

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036097.D
 Acq On : 10 Dec 2019 21:13
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 11 07:28:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	325833	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	344588	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	175088	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147823	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.93	69	133785	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.59	63	214515	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.69	46	292038	59.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.02%
24) Chloroform-d	5.11	84	235891	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.75	65	119361	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.77	84	466055	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.73	67	144479	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.93	98	442445	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
43) trans-1,3-Dichloropropene-	8.21	79	57442	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.67	63	264569	66.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.40%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	132095	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	164982	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	157841	4.928	ug/L 95
3) Chloromethane	1.54	50	165342	5.287	ug/L 99
5) Vinyl chloride	1.62	62	195114	5.980	ug/L 98
6) Bromomethane	1.87	94	106480	4.061	ug/L 100
8) Chloroethane	1.95	64	120552	4.856	ug/L 99
9) Trichlorofluoromethane	2.16	101	257860	4.539	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	133454	4.233	ug/L 98
12) 1,1-Dichloroethene	2.61	96	119382	4.211	ug/L 91
13) Acetone	2.67	43	224830	35.789	ug/L 99
14) Carbon disulfide	2.82	76	370492	4.562	ug/L 100
15) Methyl Acetate	3.00	43	50514	5.446	ug/L 99
16) Methylene chloride	3.08	84	151618	4.605	ug/L 97
17) Methyl tert-butyl Ether	3.42	73	268168	5.495	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	126441	5.225	ug/L 98
19) 1,1-Dichloroethane	3.92	63	233589	5.379	ug/L 99
21) 2-Butanone	4.77	43	337497	53.675	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	135816	5.348	ug/L 96

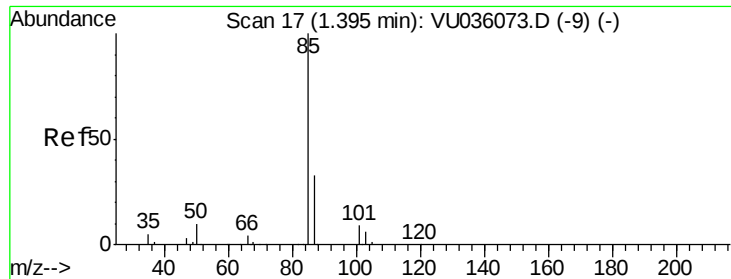
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	68603	5.225	ug/L	98
25) Chloroform	5.14	83	252627	5.220	ug/L	96
27) 1,2-Dichloroethane	5.84	62	150996	5.280	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	208571	5.370	ug/L	99
30) Cyclohexane	5.43	56	172284	5.650	ug/L	98
31) Carbon tetrachloride	5.57	117	187324	5.334	ug/L	99
33) Benzene	5.82	78	531676	5.645	ug/L	100
34) Trichloroethene	6.58	95	135576	5.422	ug/L	98
35) Methylcyclohexane	6.80	83	184644	5.504	ug/L	98
37) 1,2-Dichloropropane	6.83	63	133894	5.667	ug/L	99
38) Bromodichloromethane	7.14	83	177542	5.591	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	182135	5.673	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	766152	62.090	ug/L	100
42) Toluene	8.00	91	584204	5.784	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	153896	5.545	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	105694	5.683	ug/L	98
47) Tetrachloroethene	8.58	164	122284	5.144	ug/L	95
48) 2-Hexanone	8.73	43	602587	68.074	ug/L	98
49) Dibromochloromethane	8.84	129	133684	5.415	ug/L	100
50) 1,2-Dibromoethane	8.96	107	100960	5.613	ug/L	97
51) Chlorobenzene	9.48	112	369752	5.253	ug/L	98
52) Ethylbenzene	9.60	91	556854	5.262	ug/L	99
53) m,p-Xylene	9.72	106	219995	5.221	ug/L	99
54) o-Xylene	10.13	106	211001	5.333	ug/L	97
55) Styrene	10.14	104	376317	5.546	ug/L	96
56) Isopropylbenzene	10.51	105	544066	5.212	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	134091	5.453	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	97692	5.785	ug/L	96
61) Bromoform	10.32	173	80211	4.603	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	299474	5.229	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	296306	5.251	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	282904	4.999	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	18852	5.303	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	202319	5.214	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	111353	5.404	ug/L	98
69) Naphthalene	14.11	128	101891	5.138	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	108695	5.502	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.928 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

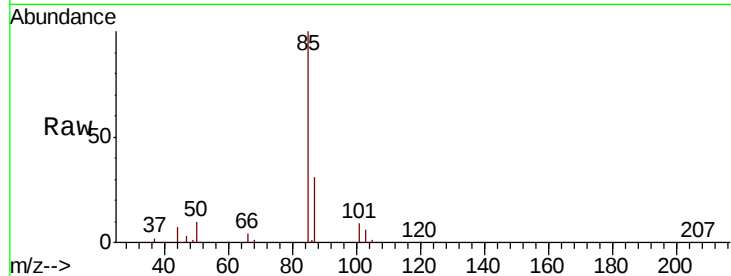
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 157841

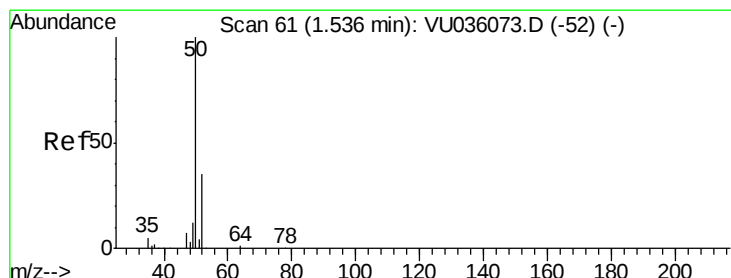
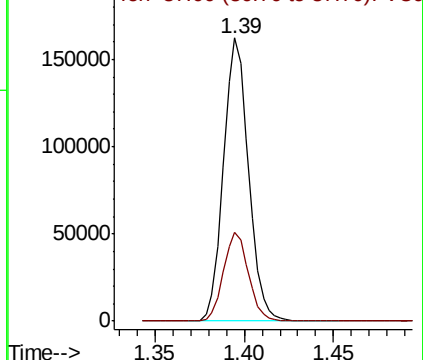
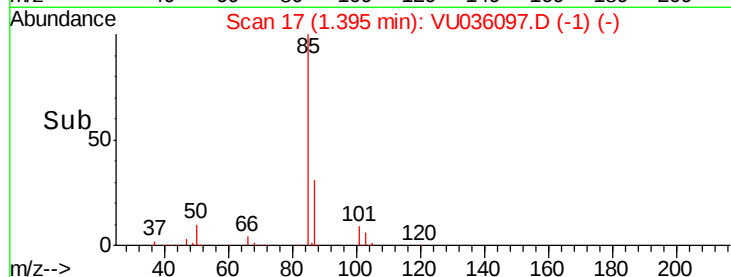
Ion Ratio Lower Upper

85 100

87 31.1 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VU036097.D (-1) (-)



#3

Chloromethane

Concen: 5.287 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036097.D

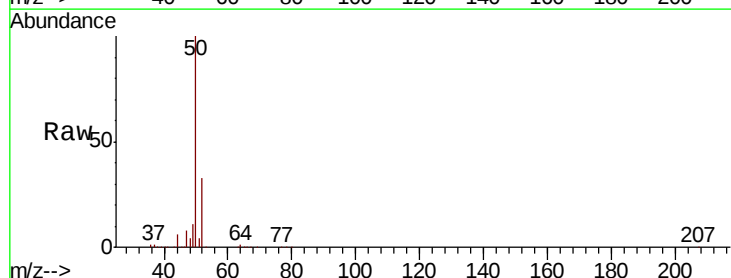
Acq: 10 Dec 2019 21:13

Tgt Ion: 50 Resp: 165342

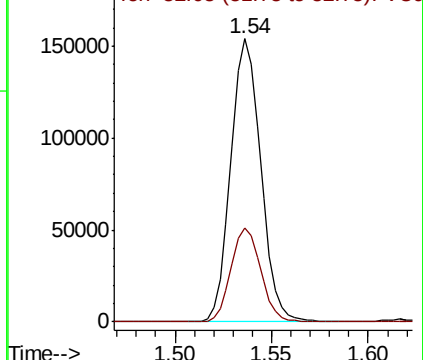
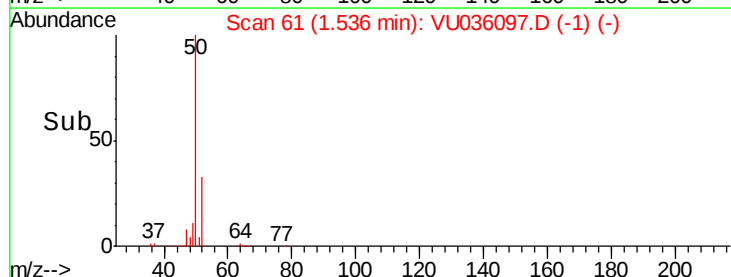
Ion Ratio Lower Upper

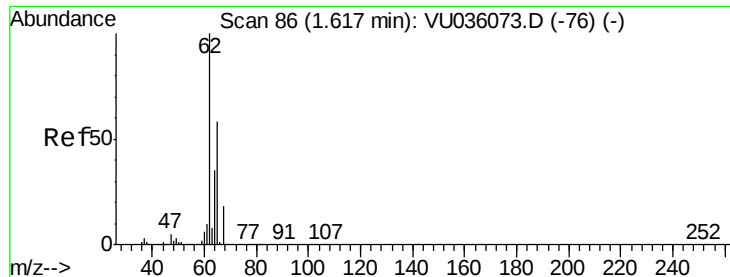
50 100

52 33.3 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VU036097.D (-1) (-)





#5

Vinyl chloride

Concen: 5.980 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

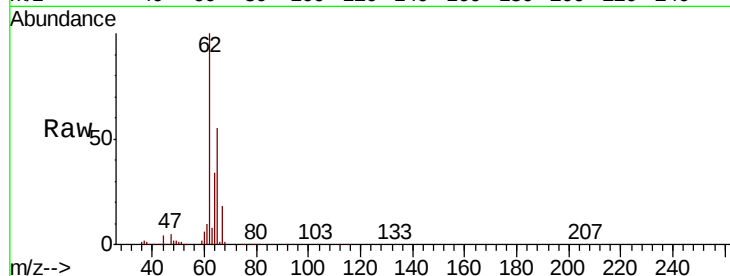
ClientSampleId :

Tot Ion: 62 Resp: 195114

Ion Ratio Lower Upper

62 100

64 33.8 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

200000

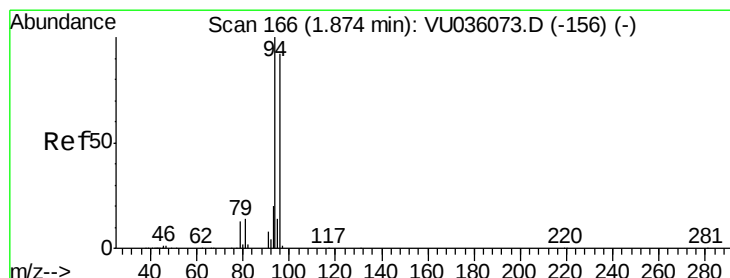
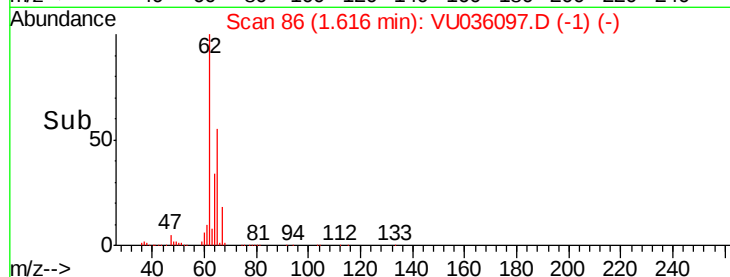
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.061 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036097.D

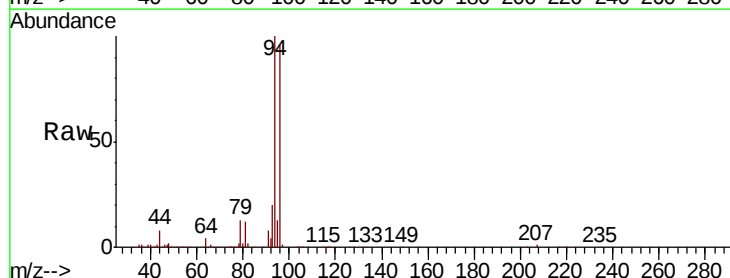
Acq: 10 Dec 2019 21:13

Tgt Ion: 94 Resp: 106480

Ion Ratio Lower Upper

94 100

96 95.9 66.8 124.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

100000

80000

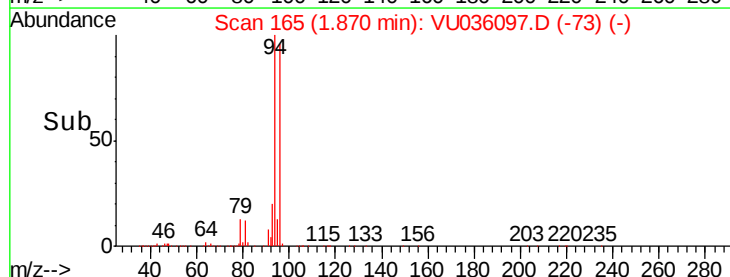
60000

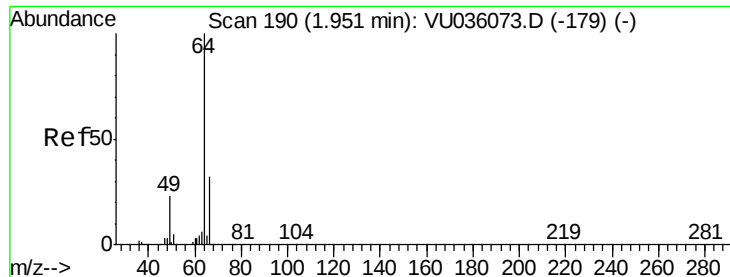
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

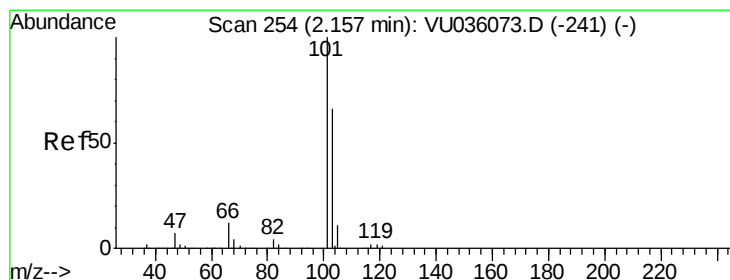
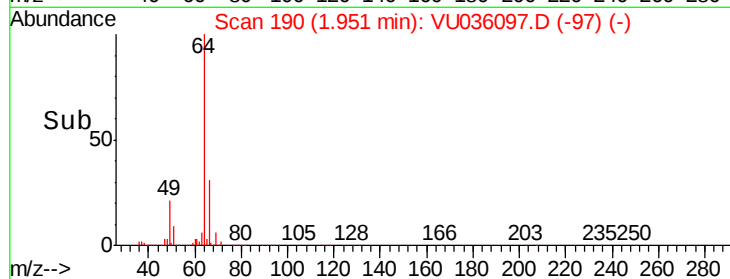
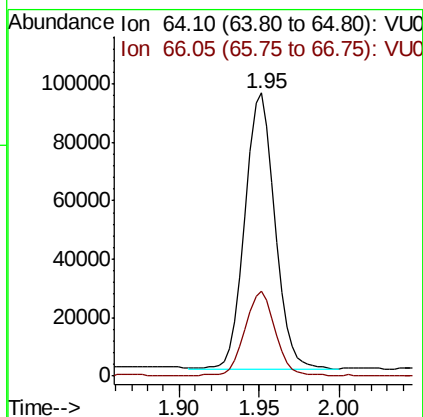
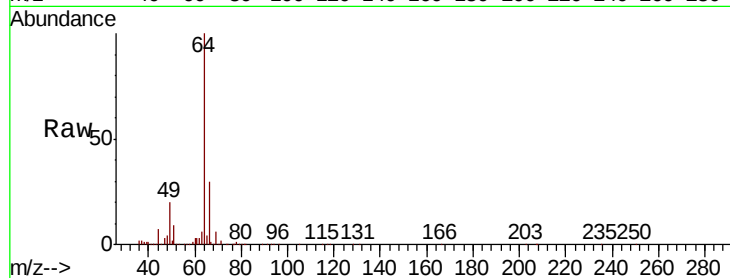




#8
Chloroethane
Concen: 4.856 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

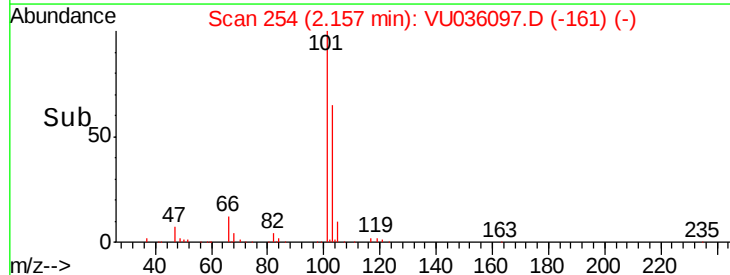
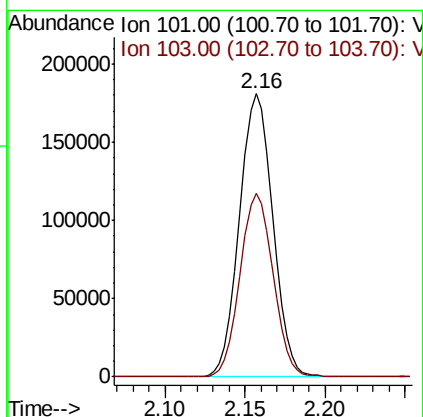
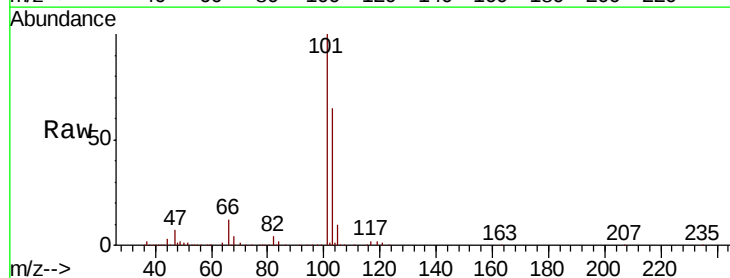
Instrument :
MSVOA_U
ClientSampleId :

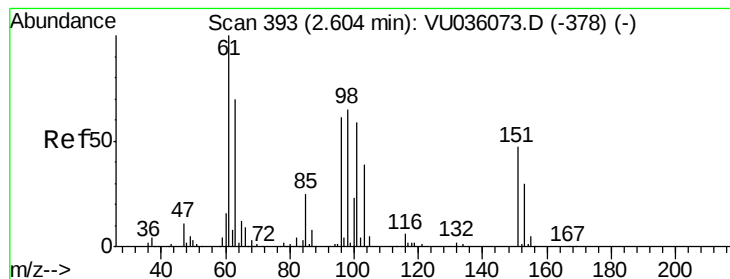
Tot Ion: 64 Resp: 120552
Ion Ratio Lower Upper
64 100
66 29.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.539 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Tgt Ion: 101 Resp: 257860
Ion Ratio Lower Upper
101 100
103 64.2 52.6 78.8





#10

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

Concen: 4.233 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

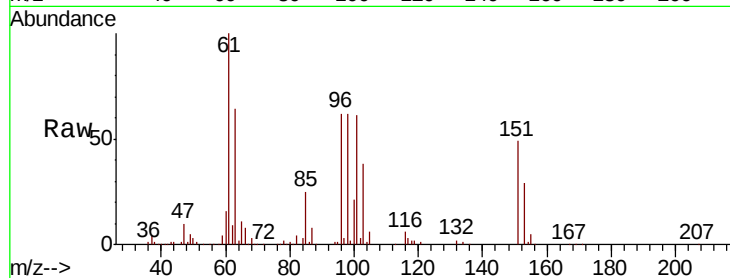
Tot Ion:101 Resp: 133454

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

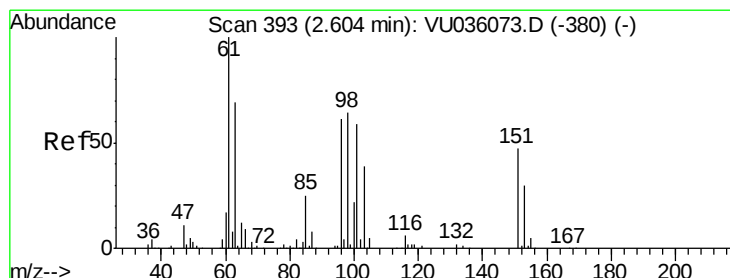
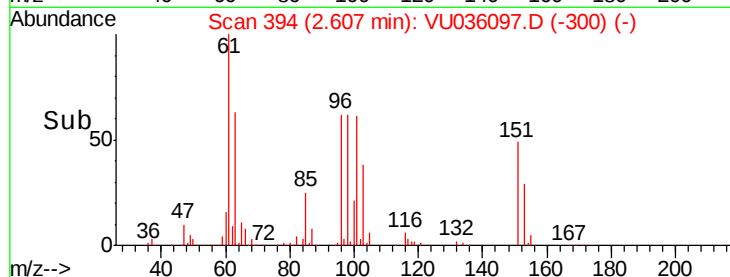
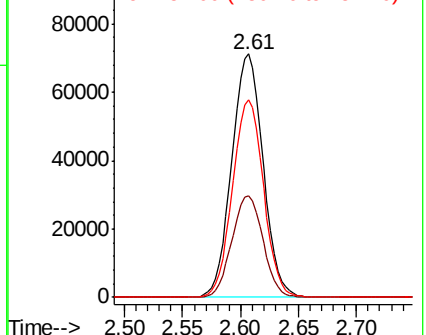
151 80.4 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.211 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

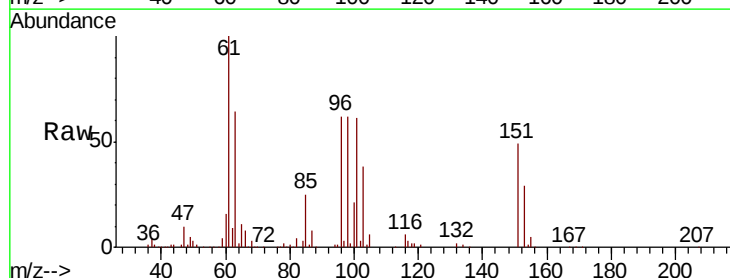
Tgt Ion: 96 Resp: 119382

Ion Ratio Lower Upper

96 100

61 161.1 104.3 193.7

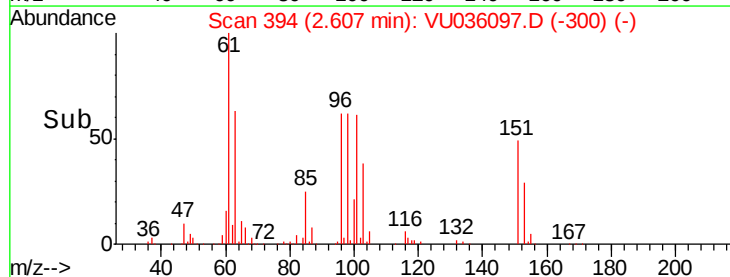
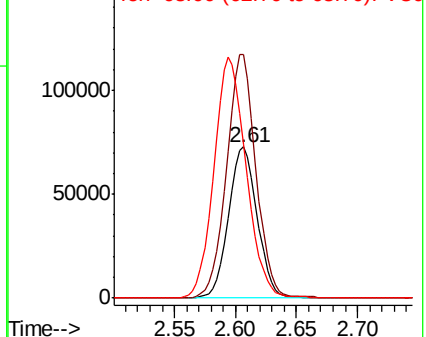
63 102.3 65.6 121.8

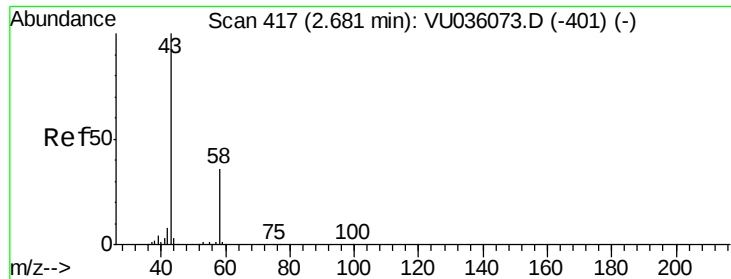


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 35.789 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

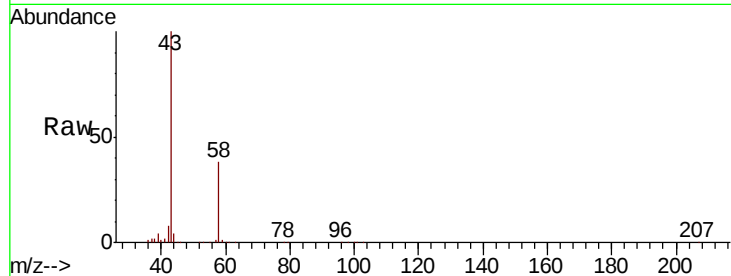
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 224830

Ion Ratio Lower Upper

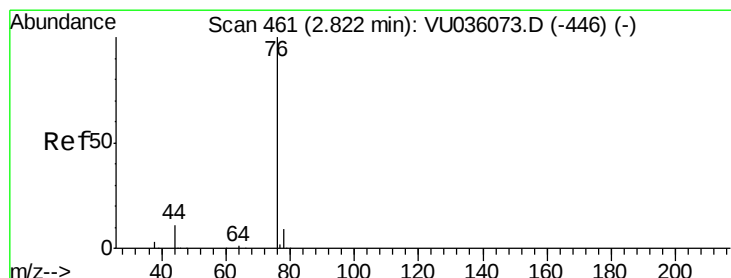
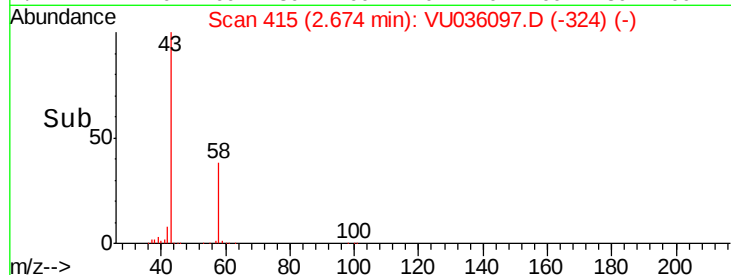
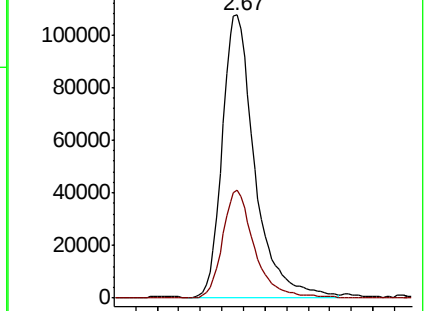
43 100

58 37.7 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036097.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036097.D (-324) (-)



#14

Carbon disulfide

Concen: 4.562 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036097.D

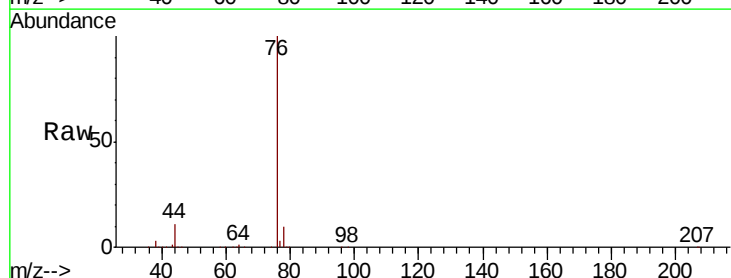
Acq: 10 Dec 2019 21:13

Tgt Ion: 76 Resp: 370492

Ion Ratio Lower Upper

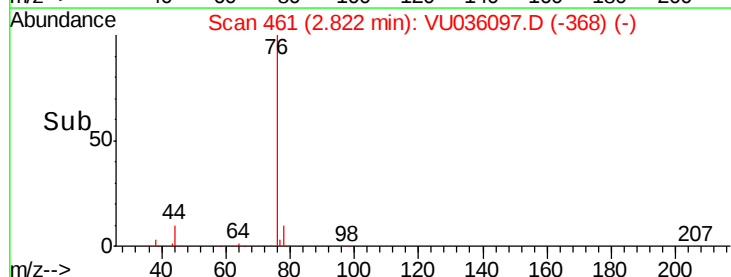
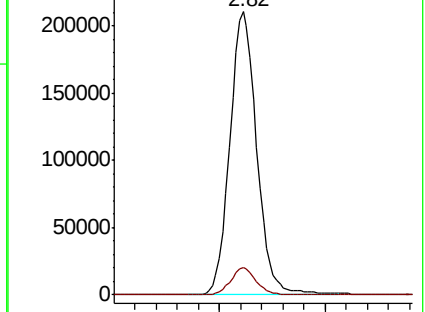
76 100

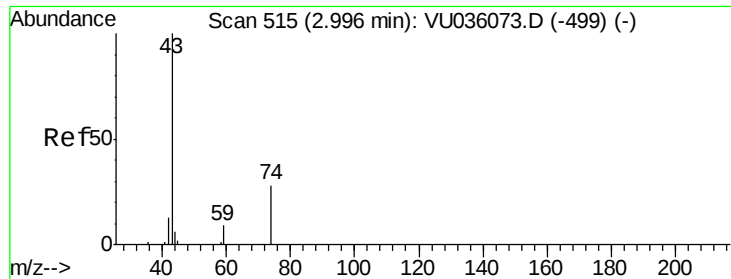
78 9.6 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU036097.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036097.D (-368) (-)





#15

Methvl Acetate

Concen: 5.446 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

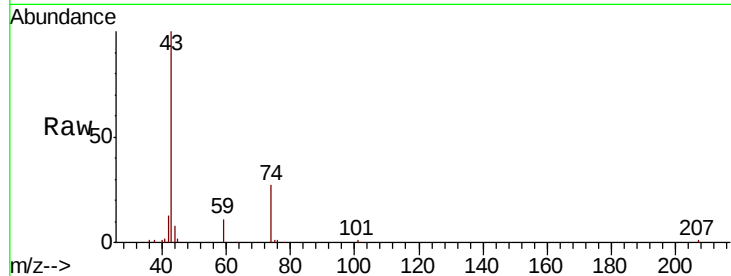
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 50514

Ion Ratio Lower Upper

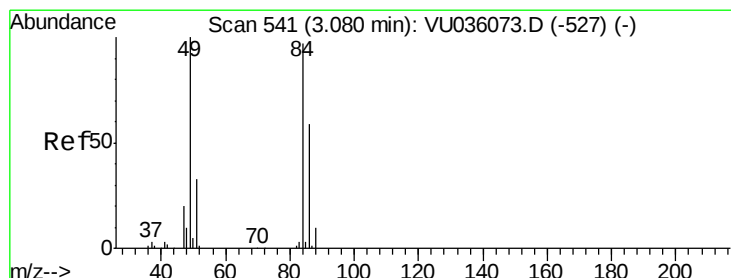
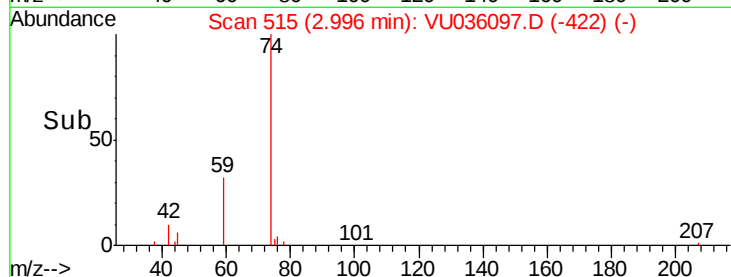
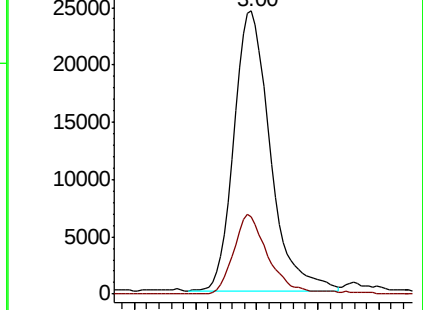
43 100

74 26.7 21.0 31.4



Abundance Ion 43.05 (42.75 to 43.75): VU036097.D (-499) (-)

Ion 74.05 (73.75 to 74.75): VU036097.D (-499) (-)



#16

Methylene chloride

Concen: 4.605 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

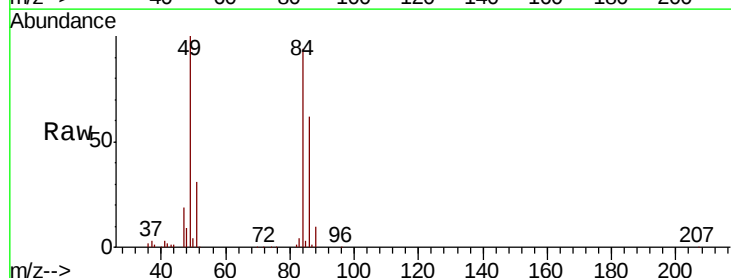
Tgt Ion: 84 Resp: 151618

Ion Ratio Lower Upper

84 100

86 65.9 47.5 88.3

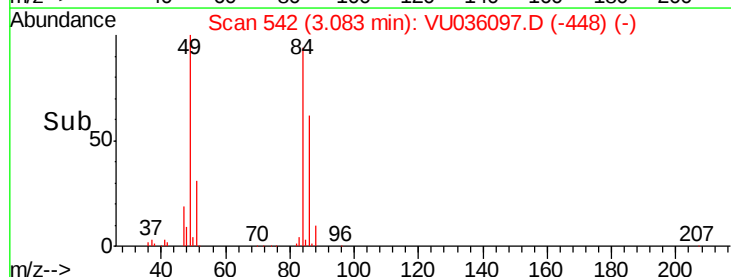
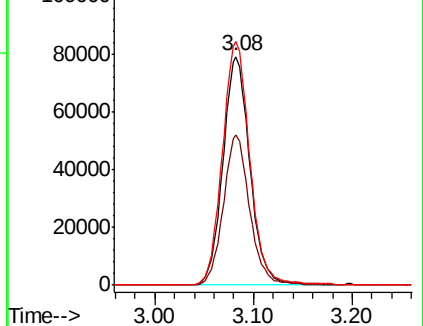
49 106.5 76.9 142.9

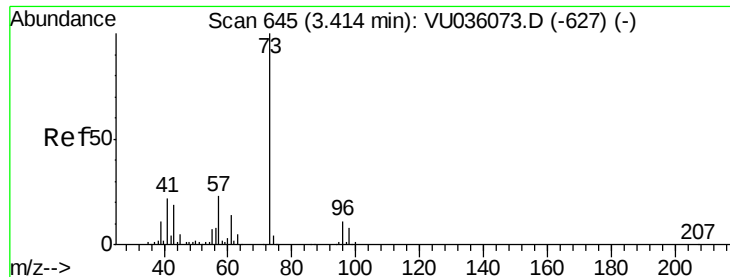


Abundance Ion 84.05 (83.75 to 84.75): VU036097.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036097.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036097.D (-527) (-)



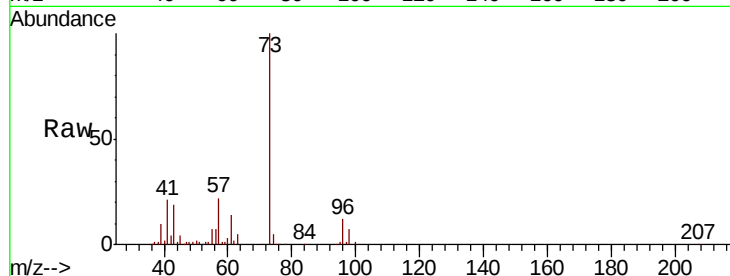


#17

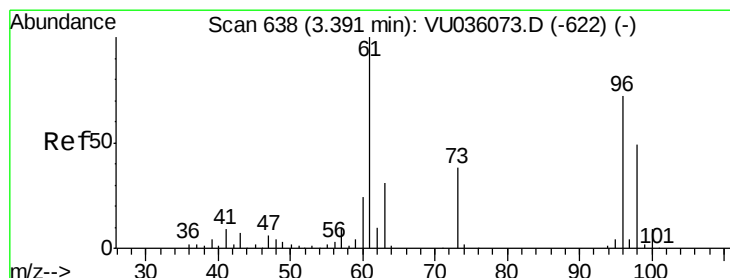
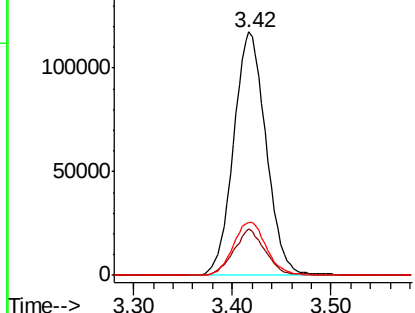
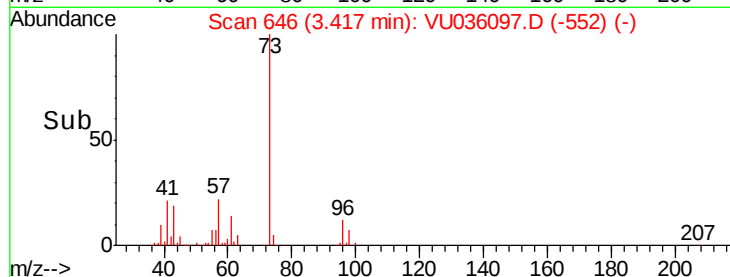
Methvl tert-butvl Ether
 Concen: 5.495 ug/L
 RT: 3.42 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 268168
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.6 23.4
 57 22.5 17.4 26.2



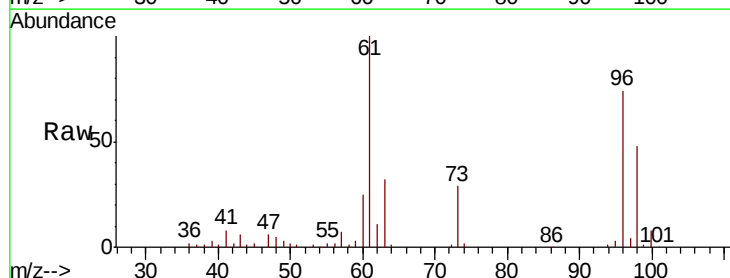
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



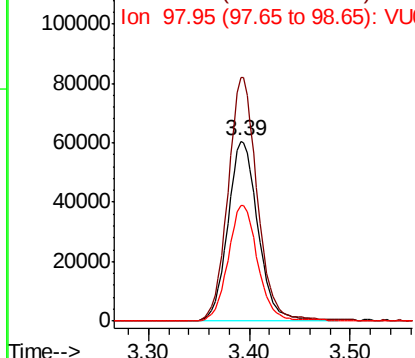
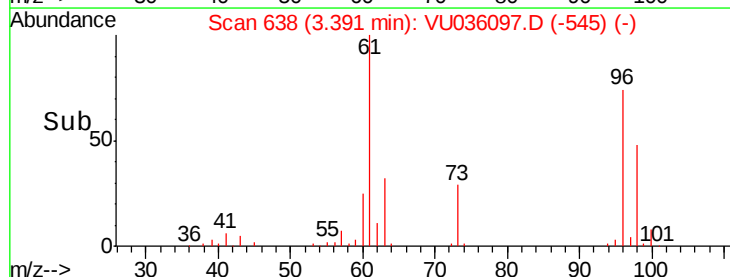
#18

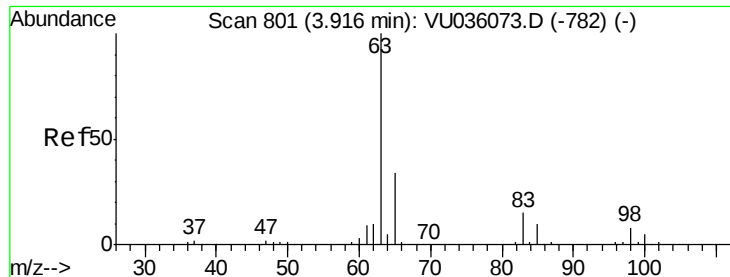
trans-1,2-Dichloroethene
 Concen: 5.225 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion: 96 Resp: 126441
 Ion Ratio Lower Upper
 96 100
 61 135.2 92.0 170.8
 98 64.3 44.6 82.8



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

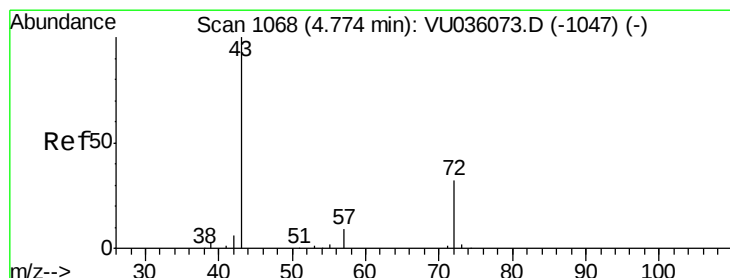
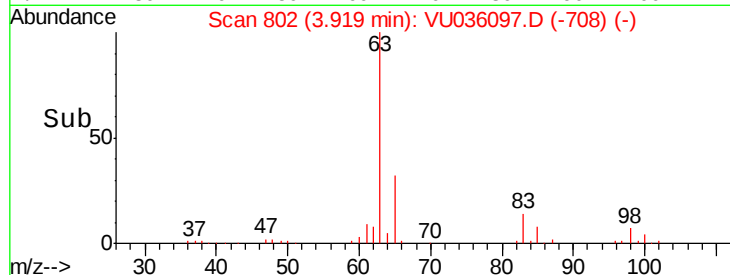
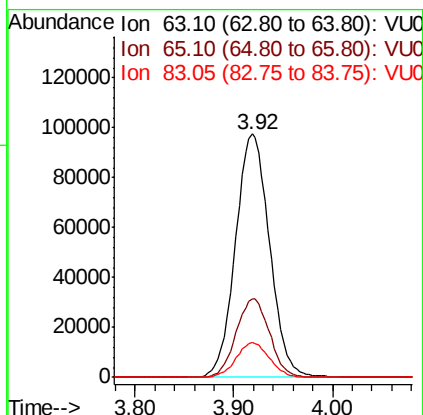
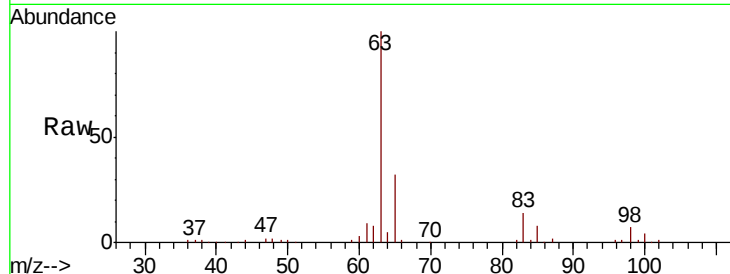




#19
 1,1-Dichloroethane
 Concen: 5.379 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

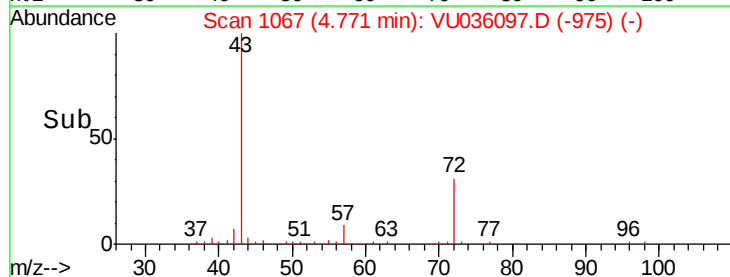
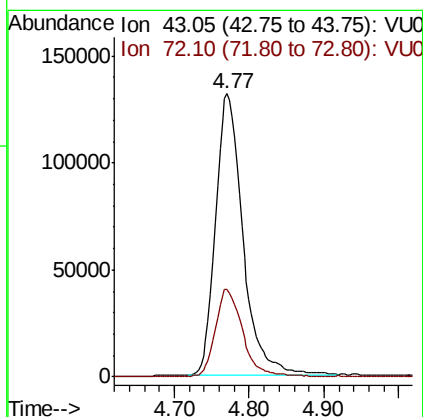
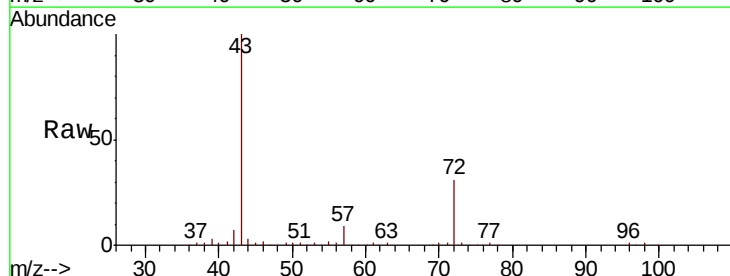
Instrument :
 MSVOA_U
 ClientSampleId :

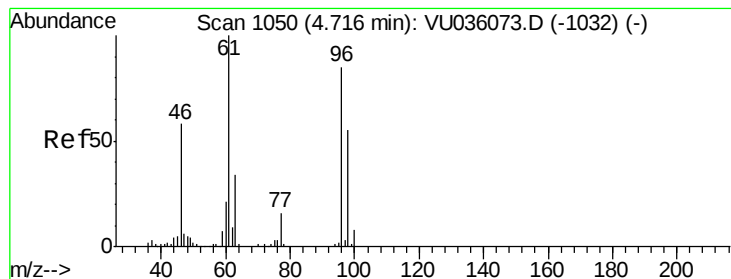
Tot Ion: 63 Resp: 233589
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.4
 83 14.4 10.1 18.9



#21
 2-Butanone
 Concen: 53.675 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion: 43 Resp: 337497
 Ion Ratio Lower Upper
 43 100
 72 31.2 15.0 45.0





#22

cis-1,2-Dichloroethene

Concen: 5.348 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :
MSVOA_U
ClientSampleId :

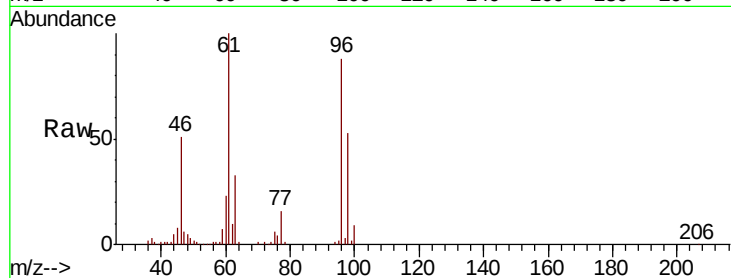
Tot Ion: 96 Resp: 135816

Ion Ratio Lower Upper

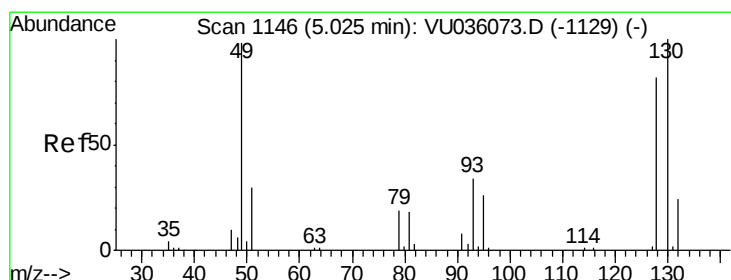
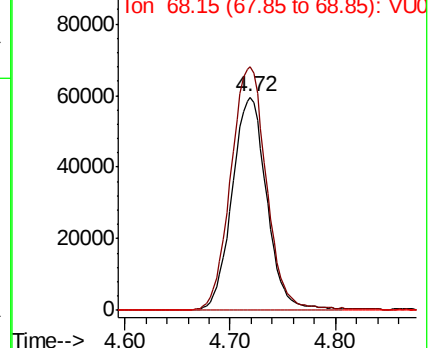
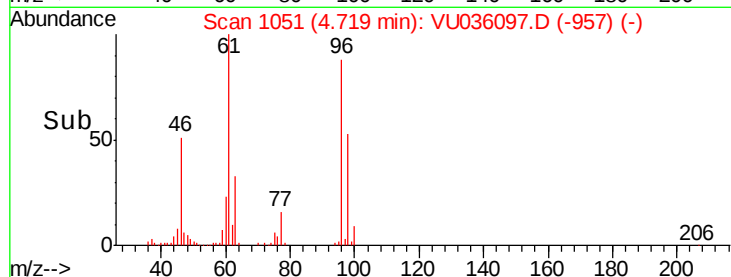
96 100

61 114.2 83.0 154.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036097.D (-957) (-)



#23

Bromochloromethane

Concen: 5.225 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Tgt Ion: 128 Resp: 68603

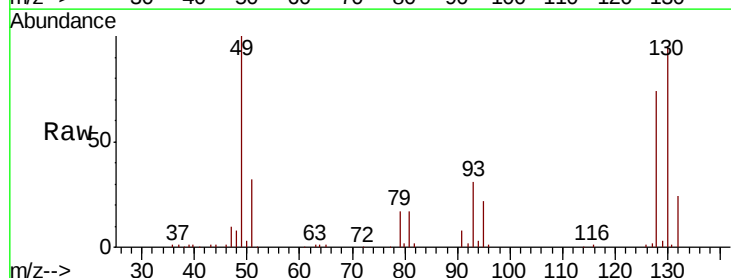
Ion Ratio Lower Upper

128 100

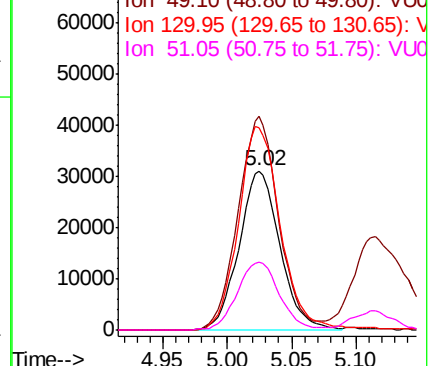
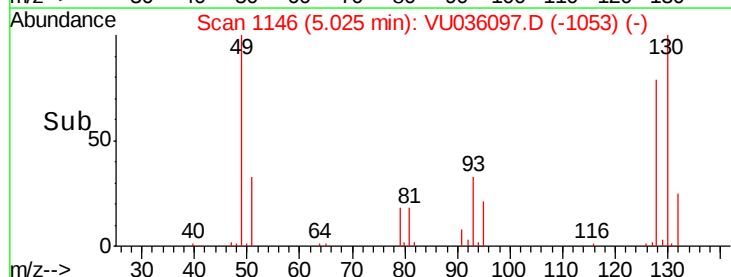
49 134.3 90.2 167.6

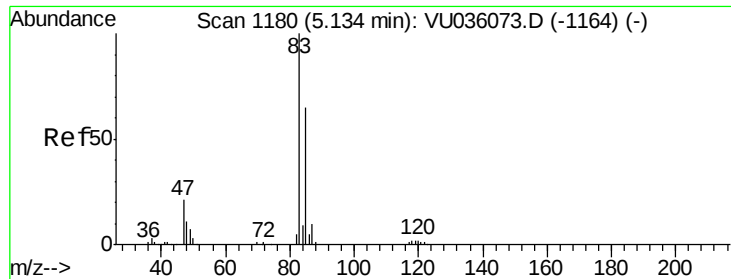
130 126.9 89.0 165.4

51 42.7 33.8 50.6



Abundance Ion 127.90 (127.60 to 128.60): VU036097.D (-1053) (-)





#25

Chloroform

Concen: 5.220 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

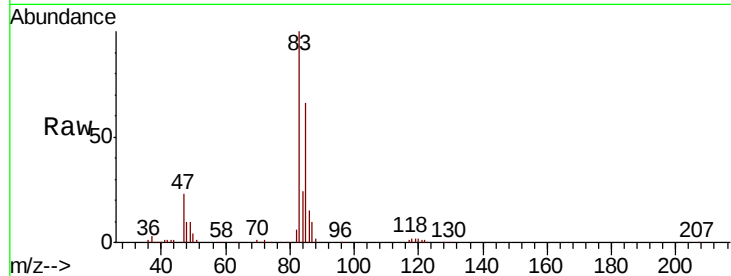
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 252627

Ion Ratio Lower Upper

83 100

85 65.8 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036097.D (-1180) (-)

Ion 85.00 (84.70 to 85.70): VU036097.D (-1180) (-)

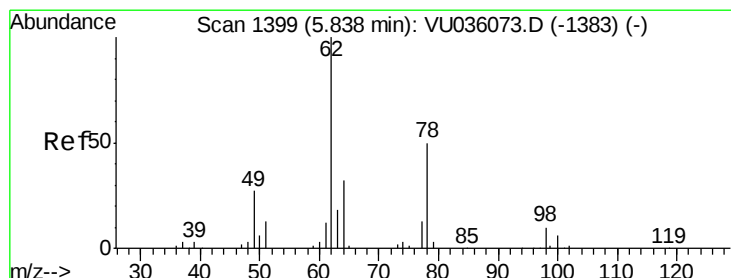
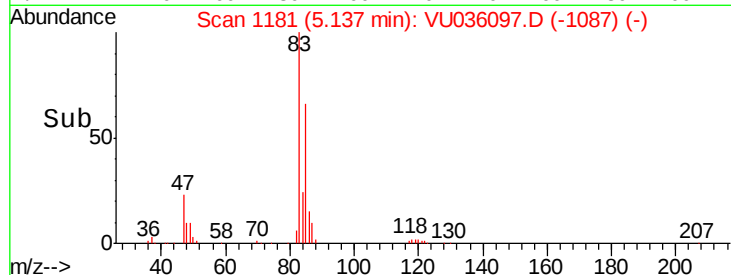
5.14

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.280 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. 0.00 min

Lab File: VU036097.D

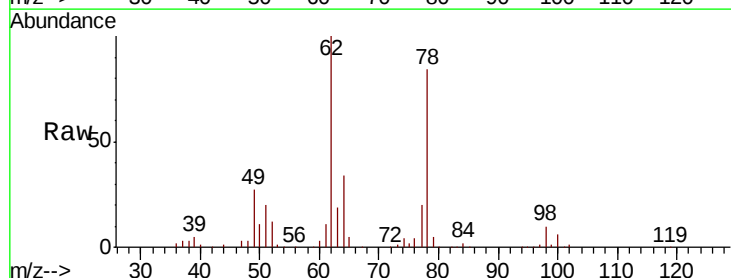
Acq: 10 Dec 2019 21:13

Tgt Ion: 62 Resp: 150996

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU036097.D (-1399) (-)

Ion 98.05 (97.75 to 98.75): VU036097.D (-1399) (-)

5.84

80000

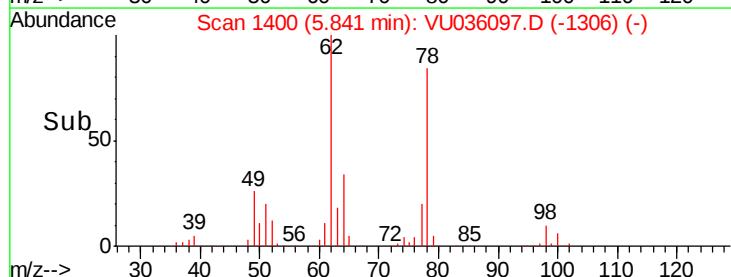
60000

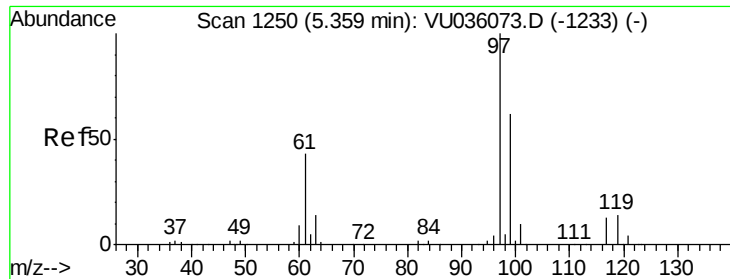
40000

20000

0

Time-->

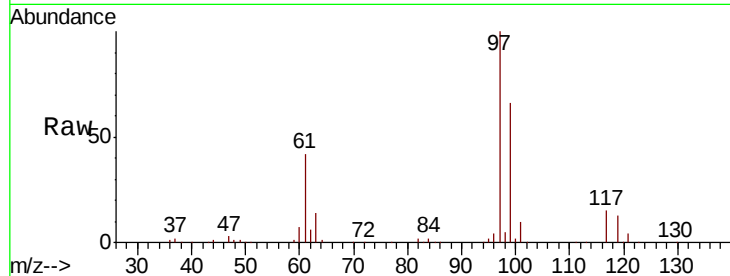




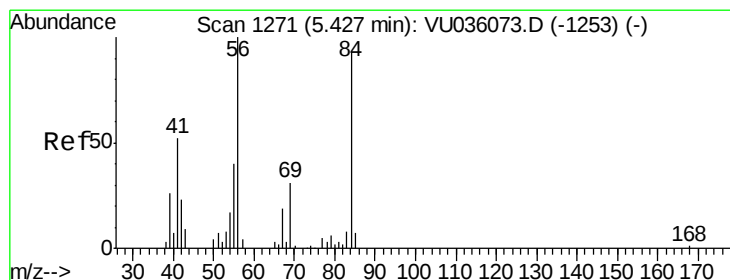
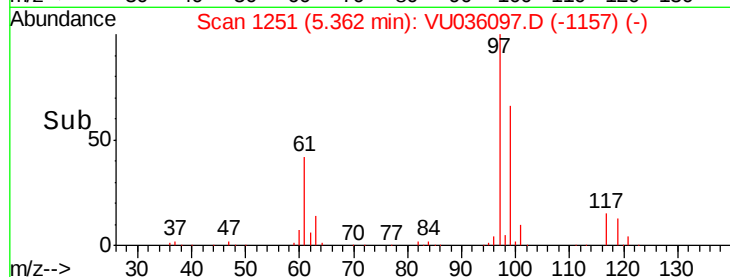
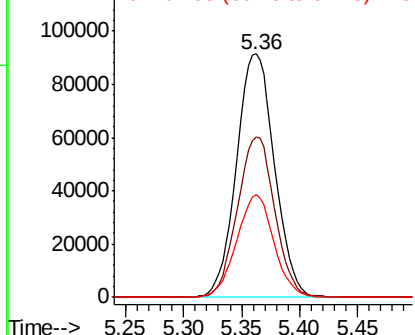
#29
1,1,1-Trichloroethane
Concen: 5.370 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 208571
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 41.3 34.7 52.1

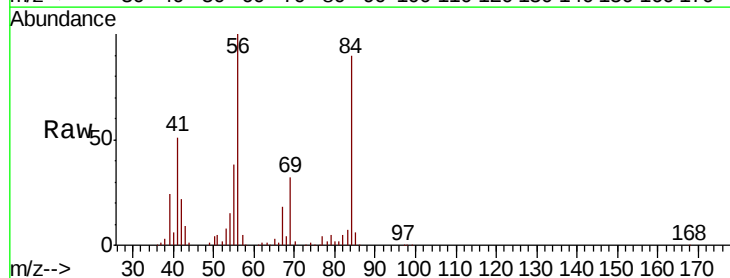


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

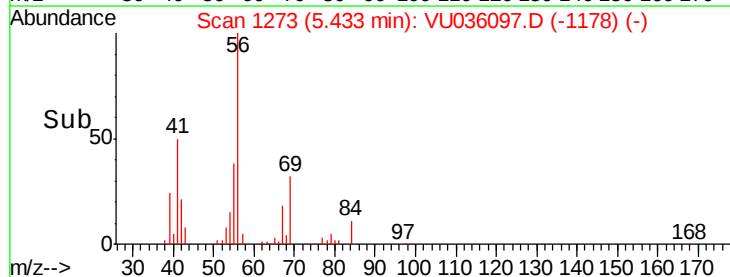
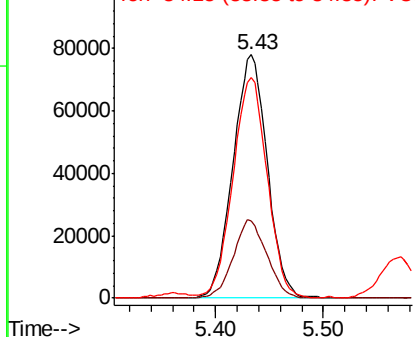


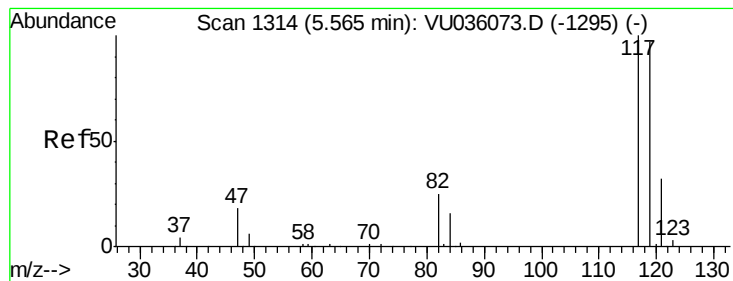
#30
Cyclohexane
Concen: 5.650 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Tgt Ion: 56 Resp: 172284
Ion Ratio Lower Upper
56 100
69 31.5 25.4 38.0
84 90.5 74.5 111.7



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





#31

Carbon tetrachloride

Concen: 5.334 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

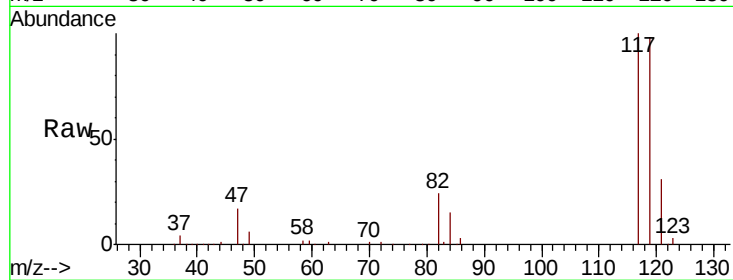
ClientSampleId :

Tot Ion:117 Resp: 187324

Ion Ratio Lower Upper

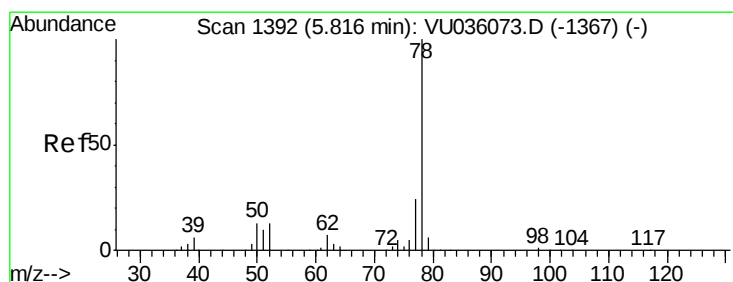
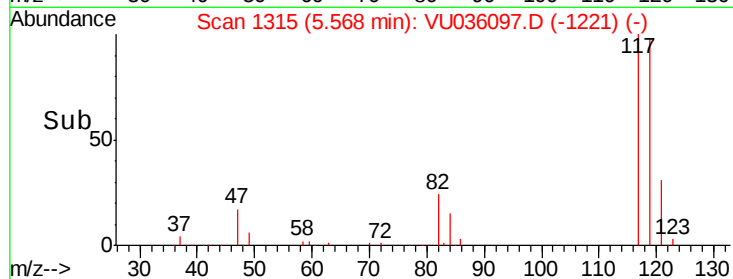
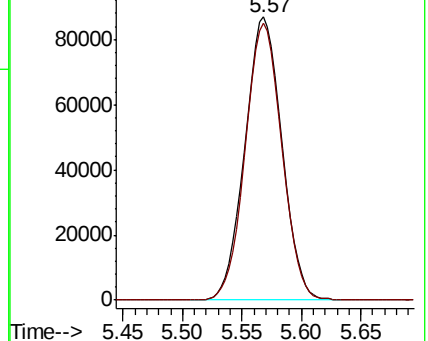
117 100

119 96.7 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.645 ug/L

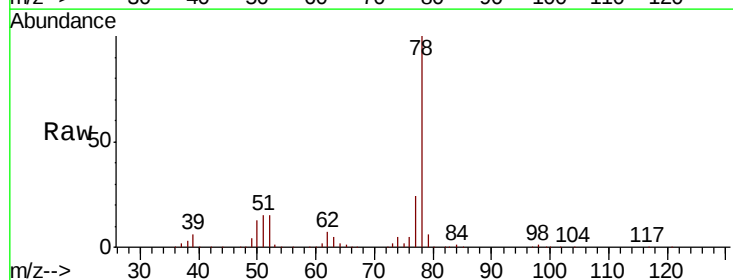
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

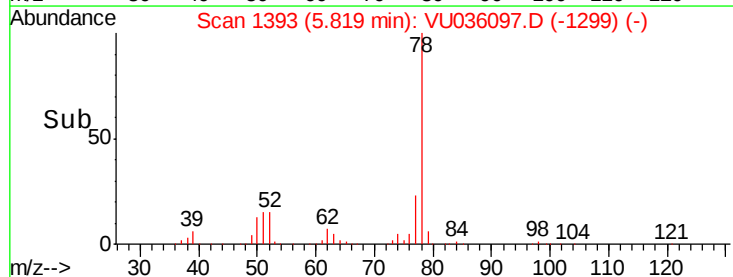
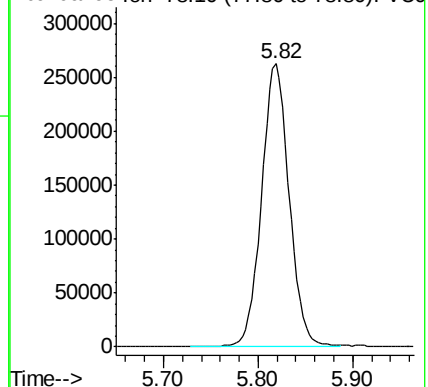
Lab File: VU036097.D

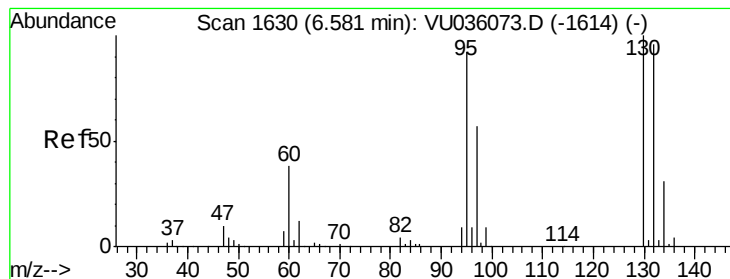
Acq: 10 Dec 2019 21:13

Tgt Ion: 78 Resp: 531676



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.422 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 95 Resp: 135576

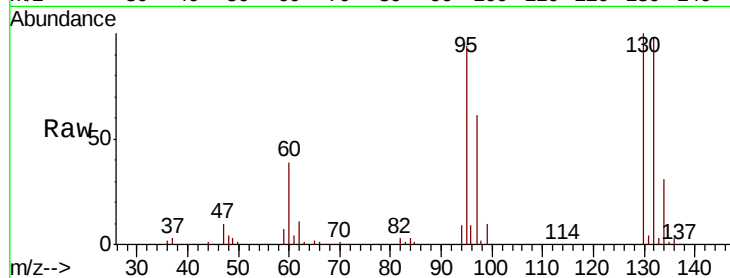
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.4

132 103.6 73.4 136.4

130 106.2 75.9 141.1

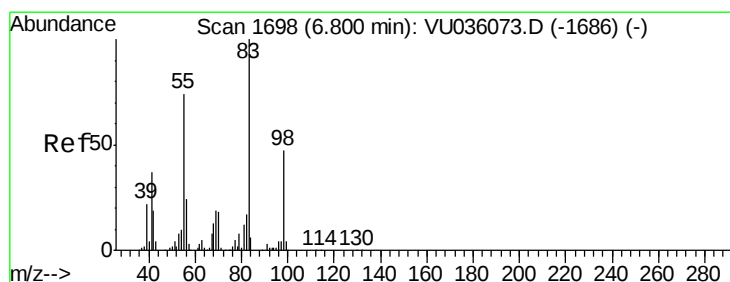
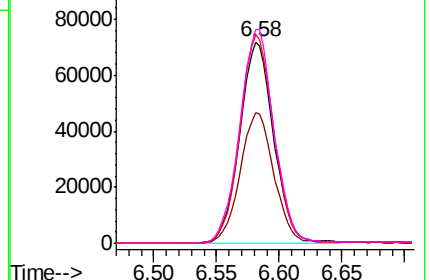
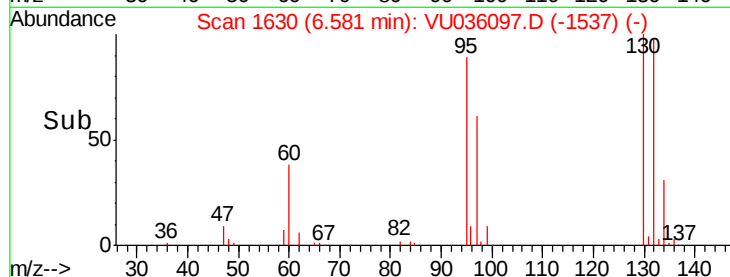


Abundance Ion 95.00 (94.70 to 95.70): VU036097.D (-1614) (-)

Ion 96.95 (96.65 to 97.65): VU036097.D (-1614) (-)

Ion 131.95 (131.65 to 132.65): VU036097.D (-1614) (-)

Ion 129.95 (129.65 to 130.65): VU036097.D (-1614) (-)



#35

Methylcyclohexane

Concen: 5.504 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

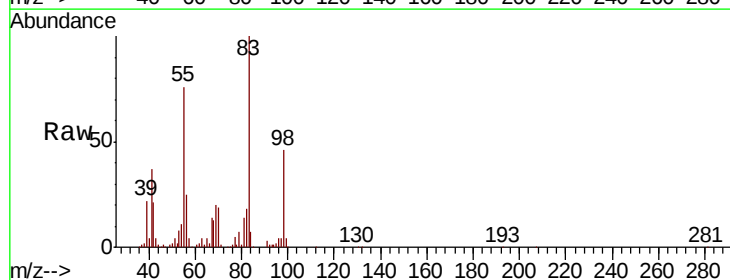
Tgt Ion: 83 Resp: 184644

Ion Ratio Lower Upper

83 100

55 76.0 62.1 93.1

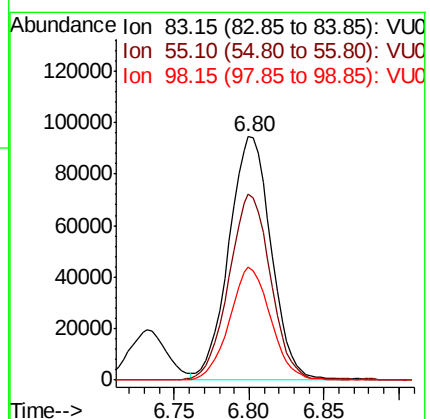
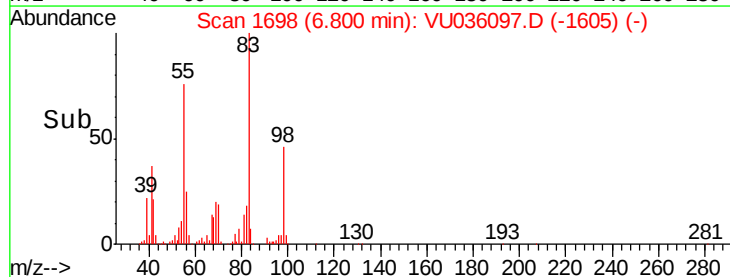
98 45.4 37.0 55.4

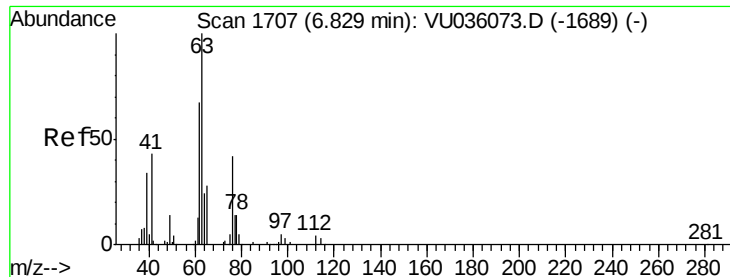


Abundance Ion 83.15 (82.85 to 83.85): VU036097.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU036097.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU036097.D (-1686) (-)

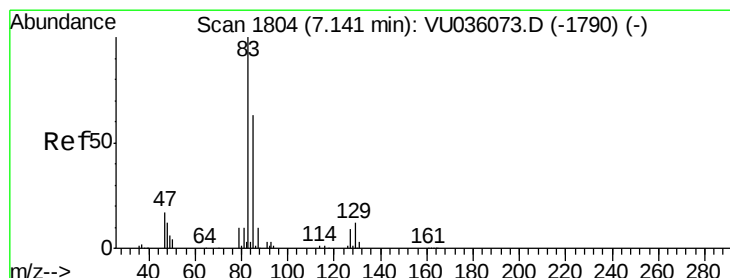
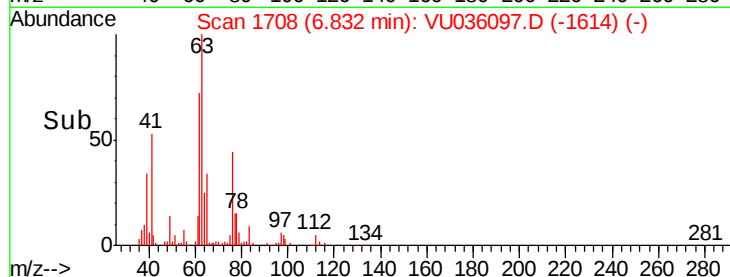
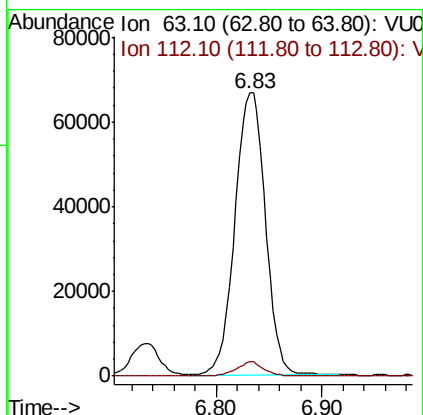
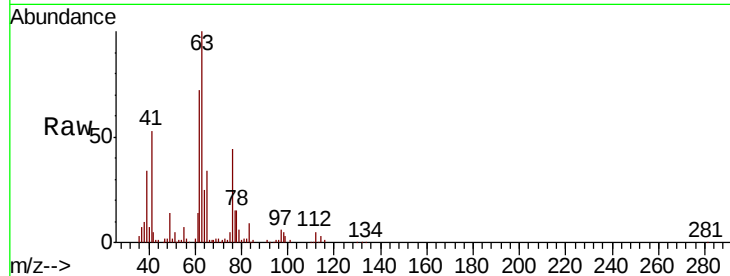




#37
 1,2-Dichloropropane
 Concen: 5.667 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

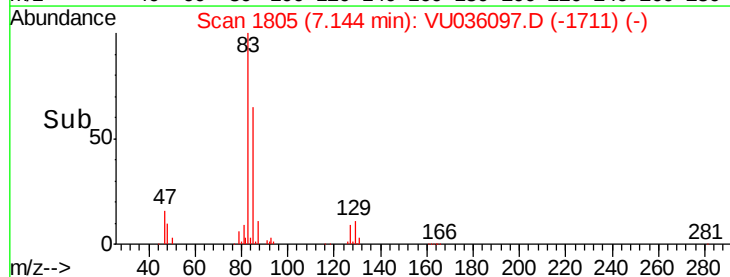
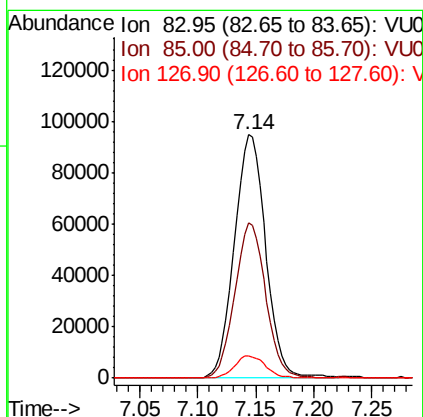
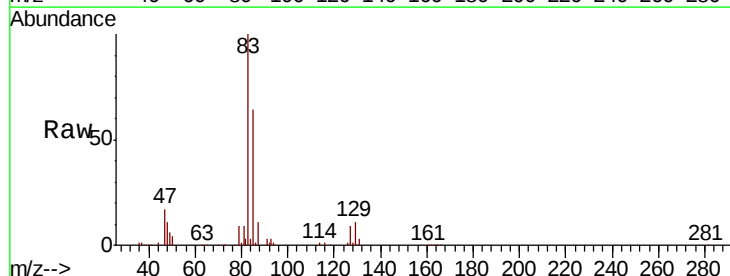
Instrument :
 MSVOA_U
 ClientSampleId :

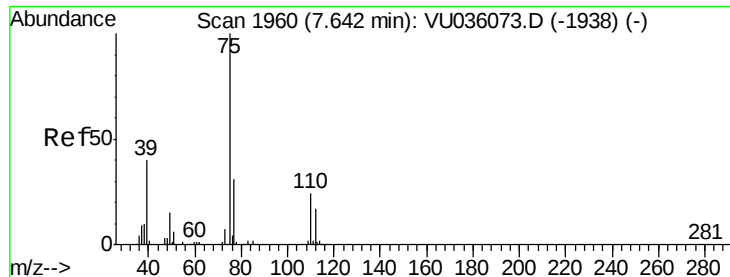
Tot Ion: 63 Resp: 133894
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.591 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion: 83 Resp: 177542
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.2 84.0
 127 9.3 7.4 11.2

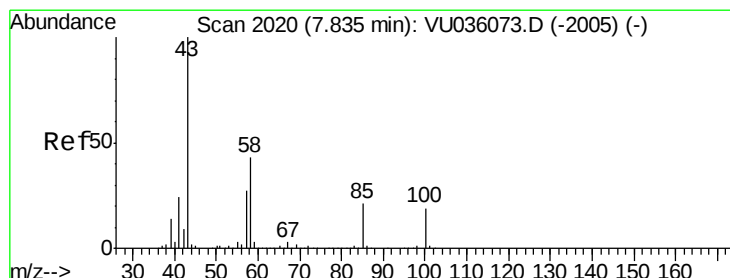
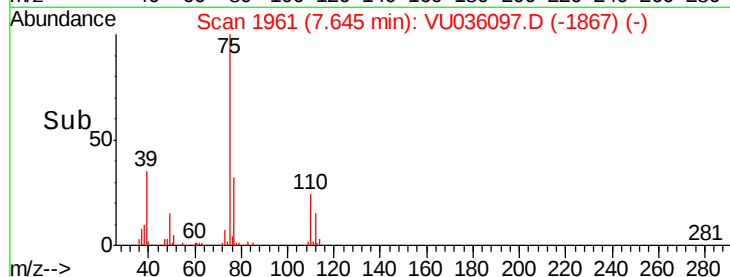
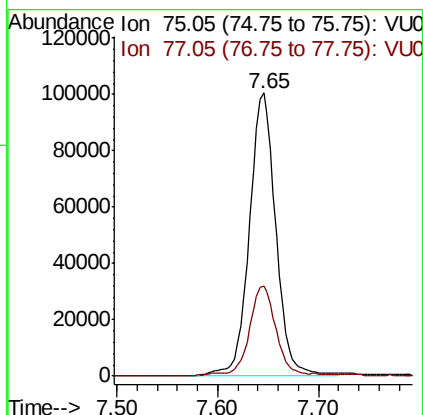
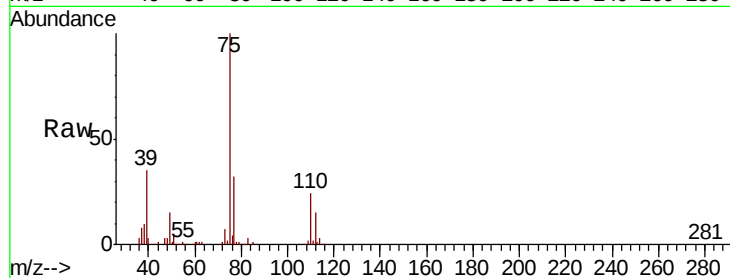




#39
 cis-1,3-Dichloropropene
 Concen: 5.673 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

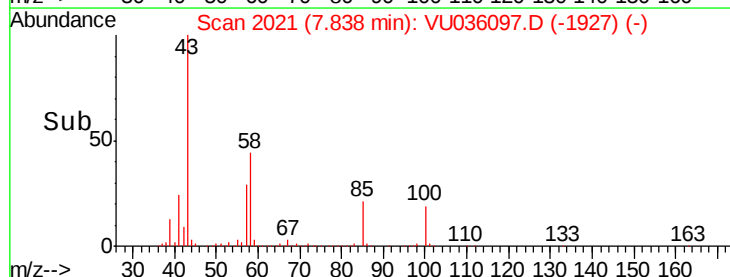
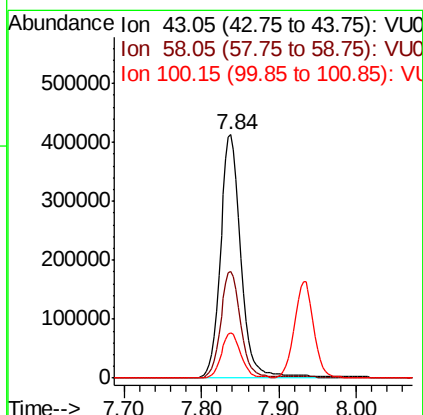
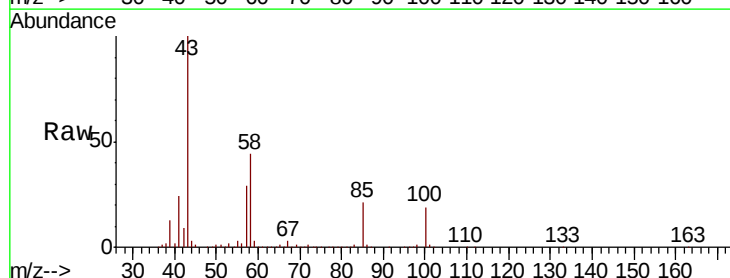
Instrument :
 MSVOA_U
 ClientSampled :

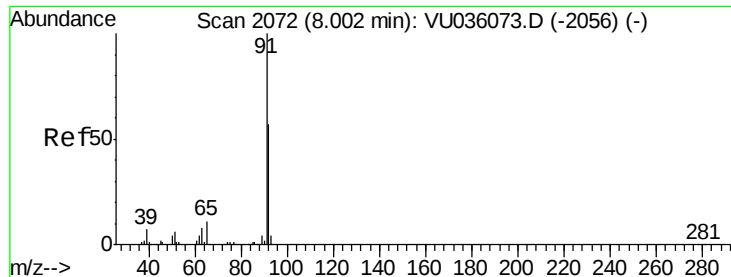
Tot Ion: 75 Resp: 182135
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 62.090 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion: 43 Resp: 766152
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.5 51.7
 100 17.8 14.3 21.5





#42

Toluene

Concen: 5.784 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

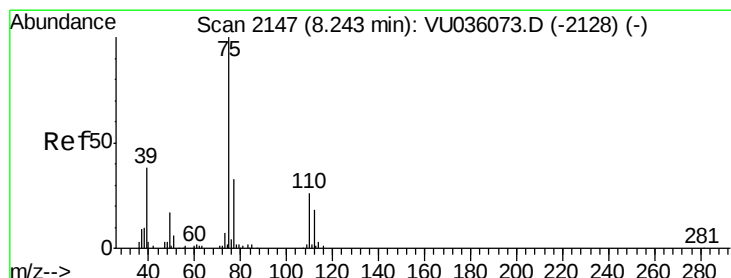
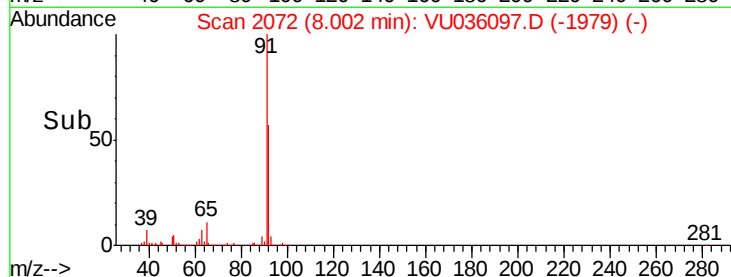
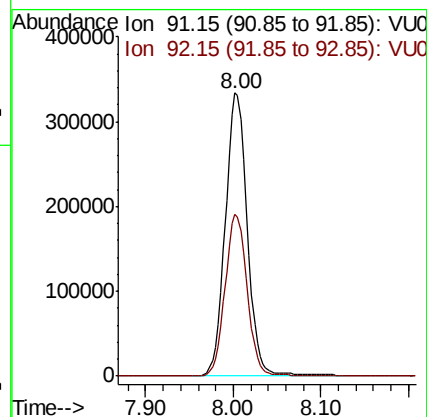
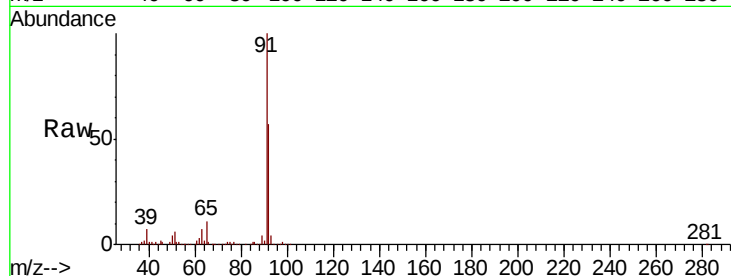
ClientSampleId :

Tot Ion: 91 Resp: 584204

Ion Ratio Lower Upper

91 100

92 57.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.545 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU036097.D

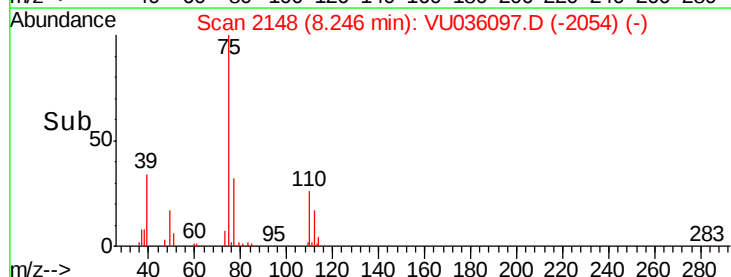
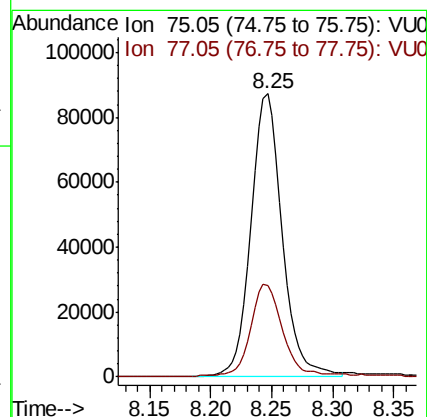
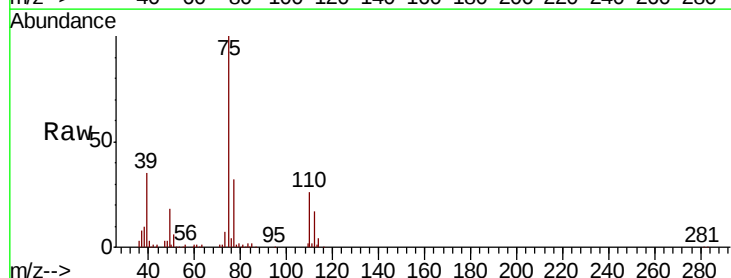
Acq: 10 Dec 2019 21:13

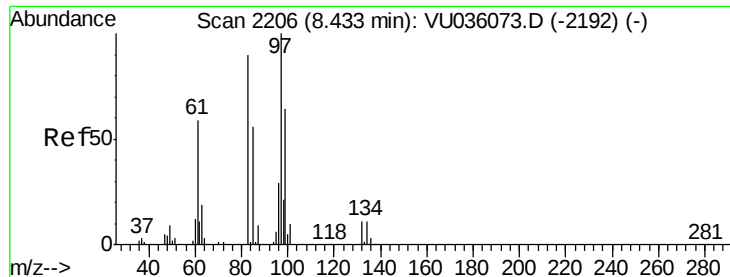
Tgt Ion: 75 Resp: 153896

Ion Ratio Lower Upper

75 100

77 32.2 22.9 42.5

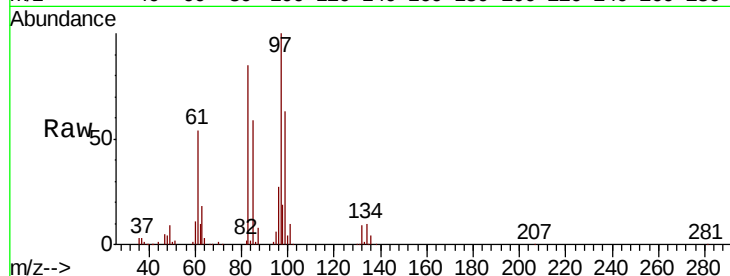




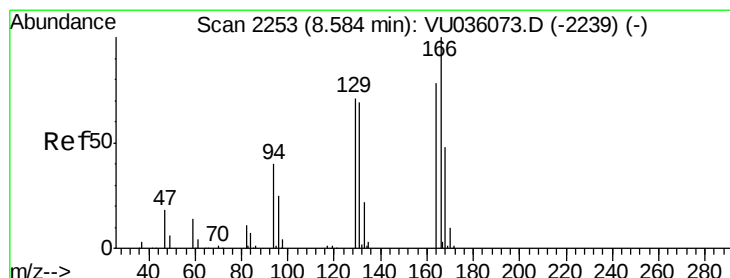
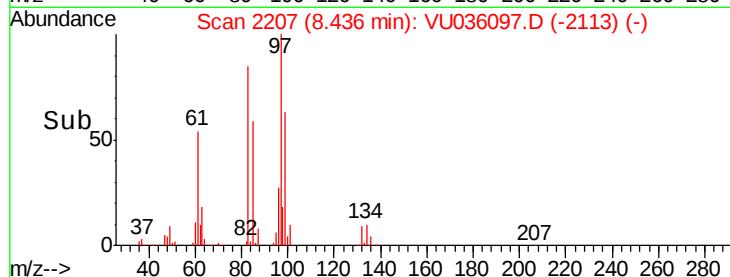
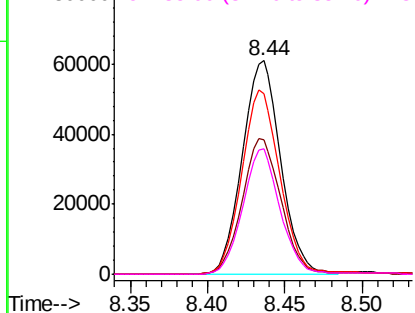
#45
 1,1,2-Trichloroethane
 Concen: 5.683 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	105694
Ion	Ratio	Lower	Upper
97	100		
99	63.0	46.1	85.7
83	84.7	59.6	110.8
85	58.5	40.5	75.3

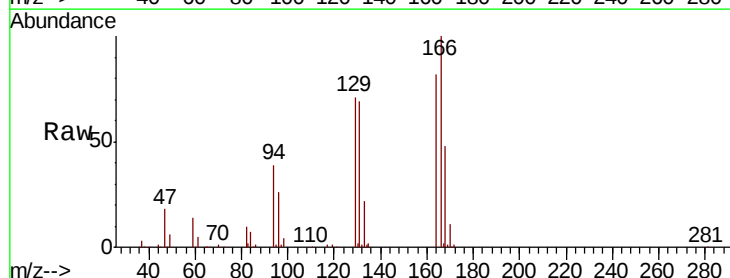


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

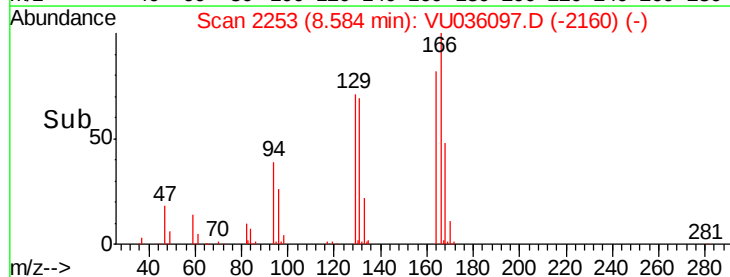
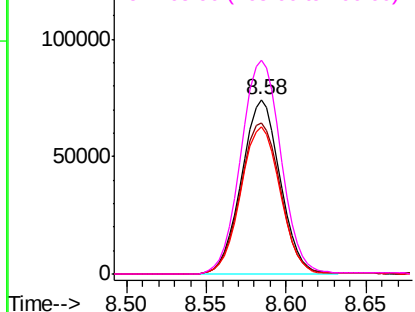


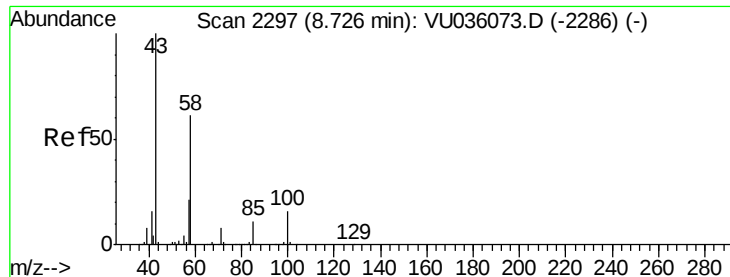
#47
 Tetrachloroethene
 Concen: 5.144 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion:	164	Resp:	122284
Ion	Ratio	Lower	Upper
164	100		
129	86.7	63.1	117.3
131	84.0	61.5	114.1
166	122.4	91.0	169.0



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

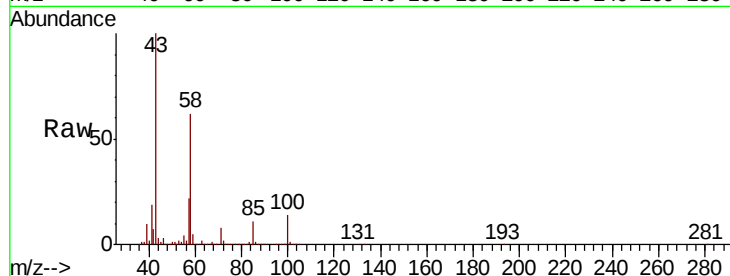




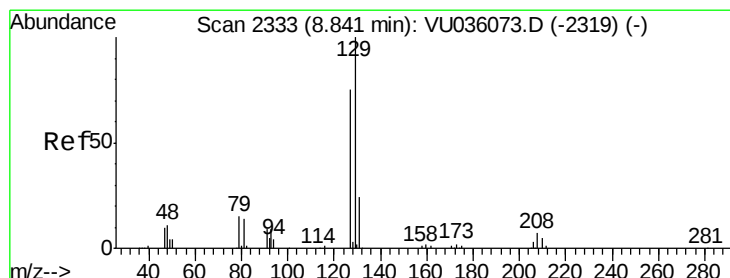
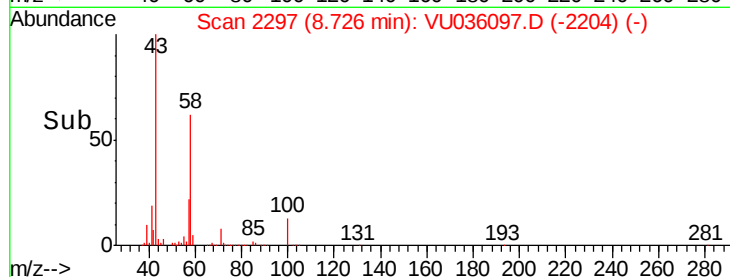
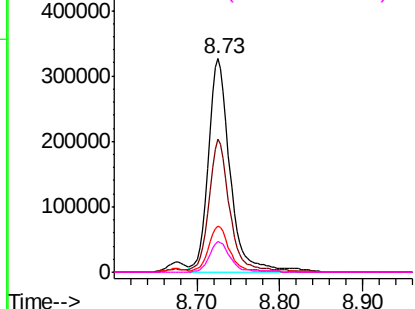
#48
2-Hexanone
Concen: 68.074 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 602587
Ion Ratio Lower Upper
43 100
58 60.3 46.9 70.3
57 20.7 16.4 24.6
100 13.7 11.0 16.4

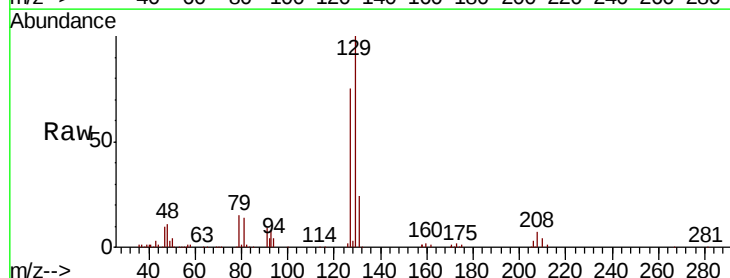


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

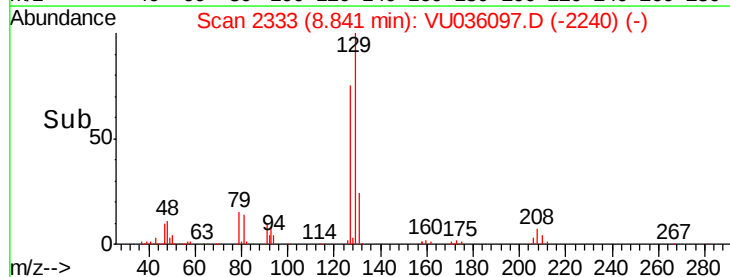
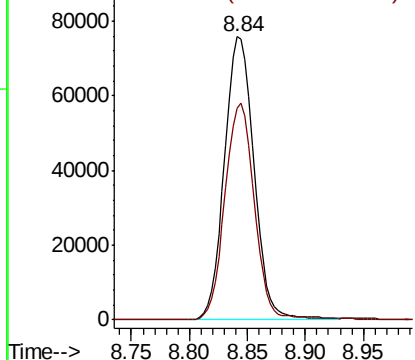


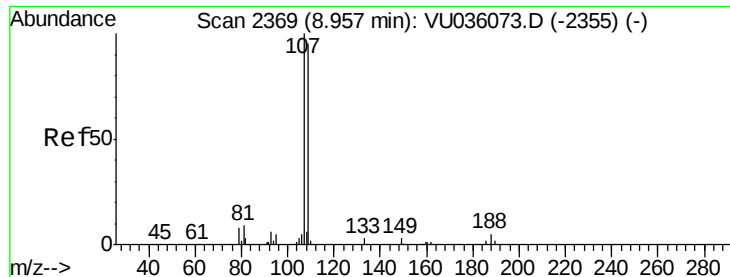
#49
Dibromochloromethane
Concen: 5.415 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Tgt Ion: 129 Resp: 133684
Ion Ratio Lower Upper
129 100
127 74.8 52.5 97.5



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

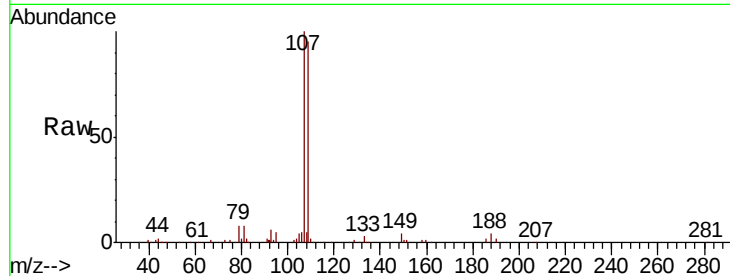




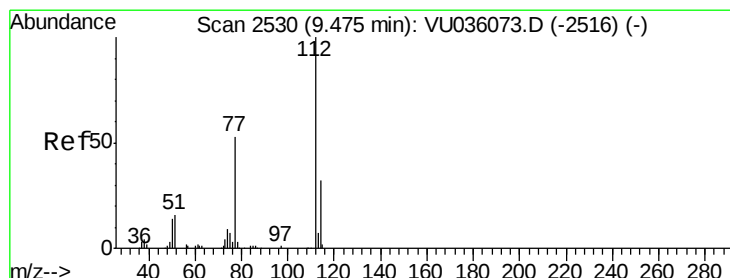
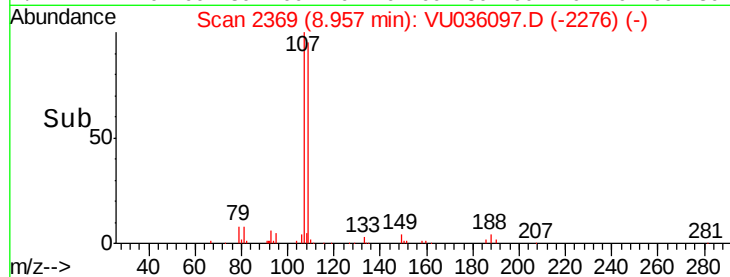
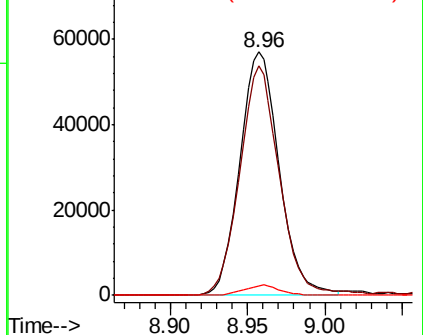
#50
1,2-Dibromoethane
Concen: 5.613 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	64.3	119.3
188	4.0	3.6	5.4

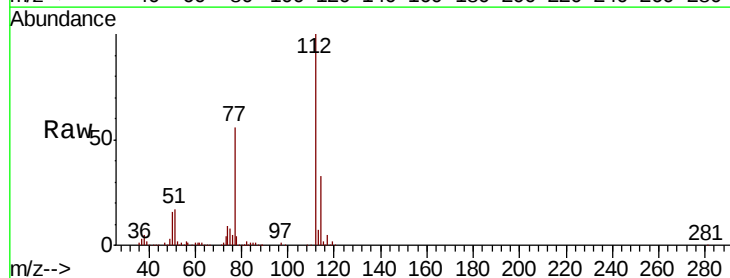


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

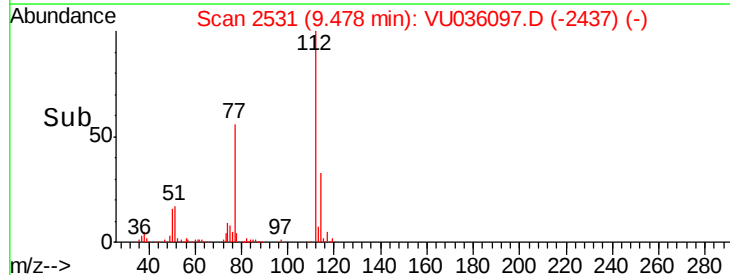
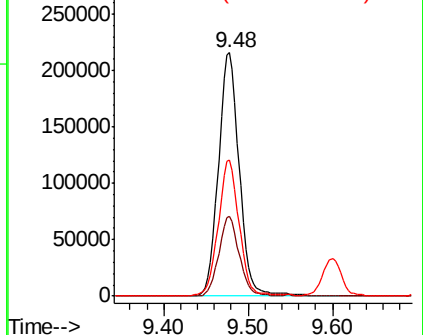


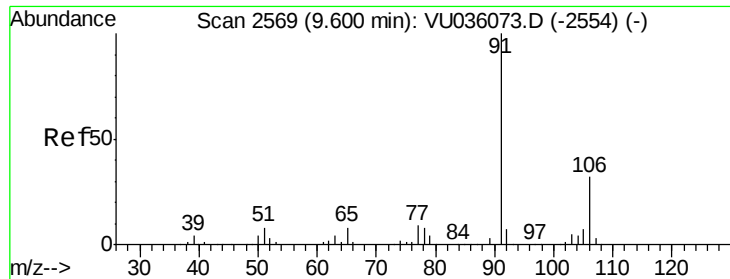
#51
Chlorobenzene
Concen: 5.253 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.3	41.5
77	55.9	43.8	65.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.262 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

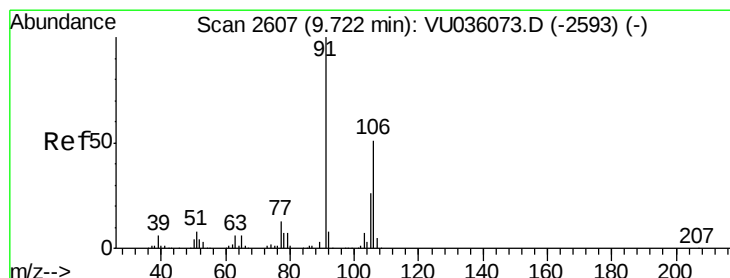
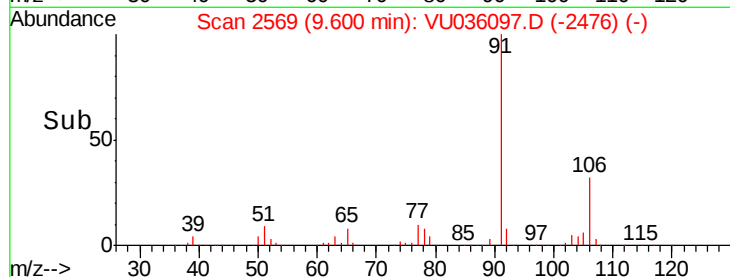
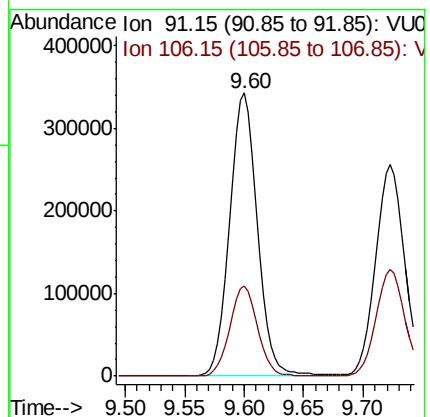
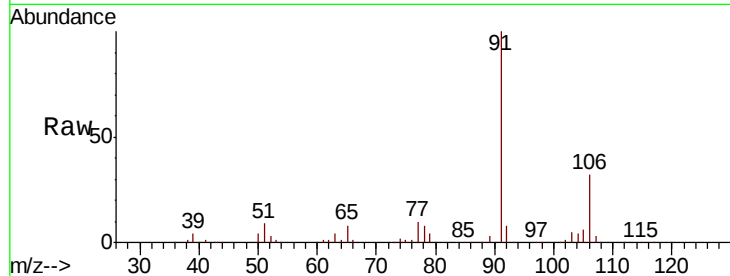
ClientSampleId :

Tot Ion: 91 Resp: 556854

Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



#53

m,p-Xylene

Concen: 5.221 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036097.D

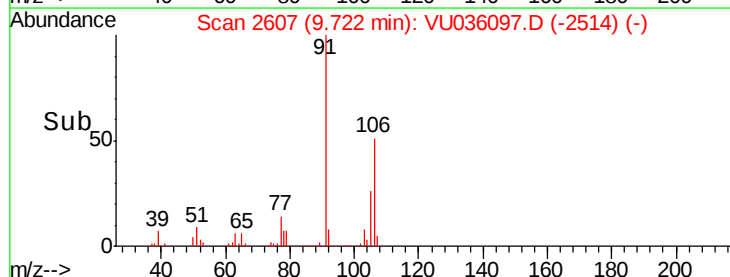
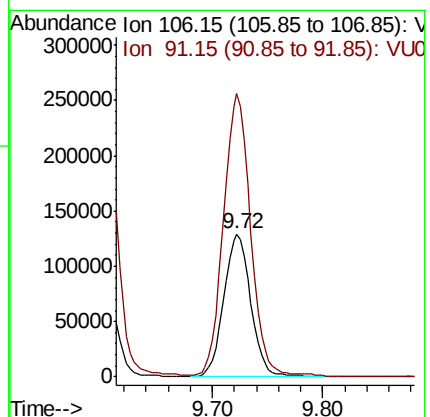
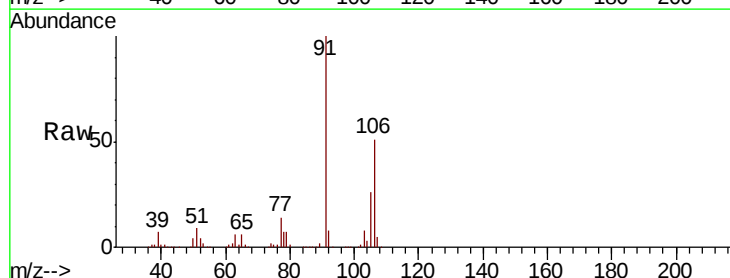
Acq: 10 Dec 2019 21:13

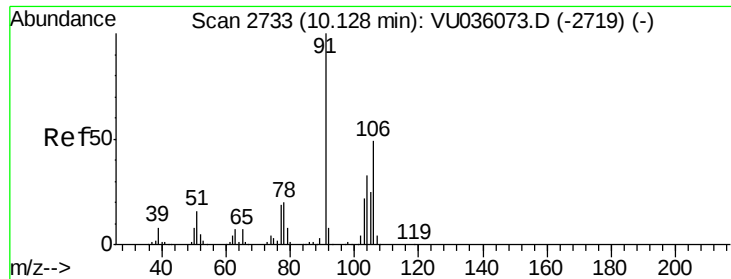
Tgt Ion: 106 Resp: 219995

Ion Ratio Lower Upper

106 100

91 197.7 136.9 254.3

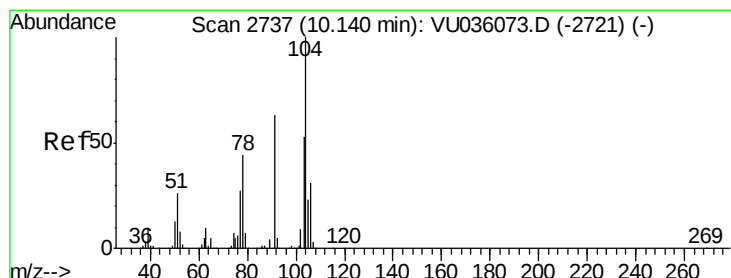
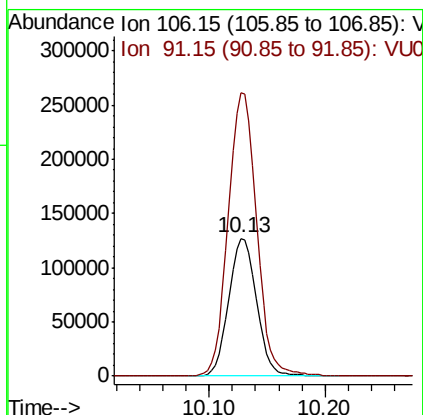
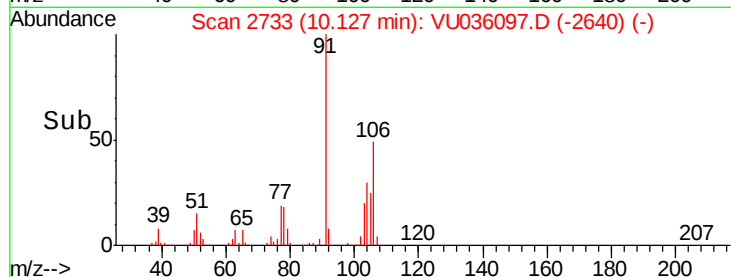
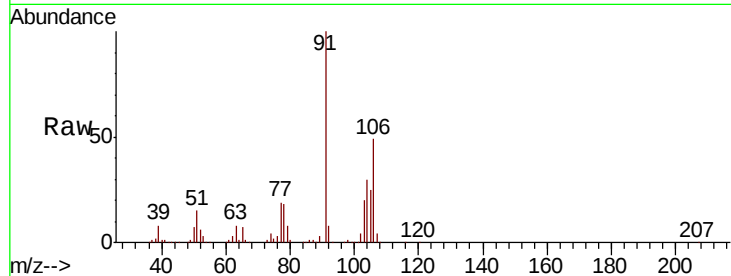




#54
o-Xylene
Concen: 5.333 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

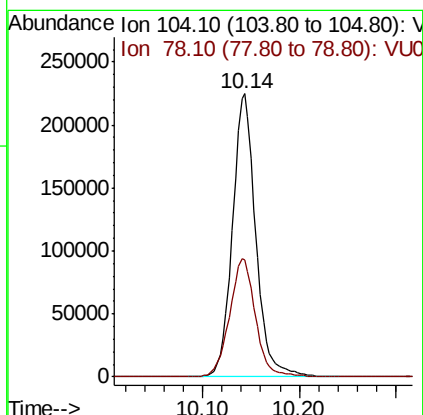
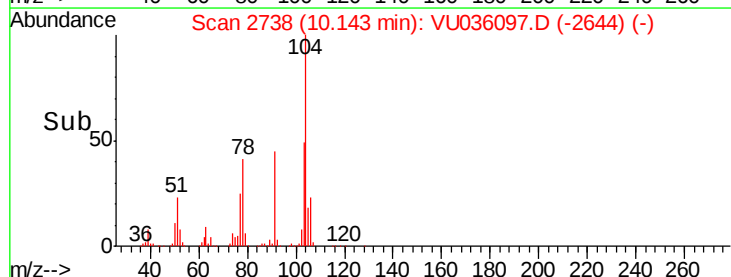
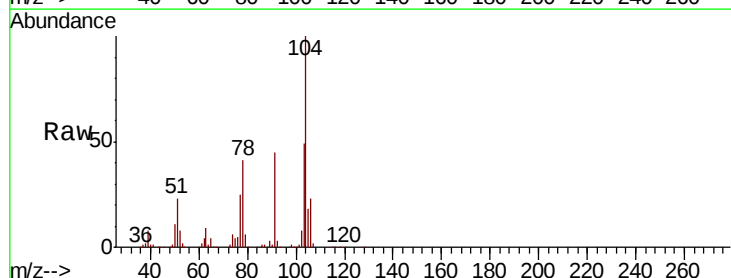
Instrument :
MSVOA_U
ClientSampled :

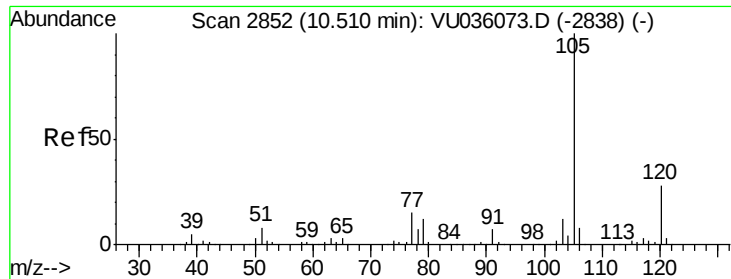
Tot Ion:106 Resp: 211001
Ion Ratio Lower Upper
106 100
91 205.9 140.6 261.2



#55
Styrene
Concen: 5.546 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036097.D
Acq: 10 Dec 2019 21:13

Tgt Ion:104 Resp: 376317
Ion Ratio Lower Upper
104 100
78 41.1 30.5 56.7





#56

Isopropylbenzene

Concen: 5.212 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

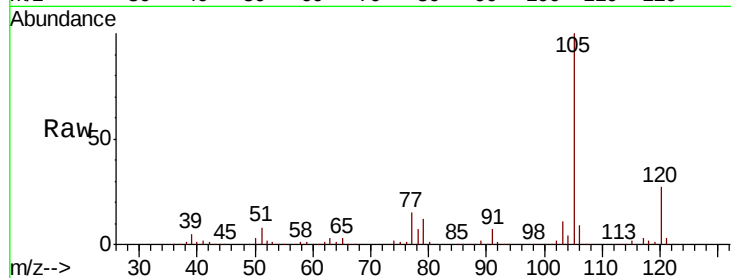
Tot Ion:105 Resp: 544066

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

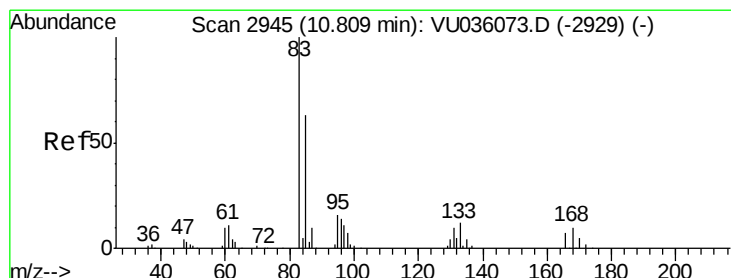
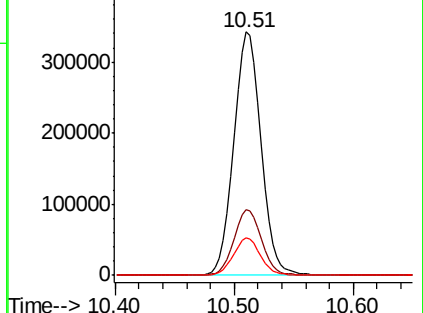
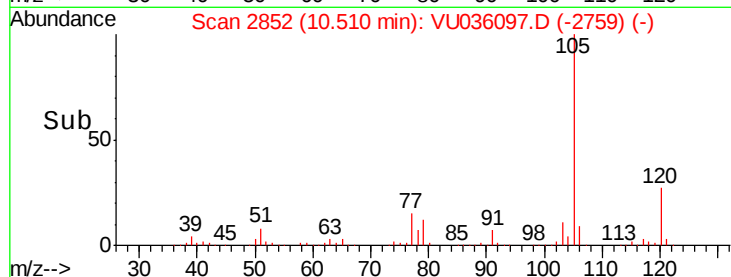
77 15.3 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.453 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

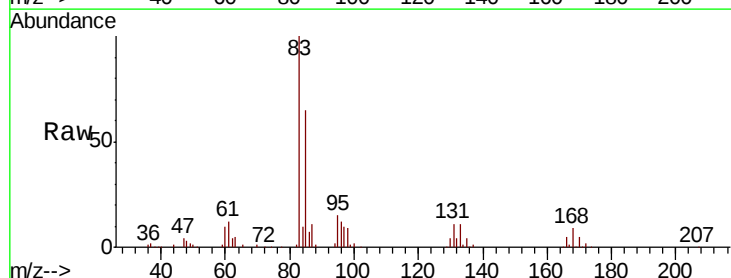
Tgt Ion: 83 Resp: 134091

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

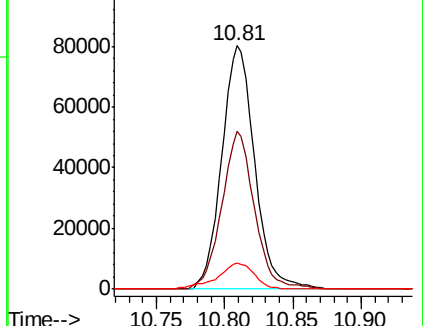
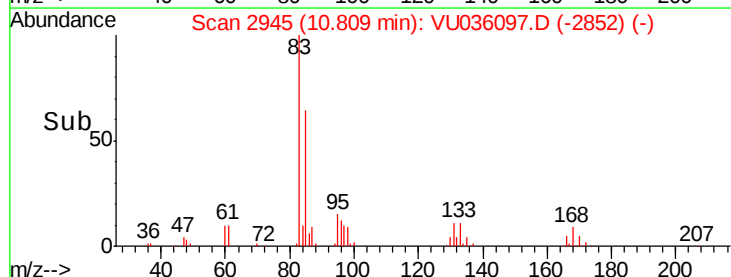
131 10.6 9.0 13.4

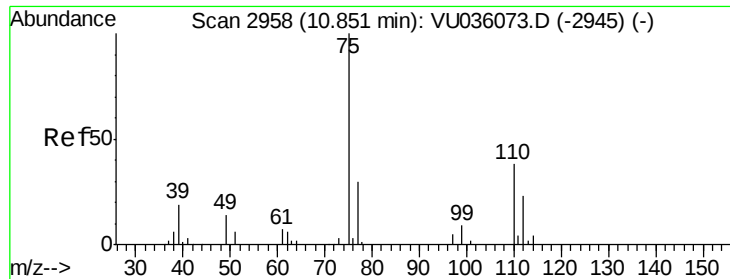


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.785 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

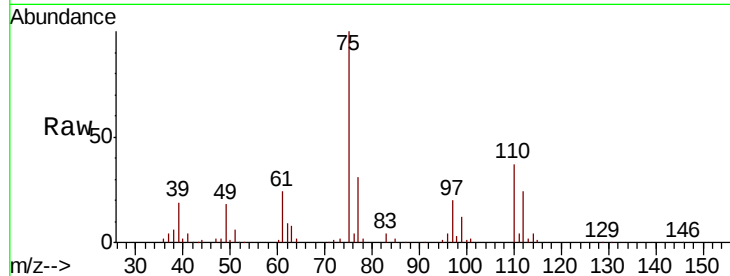
ClientSampleId :

Tot Ion: 75 Resp: 97692

Ion Ratio Lower Upper

75 100

77 31.2 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU036073.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036073.D (-2945) (-)

10.85

60000

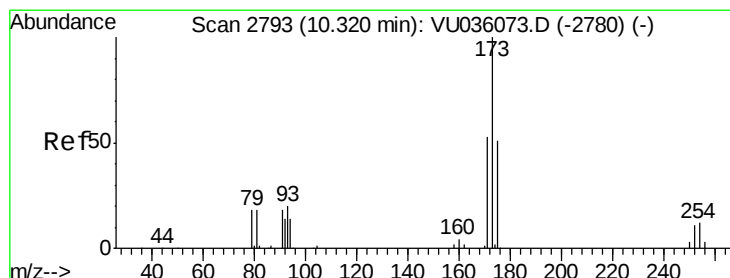
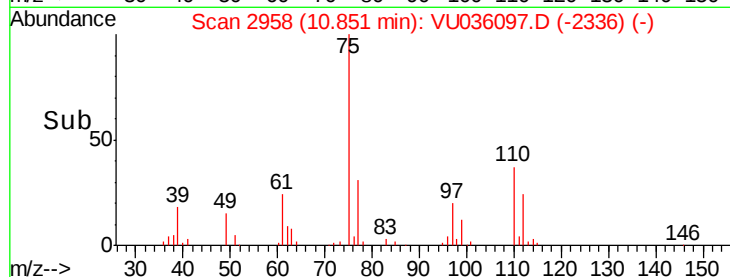
40000

20000

0

10.80 10.90

Time-->



#61

Bromoform

Concen: 4.603 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

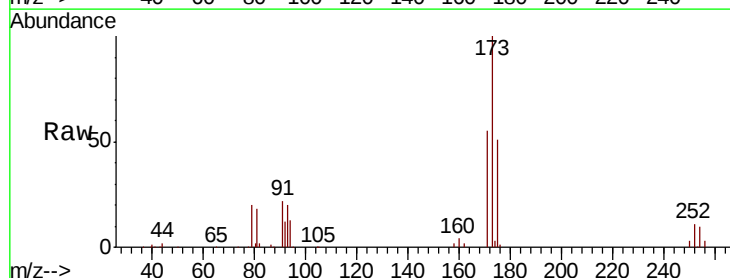
Tgt Ion: 173 Resp: 80211

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

254 10.1 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): VU036073.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU036073.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU036073.D (-2780) (-)

10.32

60000

50000

40000

30000

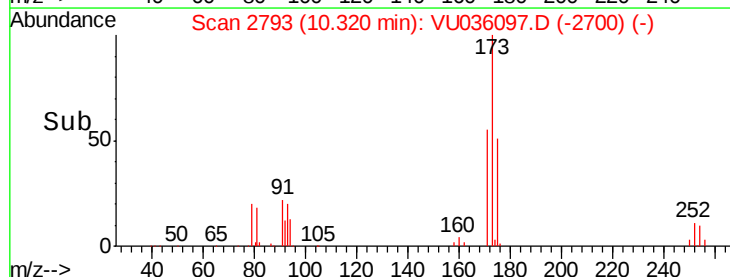
20000

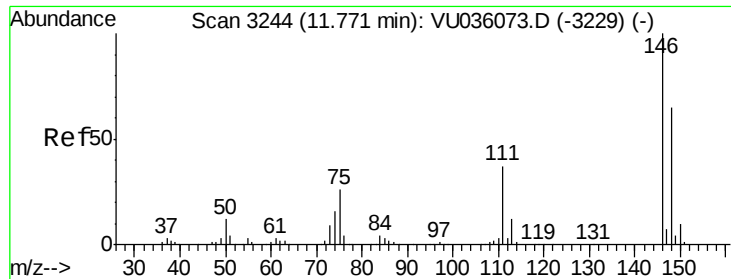
10000

0

10.30 10.40

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.229 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

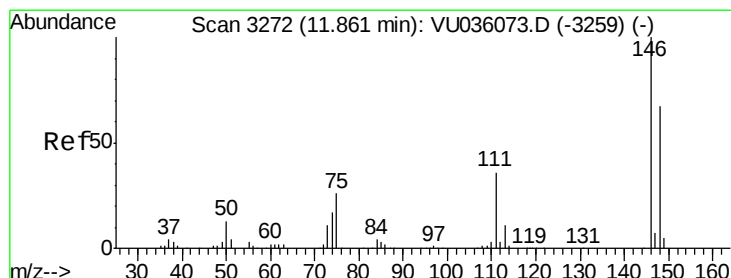
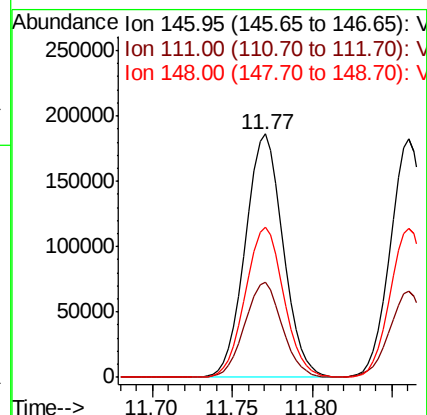
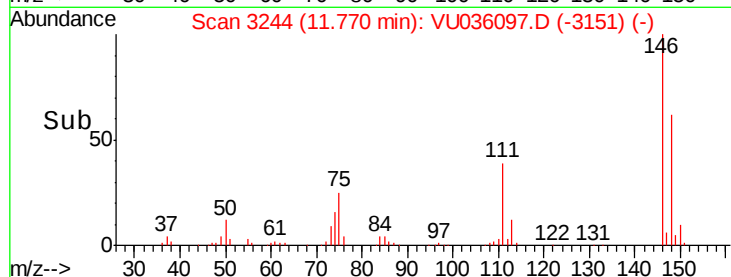
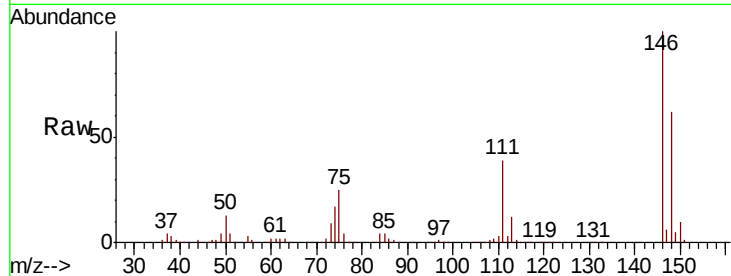
Tot Ion:146 Resp: 299474

Ion Ratio Lower Upper

146 100

111 39.0 26.0 48.2

148 61.9 43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 5.251 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

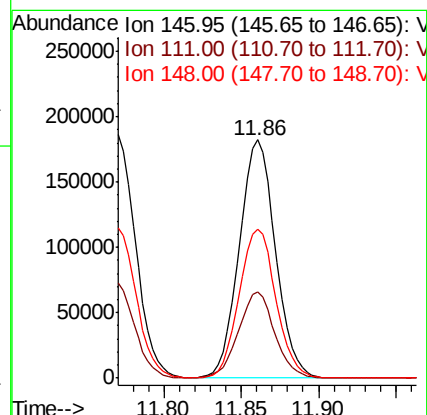
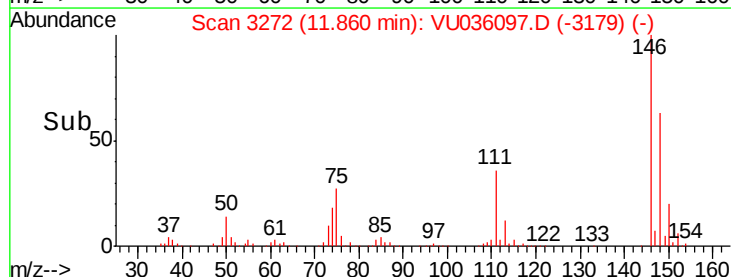
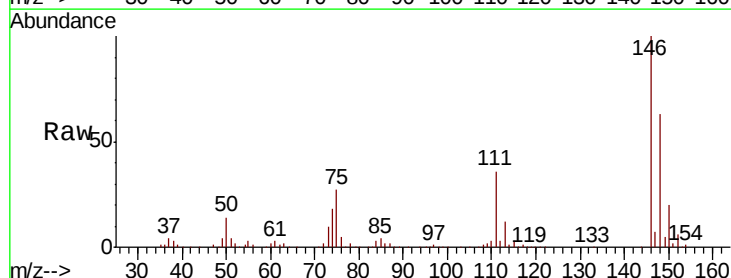
Tgt Ion:146 Resp: 296306

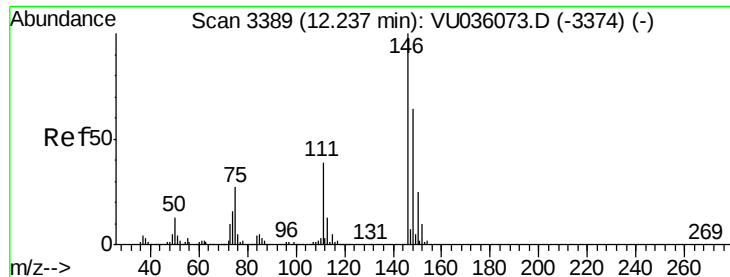
Ion Ratio Lower Upper

146 100

111 36.4 26.2 48.6

148 62.8 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 4.999 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

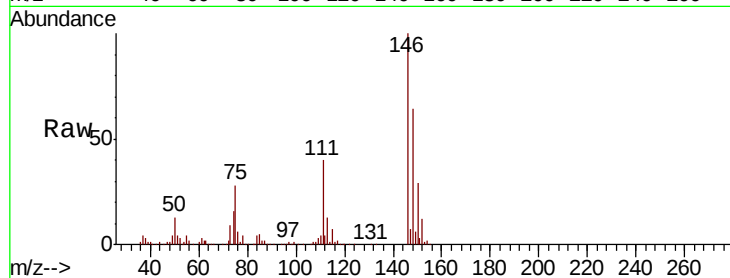
Tot Ion:146 Resp: 282904

Ion Ratio Lower Upper

146 100

111 40.3 31.3 46.9

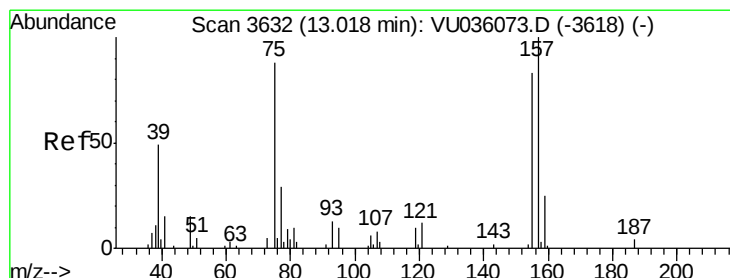
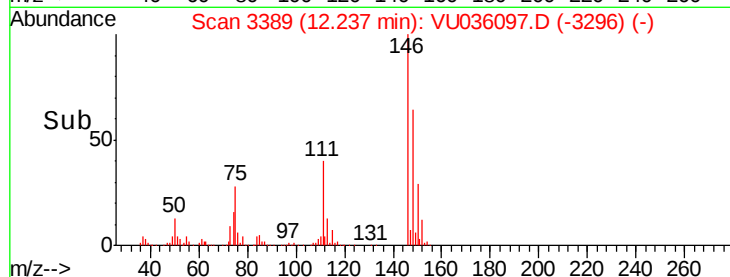
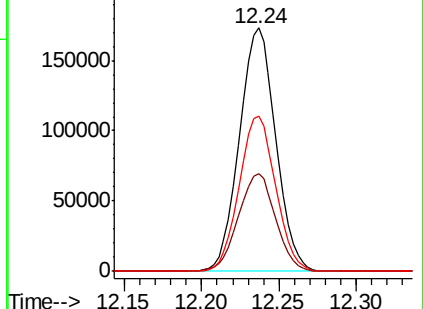
148 63.9 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.303 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

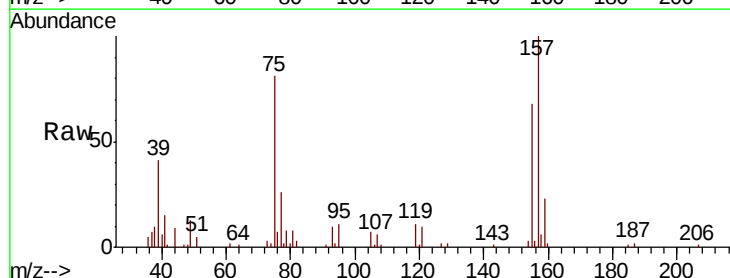
Tgt Ion: 75 Resp: 18852

Ion Ratio Lower Upper

75 100

155 84.7 70.0 105.0

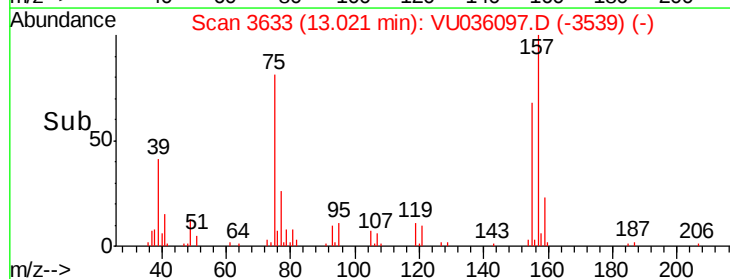
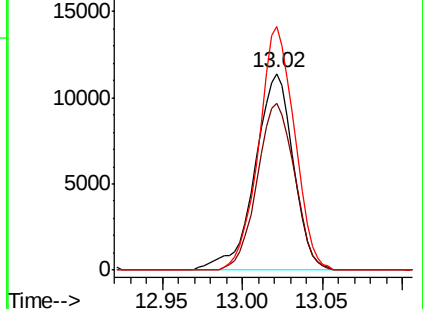
157 124.1 90.5 135.7

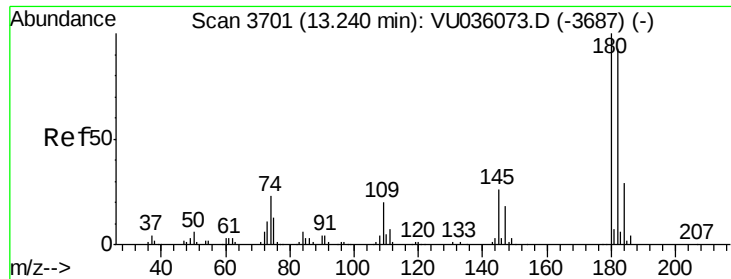


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

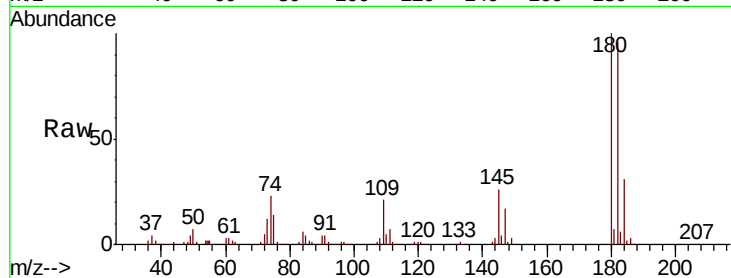




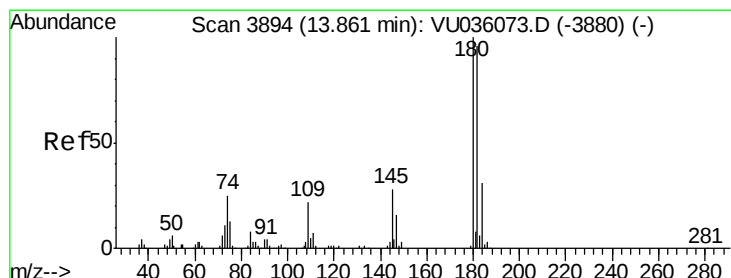
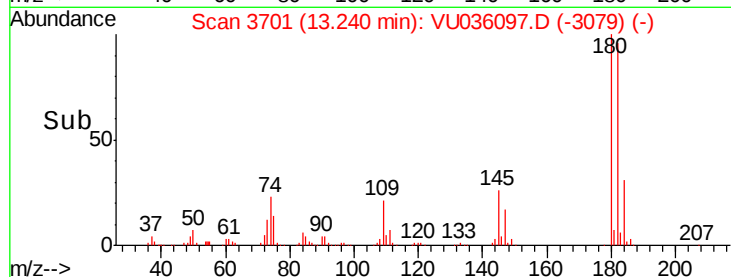
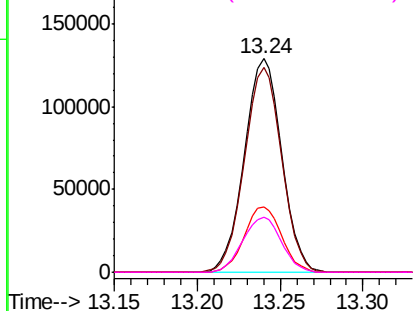
#67
 1,3,5-Trichlorobenzene
 Concen: 5.214 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
184	30.4	24.2	36.2
145	26.8	21.7	32.5

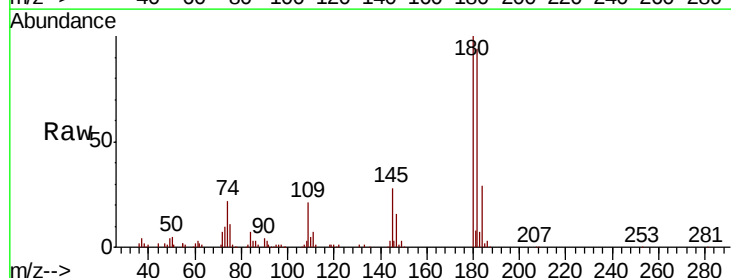


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

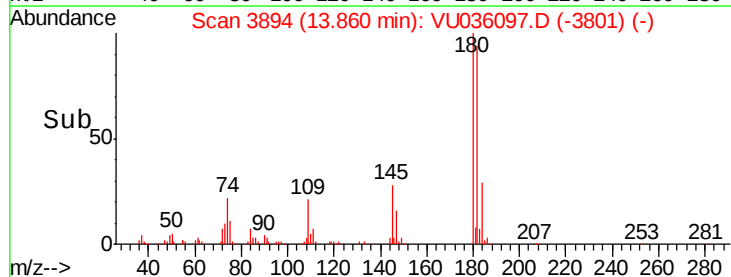
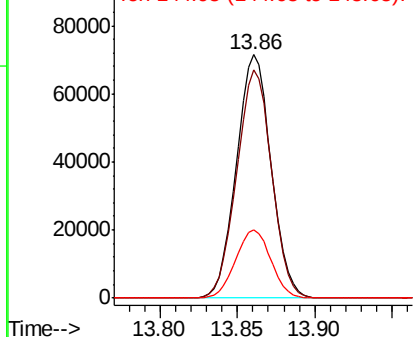


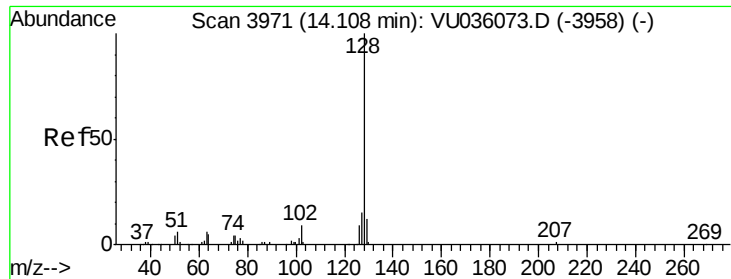
#68
 1,2,4-trichlorobenzene
 Concen: 5.404 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036097.D
 Acq: 10 Dec 2019 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.3	111.5
145	28.3	22.1	33.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.138 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

Instrument :

MSVOA_U

ClientSampleId :

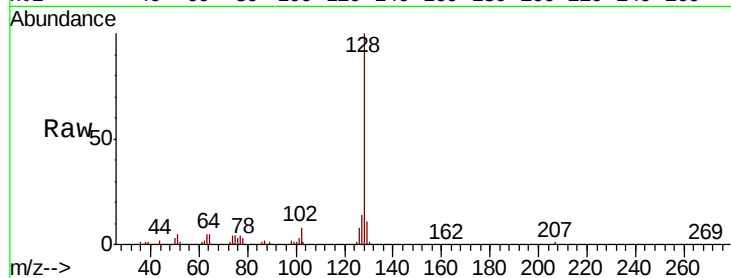
Tot Ion:128 Resp: 101891

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

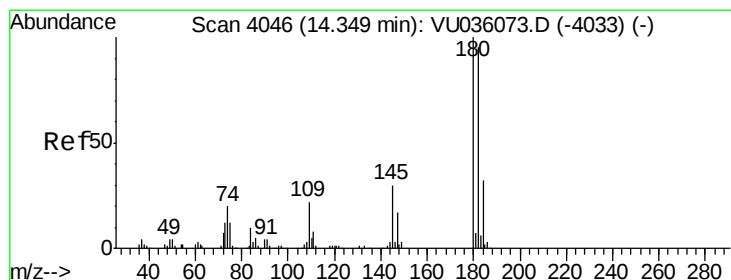
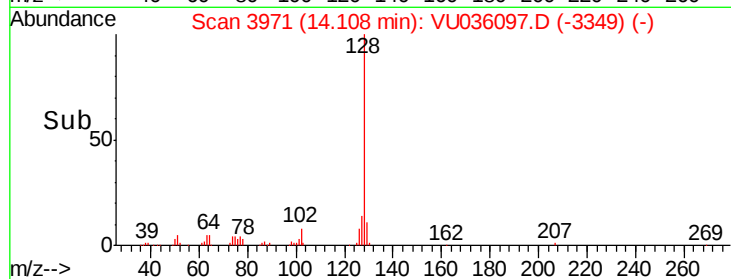
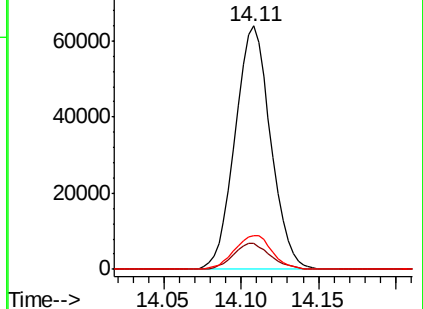
127 14.6 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.502 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036097.D

Acq: 10 Dec 2019 21:13

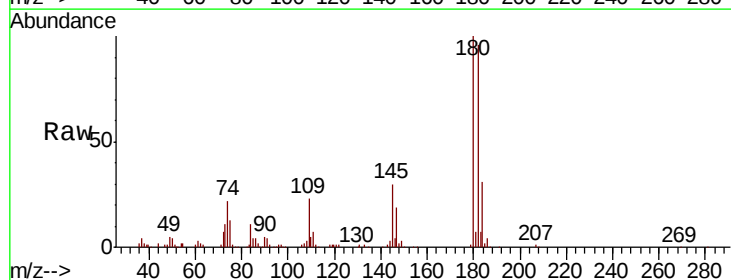
Tgt Ion:180 Resp: 108695

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 30.4 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

