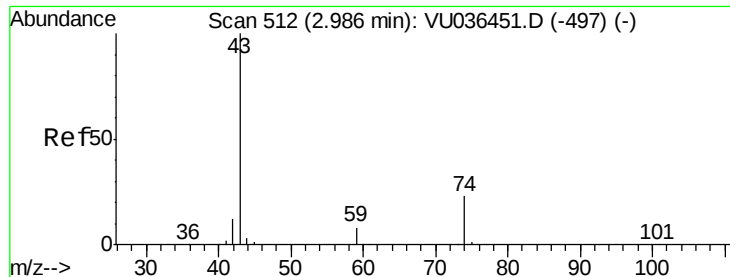
Tgt Ion: 76 Resp: 490308

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

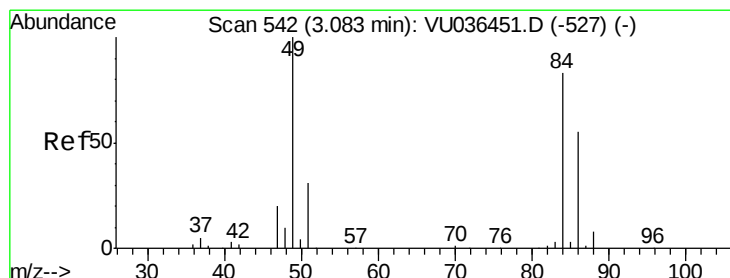
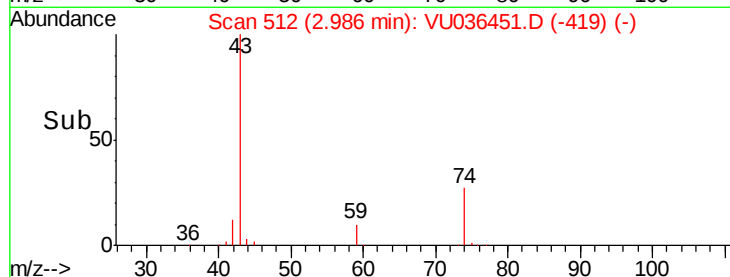
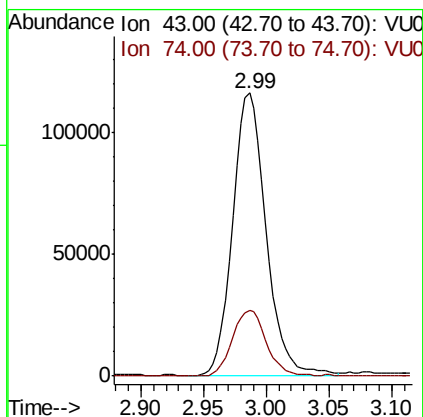
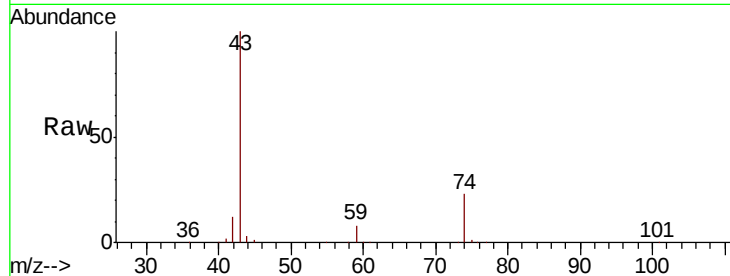




#15
Methvl Acetate
Concen: 51.215 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

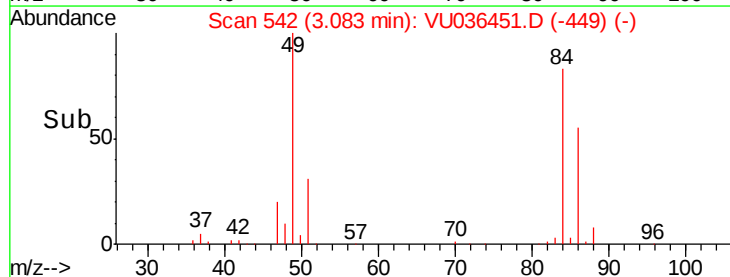
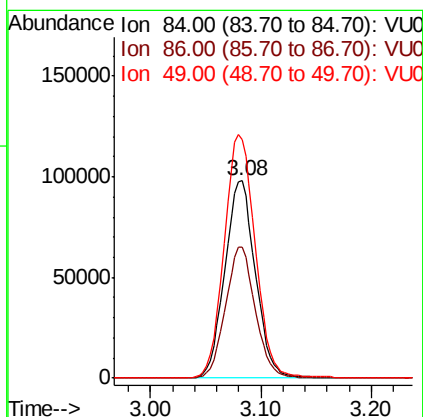
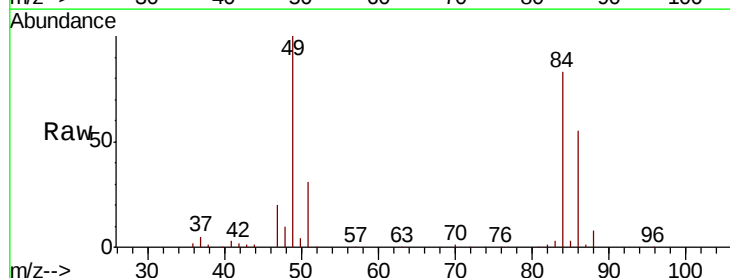
Instrument :
MSVOA_U
ClientSampled :

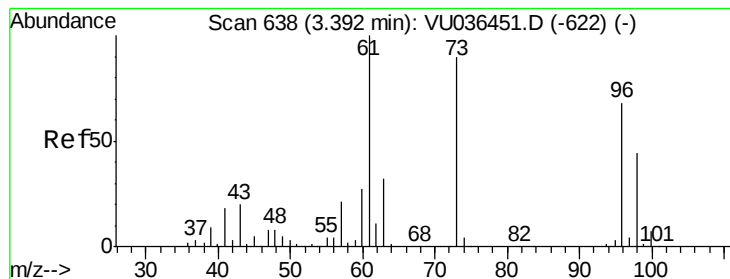
Tot Ion: 43 Resp: 214899
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 51.343 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 84 Resp: 188782
Ion Ratio Lower Upper
84 100
86 66.3 46.4 86.2
49 120.7 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 51.280 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

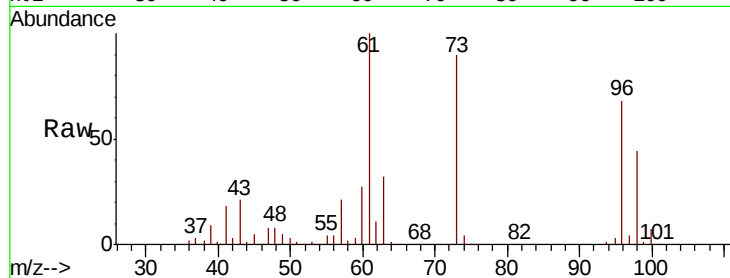
Tot Ion: 96 Resp: 165592

Ion Ratio Lower Upper

96 100

61 146.9 102.8 191.0

98 64.2 44.9 83.5

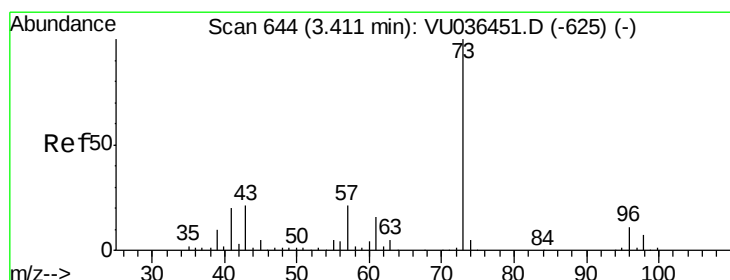
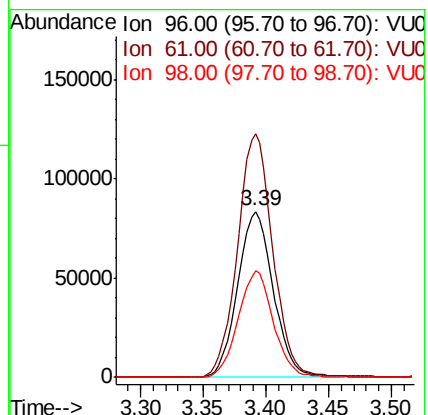
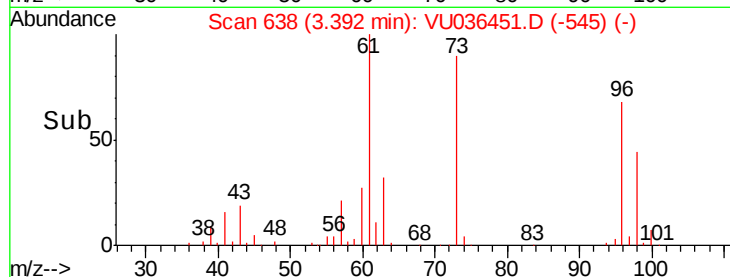


Abundance Ion 96.00 (95.70 to 96.70): VU036451.D (-622) (-)

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

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

Time-->



#18

Methyl tert-butyl Ether

Concen: 49.629 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

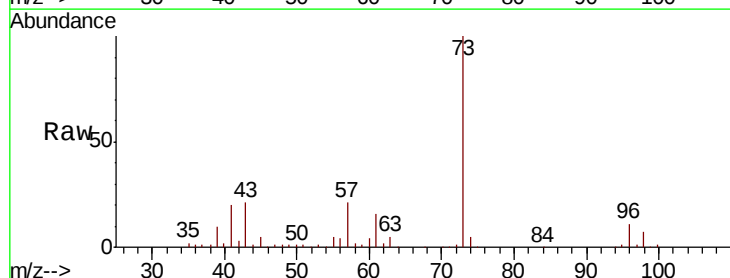
Tgt Ion: 73 Resp: 581201

Ion Ratio Lower Upper

73 100

43 20.8 16.6 25.0

57 21.3 17.0 25.6

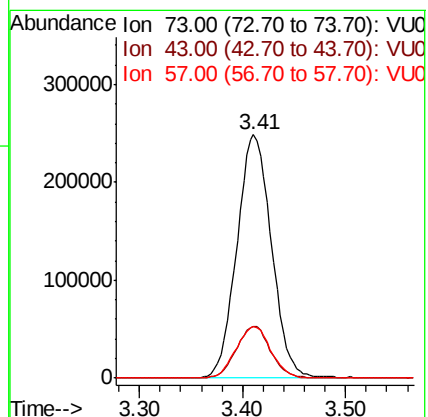
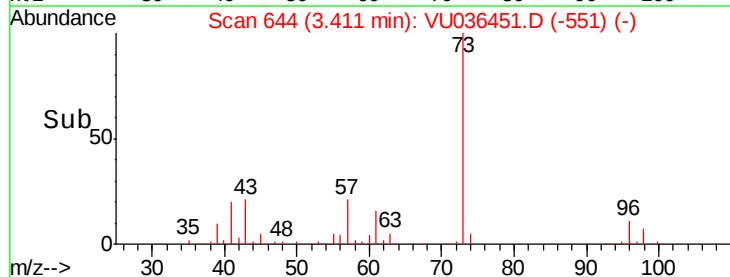


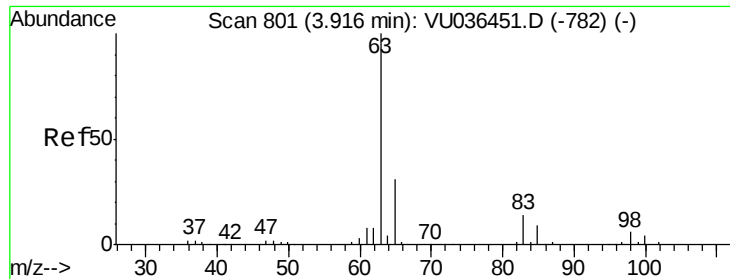
Abundance Ion 73.00 (72.70 to 73.70): VU036451.D (-625) (-)

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

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

Time-->





#19

1,1-Dichloroethane

Concen: 50.066 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

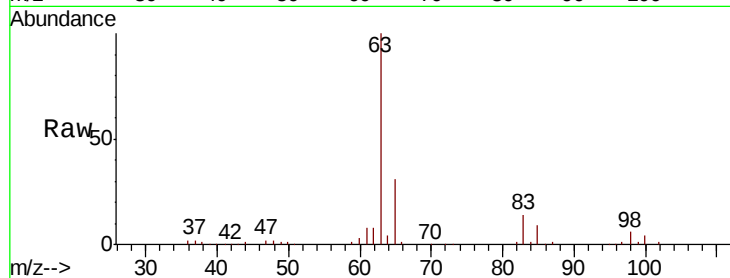
Tot Ion: 63 Resp: 324055

Ion Ratio Lower Upper

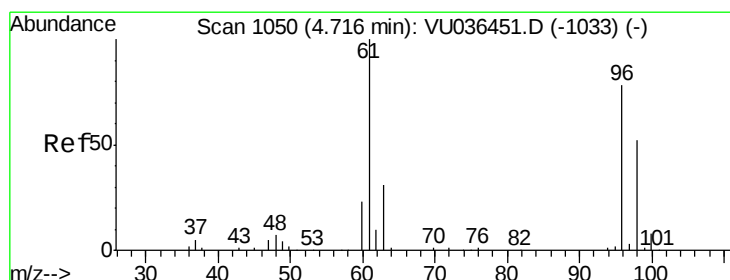
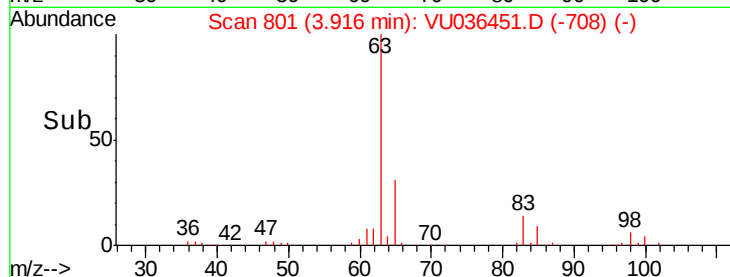
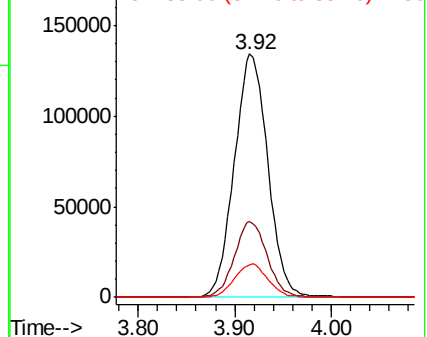
63 100

65 31.1 21.8 40.4

83 13.5 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: 50.250 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

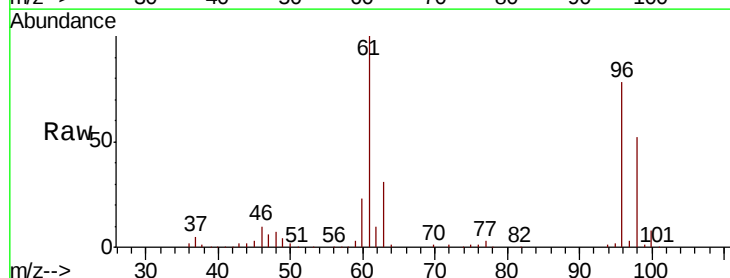
Tgt Ion: 96 Resp: 196524

Ion Ratio Lower Upper

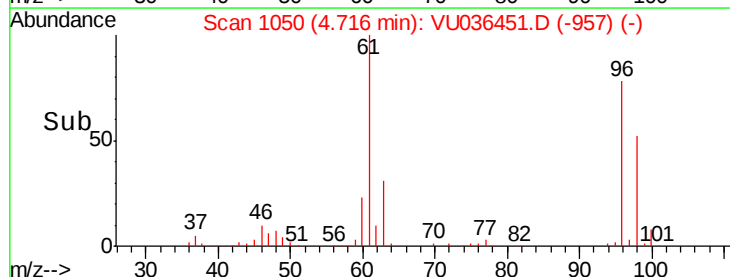
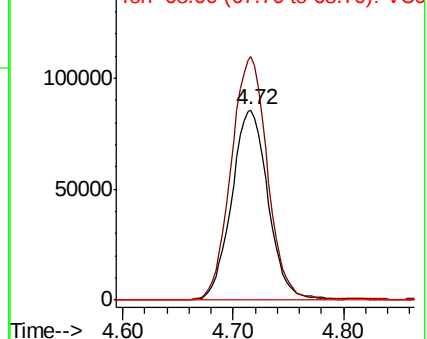
96 100

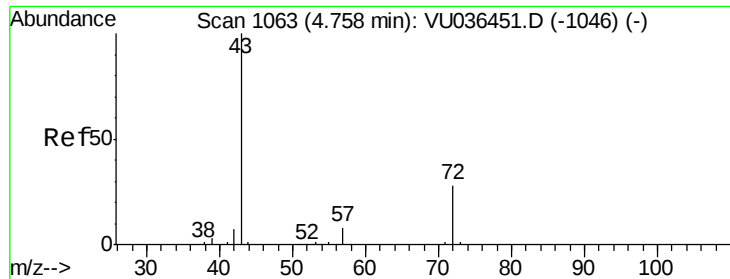
61 127.9 89.5 166.3

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: 97.663 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

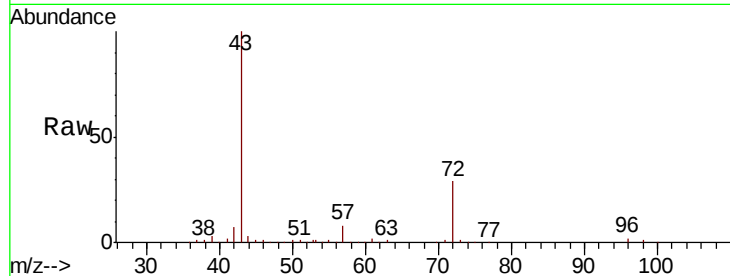
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 356227

Ion Ratio Lower Upper

43 100

72 28.3 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036451.D (-1046) (-)

Ion 72.00 (71.70 to 72.70): VU036451.D (-1046) (-)

4.76

150000

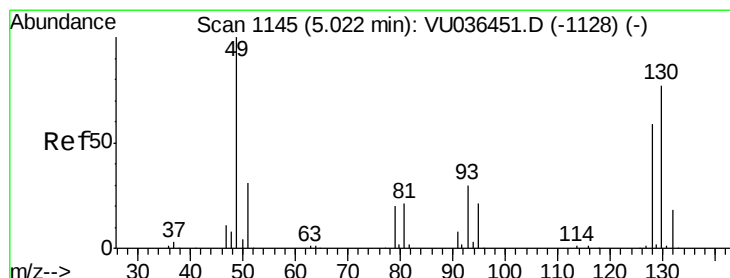
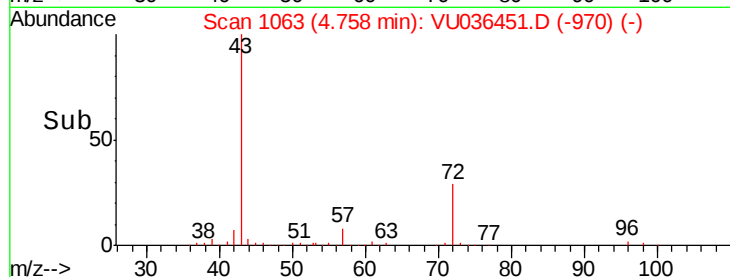
100000

50000

0

Time-->

4.70 4.80 4.90



#23

Bromochloromethane

Concen: 49.962 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Tgt Ion:128 Resp: 93193

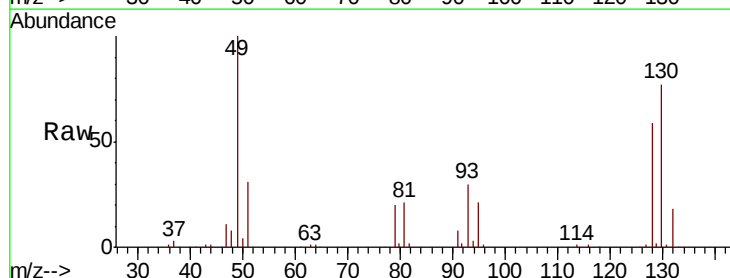
Ion Ratio Lower Upper

128 100

49 169.8 118.9 220.7

130 130.4 91.3 169.5

51 53.2 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): VU036451.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU036451.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU036451.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU036451.D (-1128) (-)

100000

80000

60000

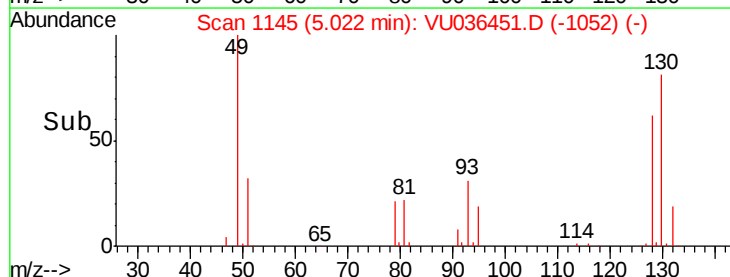
40000

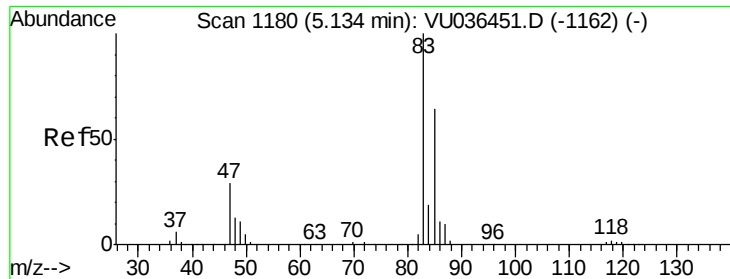
20000

0

Time-->

4.95 5.00 5.05 5.10

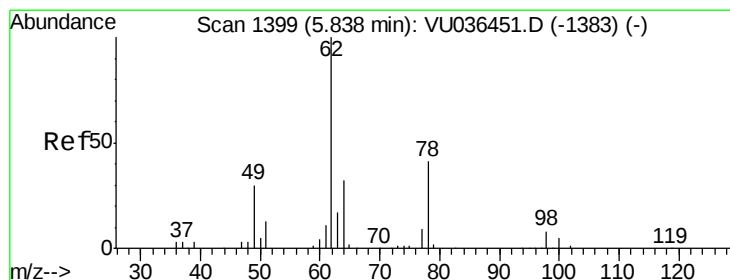
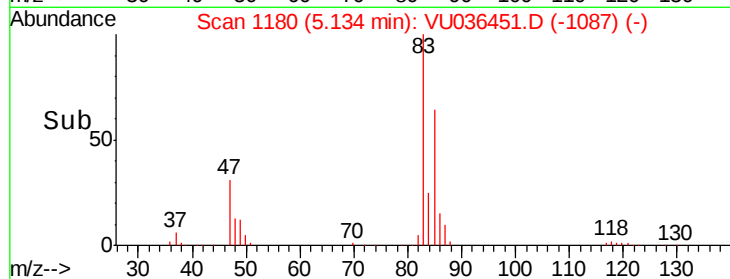
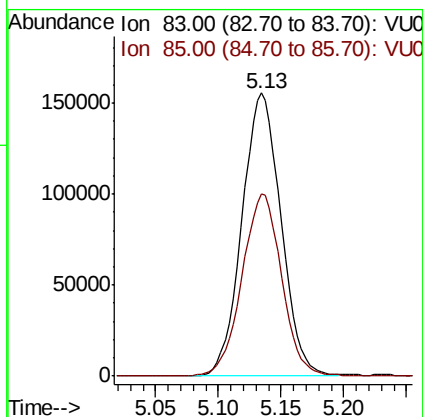
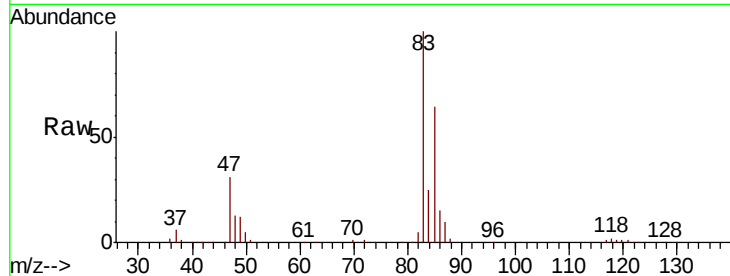




#25
Chloroform
Concen: 48.942 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

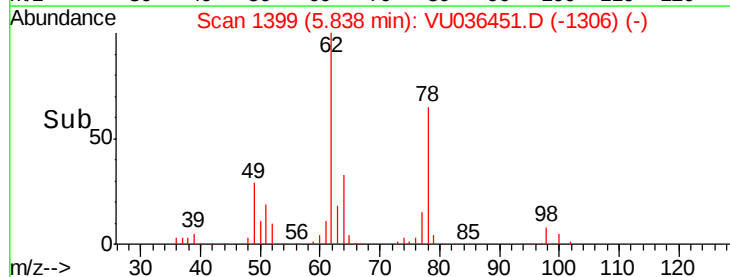
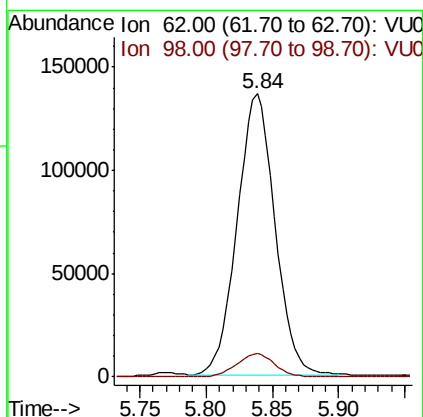
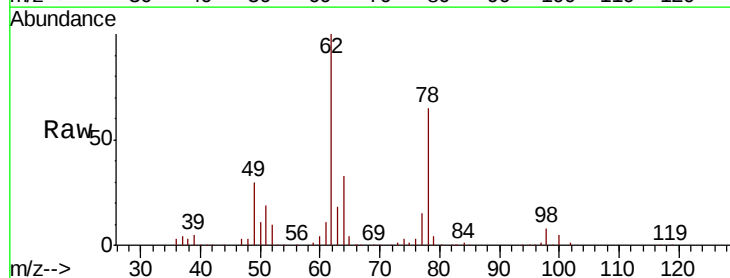
Instrument :
MSVOA_U
ClientSampleId :

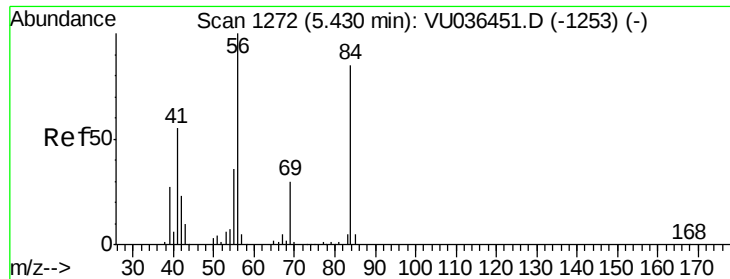
Tot Ion: 83 Resp: 336457
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.648 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 62 Resp: 271133
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8

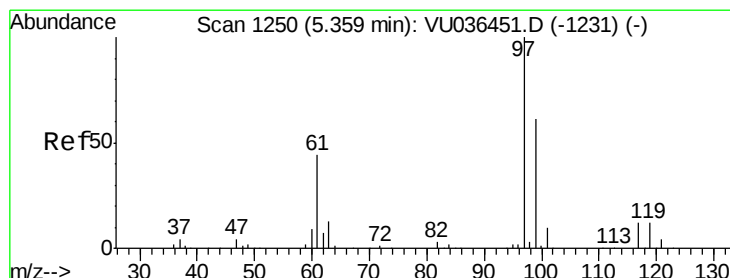
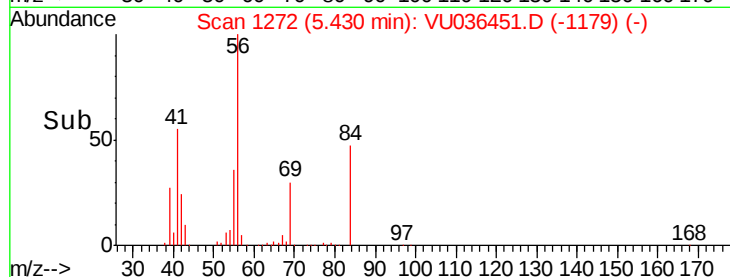
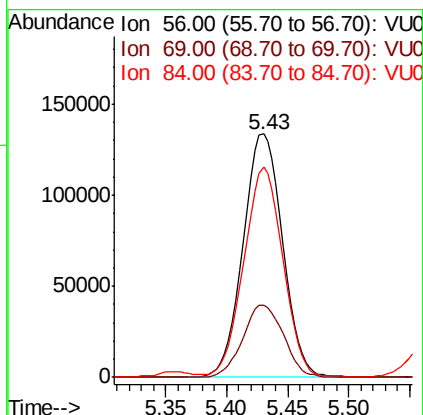
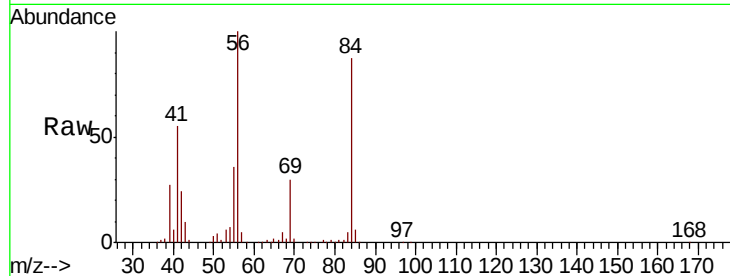




#29
Cyclohexane
Concen: 51.896 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

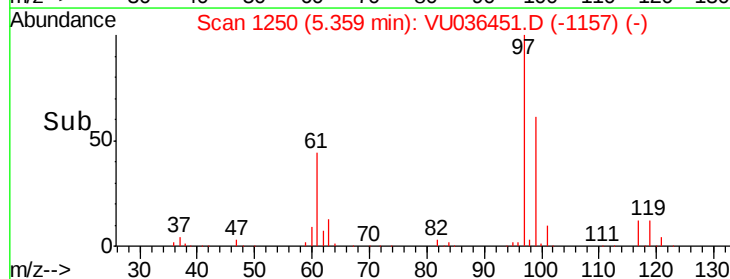
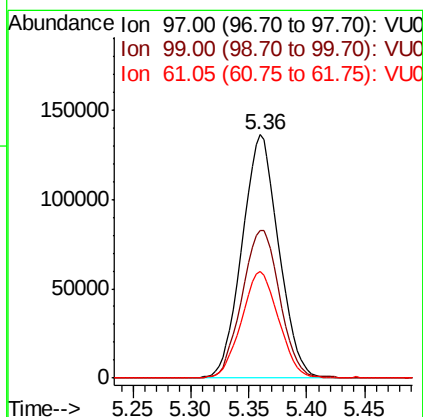
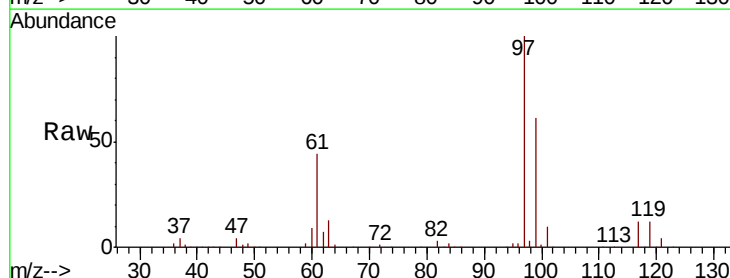
Instrument :
MSVOA_U
ClientSampleId :

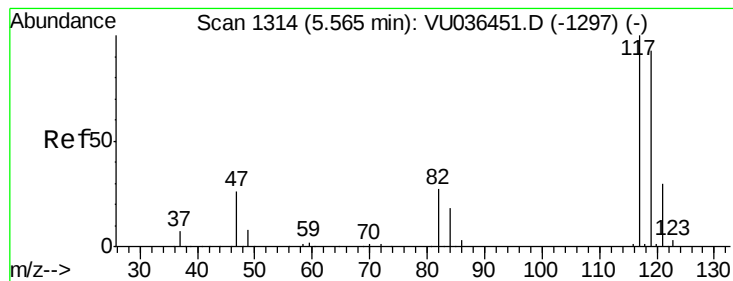
Tot Ion: 56 Resp: 299156
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 84.3 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 49.736 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 97 Resp: 300707
Ion Ratio Lower Upper
97 100
99 62.7 50.2 75.2
61 44.1 35.3 52.9





#31

Carbon tetrachloride

Concen: 50.174 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

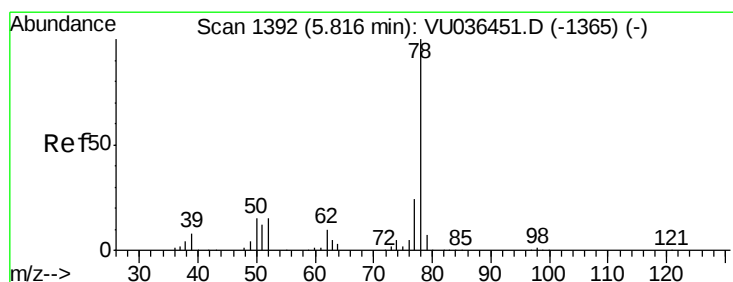
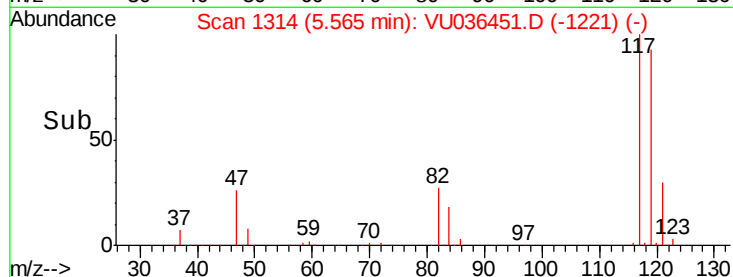
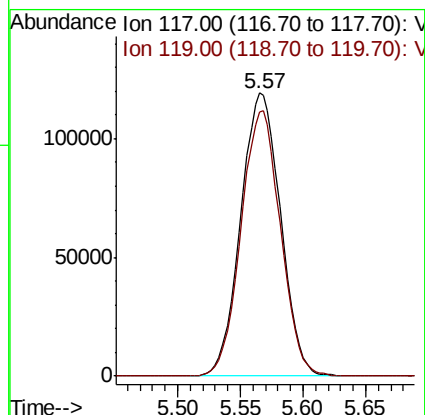
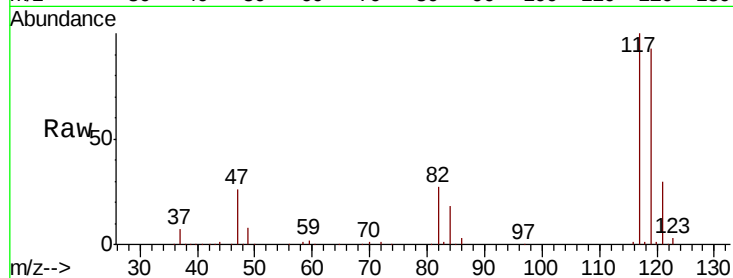
ClientSampled :

Tot Ion:117 Resp: 263566

Ion Ratio Lower Upper

117 100

119 92.9 74.3 111.5



#33

Benzene

Concen: 50.095 ug/L

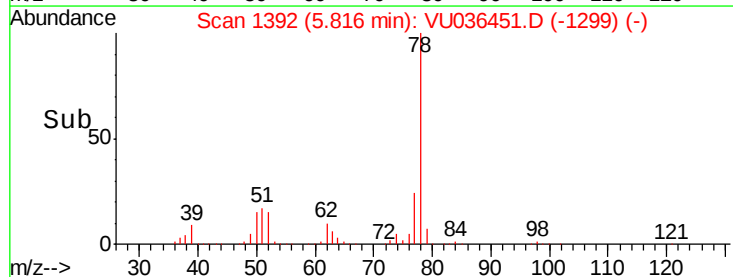
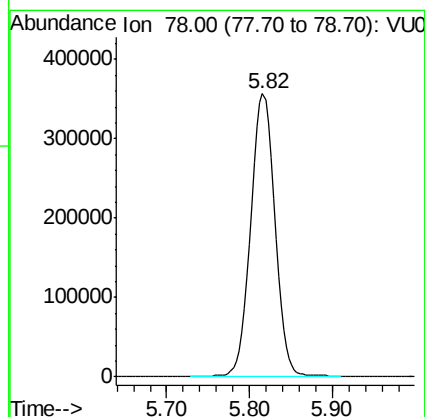
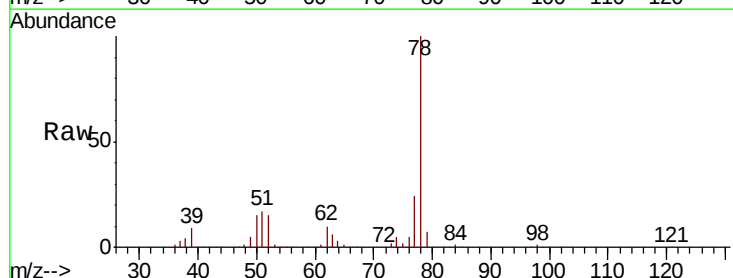
RT: 5.82 min Scan# 1392

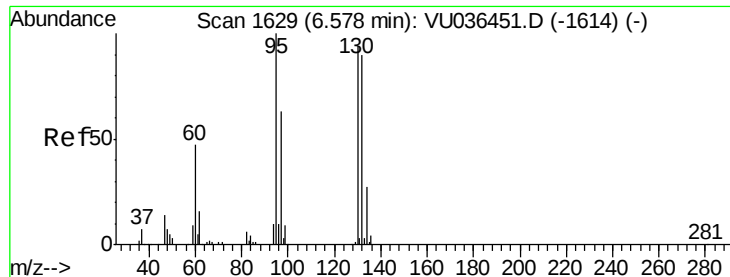
Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Tgt Ion: 78 Resp: 727452

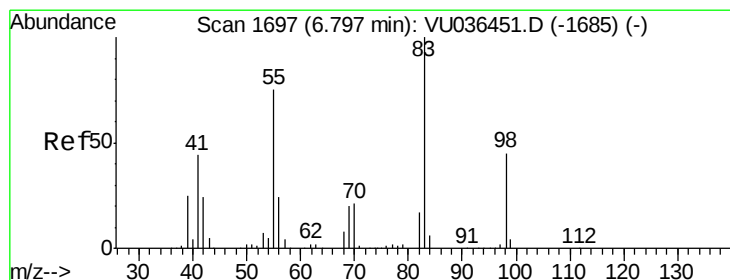
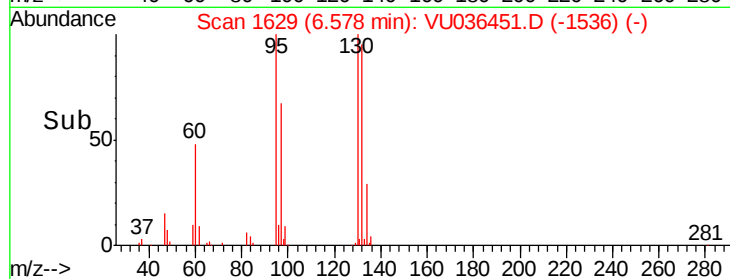
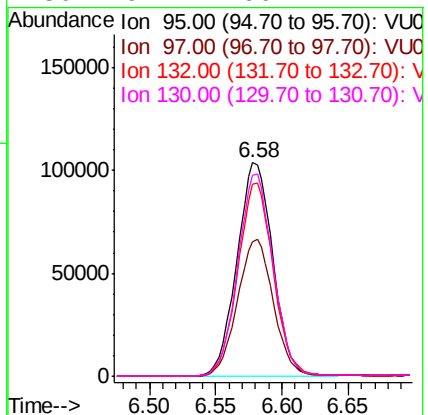
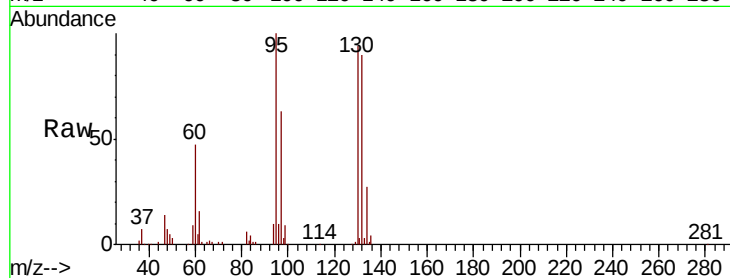




#34
 Trichloroethene
 Concen: 51.825 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

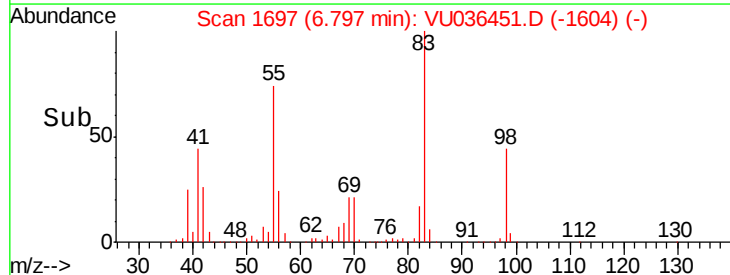
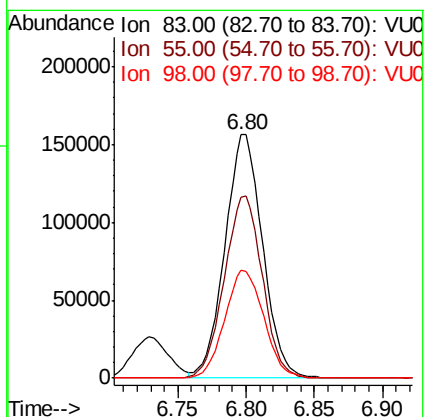
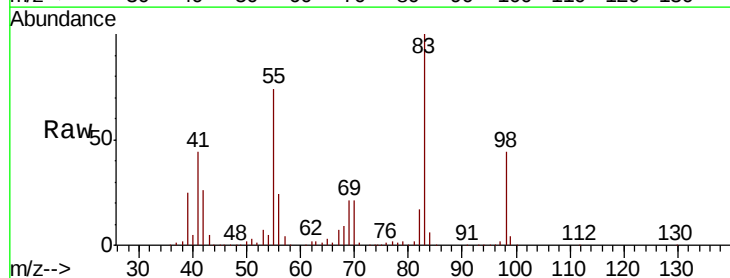
Instrument :
 MSVOA_U
 ClientSampleId :

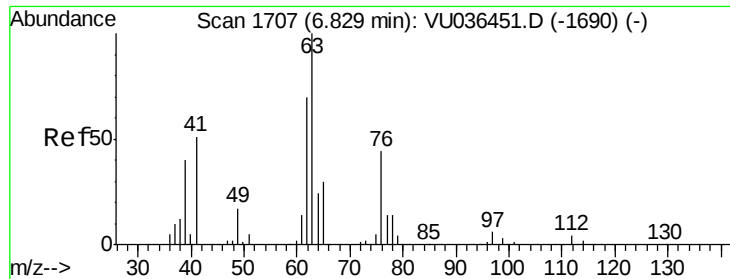
Tot Ion:	95	Resp:	195409
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.2	82.2
132	89.7	62.8	116.6
130	94.4	66.1	122.7



#35
 Methylcyclohexane
 Concen: 50.175 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

Tgt Ion:	83	Resp:	300132
Ion	Ratio	Lower	Upper
83	100		
55	74.9	59.9	89.9
98	45.5	36.4	54.6

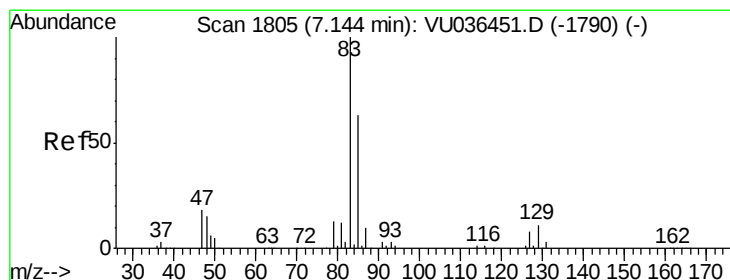
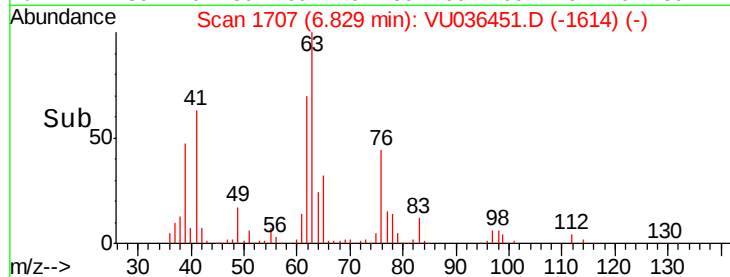
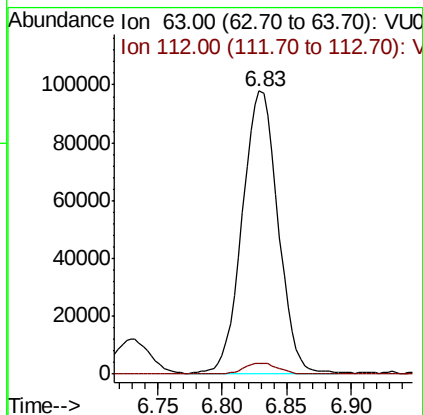
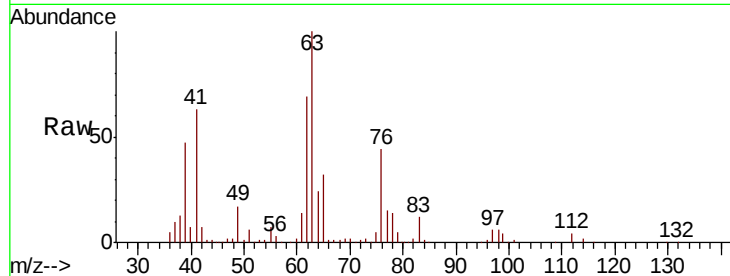




#37
 1,2-Dichloropropane
 Concen: 48.677 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

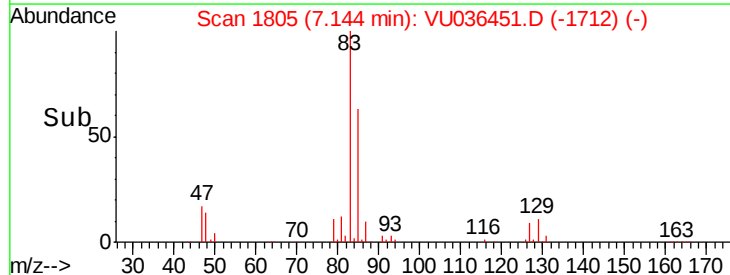
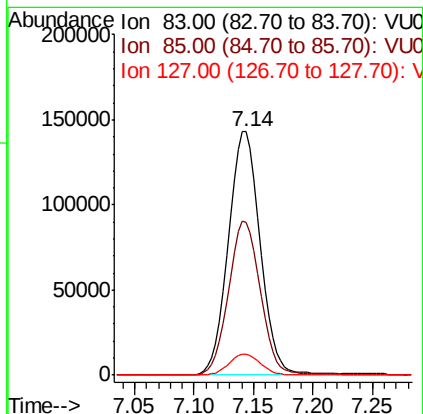
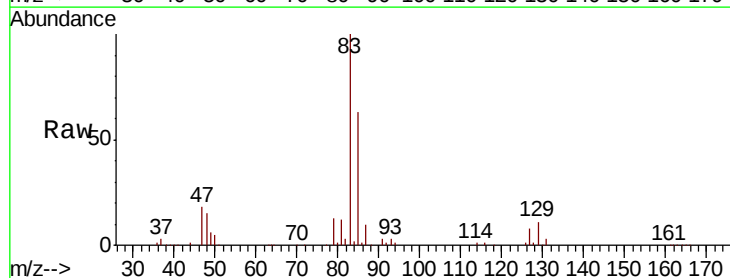
Instrument :
 MSVOA_U
 ClientSampled :

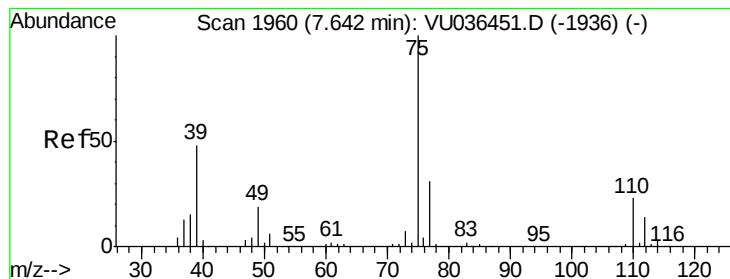
Tot Ion: 63 Resp: 190017
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 48.167 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

Tgt Ion: 83 Resp: 264944
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.8
 127 8.4 6.7 10.1



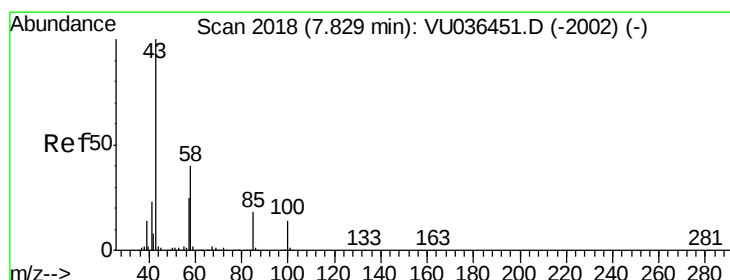
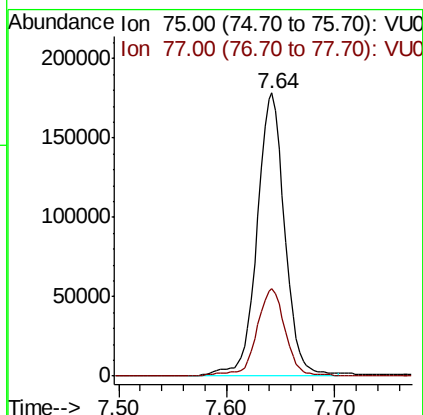
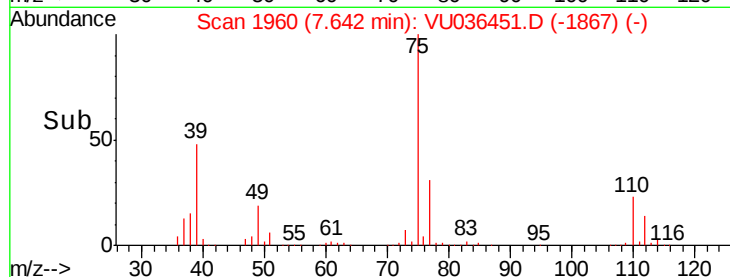
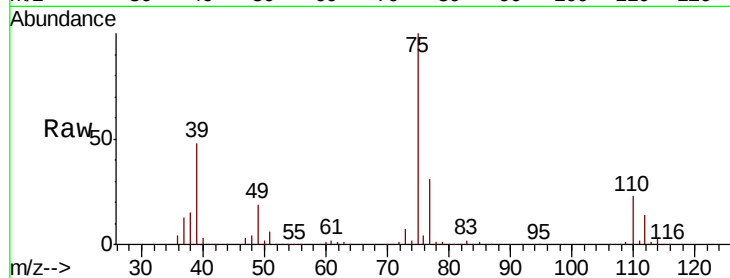


#39

cis-1,3-Dichloropropene
Concen: 48.320 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Instrument :
MSVOA_U
ClientSampleId :

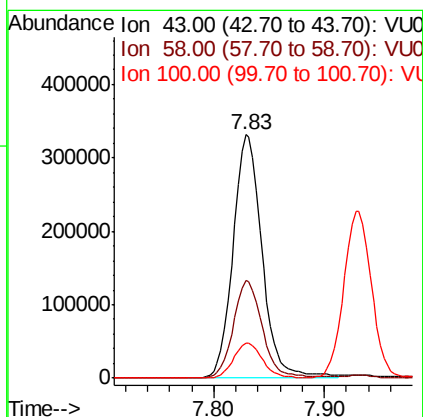
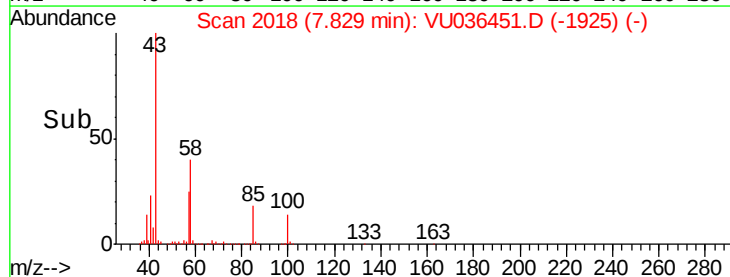
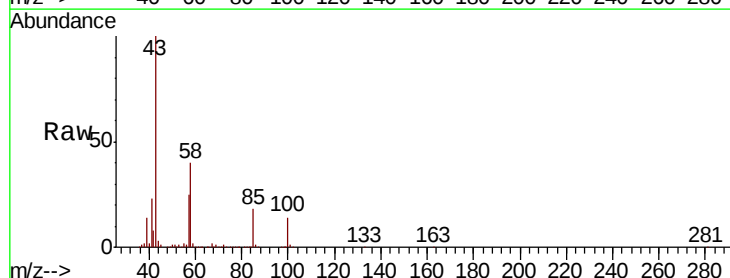
Tot Ion: 75 Resp: 317733
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4

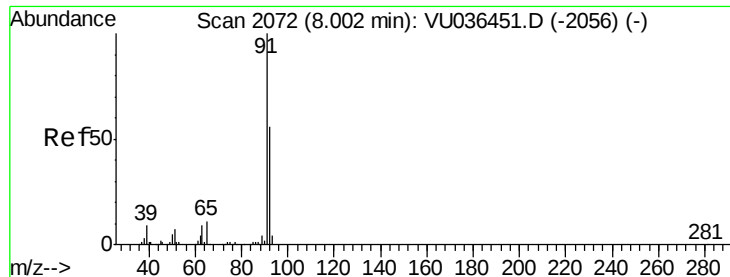


#40

4-Methyl-2-pentanone
Concen: 91.988 ug/L
RT: 7.83 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 43 Resp: 605951
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0
100 14.2 11.4 17.0





#42

Toluene

Concen: 49.511 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

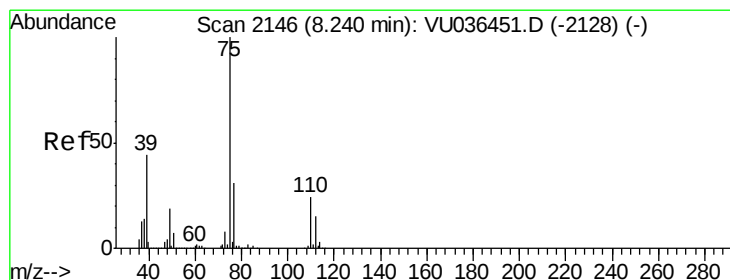
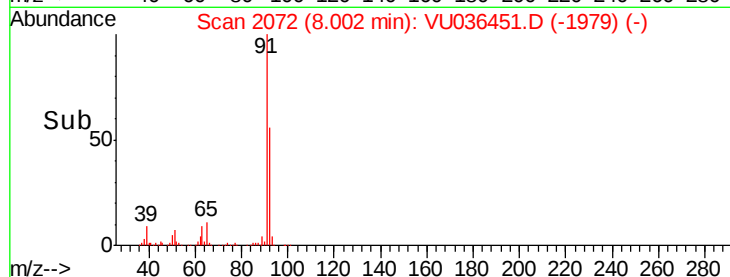
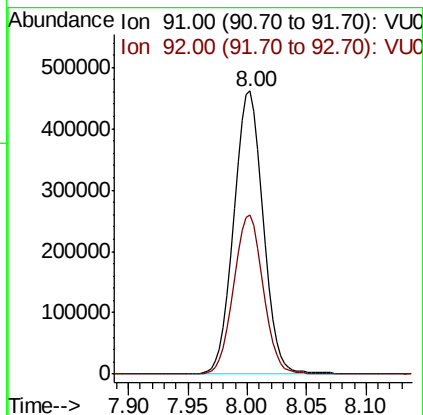
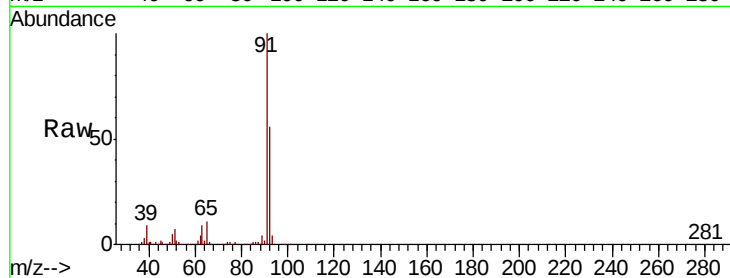
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 791657

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 48.270 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036451.D

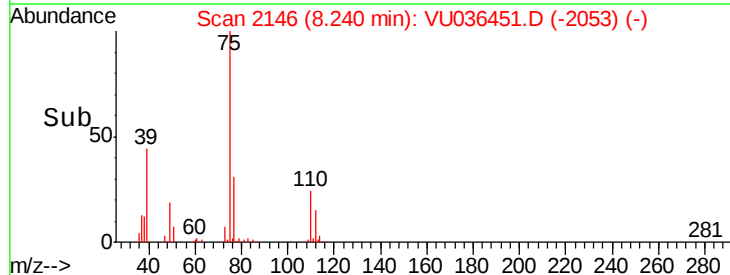
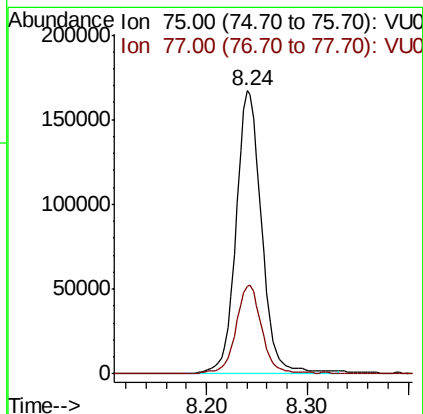
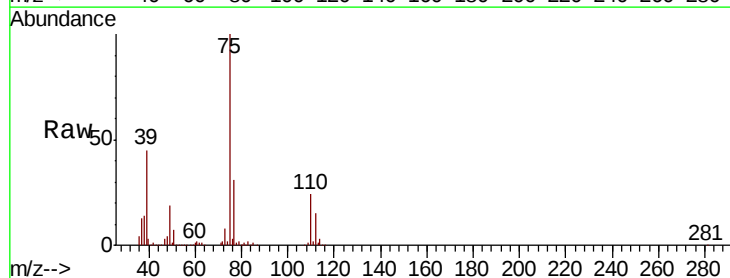
Acq: 14 Jan 2020 17:24

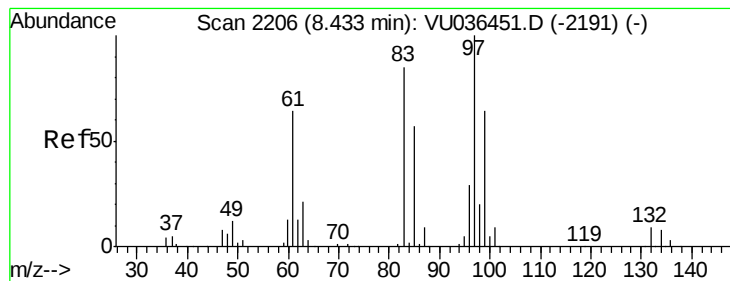
Tgt Ion: 75 Resp: 294372

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 49.685 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 181273

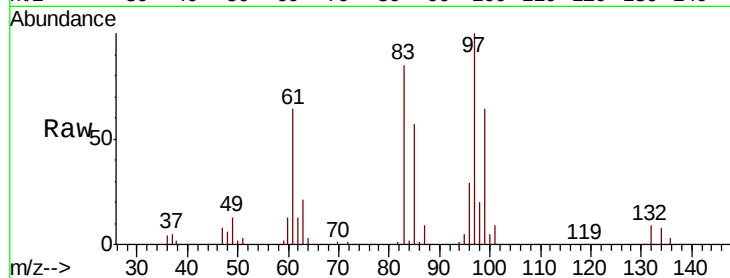
Ion Ratio Lower Upper

97 100

99 63.8 44.7 82.9

83 84.8 59.4 110.2

85 56.7 39.7 73.7

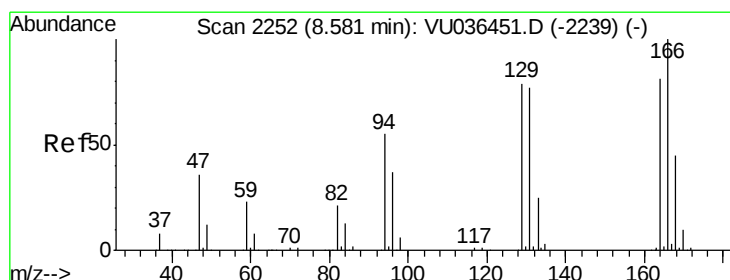
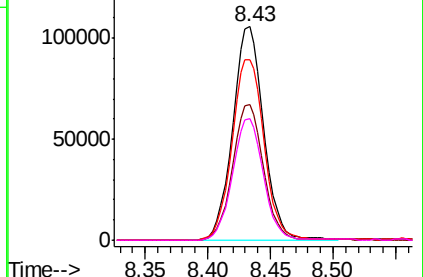
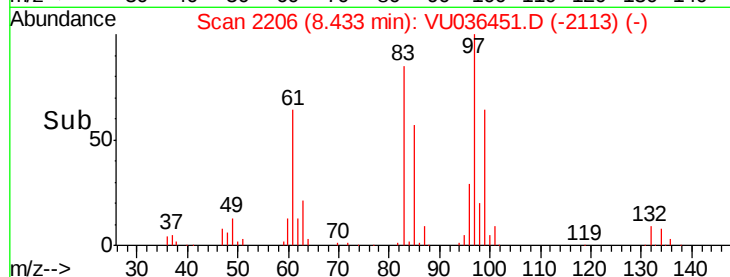


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.537 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Tgt Ion: 164 Resp: 133234

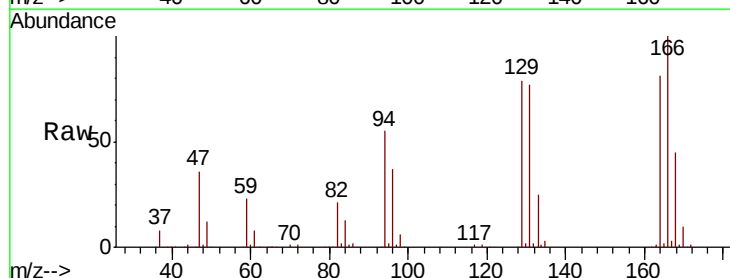
Ion Ratio Lower Upper

164 100

129 97.3 68.1 126.5

131 95.1 66.6 123.6

166 123.6 86.5 160.7

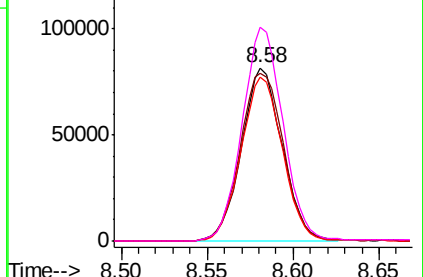
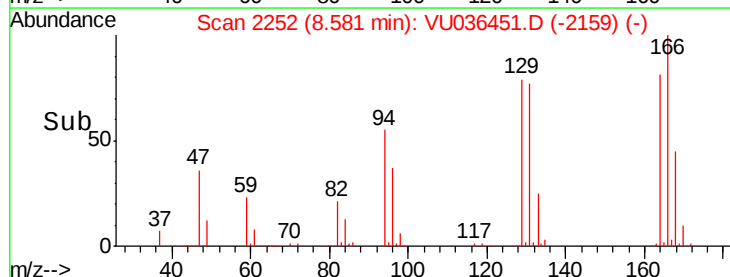


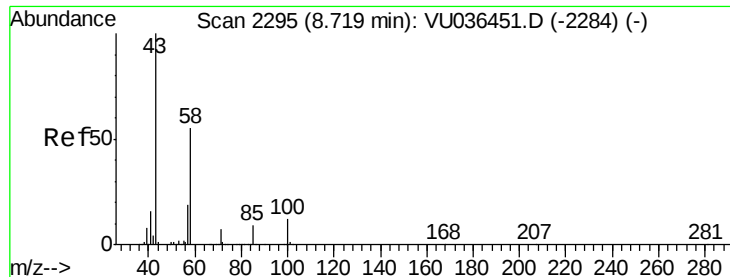
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

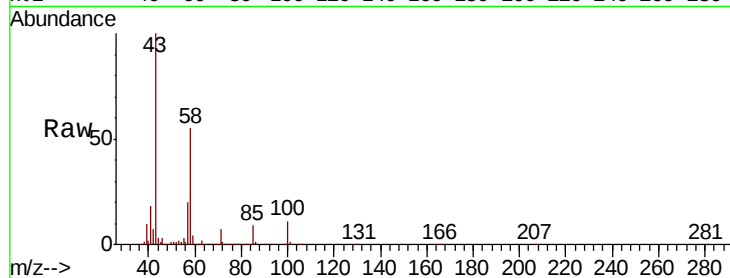




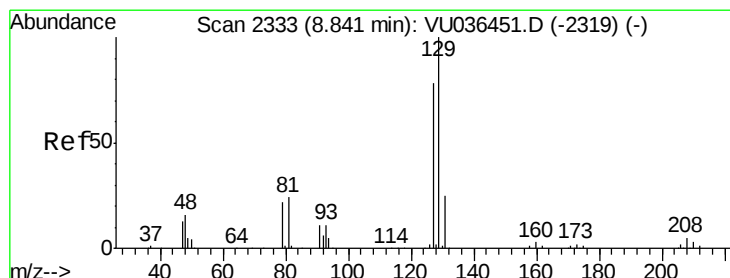
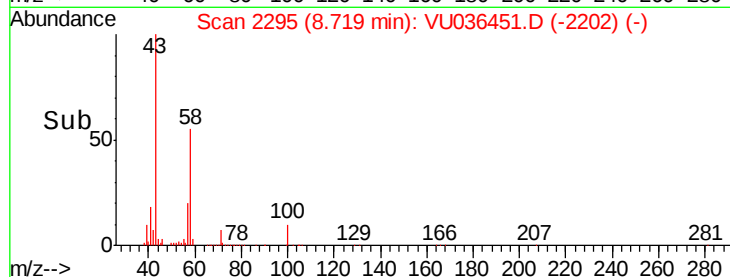
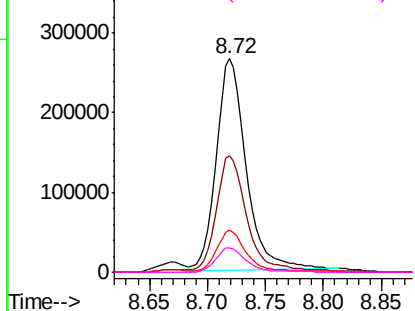
#48
2-Hexanone
Concen: 95.214 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 482026
Ion Ratio Lower Upper
43 100
58 54.6 43.7 65.5
57 18.4 14.7 22.1
100 11.7 9.4 14.0

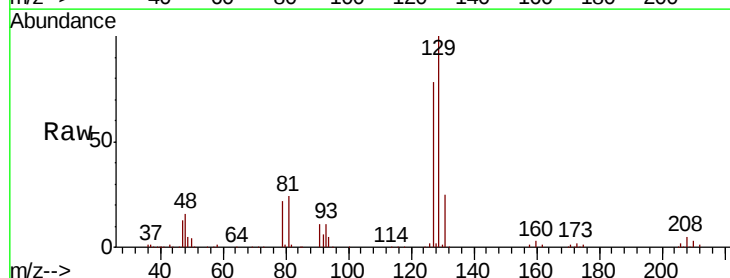


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

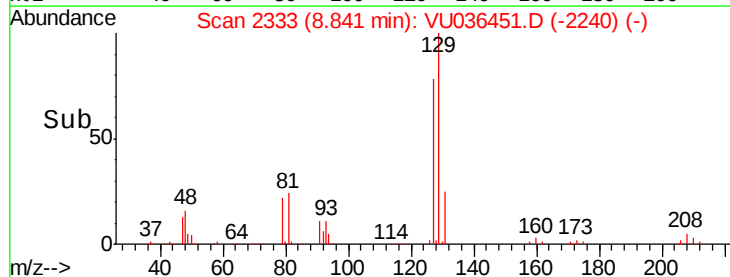
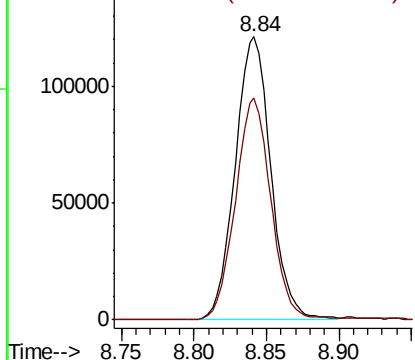


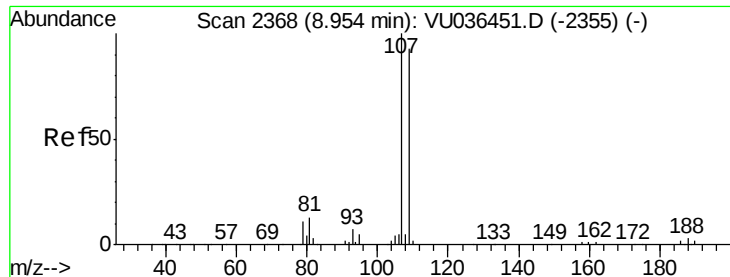
#49
Dibromochloromethane
Concen: 46.775 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion: 129 Resp: 207587
Ion Ratio Lower Upper
129 100
127 78.2 54.7 101.7



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

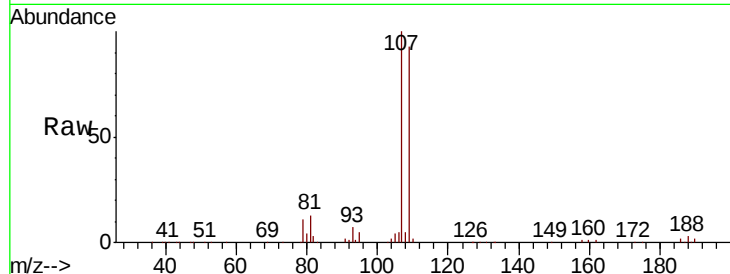




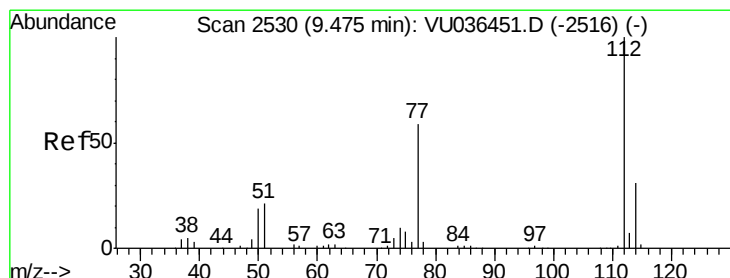
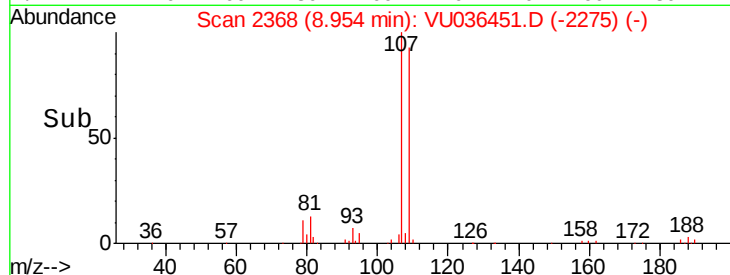
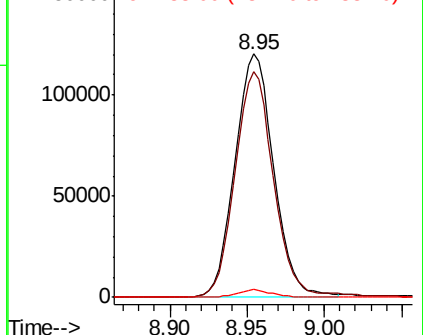
#50
1,2-Dibromoethane
Concen: 49.454 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	65.0	120.8
188	3.3	2.6	4.0

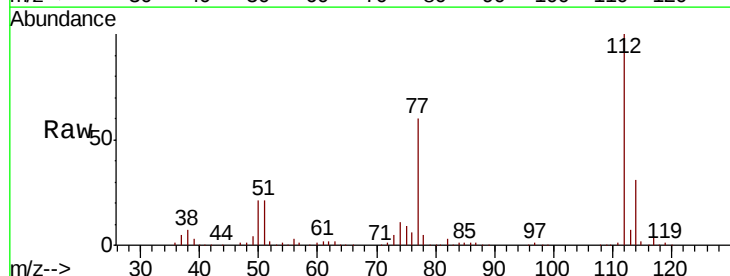


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

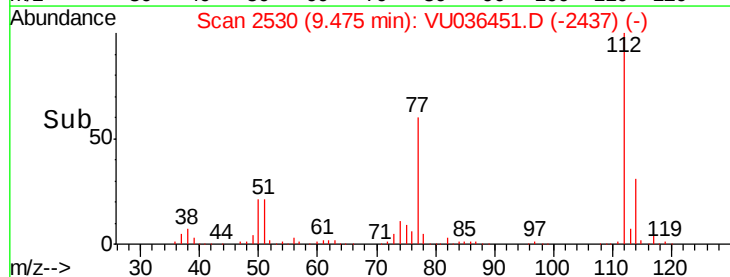
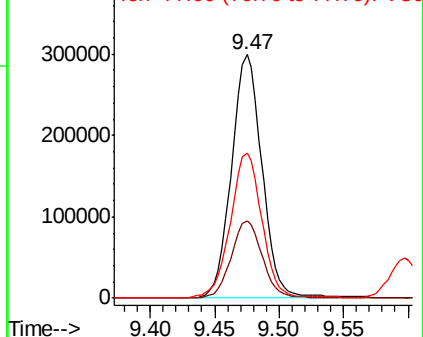


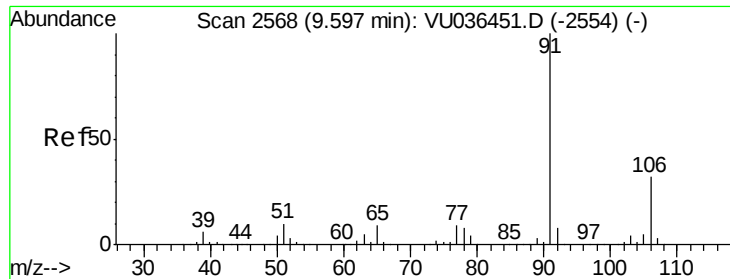
#51
Chlorobenzene
Concen: 49.061 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036451.D
Acq: 14 Jan 2020 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	59.8	47.8	71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.653 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

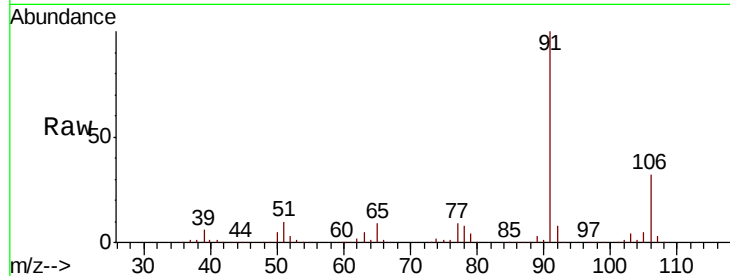
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 881624

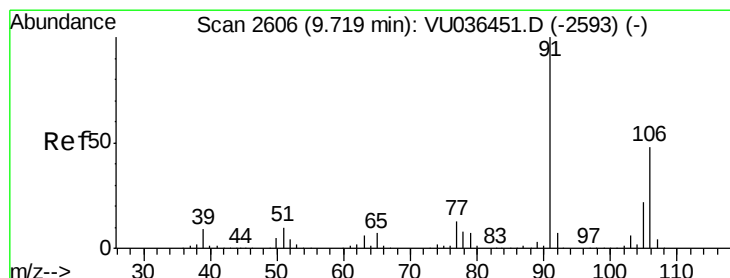
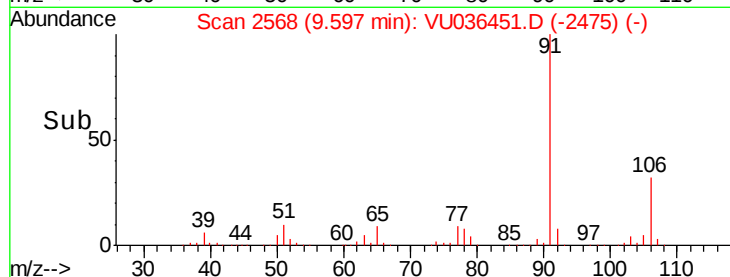
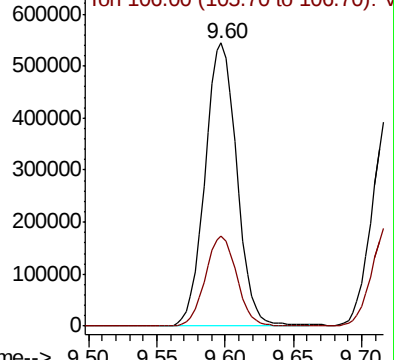
Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VU036451.D (-2554) (-)



#53

m,p-Xylene

Concen: 48.801 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036451.D

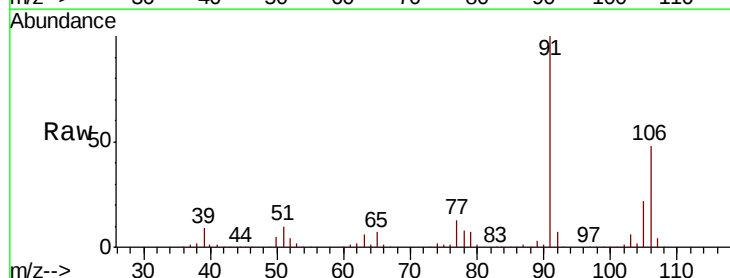
Acq: 14 Jan 2020 17:24

Tgt Ion: 106 Resp: 327804

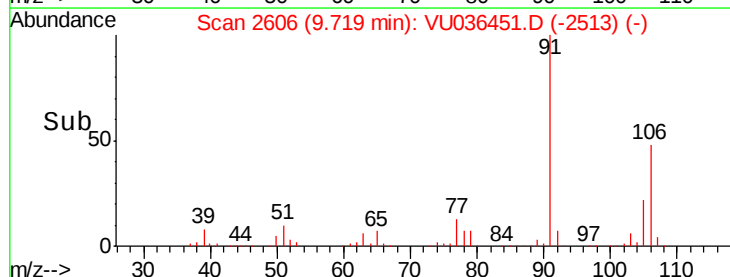
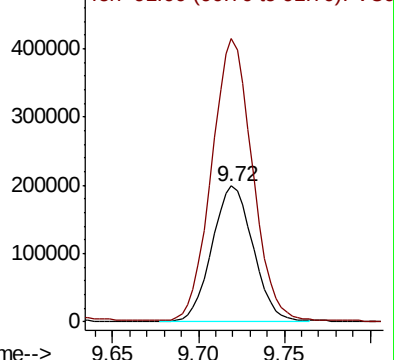
Ion Ratio Lower Upper

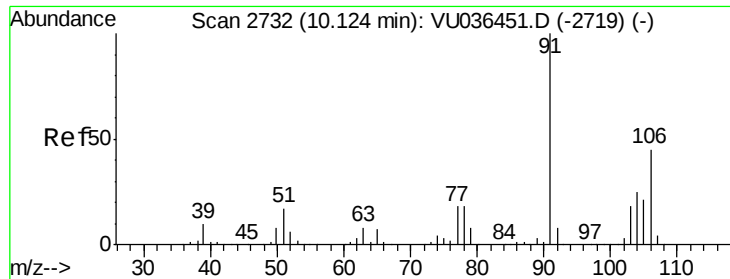
106 100

91 208.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036451.D (-2593) (-)





#54

o-xylene

Concen: 48.360 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

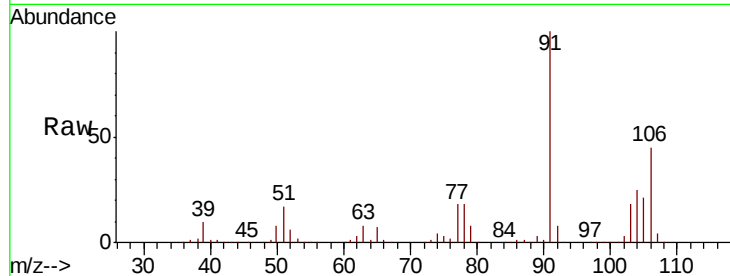
ClientSampled :

Tot Ion:106 Resp: 326548

Ion Ratio Lower Upper

106 100

91 223.4 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

500000

400000

300000

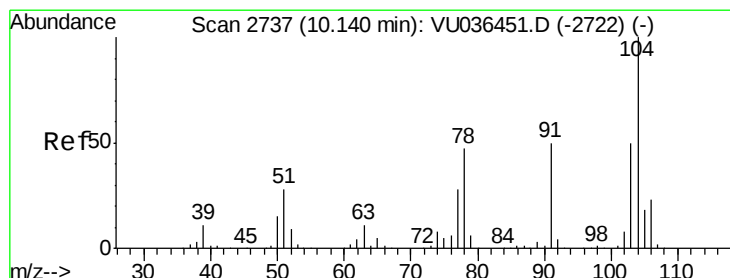
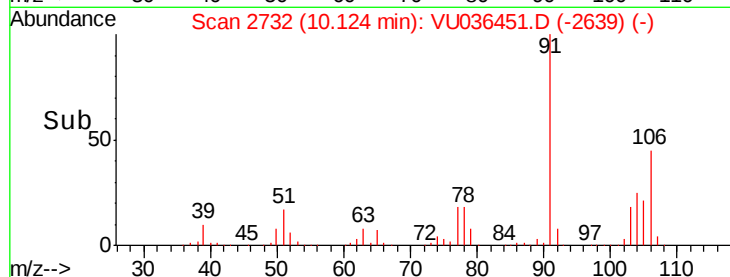
200000

100000

0

10.10 10.12 10.20

Time-->



#55

Styrene

Concen: 48.161 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036451.D

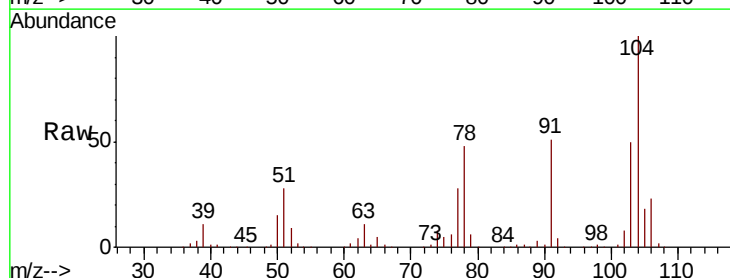
Acq: 14 Jan 2020 17:24

Tgt Ion:104 Resp: 547199

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

400000

300000

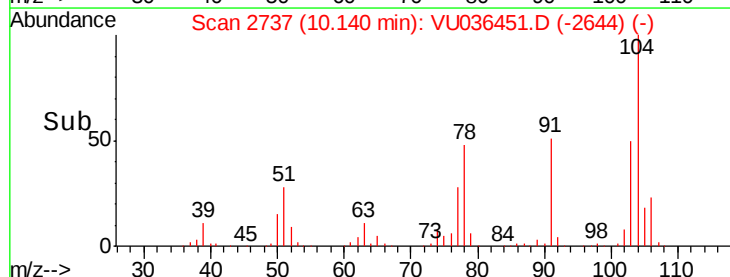
200000

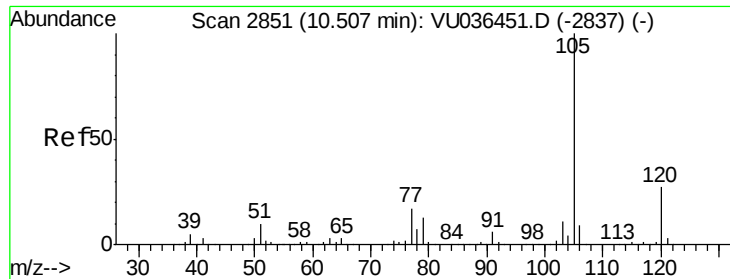
100000

0

10.10 10.14 10.20

Time-->





#56

Isopropylbenzene

Concen: 48.558 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

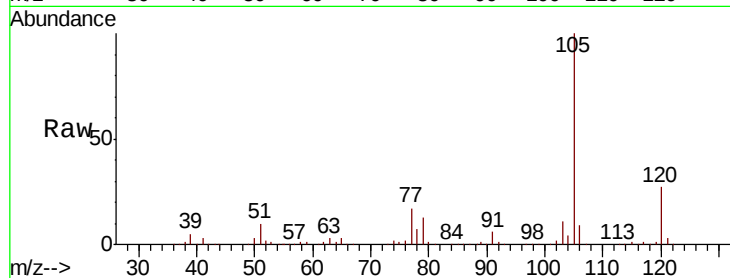
Tot Ion:105 Resp: 853186

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

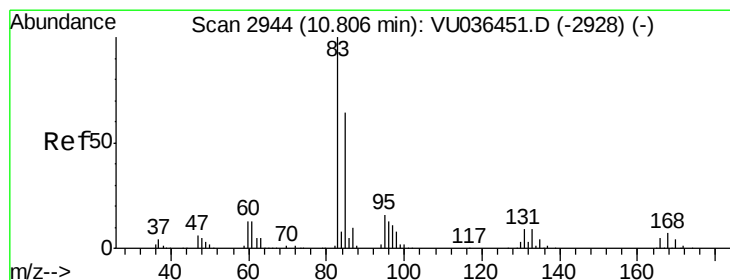
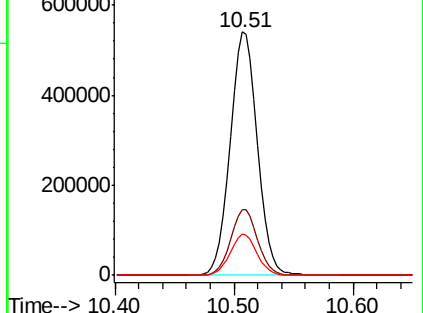
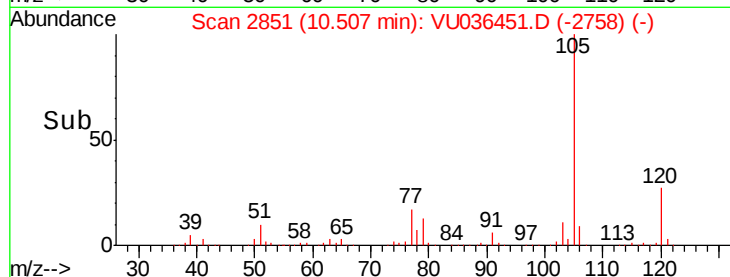
77 16.8 13.4 20.2



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: 47.370 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

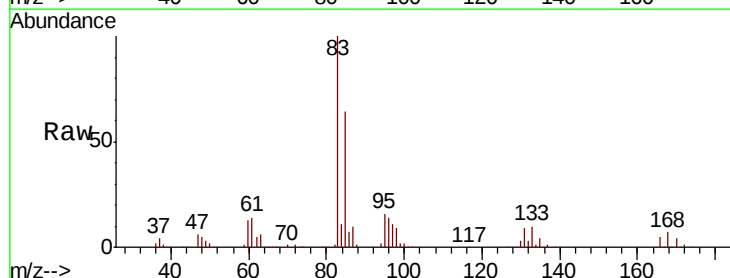
Tgt Ion: 83 Resp: 325726

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

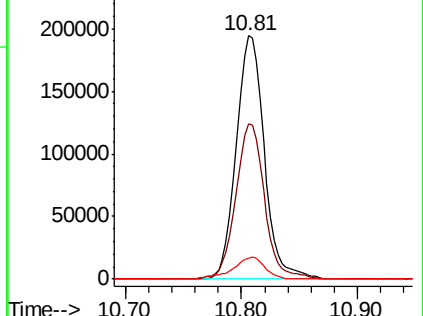
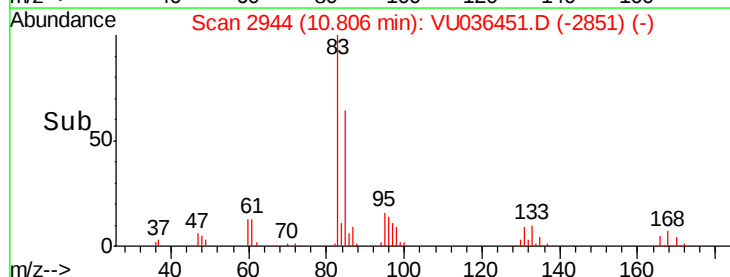
131 8.8 7.0 10.6

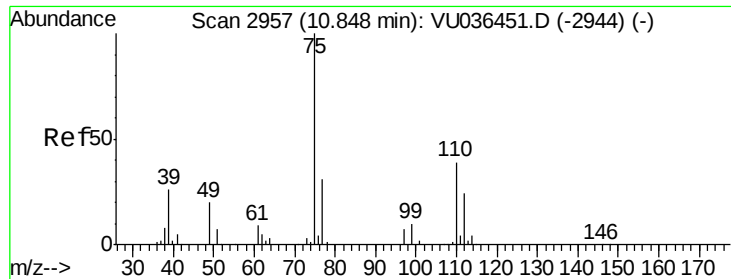


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.865 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

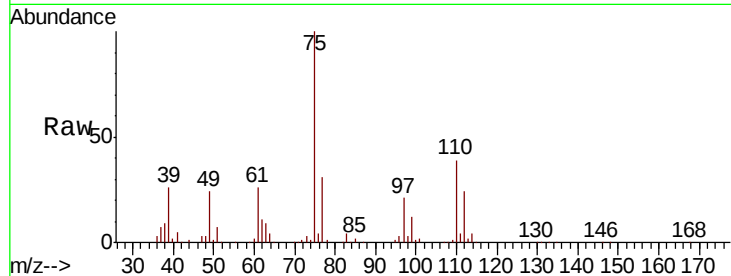
ClientSampleId :

Tot Ion: 75 Resp: 262839

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU036451.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036451.D (-2944) (-)

10.85

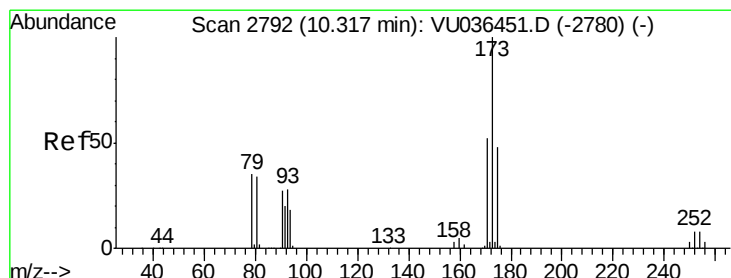
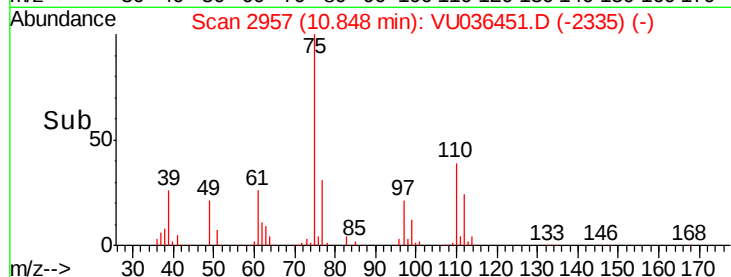
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 45.477 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

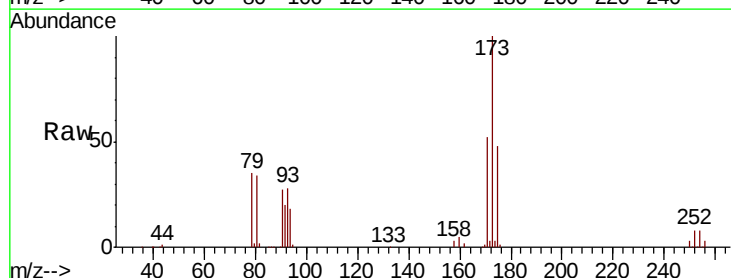
Tgt Ion:173 Resp: 149511

Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

254 7.9 6.3 9.5



Abundance Ion 173.00 (172.70 to 173.70): VU036451.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036451.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036451.D (-2780) (-)

10.32

120000

100000

80000

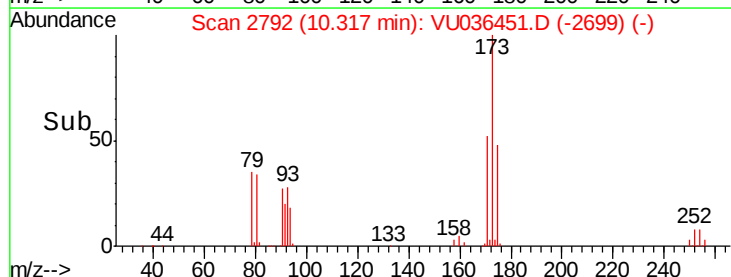
60000

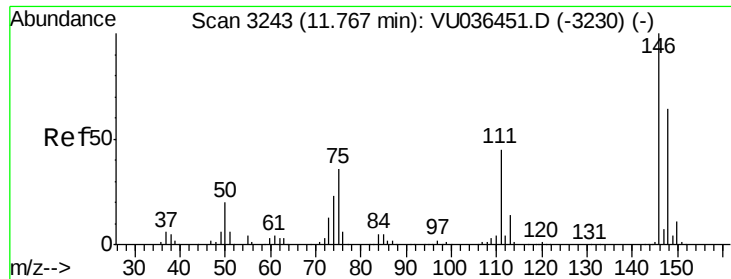
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.392 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampled :

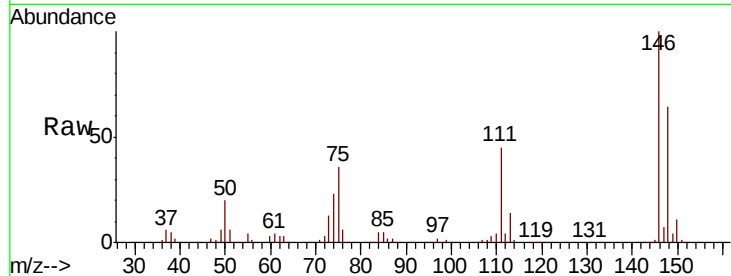
Tot Ion:146 Resp: 349667

Ion Ratio Lower Upper

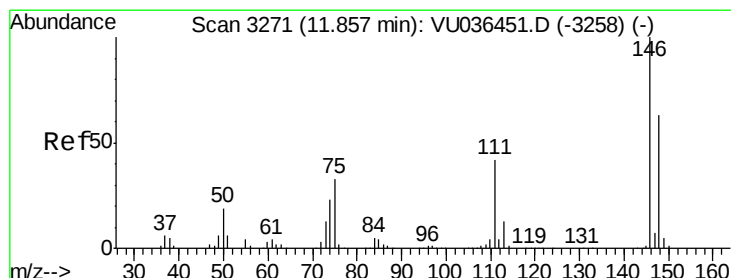
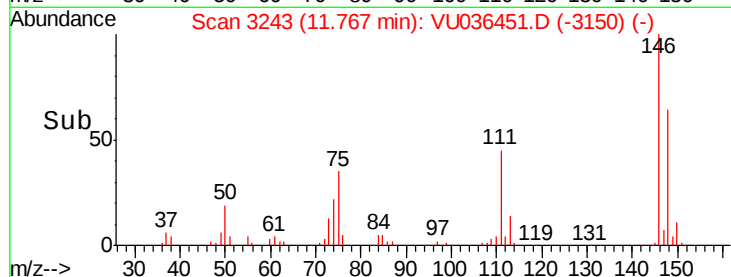
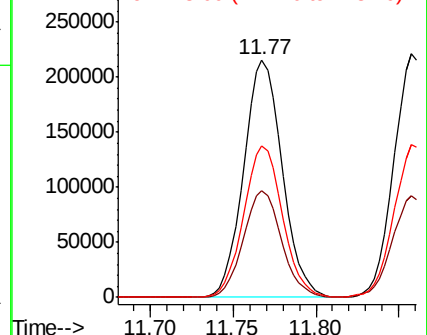
146 100

111 44.7 31.3 58.1

148 63.8 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: 49.419 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

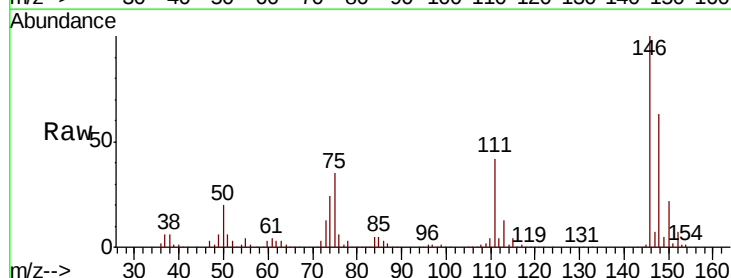
Tgt Ion:146 Resp: 355726

Ion Ratio Lower Upper

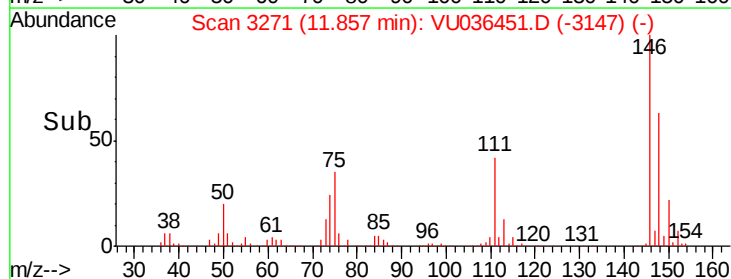
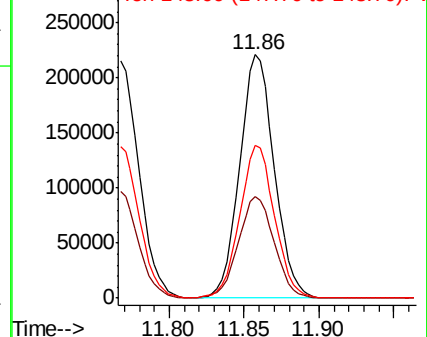
146 100

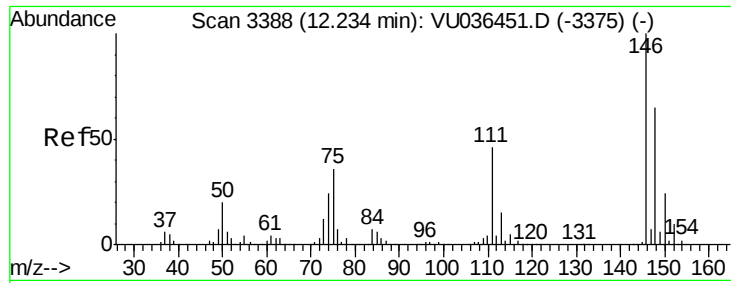
111 41.8 29.3 54.3

148 62.5 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: 48.652 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

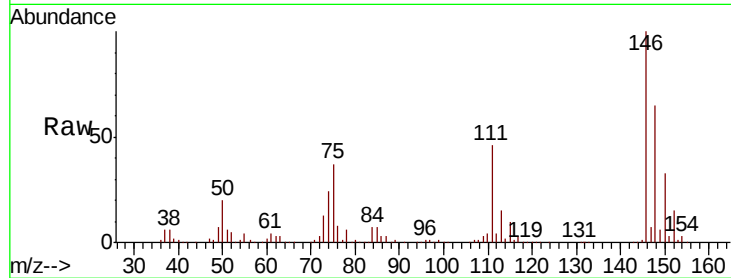
Tot Ion:146 Resp: 351929

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

148 65.4 52.3 78.5

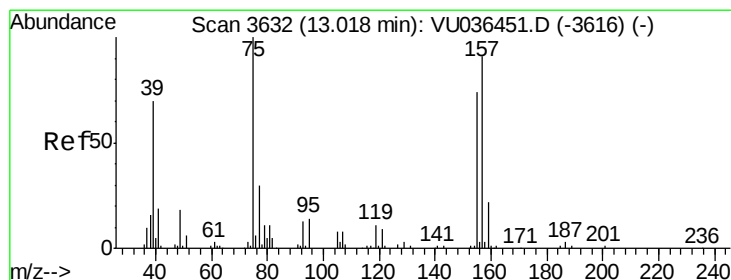
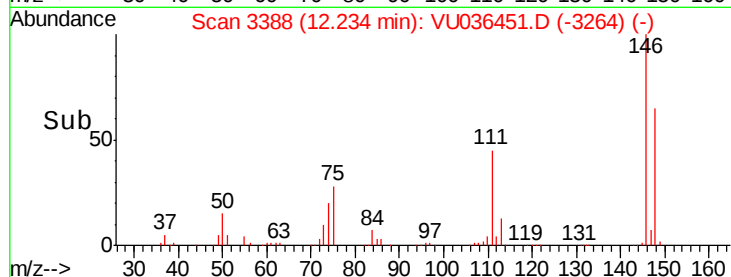
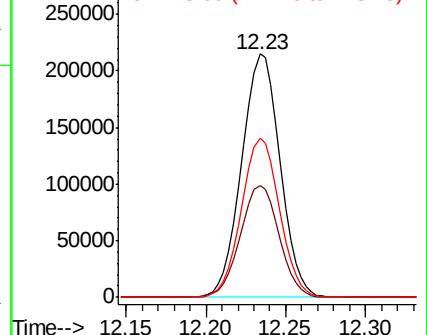


Abundance

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: 45.117 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

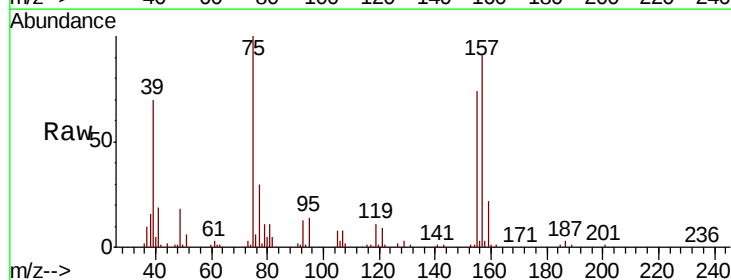
Tgt Ion: 75 Resp: 75438

Ion Ratio Lower Upper

75 100

155 73.9 59.1 88.7

157 90.9 72.7 109.1

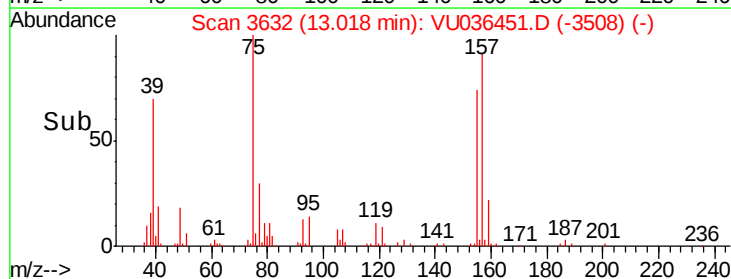
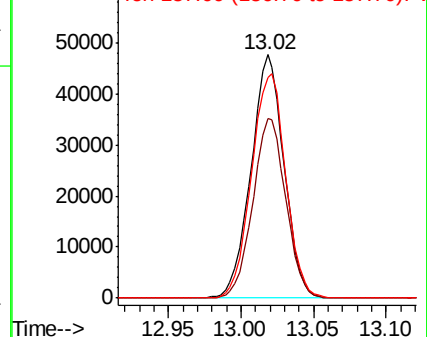


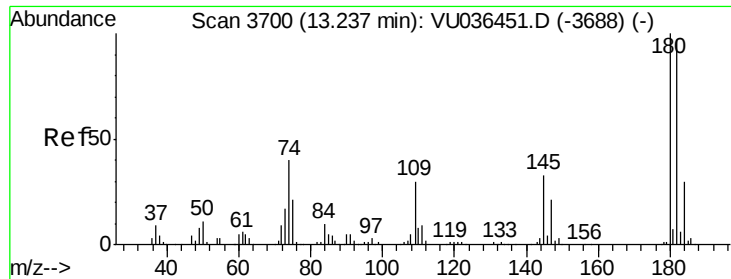
Abundance

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

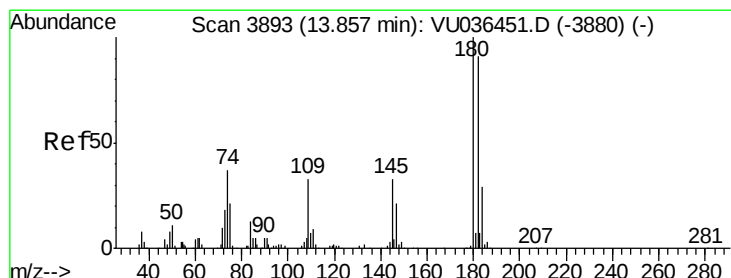
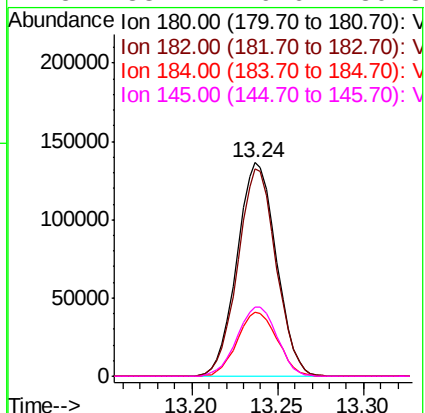
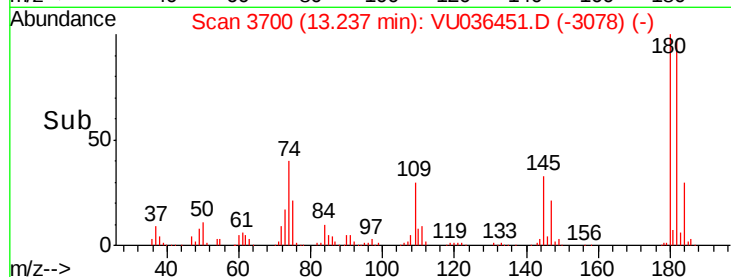
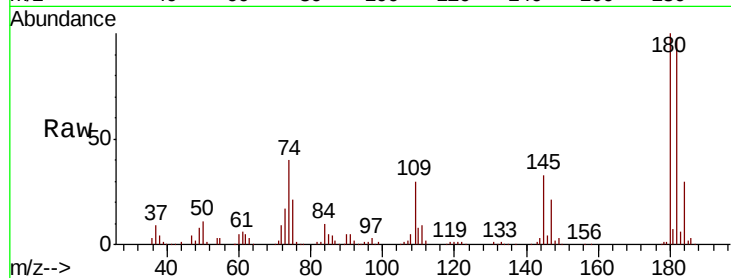




#67
 1,3,5-Trichlorobenzene
 Concen: 45.866 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

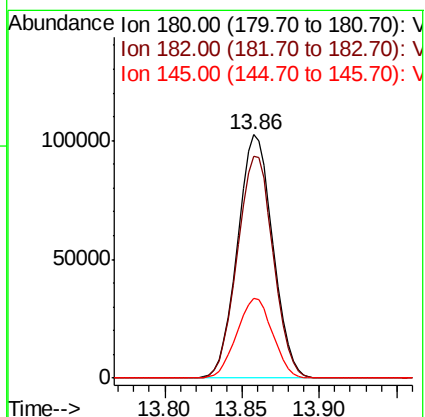
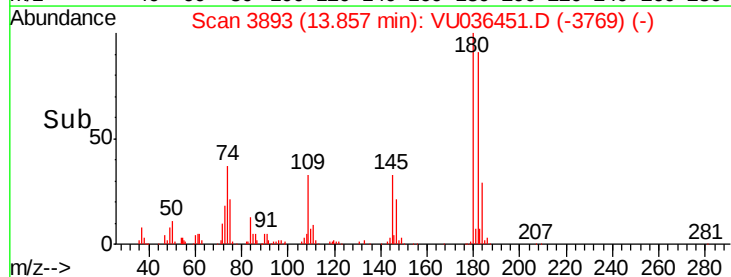
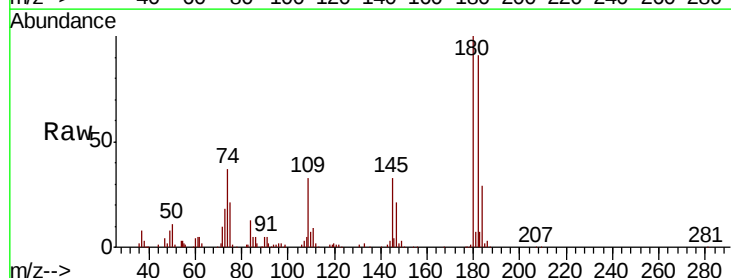
Instrument :
 MSVOA_U
 ClientSampleId :

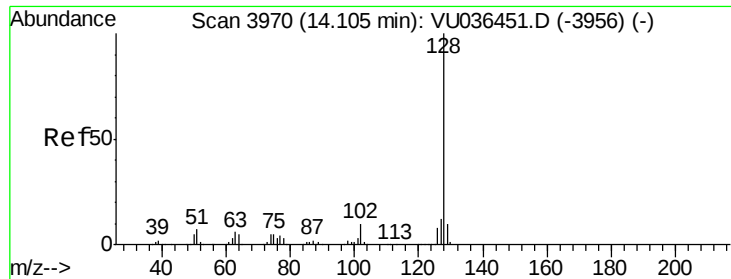
Tot Ion:180	Resp:	216261
Ion Ratio	Lower	Upper
180	100	
182	94.7	75.8 113.6
184	30.5	24.4 36.6
145	33.2	26.6 39.8



#68
 1,2,4-trichlorobenzene
 Concen: 45.661 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036451.D
 Acq: 14 Jan 2020 17:24

Tgt Ion:180	Resp:	162537
Ion Ratio	Lower	Upper
180	100	
182	92.6	74.1 111.1
145	33.3	26.6 40.0





#69

Naphthalene

Concen: 43.087 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

Instrument :

MSVOA_U

ClientSampleId :

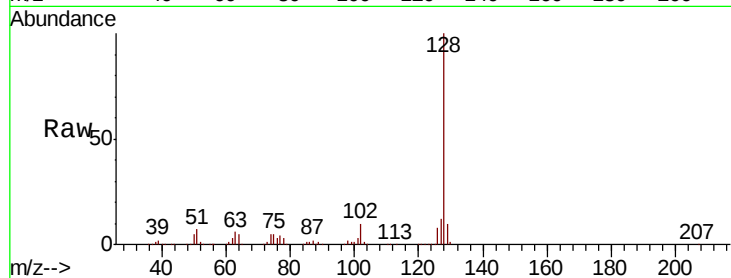
Tot Ion:128 Resp: 519313

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

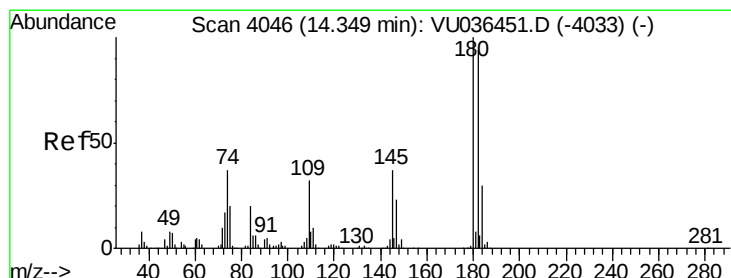
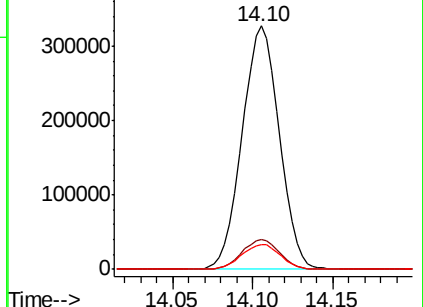
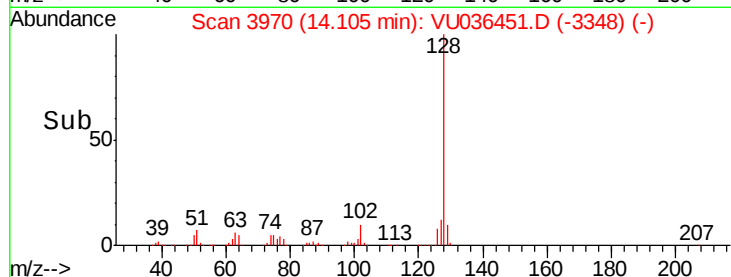
129 10.7 8.6 12.8



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: 43.607 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036451.D

Acq: 14 Jan 2020 17:24

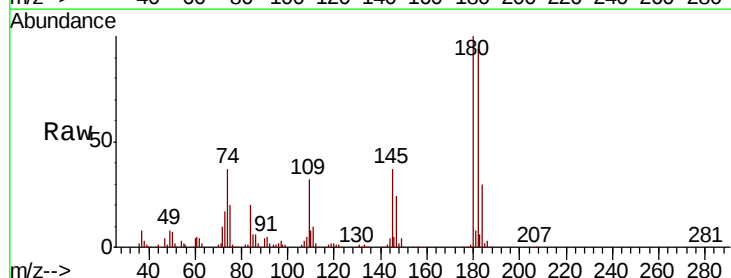
Tgt Ion:180 Resp: 161472

Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

145 36.5 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

