

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034118.D
 Acq On : 31 Aug 2019 12:40
 Operator : JC/SP
 Sample : VSTD01004
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 14:52:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 14:48:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	349346	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	333374	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	183076	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	241573	8.22	ug/L	0.00
7) Chloroethane-d5	1.67	69	195689	8.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	453962	7.99	ug/L	0.00
20) 2-Butanone-d5	4.17	46	577233	82.49	ug/L	0.00
24) Chloroform-d	4.62	84	431829	8.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	204205	7.62	ug/L	0.00
32) Benzene-d6	5.32	84	905504	9.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	282082	9.63	ug/L	0.00
41) Toluene-d8	7.55	98	844101	10.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	104169	9.52	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	462341	103.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	205534	8.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	317422	9.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	342590	8.600 ug/L	99
3) Chloromethane	1.32	50	328798	8.390 ug/L	100
5) Vinyl chloride	1.40	62	348245	8.434 ug/L	99
6) Bromomethane	1.62	94	161875	8.583 ug/L	98
8) Chloroethane	1.69	64	197013	7.728 ug/L	99
9) Trichlorofluoromethane	1.88	101	393572	8.436 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	224652	8.433 ug/L	98
12) 1,1-Dichloroethene	2.27	96	220773	8.495 ug/L	93
13) Acetone	2.32	43	361328	67.125 ug/L	99
14) Carbon disulfide	2.46	76	746592	8.180 ug/L	100
15) Methyl Acetate	2.60	43	100197	6.771 ug/L	100
16) Methylene chloride	2.68	84	237501	7.799 ug/L	99
17) Methyl tert-butyl Ether	2.99	73	555018	8.267 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	236383	8.429 ug/L	96
19) 1,1-Dichloroethane	3.42	63	475551	8.666 ug/L	98
21) 2-Butanone	4.25	43	650687	83.209 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	273681	9.313 ug/L	98
23) Bromochloromethane	4.52	128	116382	8.827 ug/L	99
25) Chloroform	4.65	83	456585	8.044 ug/L	97
27) 1,2-Dichloroethane	5.38	62	268758	8.084 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	380519	9.443 ug/L	99
30) Cyclohexane	4.97	56	458550	10.910 ug/L	99
31) Carbon tetrachloride	5.11	117	334604	9.355 ug/L	99
33) Benzene	5.37	78	1048144	10.060 ug/L	100
34) Trichloroethene	6.16	95	270638	9.959 ug/L	99
35) Methylcyclohexane	6.39	83	457636	10.952 ug/L	99
37) 1,2-Dichloropropane	6.41	63	265927	9.372 ug/L	100
38) Bromodichloromethane	6.74	83	309986	8.995 ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	383287	10.244 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	1532160	91.488 ug/L	99

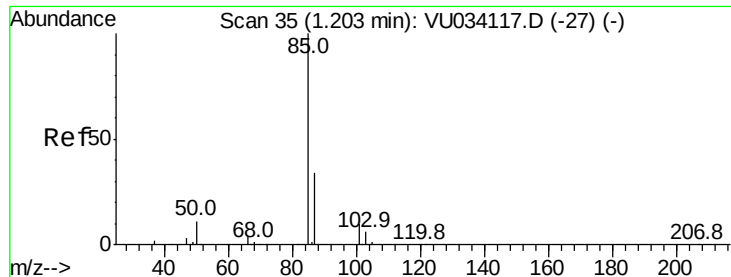
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 31 14:48:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1123352	10.655	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	292354	9.722	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	171701	9.052	ug/L	98
47) Tetrachloroethene	8.21	164	221604	10.344	ug/L	95
48) 2-Hexanone	8.35	43	1069793	91.481	ug/L	98
49) Dibromochloromethane	8.46	129	207234	9.260	ug/L	98
50) 1,2-Dibromoethane	8.57	107	162247	9.011	ug/L	99
51) Chlorobenzene	9.10	112	698431	10.081	ug/L	98
52) Ethylbenzene	9.23	91	1219384	10.943	ug/L	98
53) m,p-Xylene	9.36	106	469716	11.244	ug/L	97
54) o-Xylene	9.76	106	454029	11.471	ug/L	96
55) Styrene	9.77	104	777636	11.511	ug/L	99
56) Isopropylbenzene	10.15	105	1205247	11.454	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	217213	8.740	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	154934	8.742	ug/L	99
61) Bromoform	9.94	173	116484	8.630	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	586466	10.214	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	579422	9.750	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	533035	9.700	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	33675	8.216	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	473317	10.501	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	388037	11.481	ug/L	98
69) Naphthalene	13.73	128	622300	11.909	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	351137	10.890	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 8.600 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

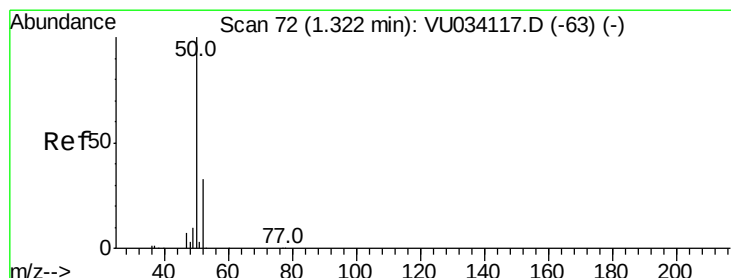
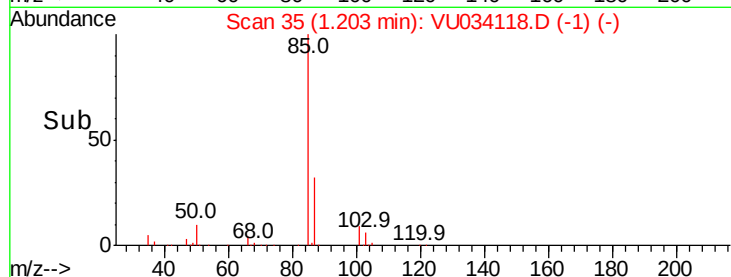
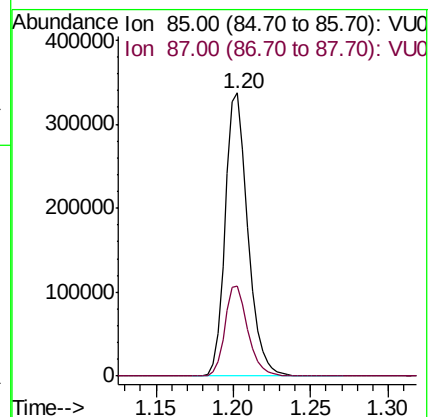
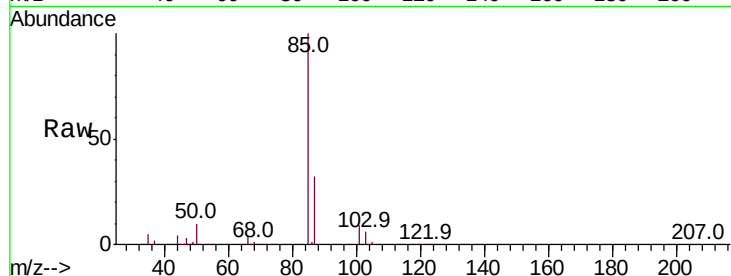
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 342590

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.2



#3

Chloromethane

Concen: 8.390 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034118.D

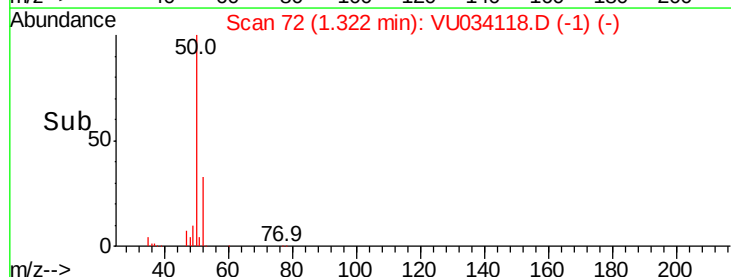
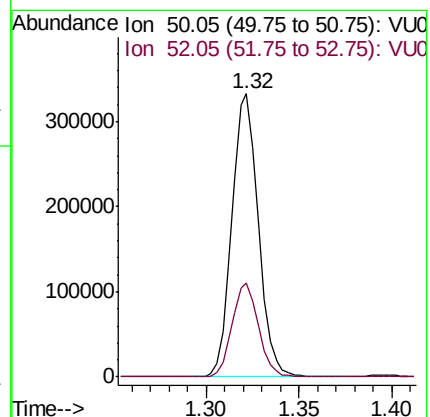
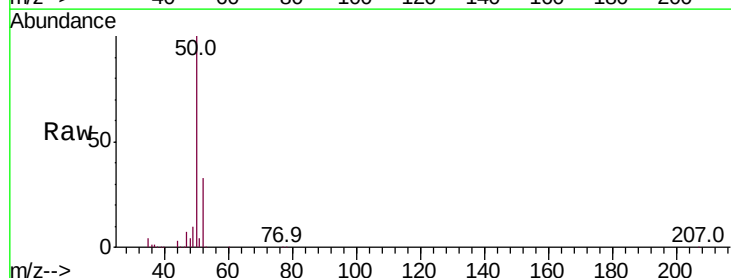
Acq: 31 Aug 2019 12:40

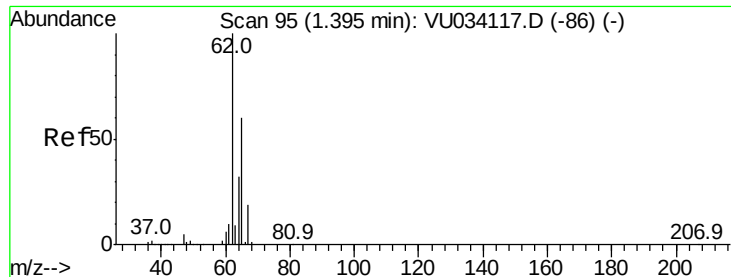
Tgt Ion: 50 Resp: 328798

Ion Ratio Lower Upper

50 100

52 33.0 23.1 42.9





#5

Vinyl chloride

Concen: 8.434 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

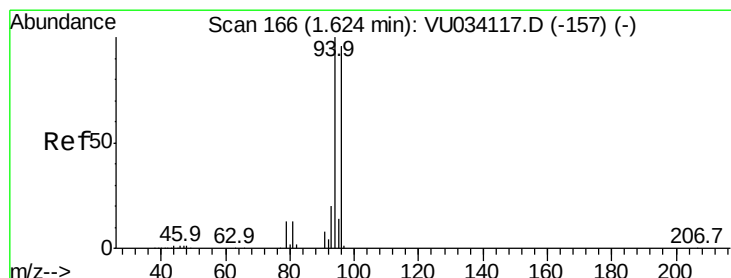
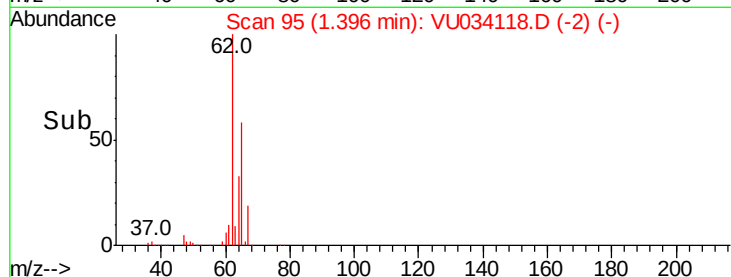
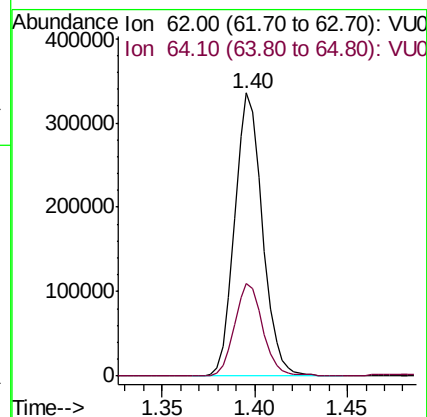
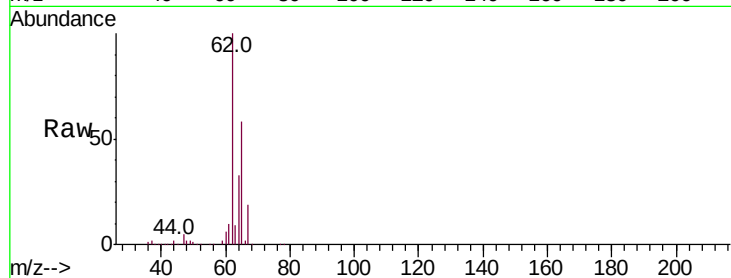
ClientSampleId :

Tot Ion: 62 Resp: 348245

Ion Ratio Lower Upper

62 100

64 32.9 22.6 42.0



#6

Bromomethane

Concen: 8.583 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034118.D

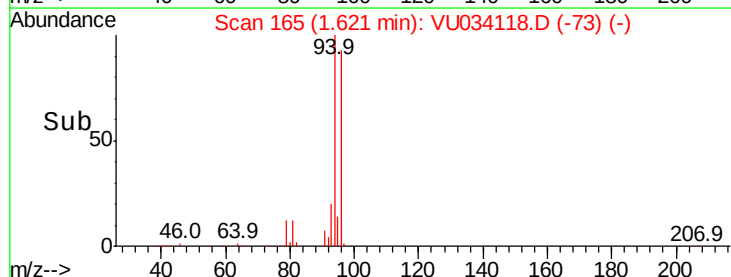
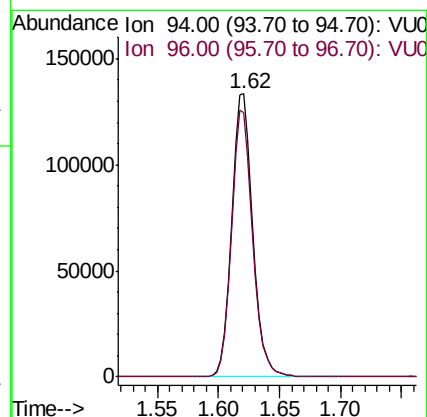
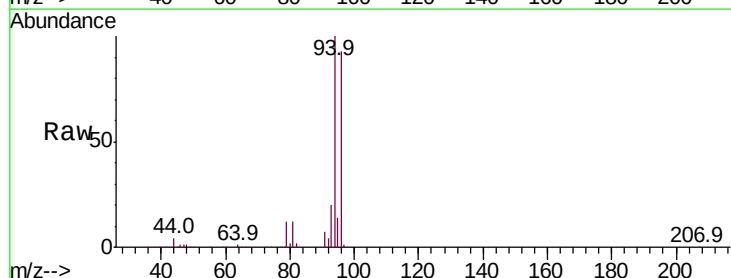
Acq: 31 Aug 2019 12:40

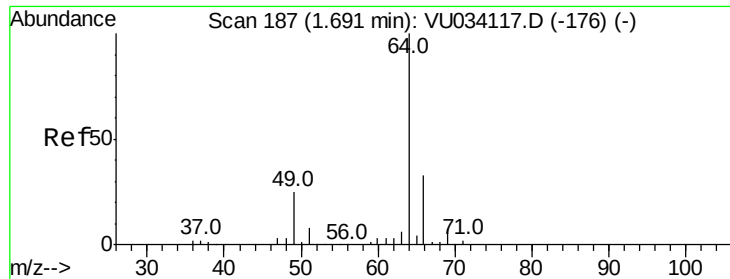
Tgt Ion: 94 Resp: 161875

Ion Ratio Lower Upper

94 100

96 93.3 67.0 124.4





#8

Chloroethane

Concen: 7.728 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

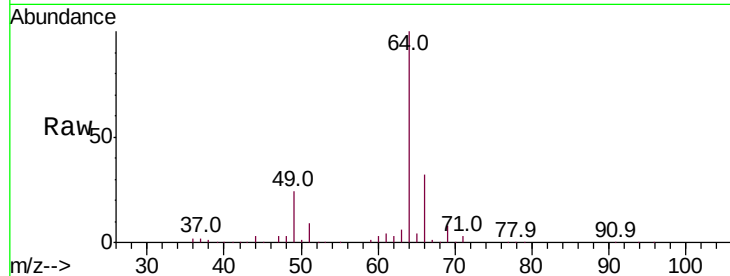
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 197013

Ion Ratio Lower Upper

64 100

66 32.0 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU034118.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU034118.D (-176) (-)

1.69

150000

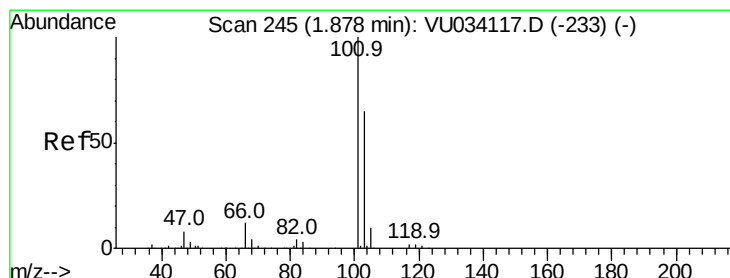
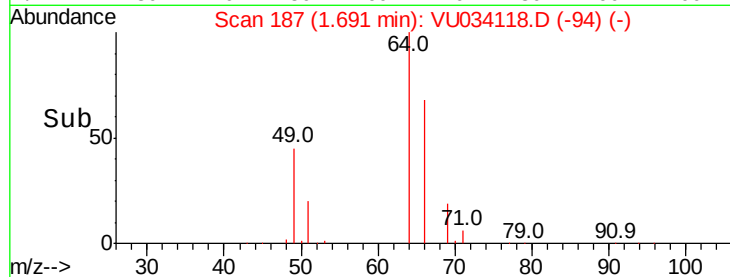
100000

50000

0

1.60 1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 8.436 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034118.D

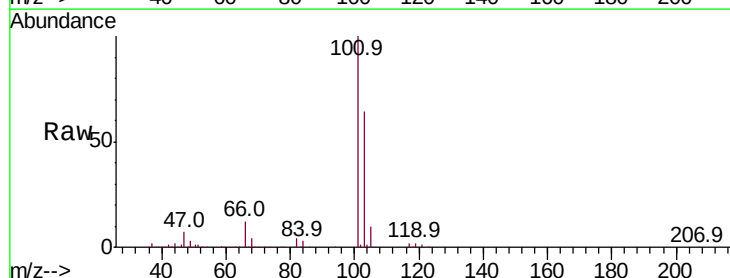
Acq: 31 Aug 2019 12:40

Tgt Ion:101 Resp: 393572

Ion Ratio Lower Upper

101 100

103 64.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU034118.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034118.D (-233) (-)

1.88

300000

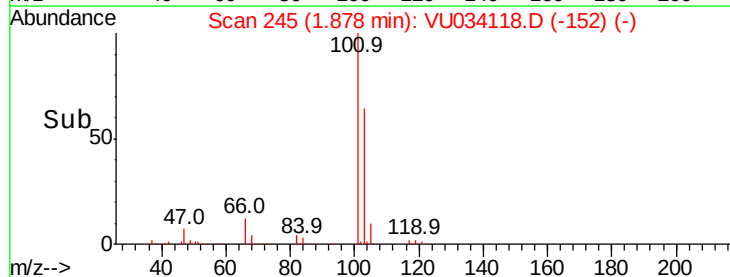
200000

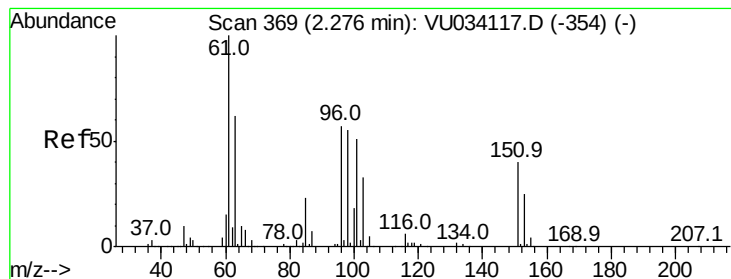
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 8.433 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampleId :

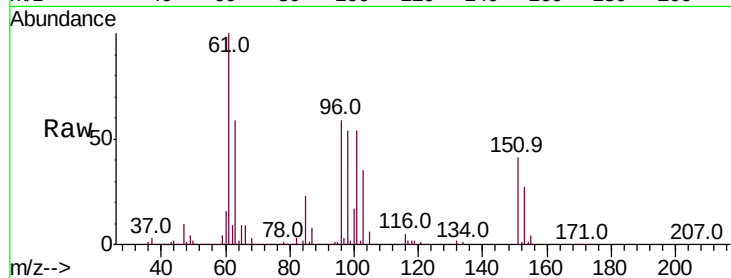
Tot Ion:101 Resp: 224652

Ion Ratio Lower Upper

101 100

85 43.0 35.0 52.4

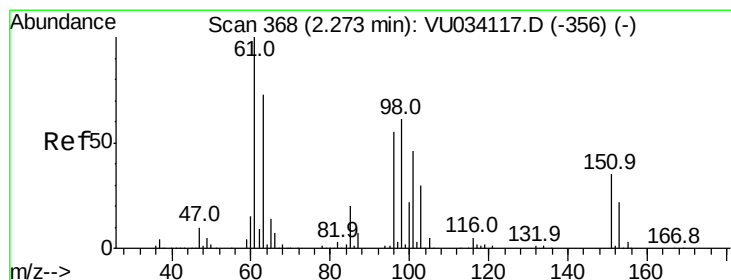
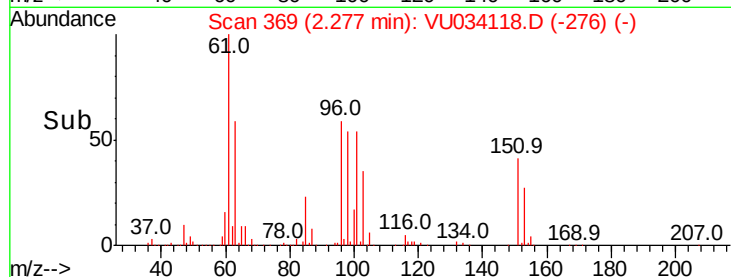
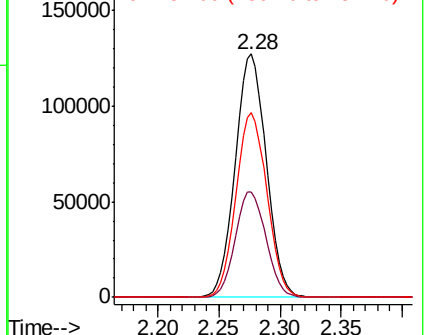
151 75.7 62.0 93.0



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: 8.495 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

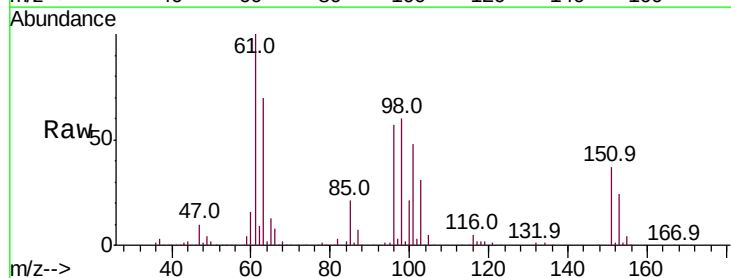
Tgt Ion: 96 Resp: 220773

Ion Ratio Lower Upper

96 100

61 175.1 126.6 235.0

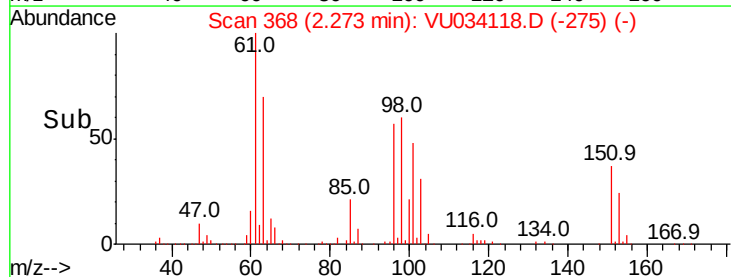
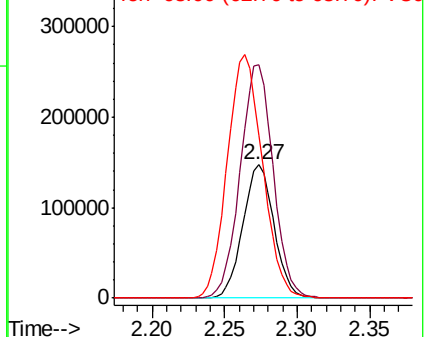
63 122.4 94.5 175.5

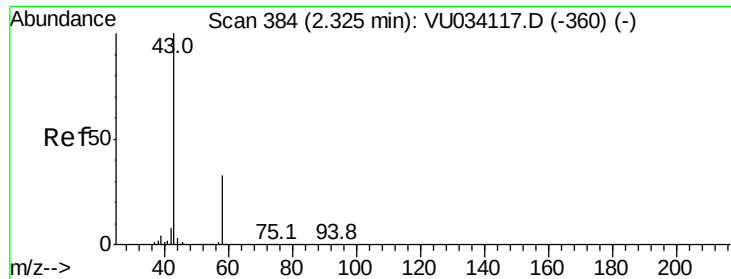


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 67.125 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

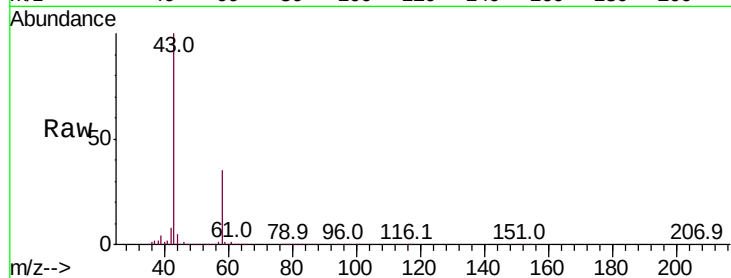
ClientSampleId :

Tot Ion: 43 Resp: 361328

Ion Ratio Lower Upper

43 100

58 34.1 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034118.D (-381) (-)

Ion 58.05 (57.75 to 58.75): VU034118.D (-381) (-)

2.32

200000

150000

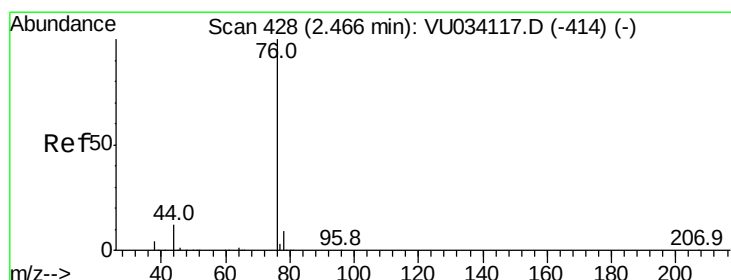
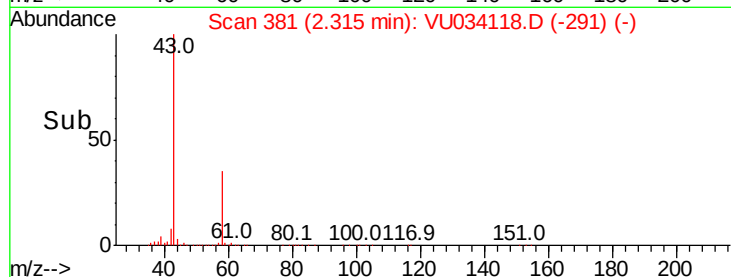
100000

50000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 8.180 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034118.D

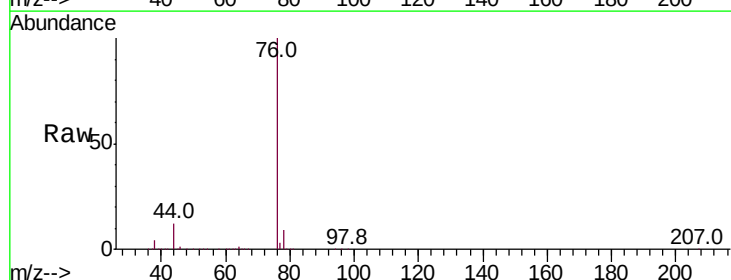
Acq: 31 Aug 2019 12:40

Tgt Ion: 76 Resp: 746592

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU034118.D (-427) (-)

Ion 78.00 (77.70 to 78.70): VU034118.D (-427) (-)

2.46

500000

400000

300000

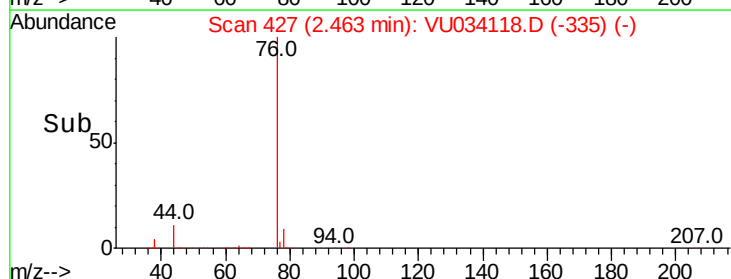
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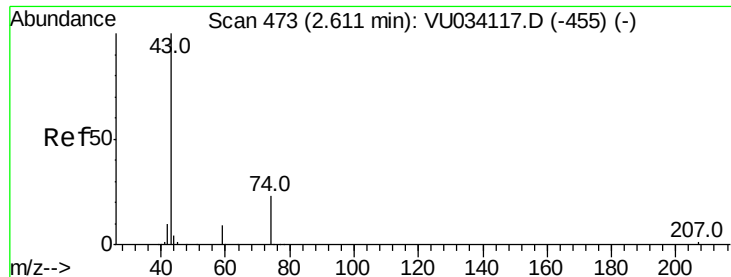
100000

0

2.40 2.45 2.50 2.55

Time-->





#15

Methvl Acetate

Concen: 6.771 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

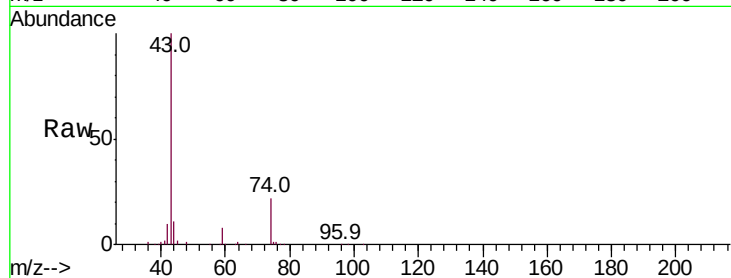
ClientSampleId :

Tot Ion: 43 Resp: 100197

Ion Ratio Lower Upper

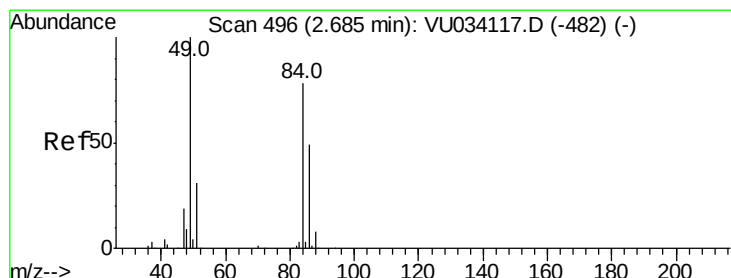
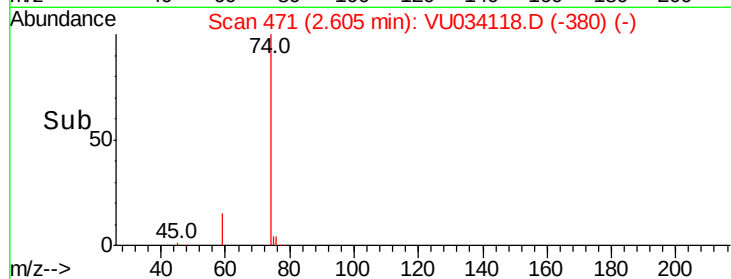
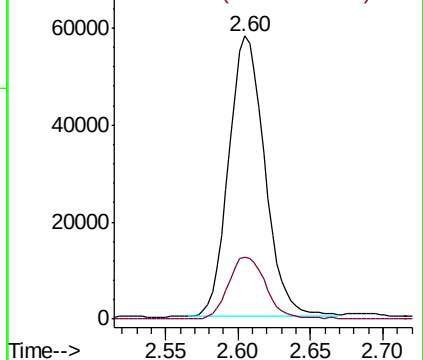
43 100

74 23.0 18.4 27.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 7.799 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

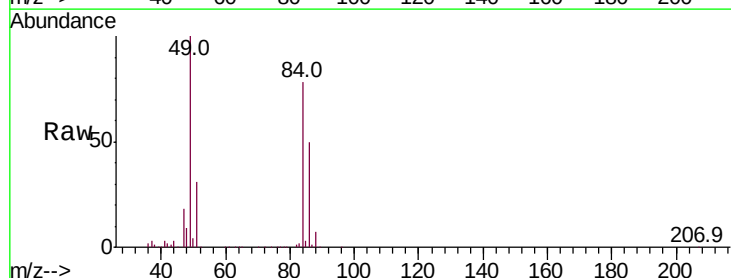
Tgt Ion: 84 Resp: 237501

Ion Ratio Lower Upper

84 100

86 64.5 44.4 82.5

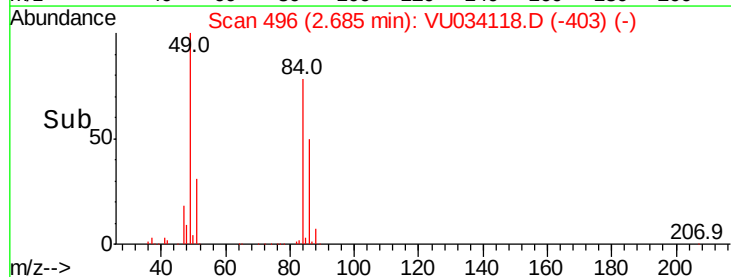
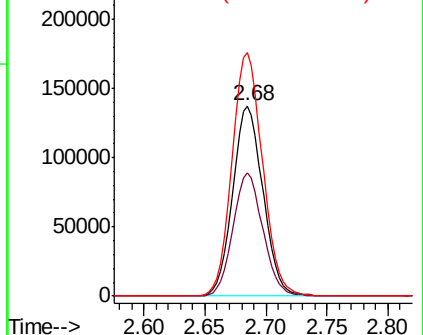
49 127.9 90.2 167.4

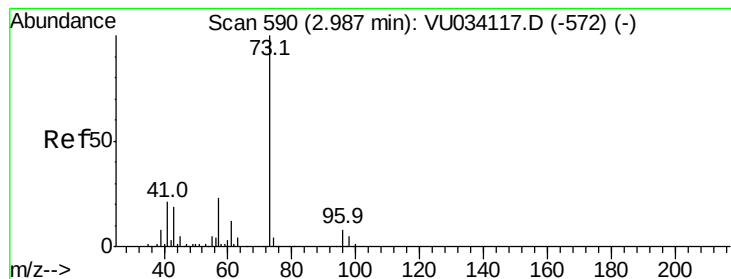


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 8.267 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :
MSVOA_U
ClientSampleId :

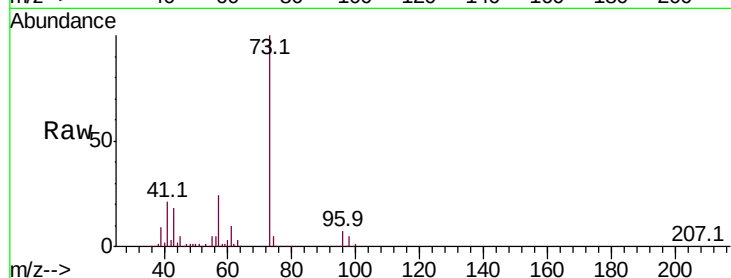
Tot Ion: 73 Resp: 555018

Ion Ratio Lower Upper

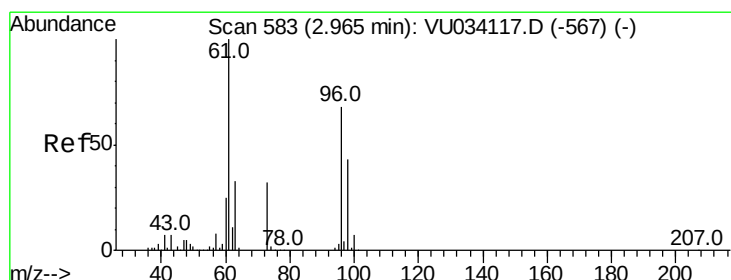
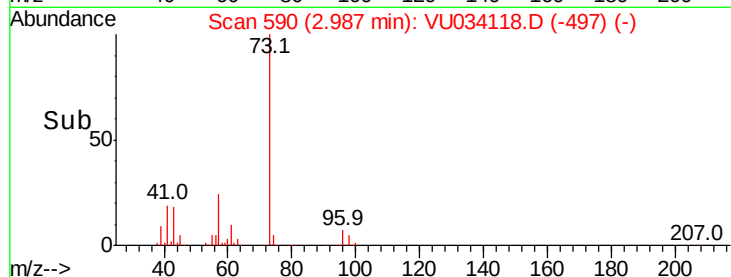
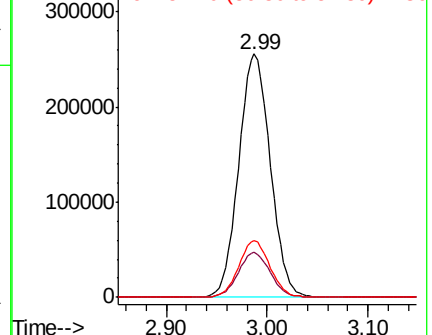
73 100

43 18.3 14.7 22.1

57 23.1 18.6 27.8



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: 8.429 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

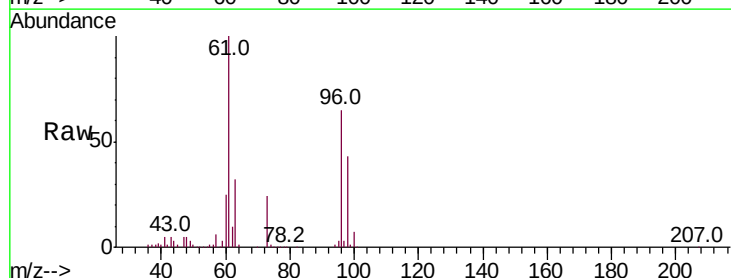
Tgt Ion: 96 Resp: 236383

Ion Ratio Lower Upper

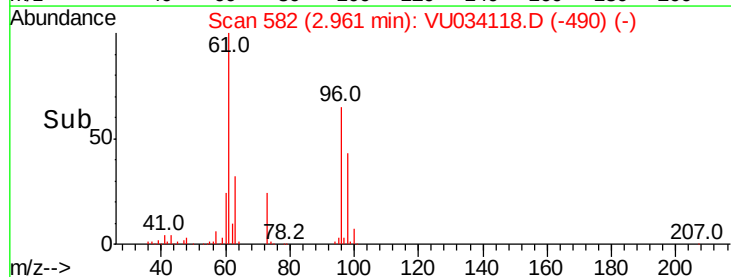
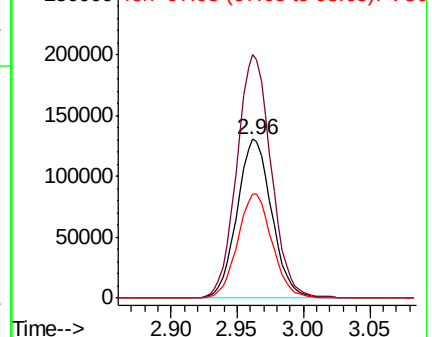
96 100

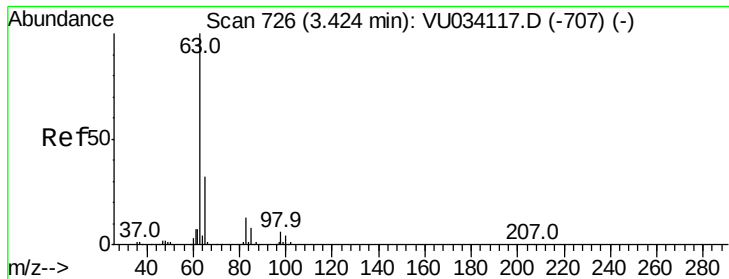
61 153.5 103.5 192.3

98 65.6 44.9 83.3



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





#19

1,1-Dichloroethane

Concen: 8.666 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampled :

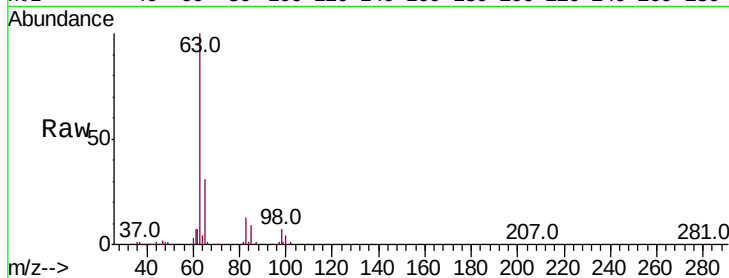
Tot Ion: 63 Resp: 475551

Ion Ratio Lower Upper

63 100

65 30.6 22.5 41.9

83 12.8 9.1 16.9

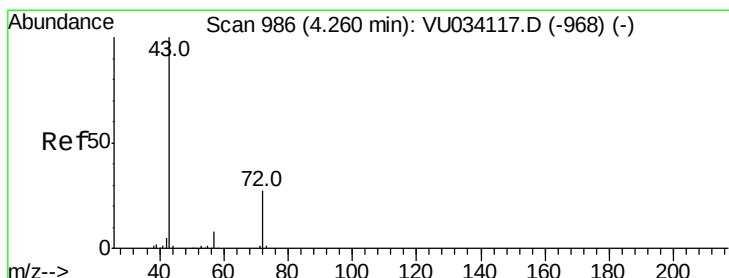
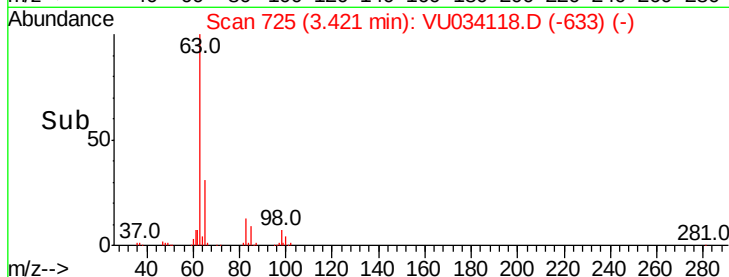
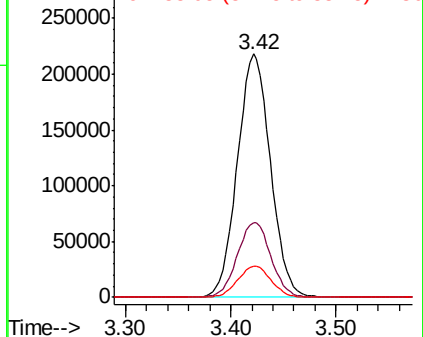


Abundance Ion 63.10 (62.80 to 63.80): VU034118.D (-633) (-)

300000

Ion 65.10 (64.80 to 65.80): VU034118.D (-633) (-)

Ion 83.05 (82.75 to 83.75): VU034118.D (-633) (-)



#21

2-Butanone

Concen: 83.209 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.01 min

Lab File: VU034118.D

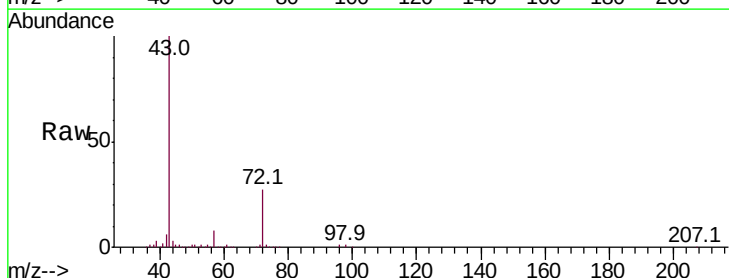
Acq: 31 Aug 2019 12:40

Tgt Ion: 43 Resp: 650687

Ion Ratio Lower Upper

43 100

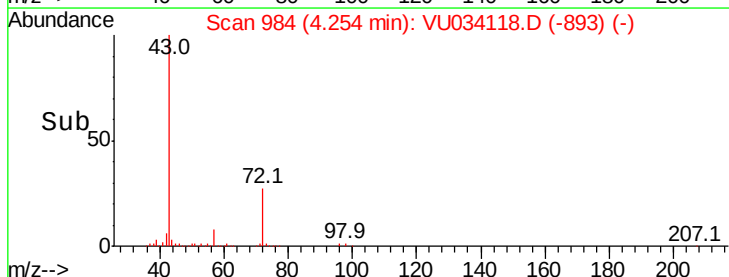
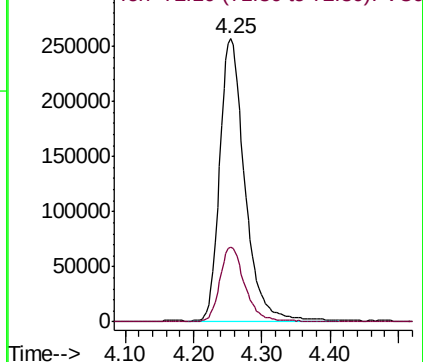
72 25.8 13.3 39.8

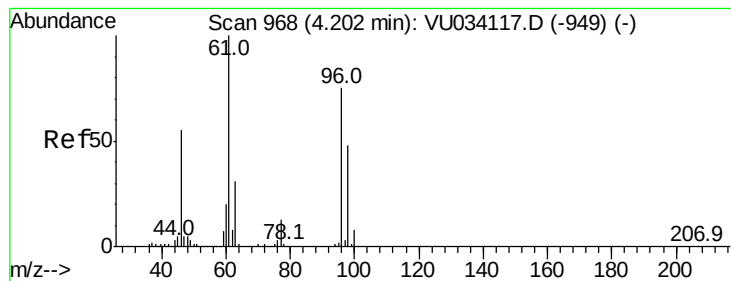


Abundance Ion 43.05 (42.75 to 43.75): VU034118.D (-893) (-)

300000

Ion 72.10 (71.80 to 72.80): VU034118.D (-893) (-)



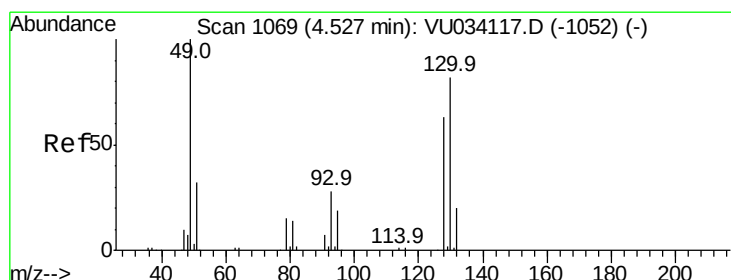
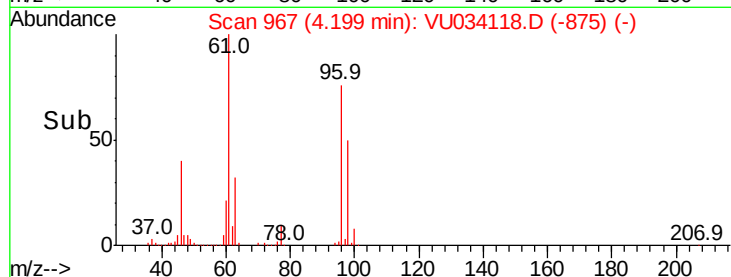
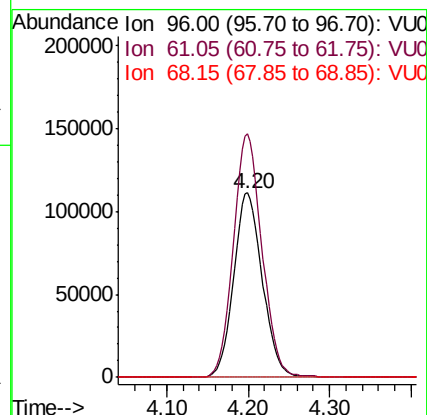
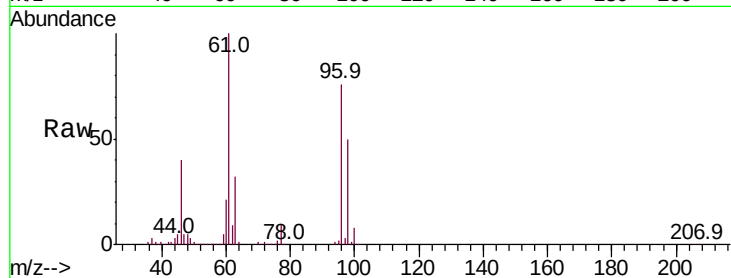


#22

cis-1,2-Dichloroethene
Concen: 9.313 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Instrument :
MSVOA_U
ClientSampleId :

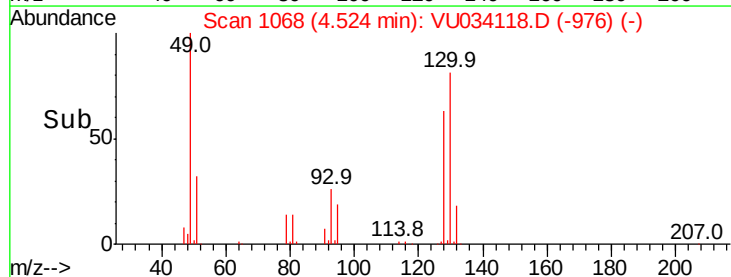
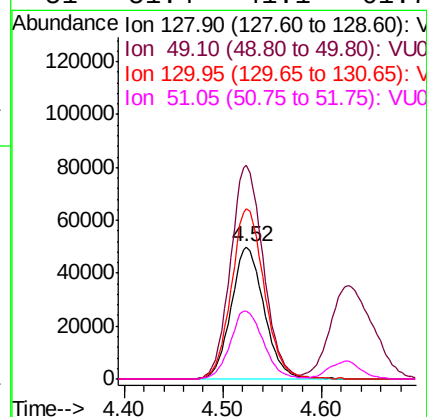
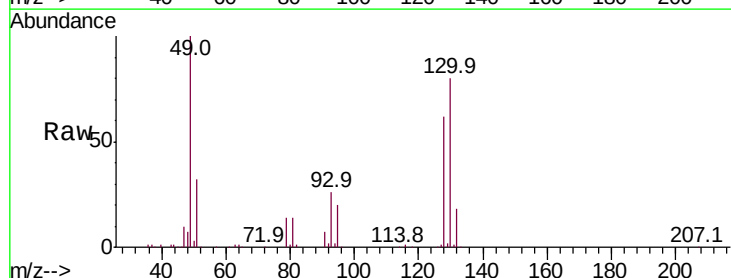
Tot Ion	96	Resp	273681
Ion	Ratio	Lower	Upper
96	100		
61	131.9	93.6	173.8
68	0.0	0.0	0.0

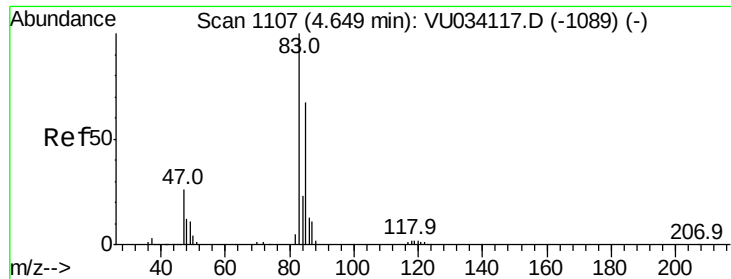


#23

Bromochloromethane
Concen: 8.827 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Tgt Ion	128	Resp	116382
Ion	Ratio	Lower	Upper
128	100		
49	161.7	110.8	205.8
130	129.2	90.8	168.6
51	51.4	41.1	61.7

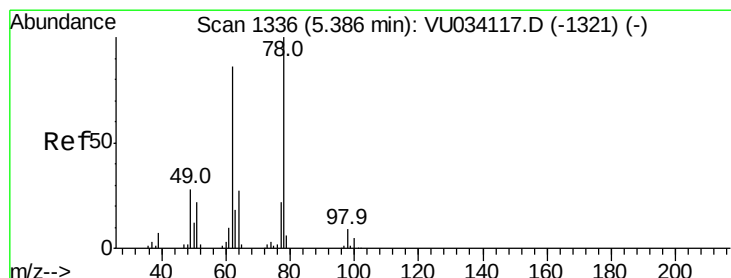
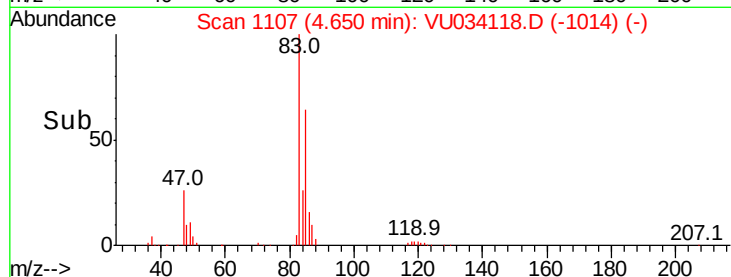
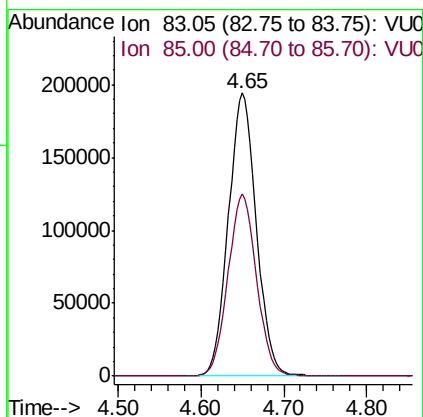
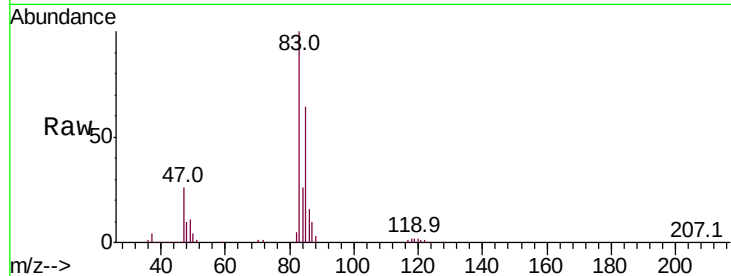




#25
Chloroform
Concen: 8.044 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

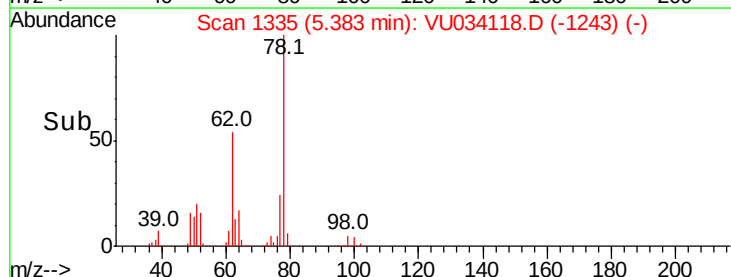
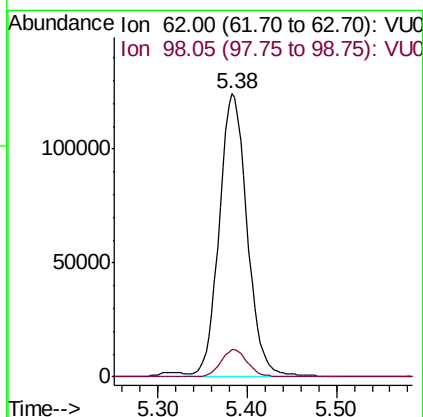
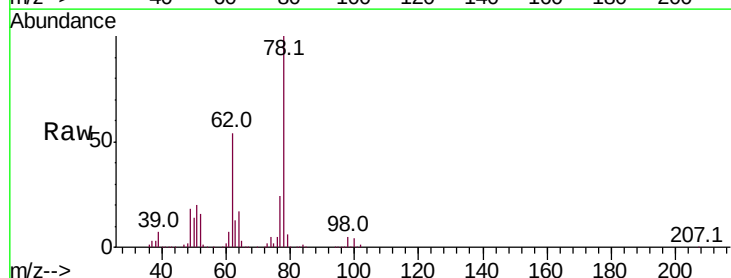
Instrument :
MSVOA_U
ClientSampled :

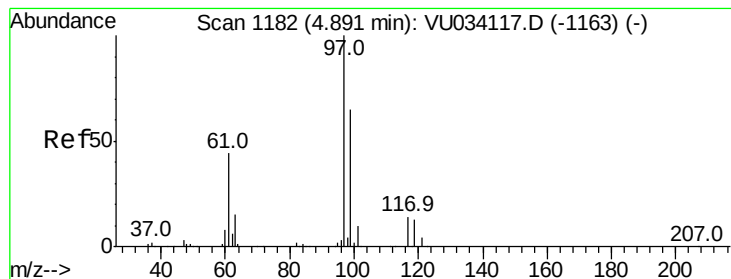
Tot Ion: 83 Resp: 456585
Ion Ratio Lower Upper
83 100
85 64.2 46.8 86.8



#27
1,2-Dichloroethane
Concen: 8.084 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Tgt Ion: 62 Resp: 268758
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 9.443 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :
MSVOA_U
ClientSampleId :

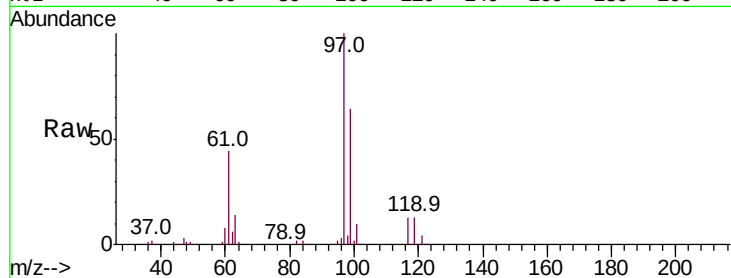
Tot Ion: 97 Resp: 380519

Ion Ratio Lower Upper

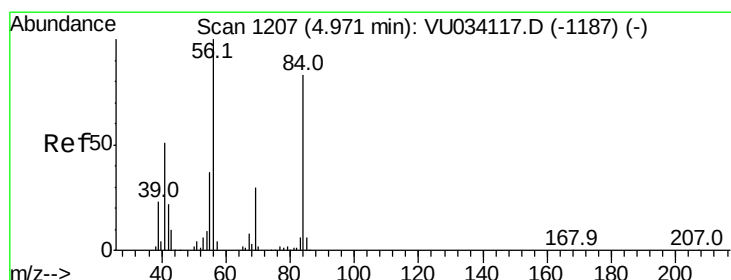
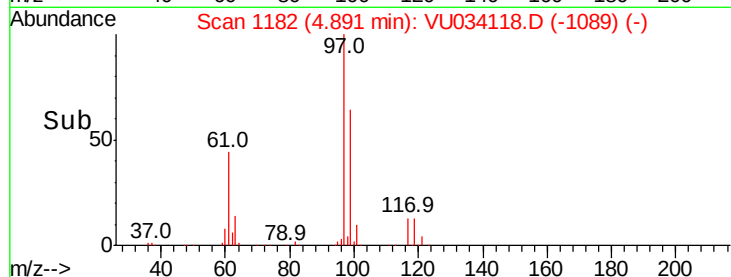
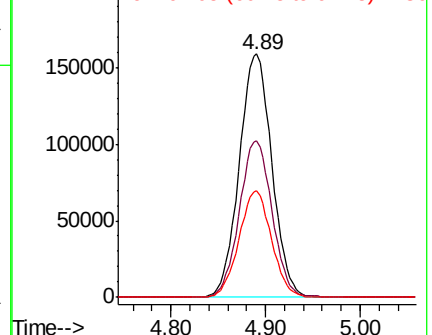
97 100

99 64.7 52.1 78.1

61 43.7 35.4 53.2



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: 10.910 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

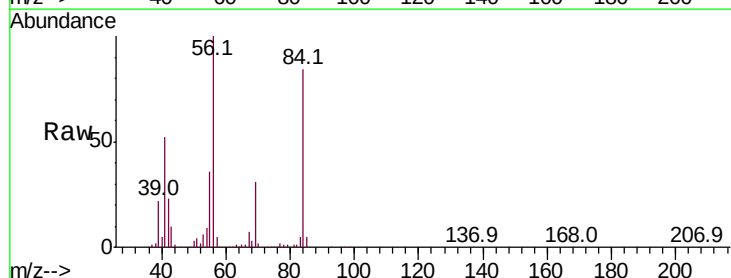
Tgt Ion: 56 Resp: 458550

Ion Ratio Lower Upper

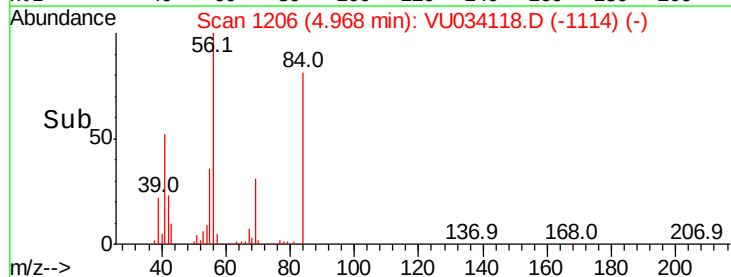
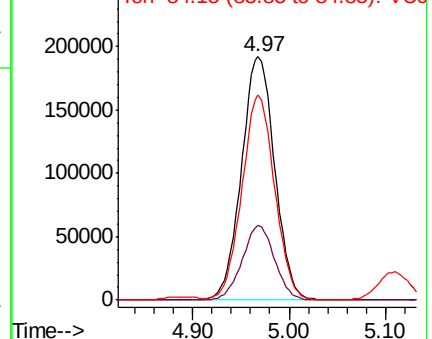
56 100

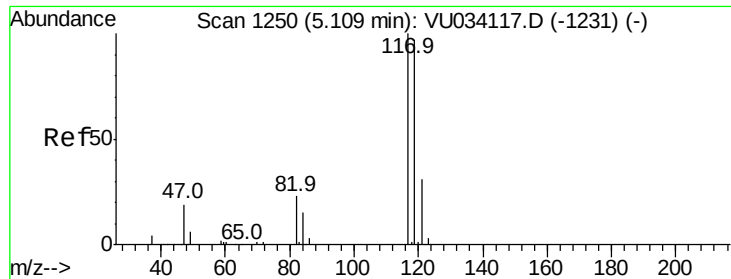
69 30.0 24.2 36.4

84 83.1 67.0 100.4



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: 9.355 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

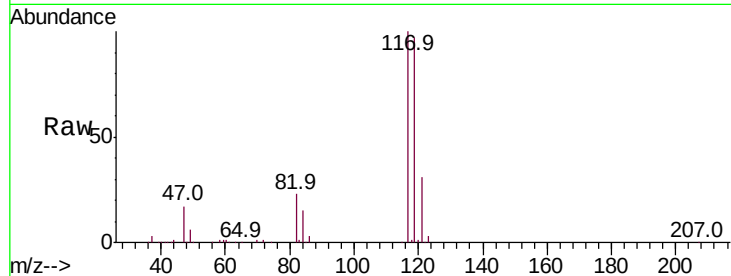
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 334604

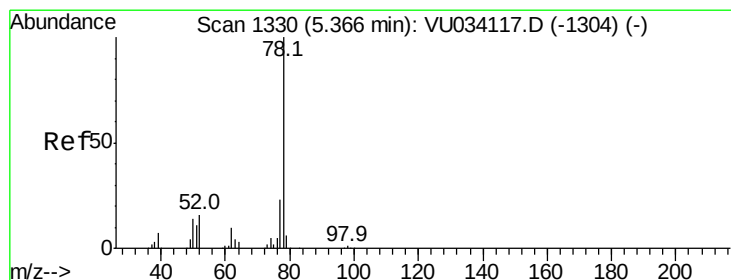
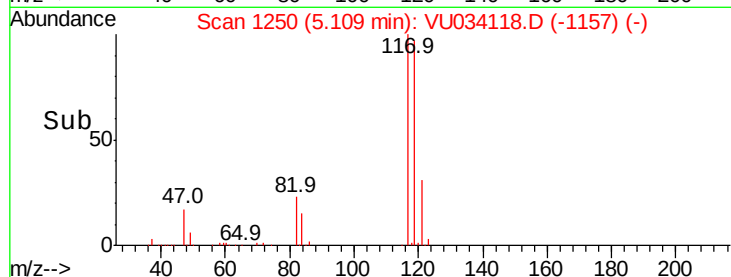
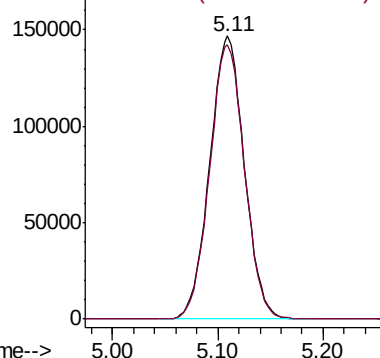
Ion Ratio Lower Upper

117 100

119 97.7 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.060 ug/L

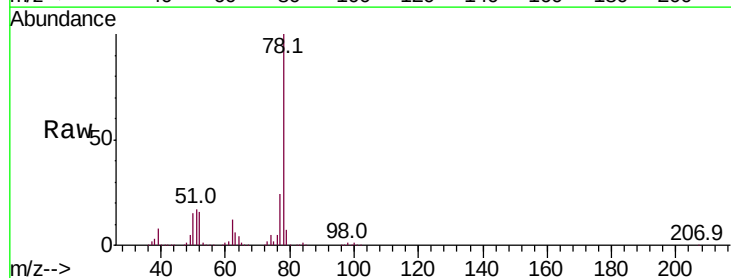
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

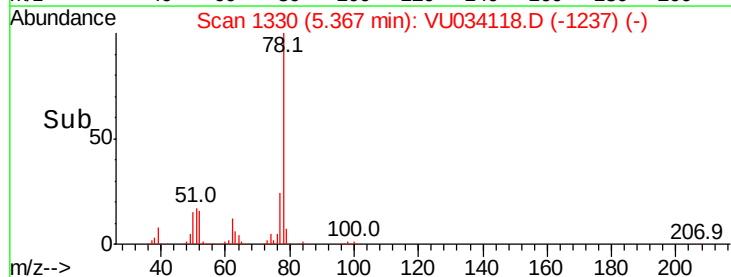
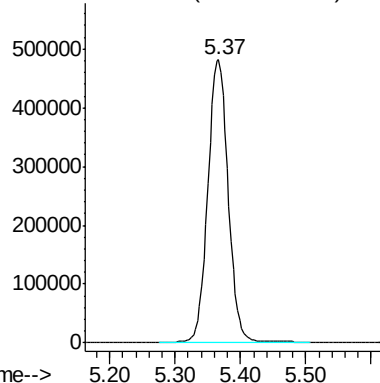
Lab File: VU034118.D

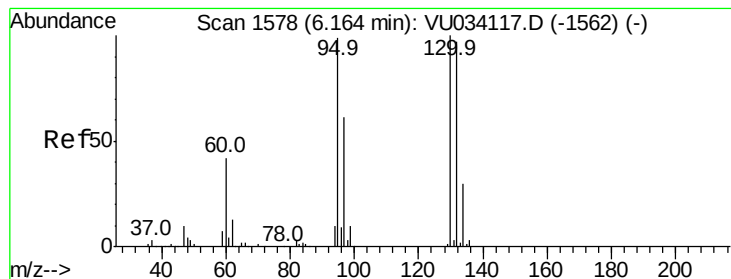
Acq: 31 Aug 2019 12:40

Tgt Ion: 78 Resp: 1048144



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.959 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 270638

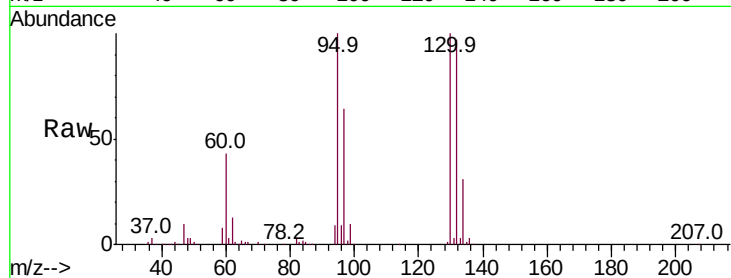
Ion Ratio Lower Upper

95 100

97 63.9 43.3 80.5

132 97.4 68.6 127.4

130 99.7 70.5 130.9

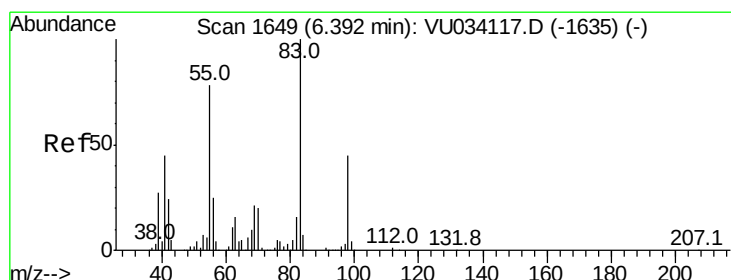
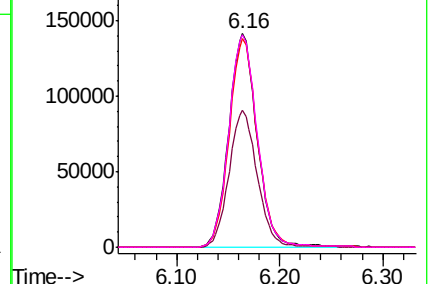
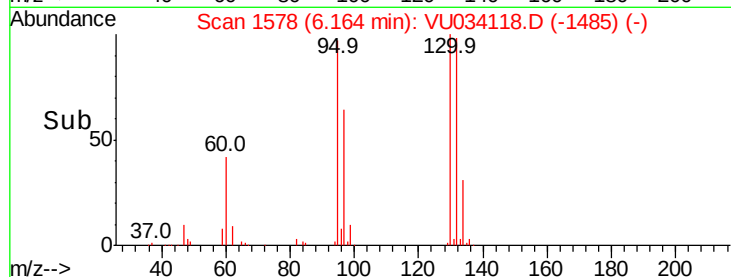


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.952 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

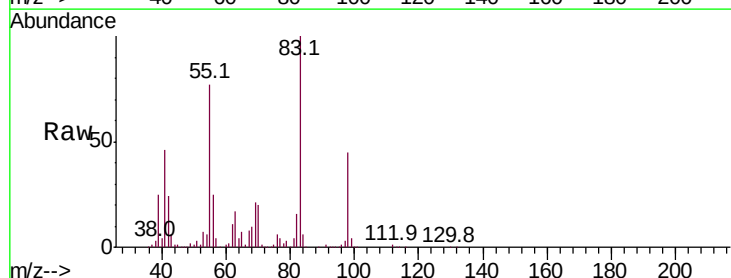
Tgt Ion: 83 Resp: 457636

Ion Ratio Lower Upper

83 100

55 77.5 62.6 94.0

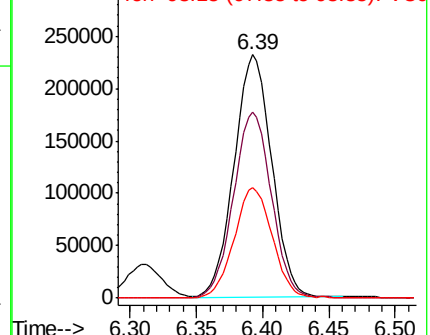
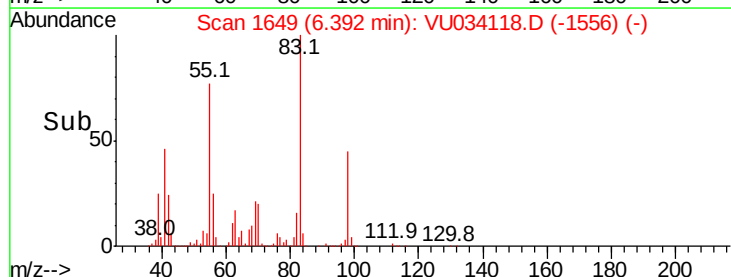
98 45.8 36.2 54.2

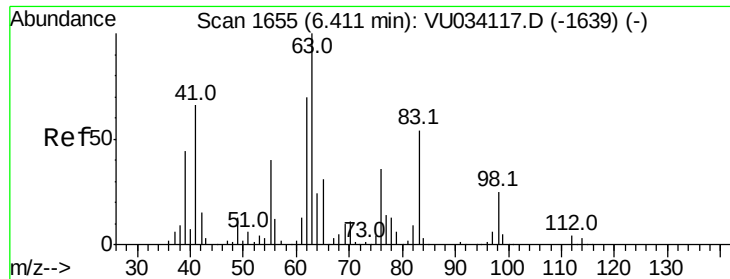


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

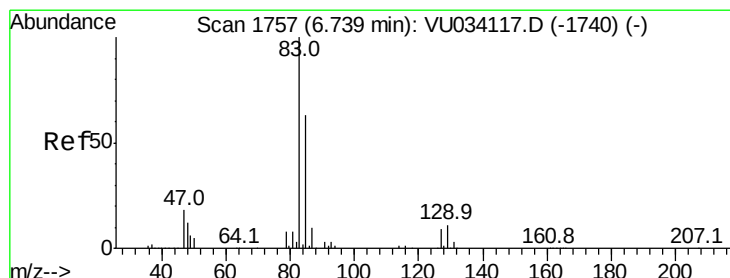
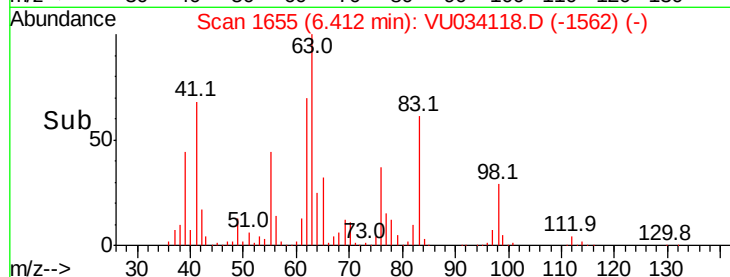
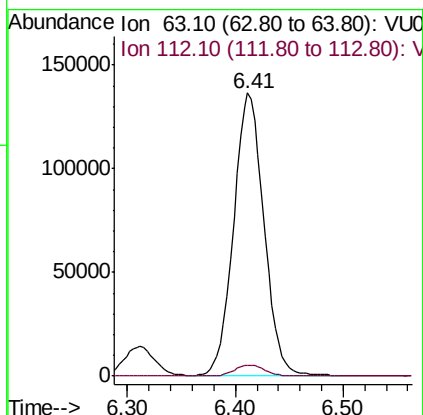
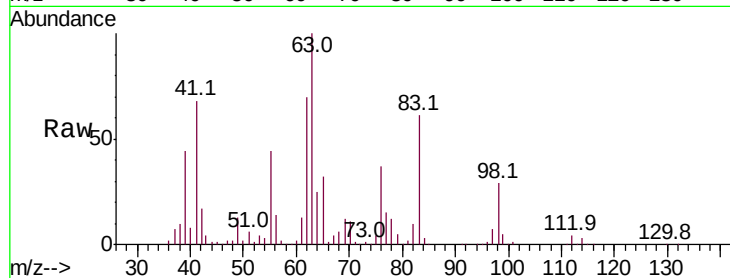




#37
 1,2-Dichloropropane
 Concen: 9.372 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

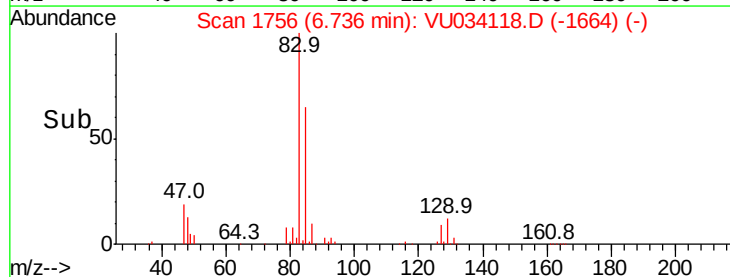
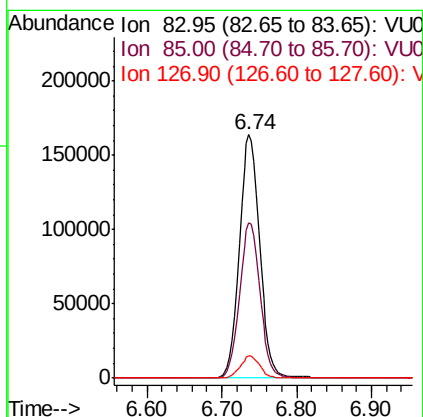
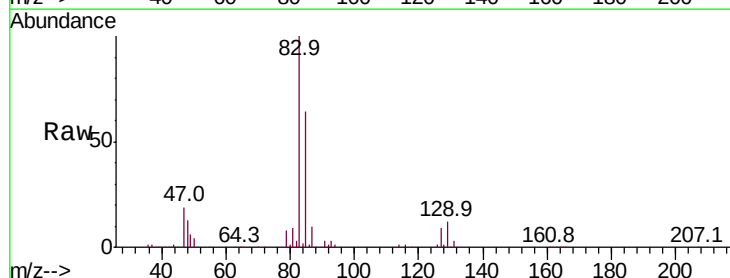
Instrument :
 MSVOA_U
 ClientSampled :

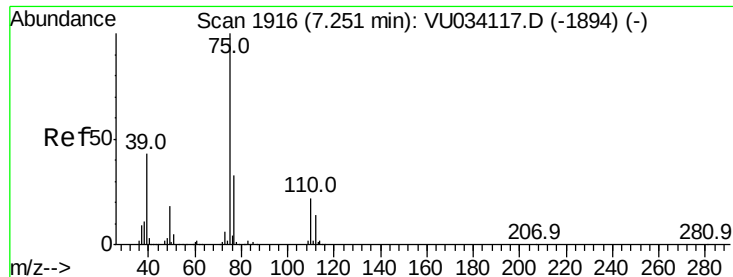
Tot Ion: 63 Resp: 265927
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 8.995 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

Tgt Ion: 83 Resp: 309986
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.0 81.8
 127 9.0 6.9 10.3

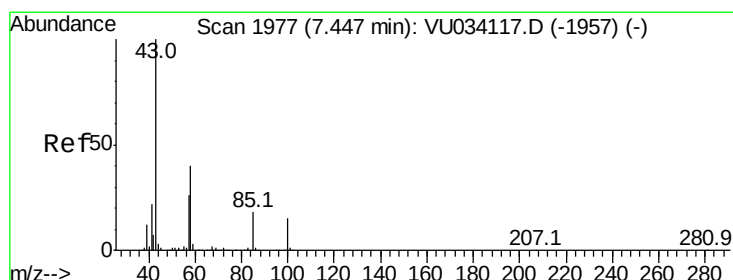
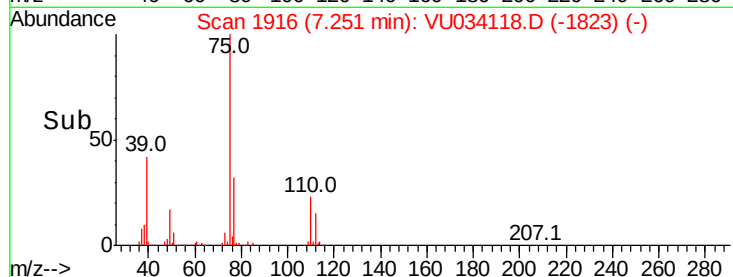
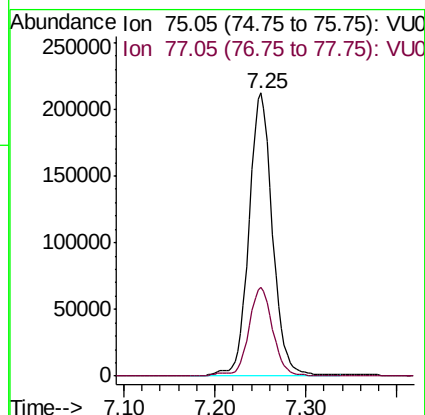
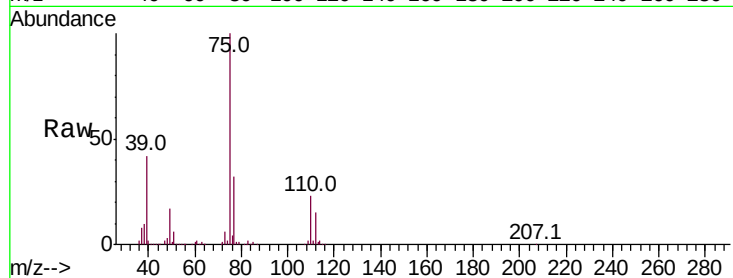




#39
 cis-1,3-Dichloropropene
 Concen: 10.244 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

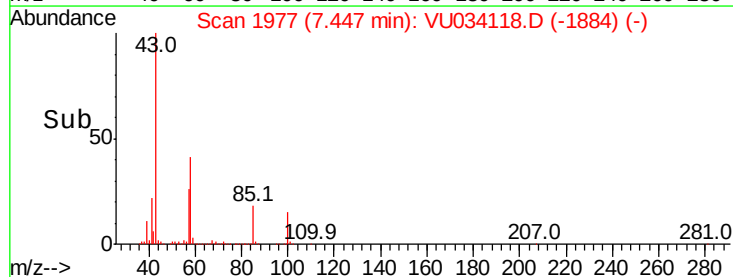
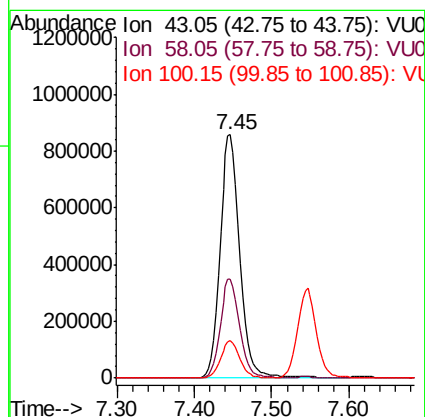
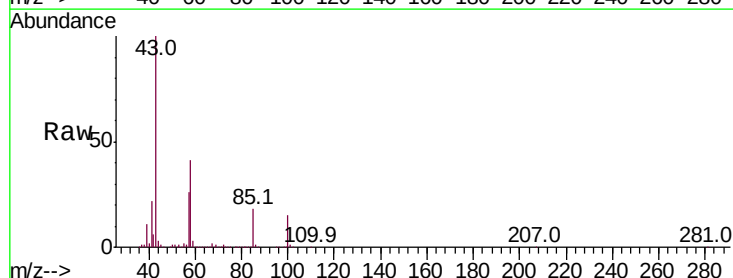
Instrument :
 MSVOA_U
 ClientSampleId :

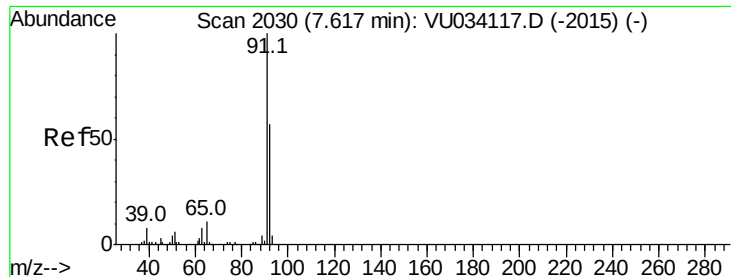
Tot Ion: 75 Resp: 383287
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 91.488 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

Tgt Ion: 43 Resp: 1532160
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.4 48.6
 100 15.1 12.2 18.2





#42

Toluene

Concen: 10.655 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

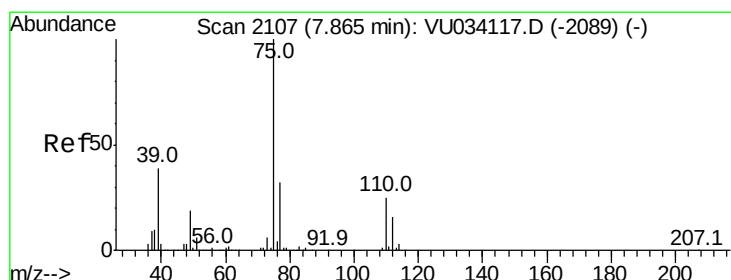
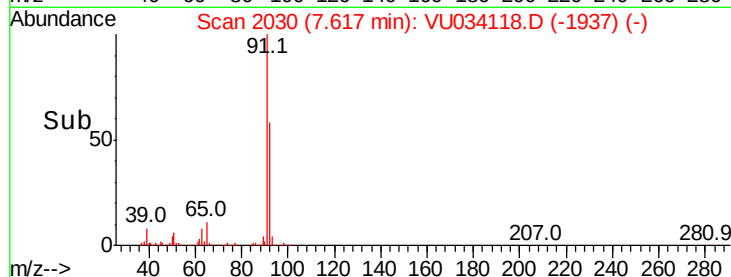
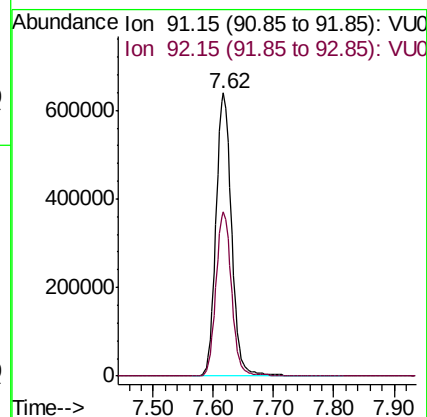
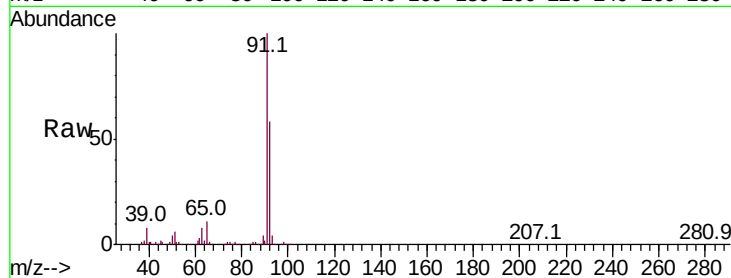
ClientSampleId :

Tot Ion: 91 Resp: 1123352

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 9.722 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034118.D

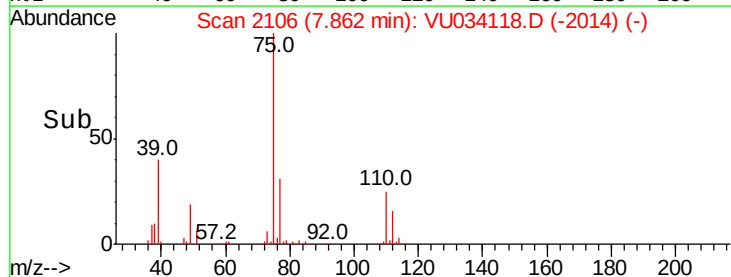
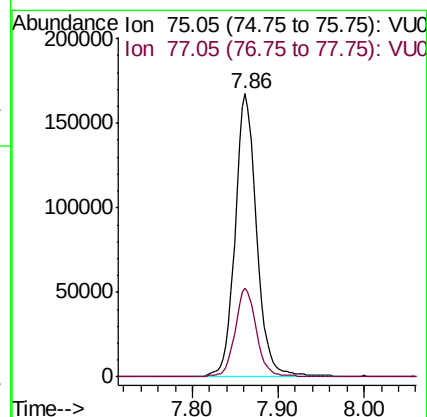
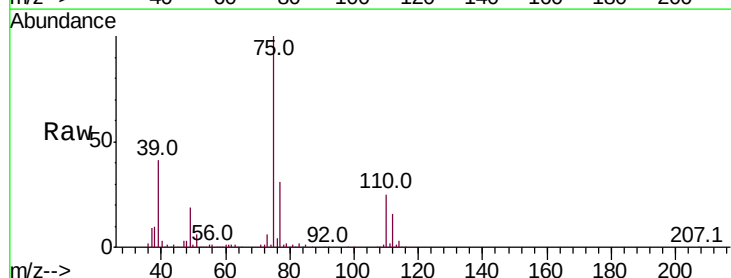
Acq: 31 Aug 2019 12:40

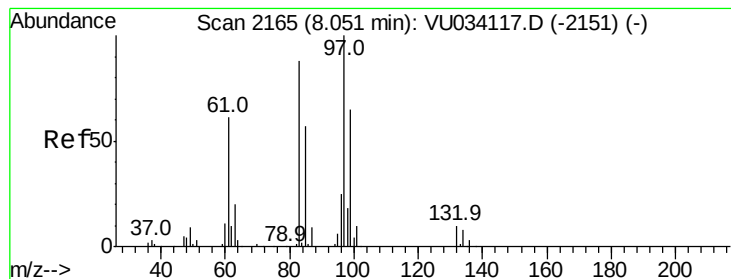
Tgt Ion: 75 Resp: 292354

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 9.052 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 171701

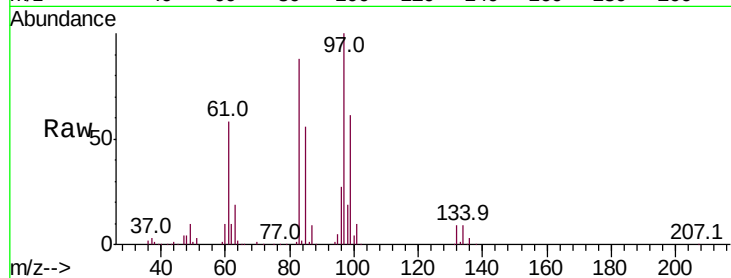
Ion Ratio Lower Upper

97 100

99 60.8 45.5 84.5

83 87.9 61.5 114.3

85 56.4 40.0 74.2

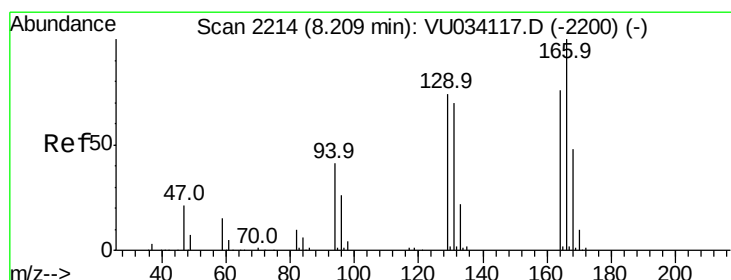
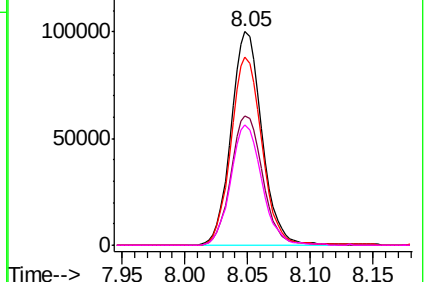
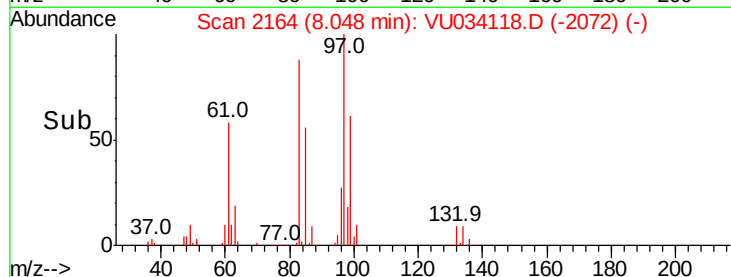


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 10.344 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Tgt Ion:164 Resp: 221604

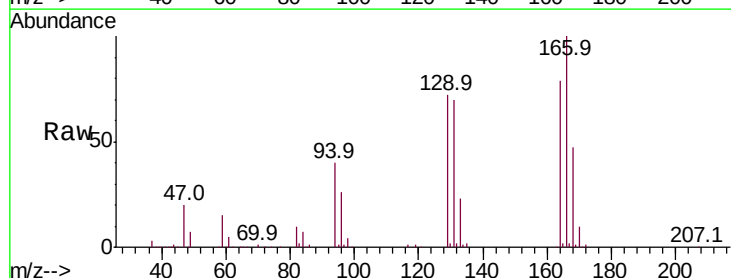
Ion Ratio Lower Upper

164 100

129 91.4 68.0 126.2

131 88.8 64.6 120.0

166 126.1 92.0 170.8

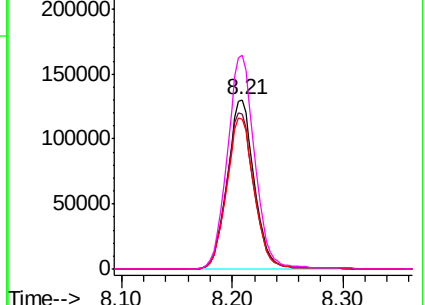
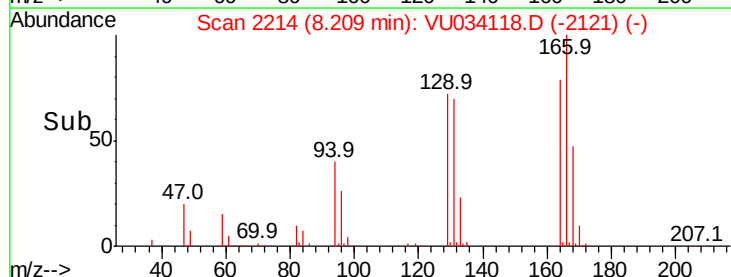


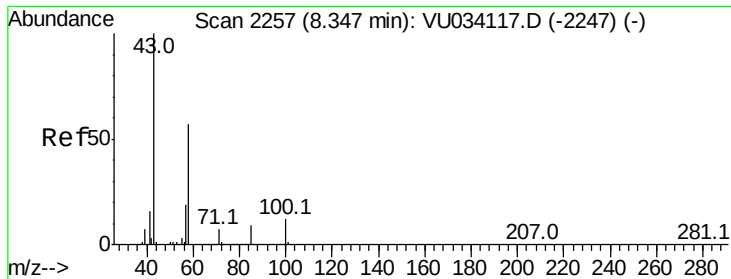
Abundance Ion 163.90 (163.60 to 164.60): V

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

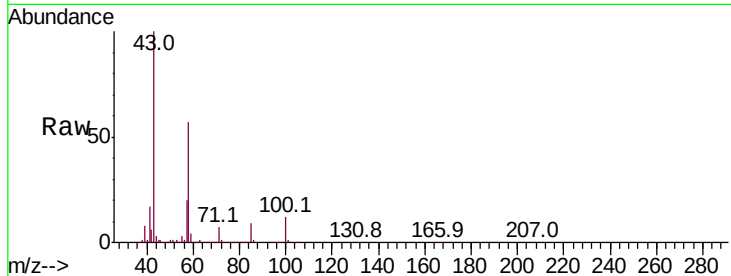




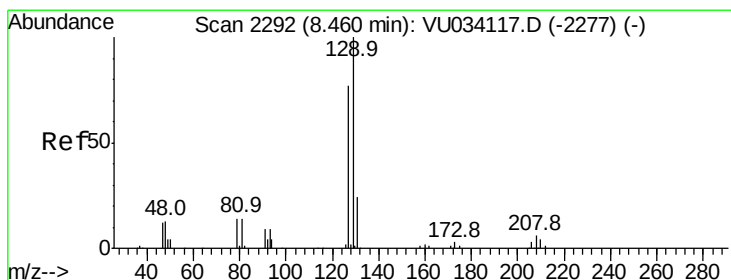
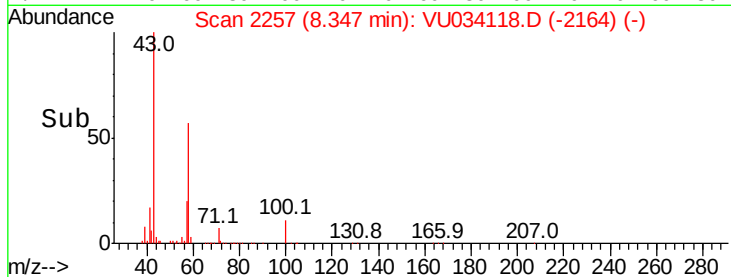
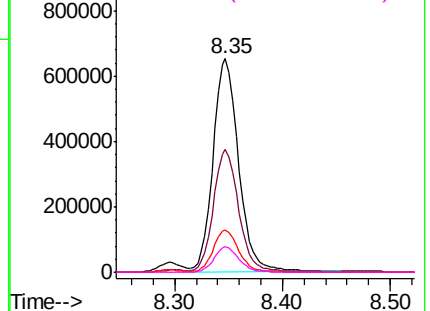
#48
2-Hexanone
Concen: 91.481 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 1069793
Ion Ratio Lower Upper
43 100
58 57.3 44.9 67.3
57 19.6 15.0 22.6
100 11.9 9.2 13.8

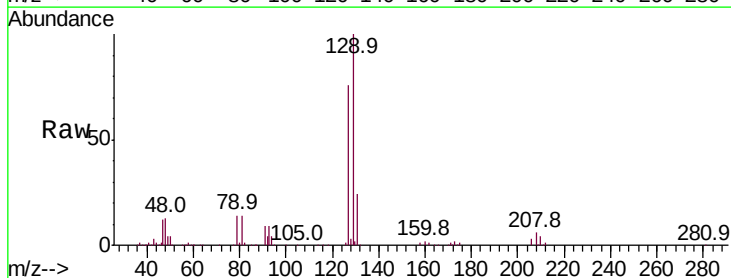


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

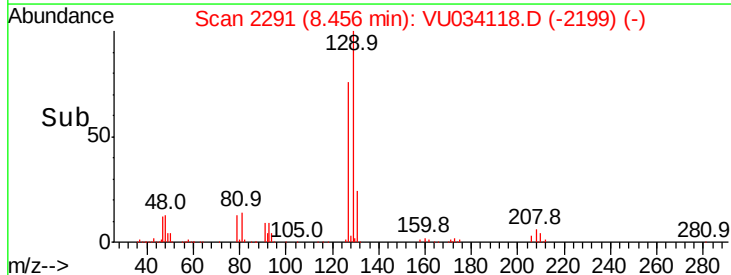
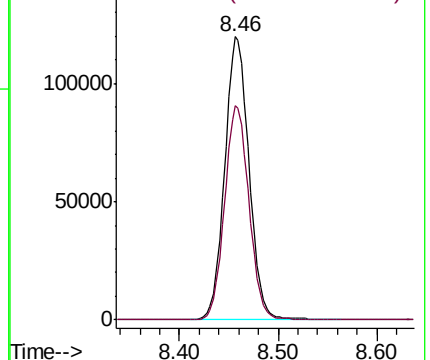


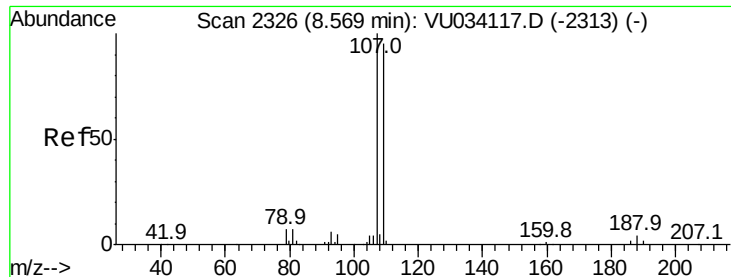
#49
Dibromochloromethane
Concen: 9.260 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Tgt Ion: 129 Resp: 207234
Ion Ratio Lower Upper
129 100
127 75.6 54.2 100.6



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

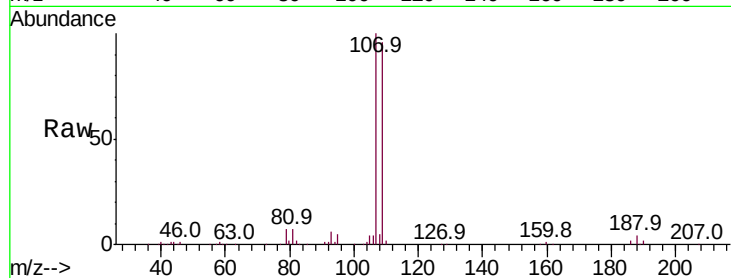




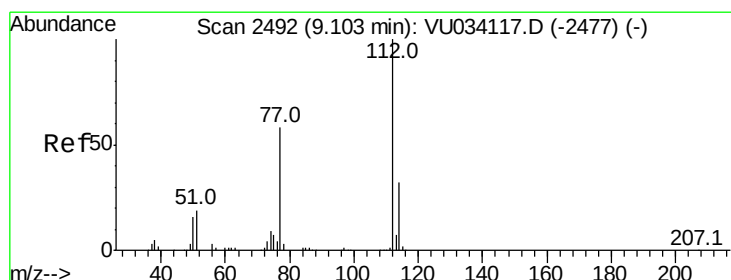
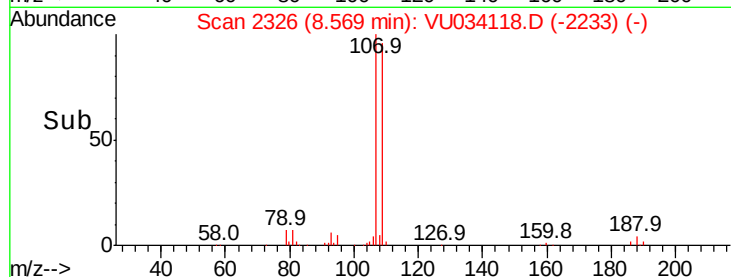
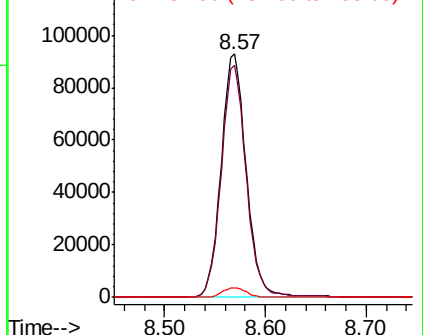
#50
1,2-Dibromoethane
Concen: 9.011 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.4	123.2
188	4.0	3.4	5.0

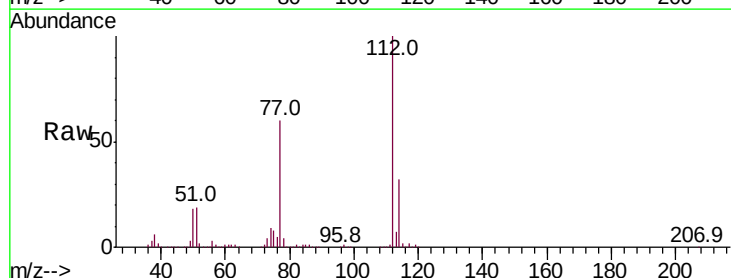


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

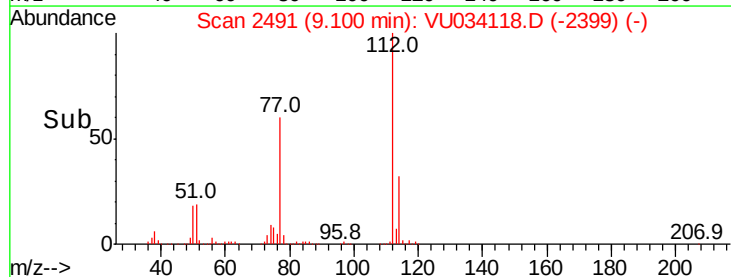
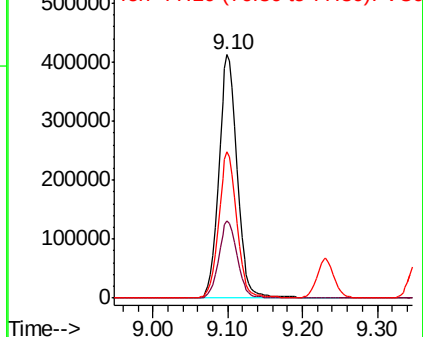


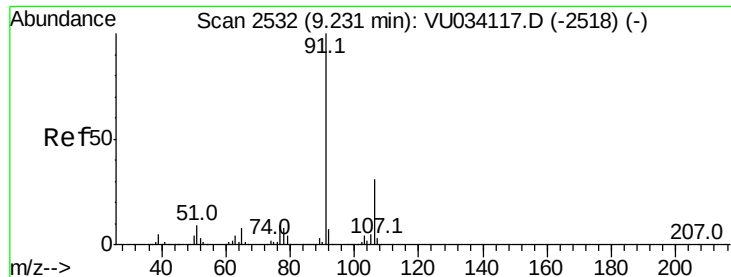
#51
Chlorobenzene
Concen: 10.081 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034118.D
Acq: 31 Aug 2019 12:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.6	42.0
77	60.2	46.3	69.5



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: 10.943 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

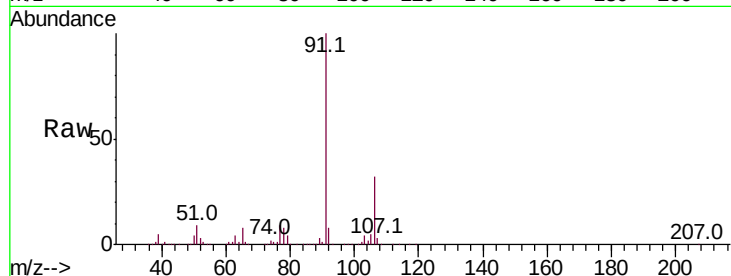
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1219384

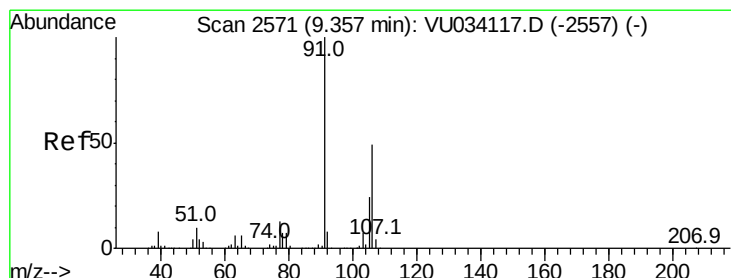
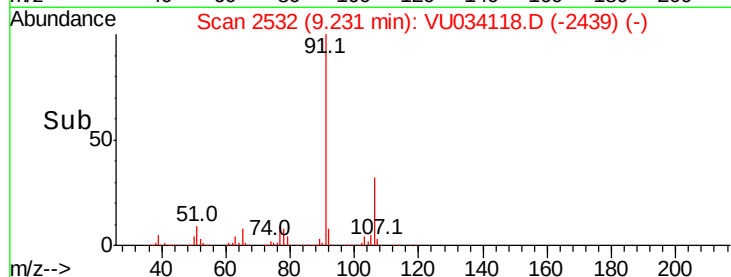
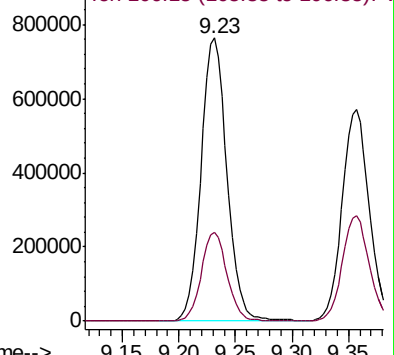
Ion Ratio Lower Upper

91 100

106 31.5 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU034118.D (-2439) (-)



#53

m,p-Xylene

Concen: 11.244 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034118.D

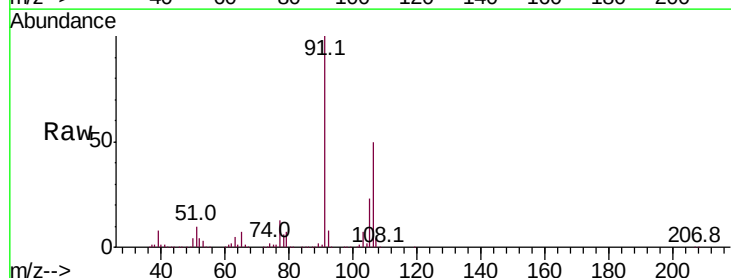
Acq: 31 Aug 2019 12:40

Tgt Ion:106 Resp: 469716

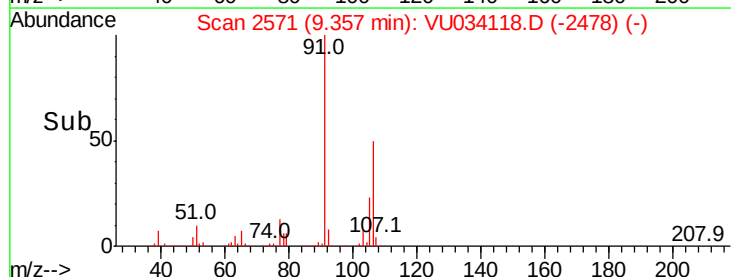
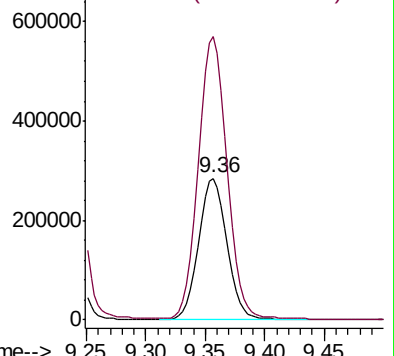
Ion Ratio Lower Upper

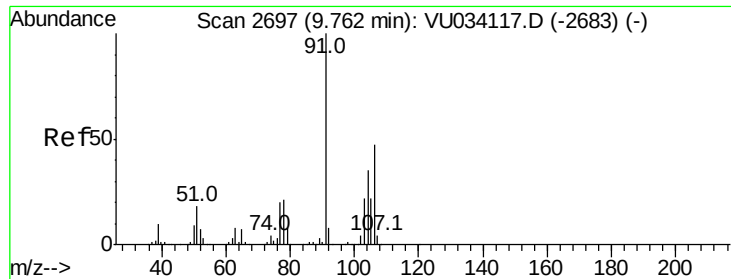
106 100

91 200.3 143.4 266.4



Abundance Ion 106.15 (105.85 to 106.85): VU034118.D (-2478) (-)





#54

o-Xylene

Concen: 11.471 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

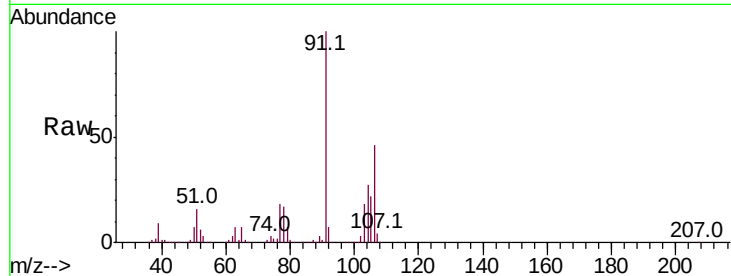
ClientSampleId :

Tot Ion:106 Resp: 454029

Ion Ratio Lower Upper

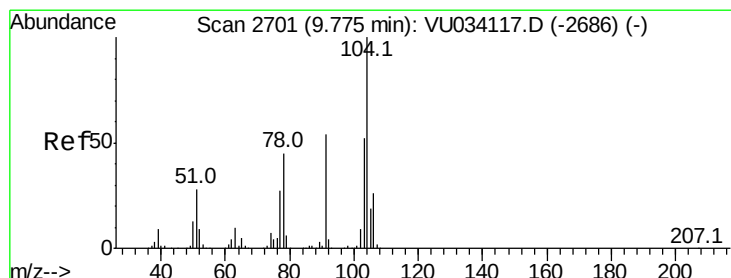
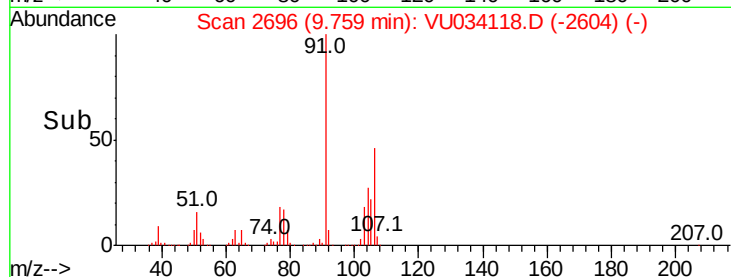
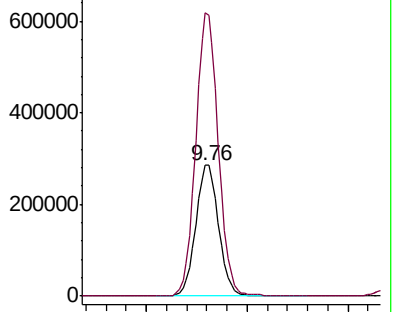
106 100

91 216.8 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 11.511 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU034118.D

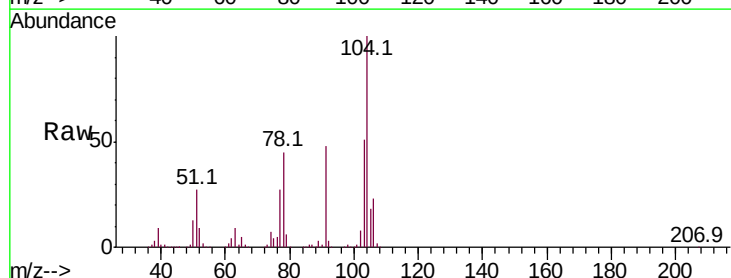
Acq: 31 Aug 2019 12:40

Tgt Ion:104 Resp: 777636

Ion Ratio Lower Upper

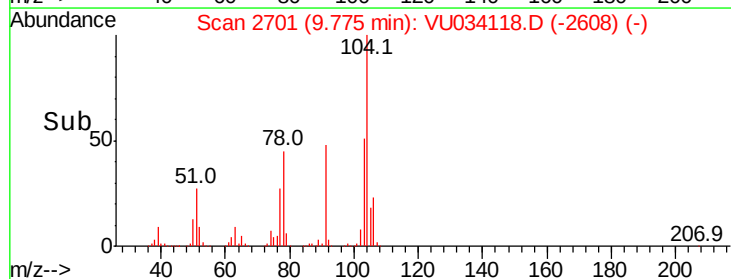
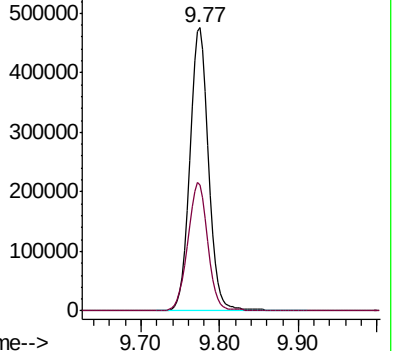
104 100

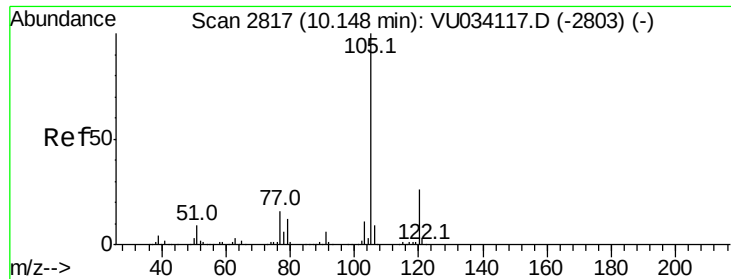
78 44.7 31.6 58.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.454 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

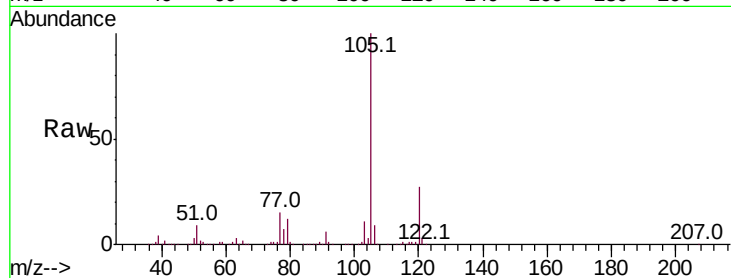
Instrument :

MSVOA_U

ClientSampled :

Tot Ion:105 Resp: 1205247

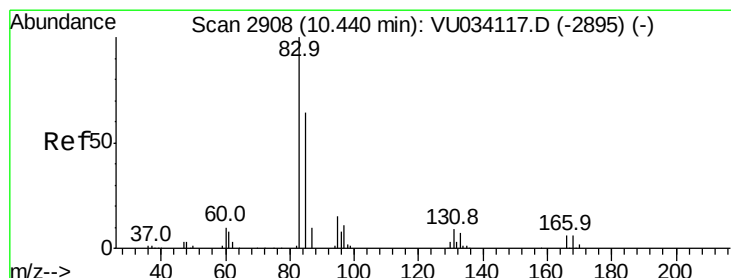
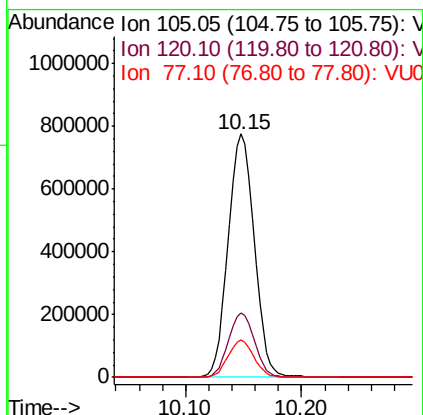
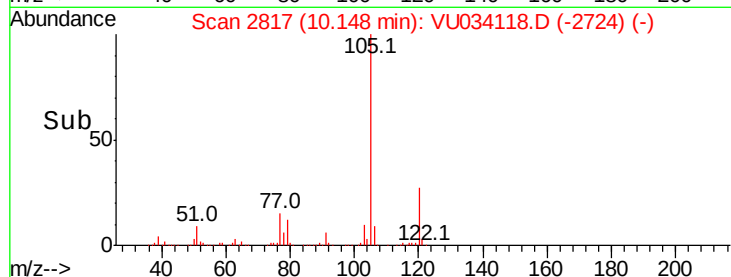
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.4
77	15.1	12.2	18.4



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: 8.740 ug/L

RT: 10.44 min Scan# 2908

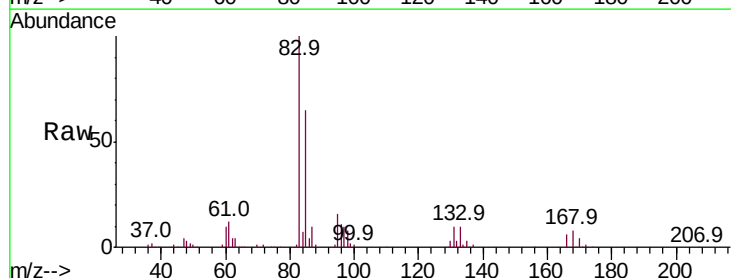
Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Tgt Ion: 83 Resp: 217213

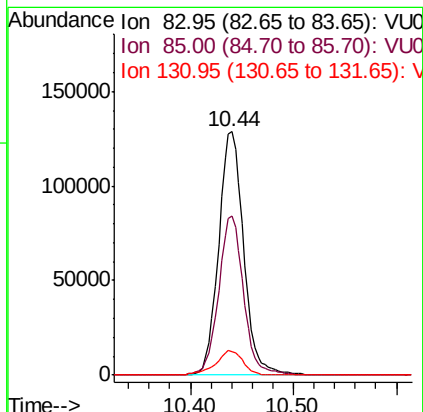
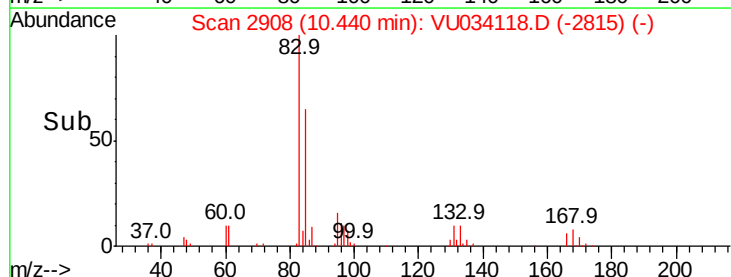
Ion	Ratio	Lower	Upper
83	100		
85	65.4	45.2	84.0
131	9.9	7.9	11.9

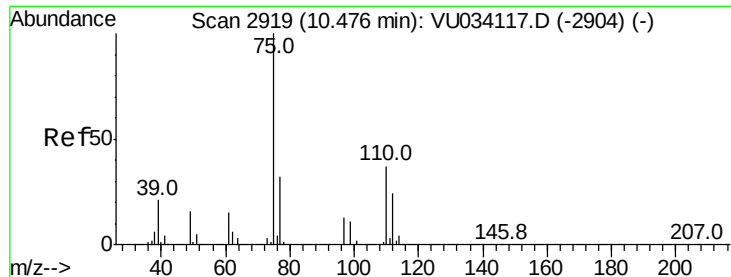


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 8.742 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

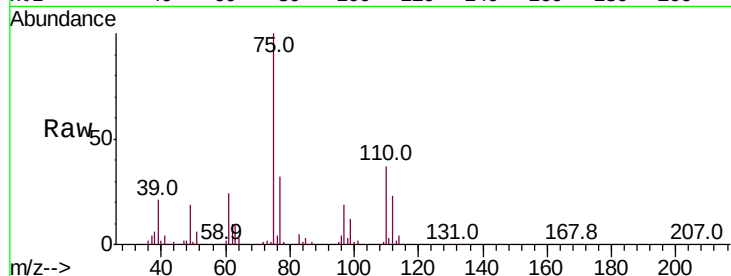
ClientSampleId :

Tot Ion: 75 Resp: 154934

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034117.D (-2904) (-)

Ion 77.00 (76.70 to 77.70): VU034117.D (-2904) (-)

10.48

100000

80000

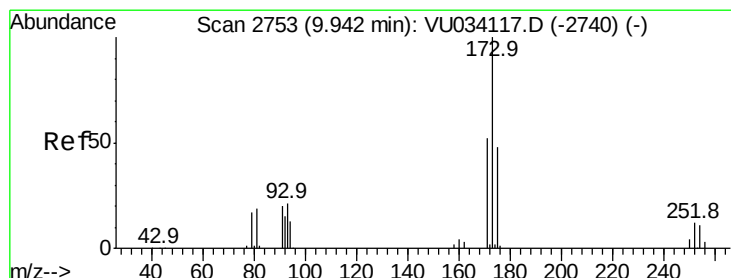
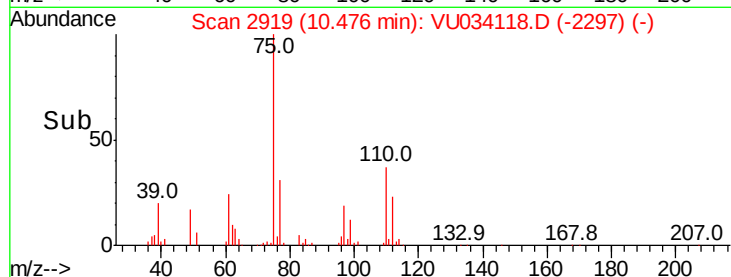
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 8.630 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

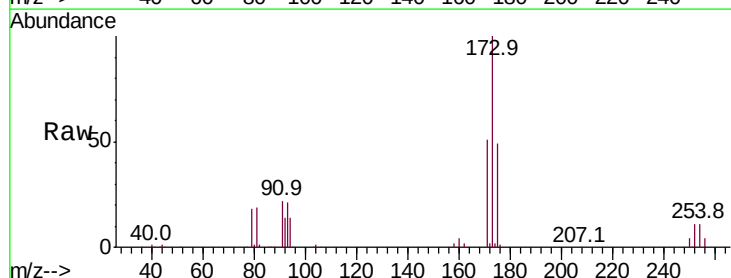
Tgt Ion: 173 Resp: 116484

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

254 10.7 8.7 13.1



Abundance Ion 172.90 (172.60 to 173.60): VU034117.D (-2740) (-)

Ion 174.90 (174.60 to 175.60): VU034117.D (-2740) (-)

Ion 253.75 (253.45 to 254.45): VU034117.D (-2740) (-)

9.94

80000

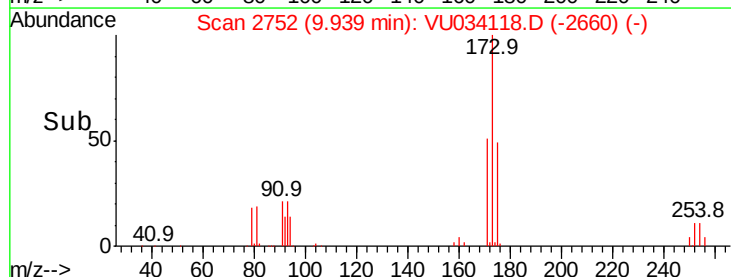
60000

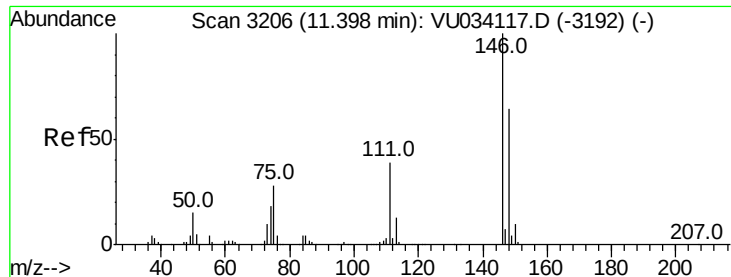
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 10.214 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampleId :

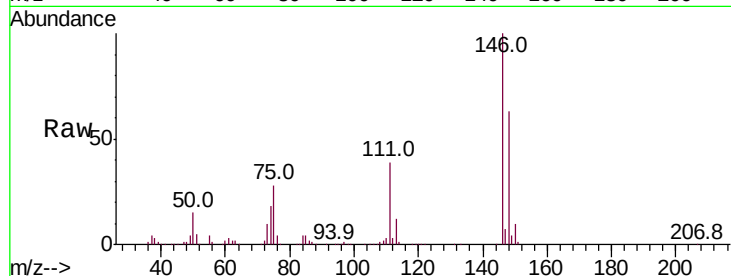
Tot Ion:146 Resp: 586466

Ion Ratio Lower Upper

146 100

111 39.1 27.6 51.4

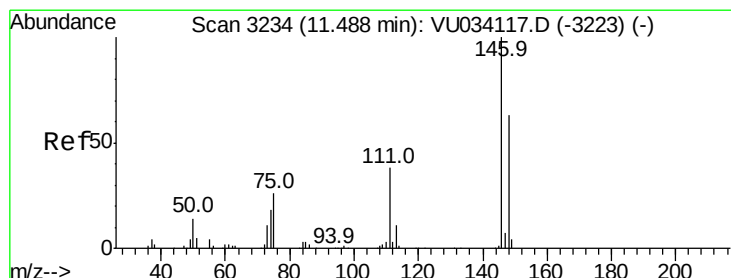
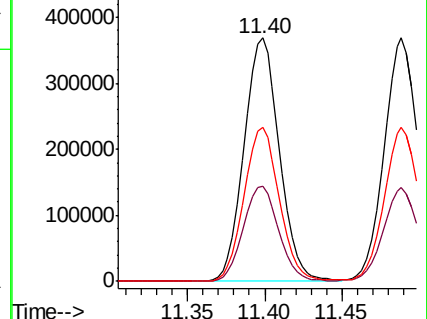
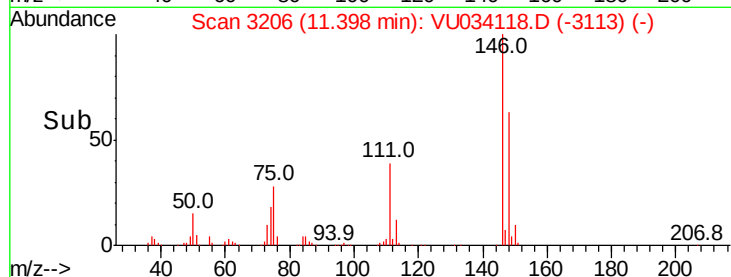
148 63.2 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 9.750 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

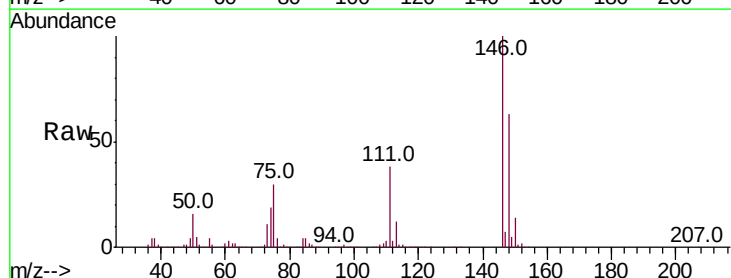
Tgt Ion:146 Resp: 579422

Ion Ratio Lower Upper

146 100

111 38.4 26.5 49.3

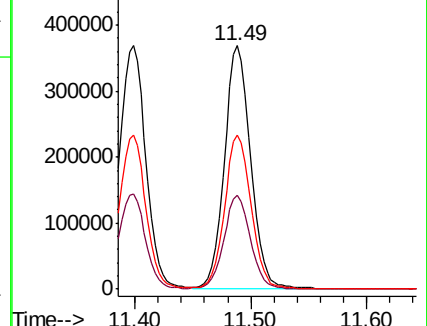
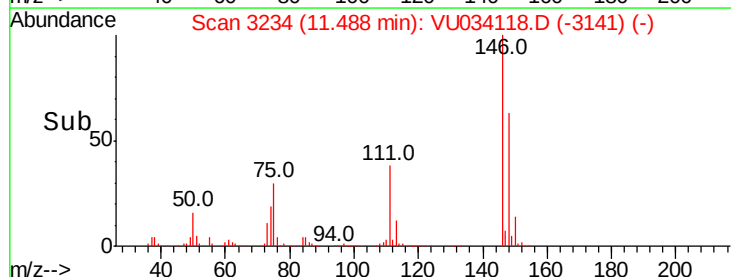
148 63.4 44.0 81.8

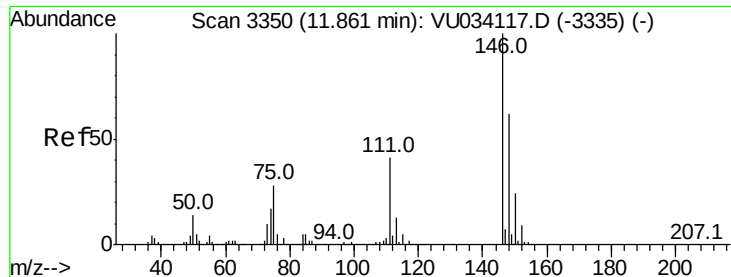


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.700 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampled :

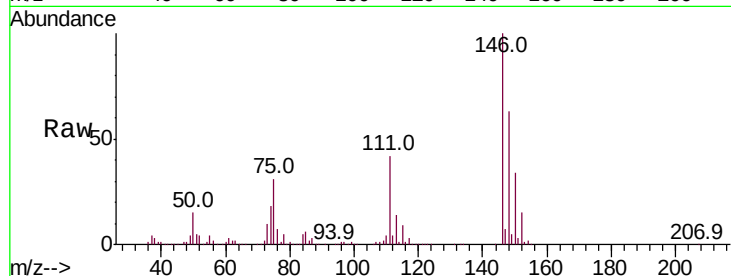
Tot Ion:146 Resp: 533035

Ion Ratio Lower Upper

146 100

111 41.8 32.8 49.2

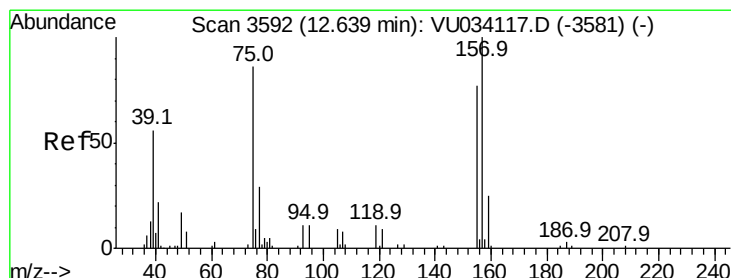
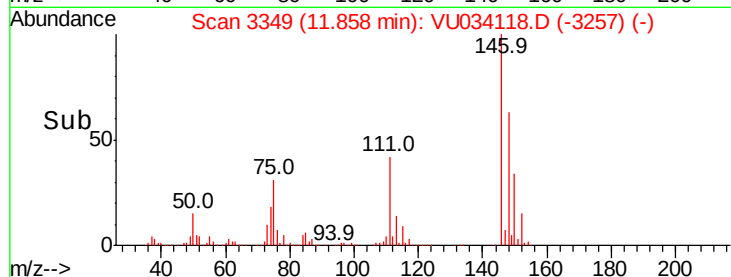
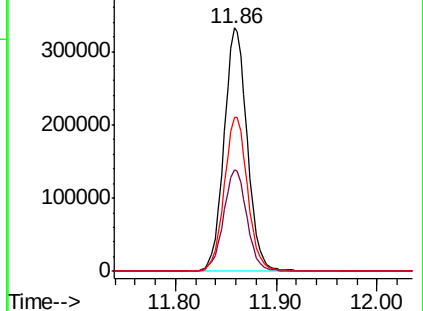
148 63.3 49.4 74.0



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: 8.216 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

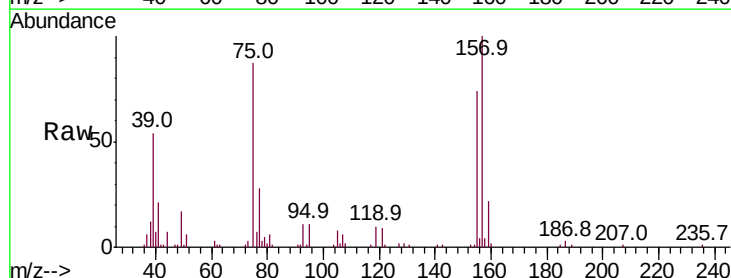
Tgt Ion: 75 Resp: 33675

Ion Ratio Lower Upper

75 100

155 85.6 71.4 107.0

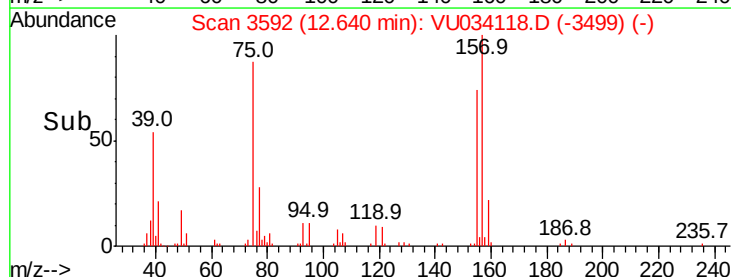
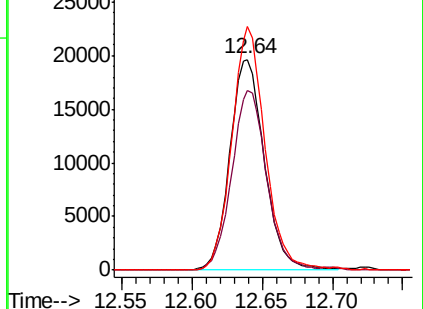
157 115.6 92.6 138.8

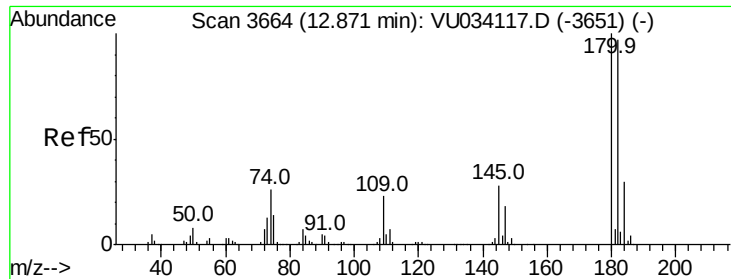


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

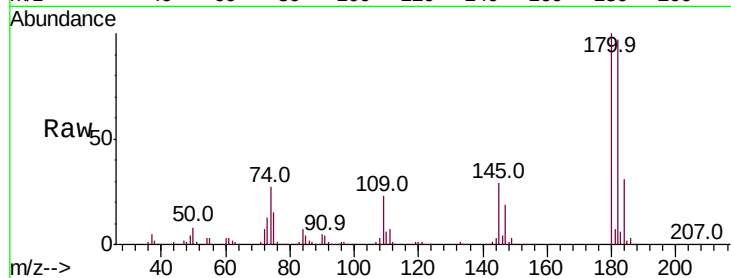




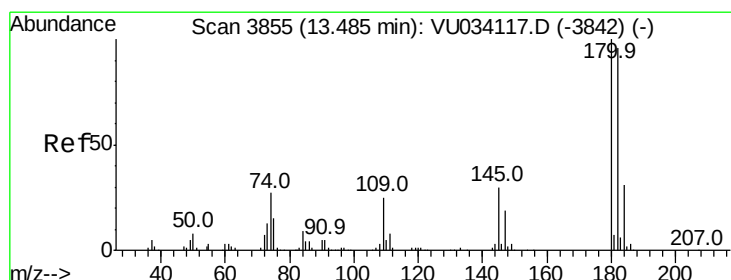
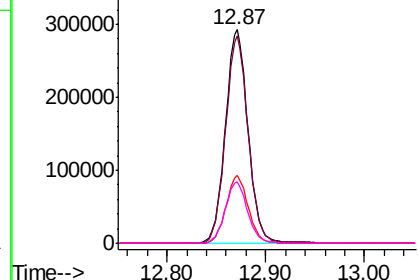
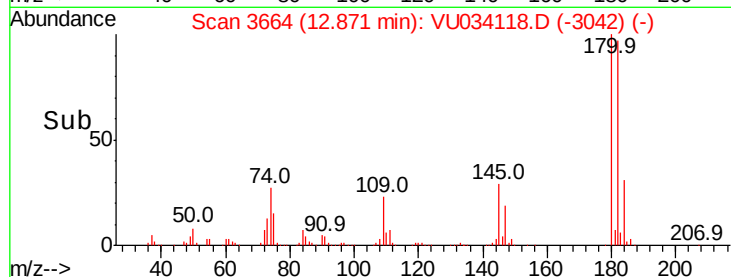
#67
 1,3,5-Trichlorobenzene
 Concen: 10.501 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	180	Resp:	473317
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.6
184	31.1	24.3	36.5
145	28.0	22.6	33.8

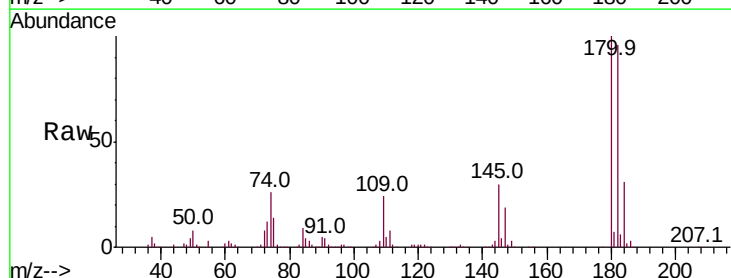


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

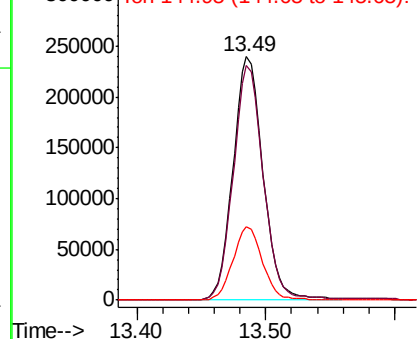
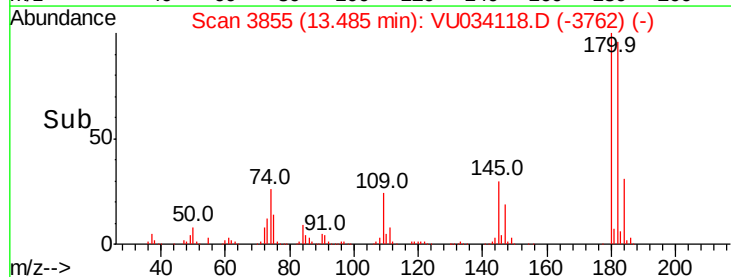


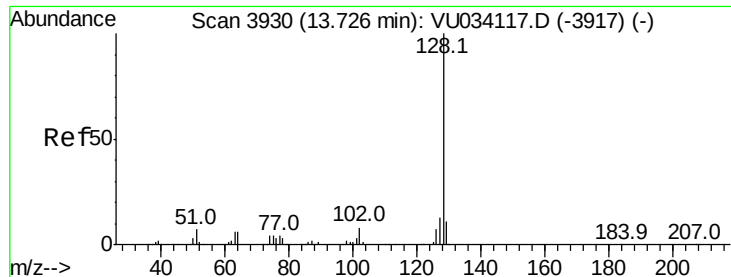
#68
 1,2,4-trichlorobenzene
 Concen: 11.481 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034118.D
 Acq: 31 Aug 2019 12:40

Tgt Ion:	180	Resp:	388037
Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.1	112.7
145	29.6	23.7	35.5



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: 11.909 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

Instrument :

MSVOA_U

ClientSampled :

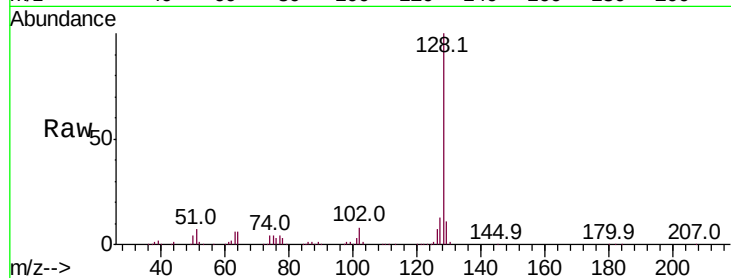
Tot Ion:128 Resp: 622300

Ion Ratio Lower Upper

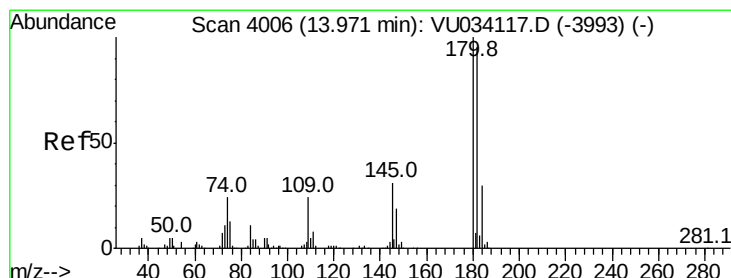
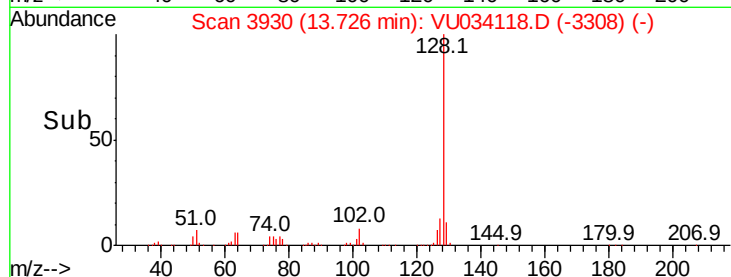
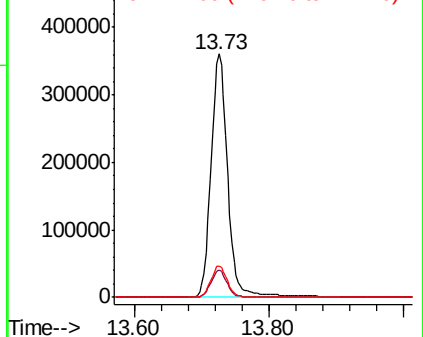
128 100

129 10.8 8.6 13.0

127 12.5 10.3 15.5



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: 10.890 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034118.D

Acq: 31 Aug 2019 12:40

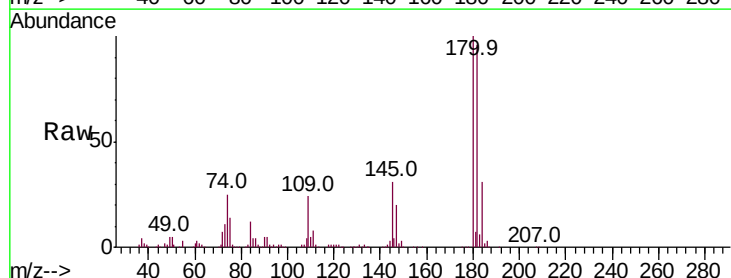
Tgt Ion:180 Resp: 351137

Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 31.1 24.6 37.0



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

