

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090119\
 Data File : VU034119.D
 Acq On : 31 Aug 2019 13:05
 Operator : JC/SP
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 14:52:30 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	356043	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	340873	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	189402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	496908	16.59	ug/L	0.00
7) Chloroethane-d5	1.67	69	401028	16.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	928595	16.04	ug/L	0.00
20) 2-Butanone-d5	4.16	46	1190218	166.89	ug/L	-0.01
24) Chloroform-d	4.62	84	880587	17.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	415727	15.23	ug/L	0.00
32) Benzene-d6	5.31	84	1889021	19.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	587406	19.61	ug/L	0.00
41) Toluene-d8	7.55	98	1767234	21.40	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	219853	19.66	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	982777	214.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	431640	17.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	667776	19.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	694597	17.108	ug/L 100
3) Chloromethane	1.32	50	676441	16.936	ug/L 99
5) Vinyl chloride	1.40	62	709696	16.865	ug/L 100
6) Bromomethane	1.61	94	353214	18.376	ug/L 100
8) Chloroethane	1.68	64	395158	15.209	ug/L 100
9) Trichlorofluoromethane	1.87	101	790608	16.628	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	455726	16.785	ug/L 99
12) 1,1-Dichloroethene	2.27	96	456167	17.223	ug/L 96
13) Acetone	2.31	43	715921	130.498	ug/L 100
14) Carbon disulfide	2.46	76	1521596	16.359	ug/L 99
15) Methyl Acetate	2.60	43	205115	13.599	ug/L 98
16) Methylene chloride	2.68	84	480596	15.485	ug/L 98
17) Methyl tert-butyl Ether	2.98	73	1110511	16.229	ug/L 100
18) trans-1,2-Dichloroethene	2.96	96	483677	16.923	ug/L 98
19) 1,1-Dichloroethane	3.42	63	962841	17.215	ug/L 99
21) 2-Butanone	4.25	43	1312940	164.738	ug/L 99
22) cis-1,2-Dichloroethene	4.20	96	560659	18.720	ug/L 99
23) Bromochloromethane	4.52	128	231838	17.252	ug/L 98
25) Chloroform	4.65	83	925496	15.999	ug/L 97
27) 1,2-Dichloroethane	5.38	62	537547	15.864	ug/L 99
29) 1,1,1-Trichloroethane	4.89	97	773402	18.771	ug/L 99
30) Cyclohexane	4.97	56	940514	21.885	ug/L 100
31) Carbon tetrachloride	5.11	117	693409	18.961	ug/L 100
33) Benzene	5.36	78	2107557	19.782	ug/L 100
34) Trichloroethene	6.16	95	550130	19.799	ug/L 99
35) Methylcyclohexane	6.39	83	953478	22.317	ug/L 99
37) 1,2-Dichloropropane	6.41	63	545916	18.816	ug/L 99
38) Bromodichloromethane	6.74	83	632317	17.944	ug/L 98
39) cis-1,3-Dichloropropene	7.25	75	812870	21.247	ug/L 96
40) 4-Methyl-2-pentanone	7.45	43	3123402	182.401	ug/L 99

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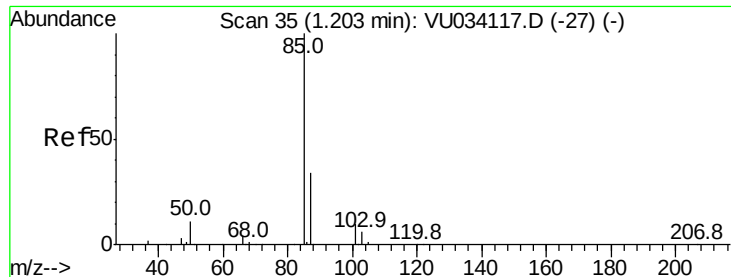
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 31 14:52:30 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)

42) Toluene	7.62	91	2294130	21.282	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	604998	19.676	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	348232	17.954	ug/L	98
47) Tetrachloroethene	8.21	164	457831	20.901	ug/L	97
48) 2-Hexanone	8.35	43	2221070	185.752	ug/L	98
49) Dibromochloromethane	8.46	129	425170	18.580	ug/L	99
50) 1,2-Dibromoethane	8.57	107	331662	18.015	ug/L	100
51) Chlorobenzene	9.10	112	1450401	20.475	ug/L	99
52) Ethylbenzene	9.23	91	2558024	22.452	ug/L	99
53) m,p-Xylene	9.36	106	997817	23.360	ug/L	97
54) o-Xylene	9.76	106	952473	23.534	ug/L	98
55) Styrene	9.77	104	1630542	23.605	ug/L	99
56) Isopropylbenzene	10.15	105	2549766	23.698	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	446925	17.588	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	314295	17.343	ug/L	100
61) Bromoform	9.94	173	246544	17.657	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	1220563	20.548	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	1208817	19.662	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	1094766	19.258	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	68200	16.083	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	986312	21.151	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	827351	23.662	ug/L	98
69) Naphthalene	13.73	128	1303446	24.112	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	725460	21.748	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 17.108 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

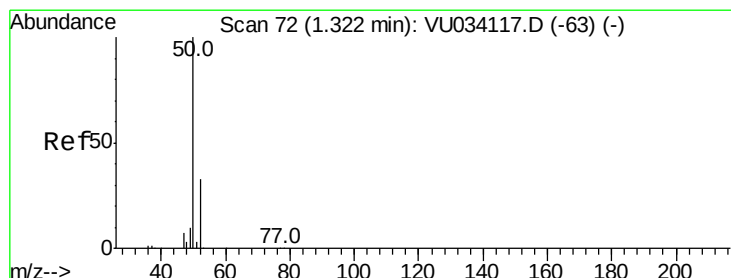
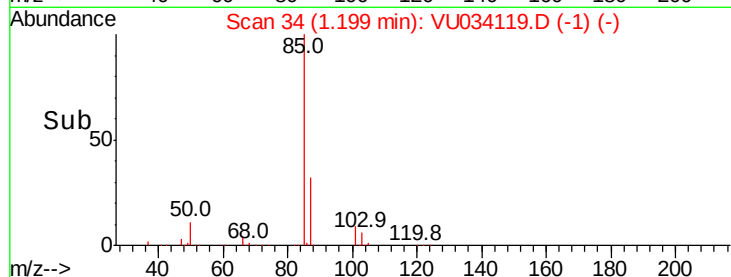
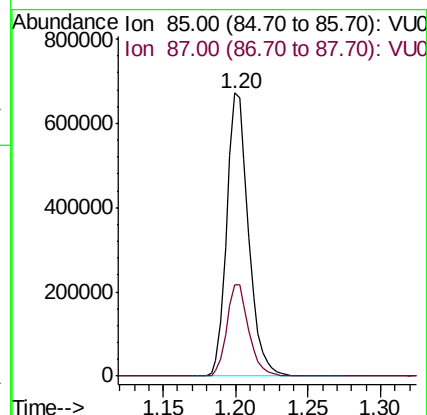
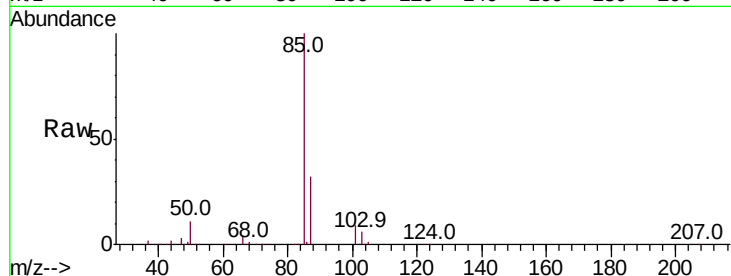
ClientSampleId :

Tot Ion: 85 Resp: 694597

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



#3

Chloromethane

Concen: 16.936 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034119.D

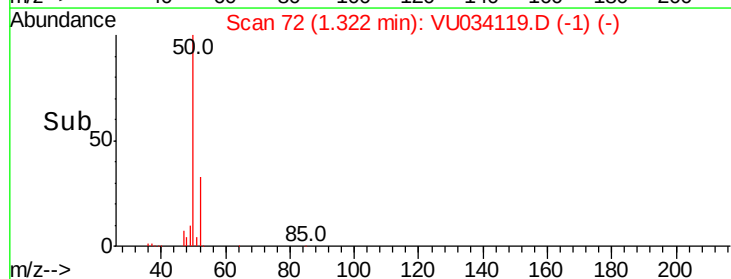
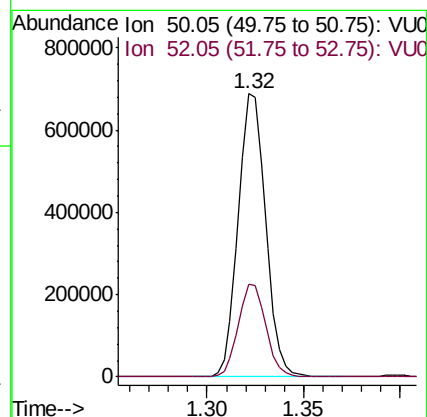
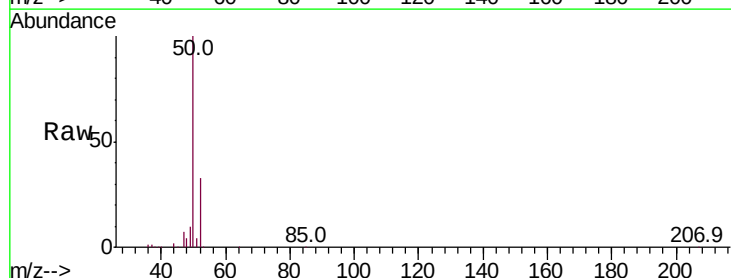
Acq: 31 Aug 2019 13:05

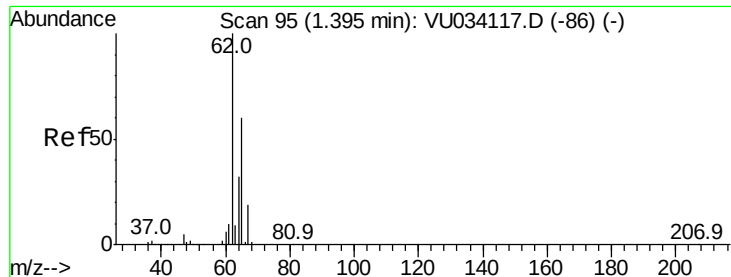
Tgt Ion: 50 Resp: 676441

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9





#5

Vinyl chloride

Concen: 16.865 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

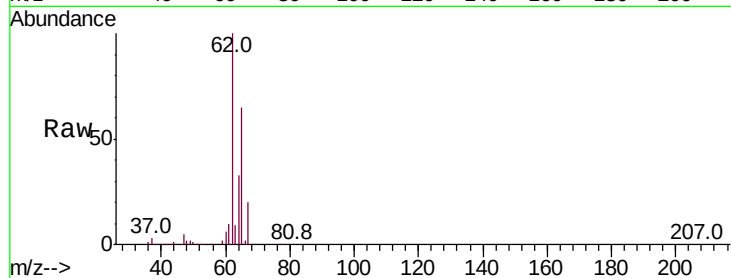
ClientSampleId :

Tot Ion: 62 Resp: 709696

Ion Ratio Lower Upper

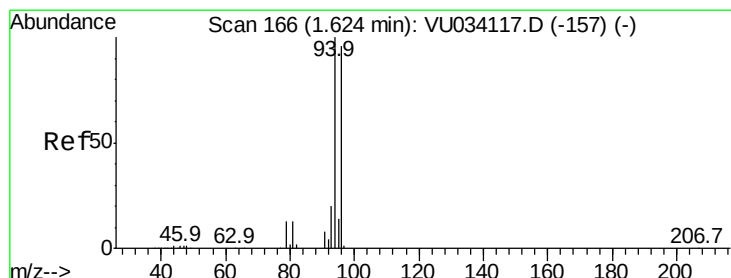
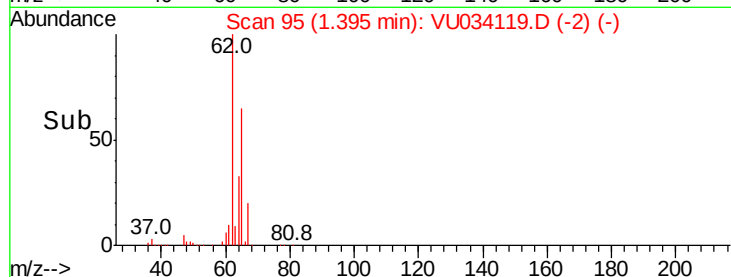
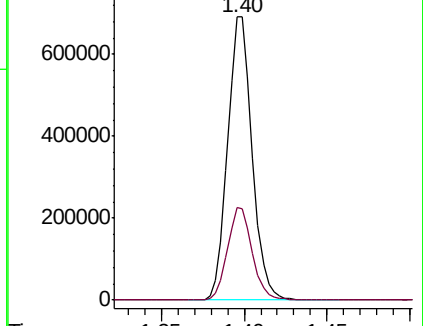
62 100

64 32.5 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034119.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034119.D (-86) (-)



#6

Bromomethane

Concen: 18.376 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU034119.D

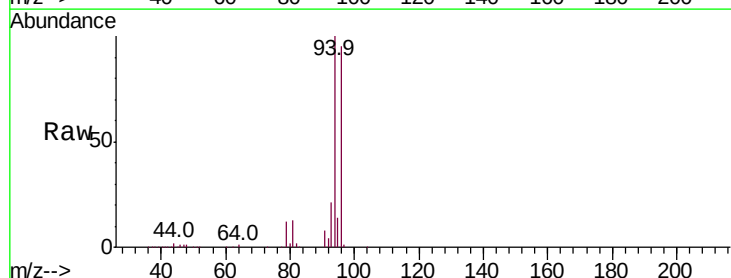
Acq: 31 Aug 2019 13:05

Tgt Ion: 94 Resp: 353214

Ion Ratio Lower Upper

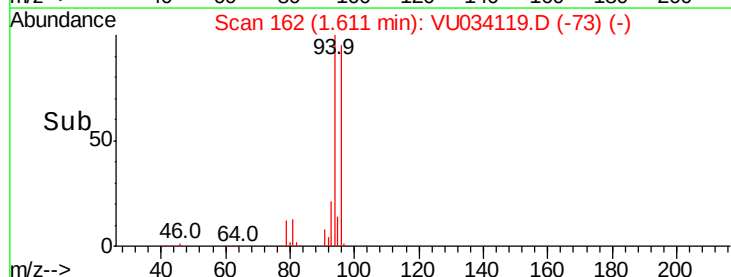
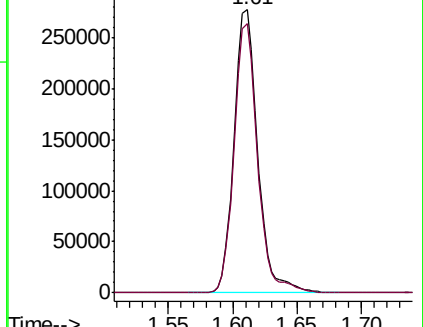
94 100

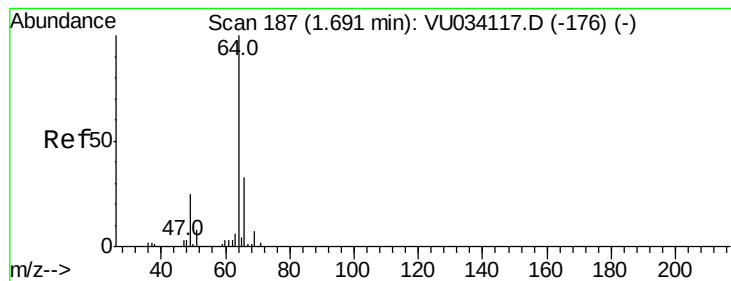
96 95.3 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VU034119.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU034119.D (-157) (-)





#8

Chloroethane

Concen: 15.209 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

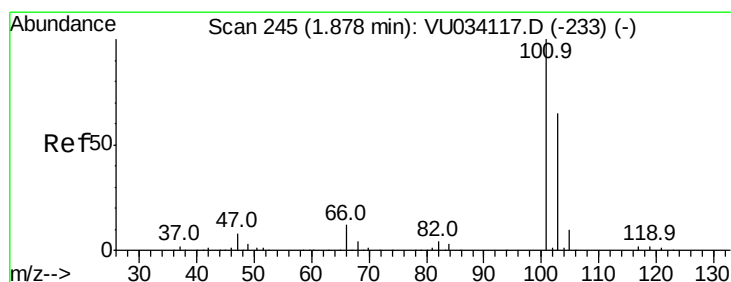
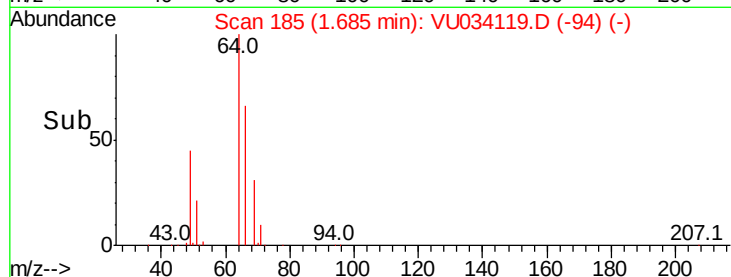
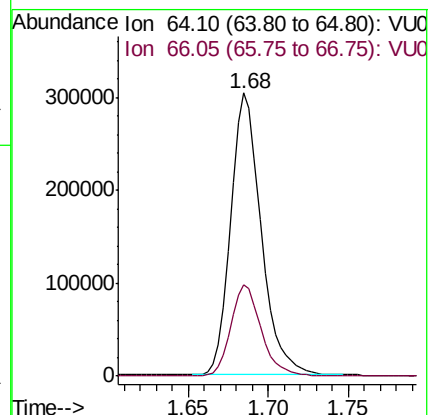
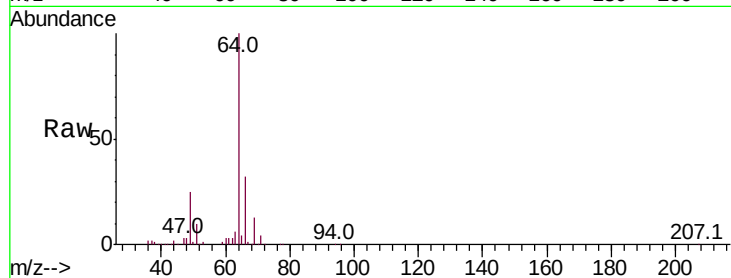
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 395158

Ion Ratio Lower Upper

64 100

66 32.2 22.7 42.1



#9

Trichlorofluoromethane

Concen: 16.628 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034119.D

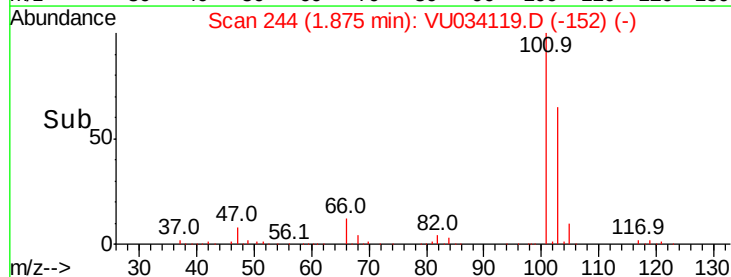
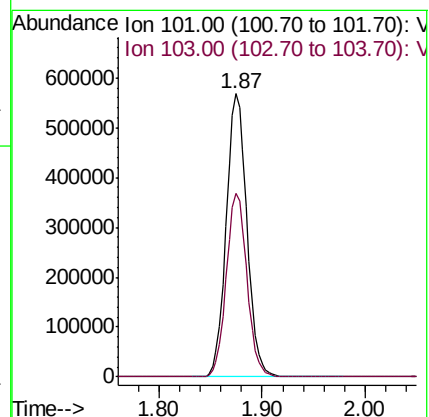
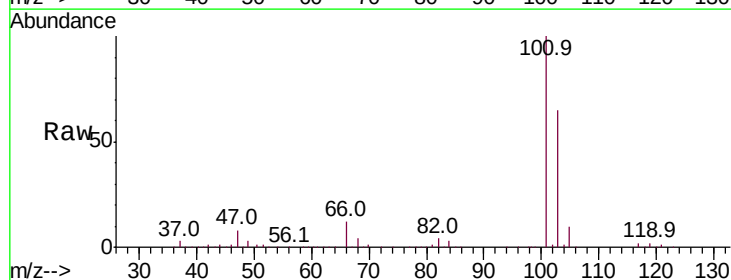
Acq: 31 Aug 2019 13:05

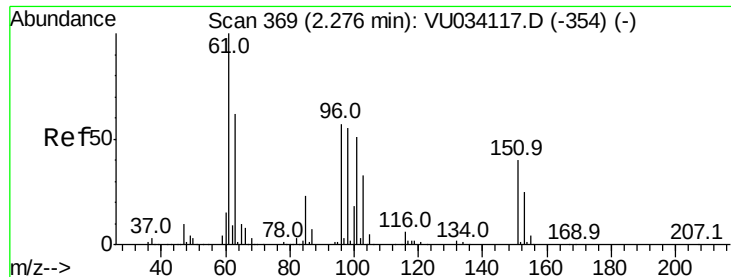
Tgt Ion:101 Resp: 790608

Ion Ratio Lower Upper

101 100

103 64.9 52.3 78.5





#10

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

Concen: 16.785 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

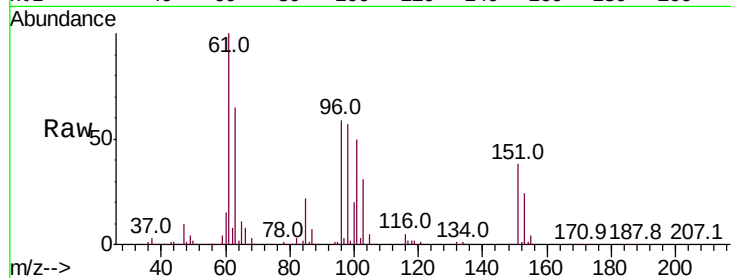
Tot Ion:101 Resp: 455726

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.4

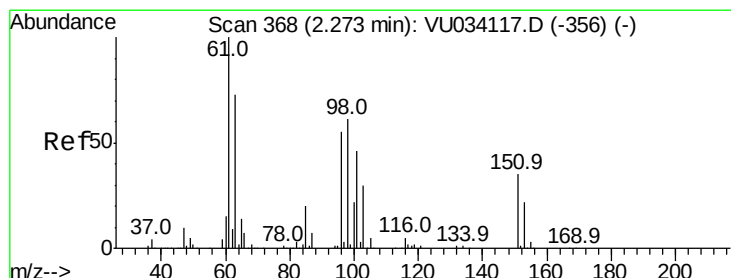
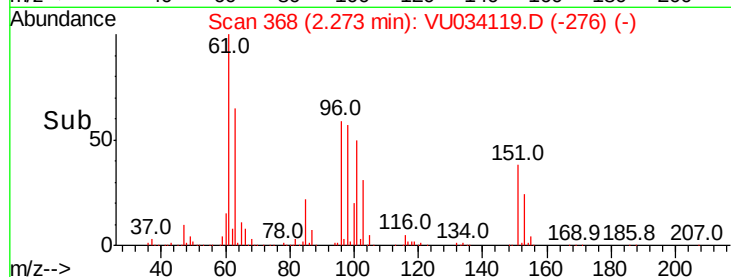
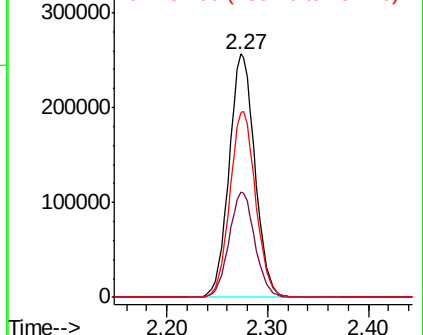
151 76.3 62.0 93.0



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: 17.223 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

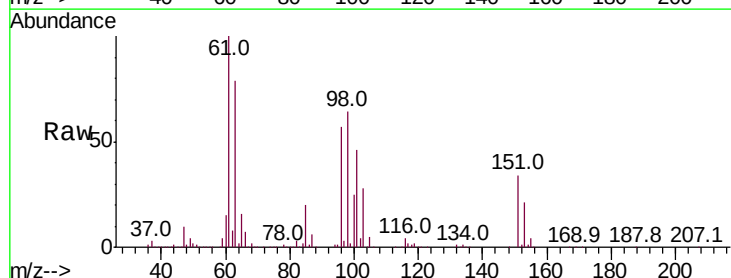
Tgt Ion: 96 Resp: 456167

Ion Ratio Lower Upper

96 100

61 175.5 126.6 235.0

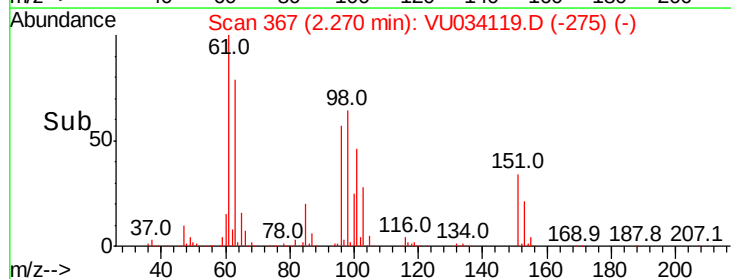
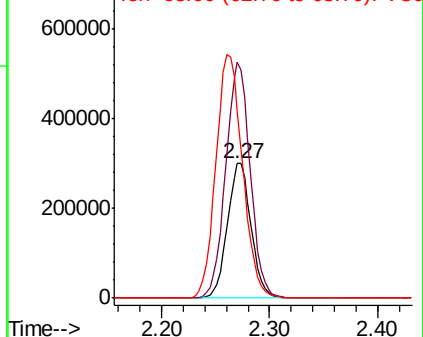
63 139.0 94.5 175.5

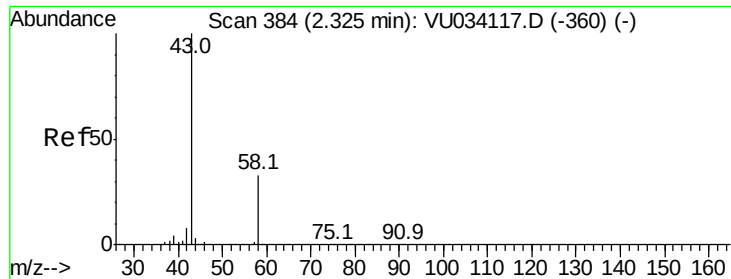


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 130.498 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

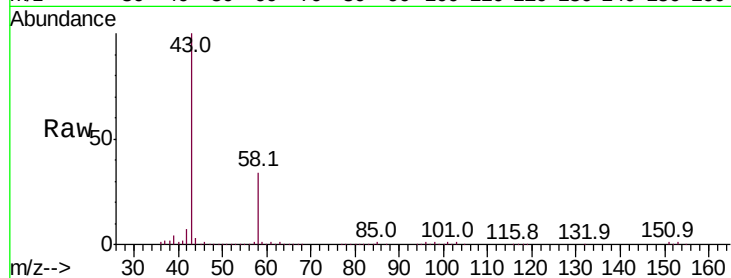
ClientSampled :

Tot Ion: 43 Resp: 715921

Ion Ratio Lower Upper

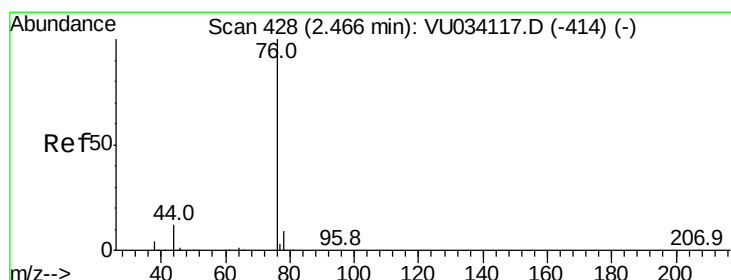
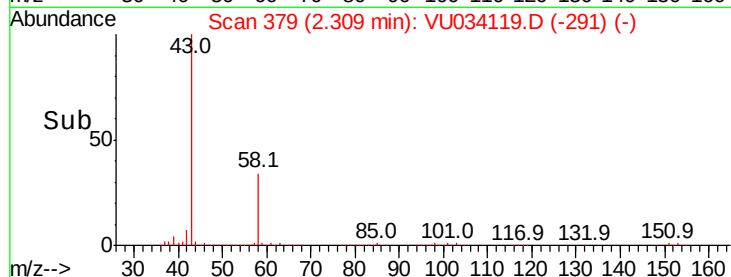
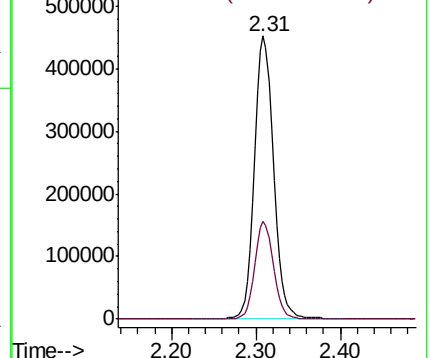
43 100

58 33.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 16.359 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034119.D

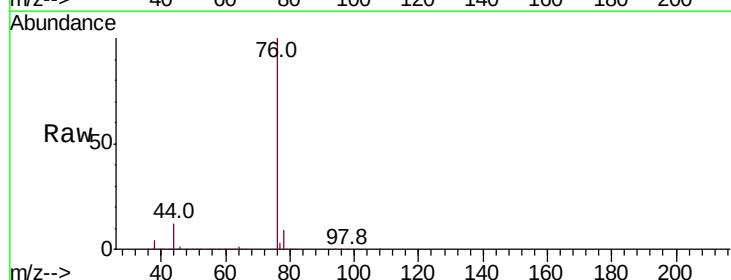
Acq: 31 Aug 2019 13:05

Tgt Ion: 76 Resp: 1521596

Ion Ratio Lower Upper

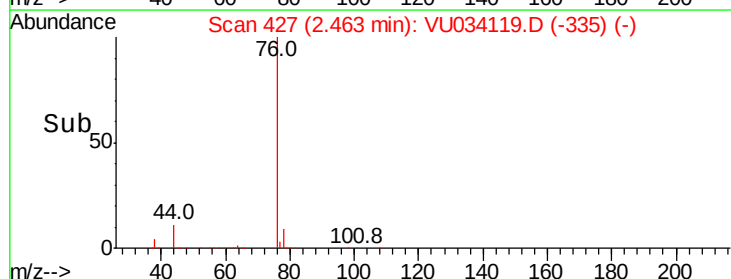
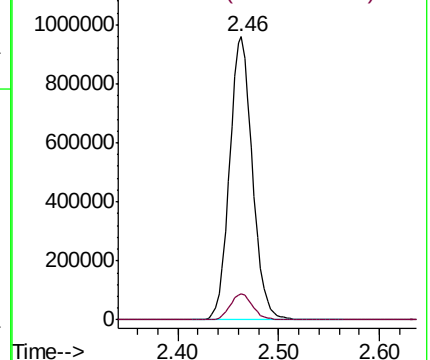
76 100

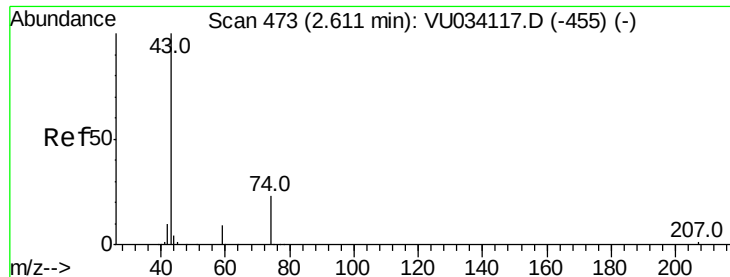
78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

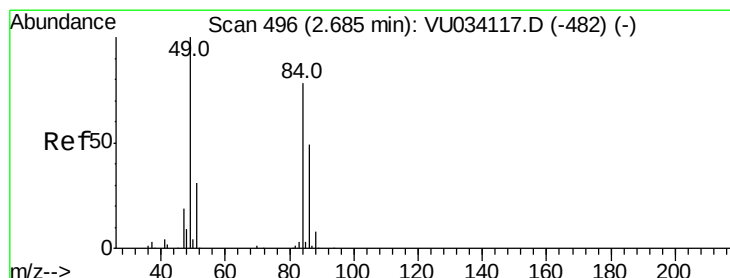
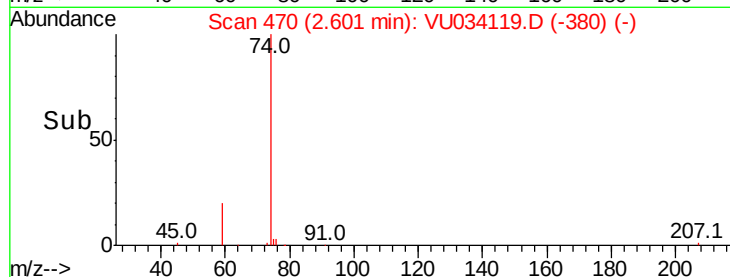
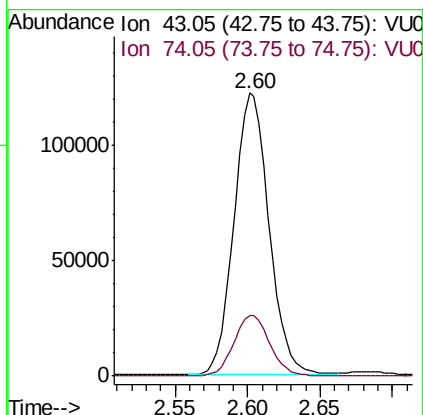
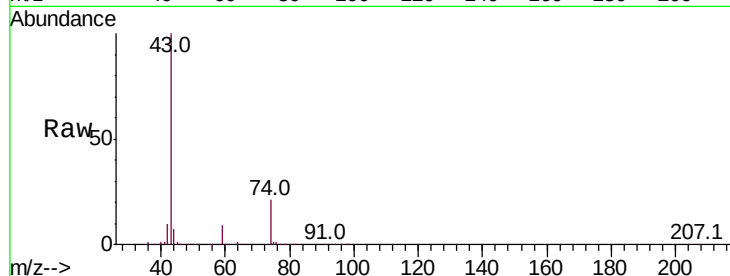




#15
Methvl Acetate
Concen: 13.599 ug/L
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

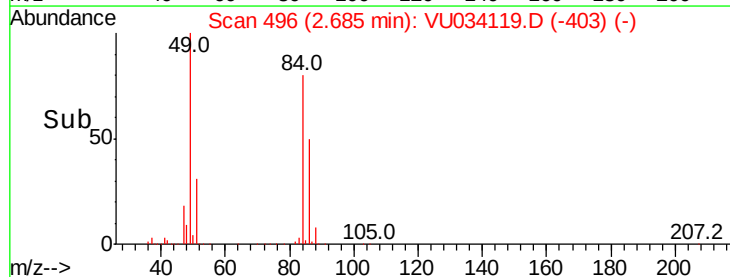
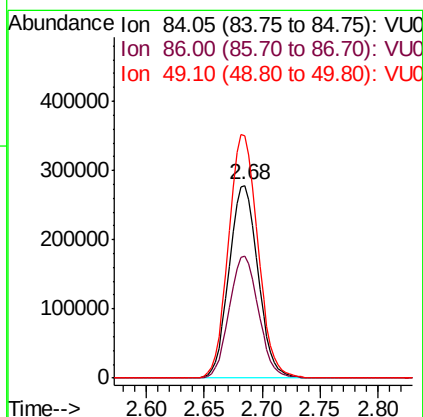
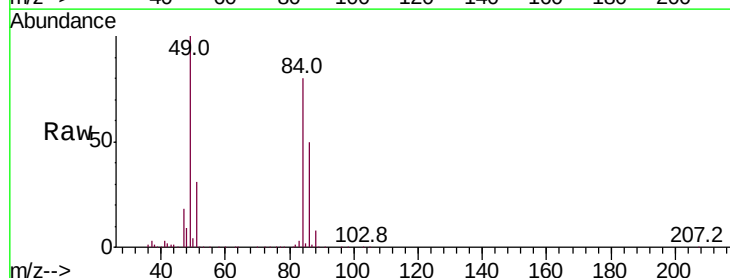
Instrument :
MSVOA_U
ClientSampled :

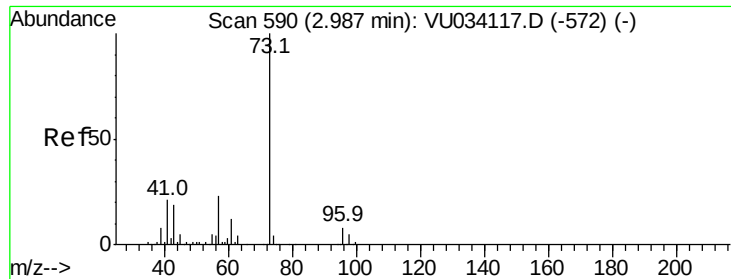
Tot Ion: 43 Resp: 205115
Ion Ratio Lower Upper
43 100
74 22.1 18.4 27.6



#16
Methylene chloride
Concen: 15.485 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion: 84 Resp: 480596
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.5
49 125.7 90.2 167.4



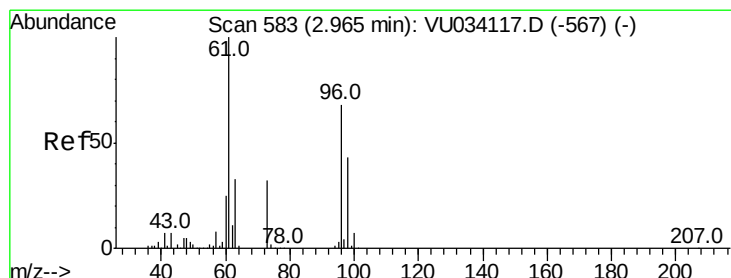
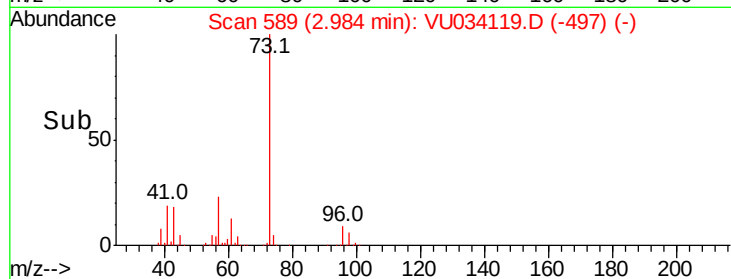
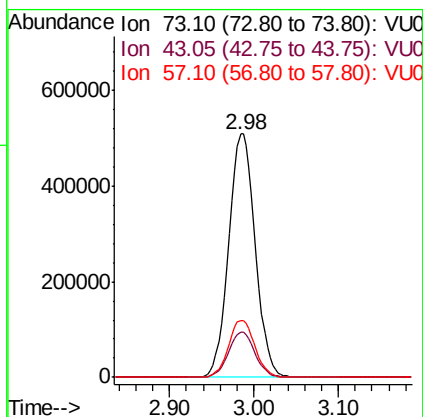
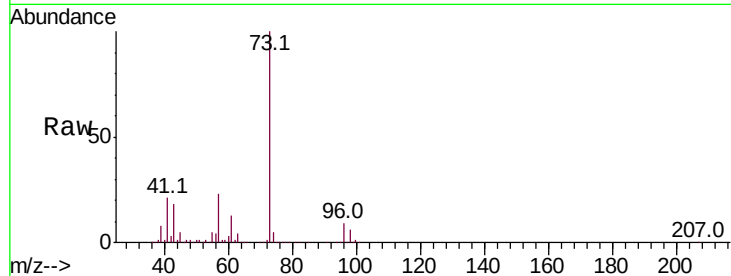


#17
Methyl tert-butyl Ether
Concen: 16.229 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 1110511

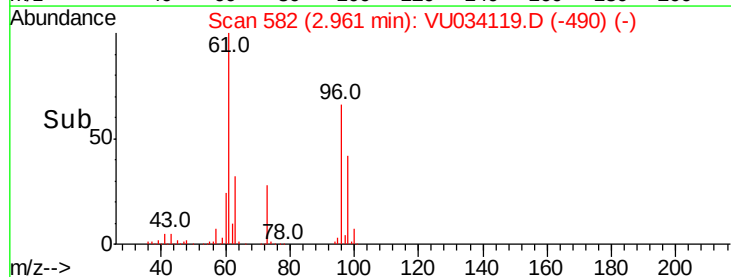
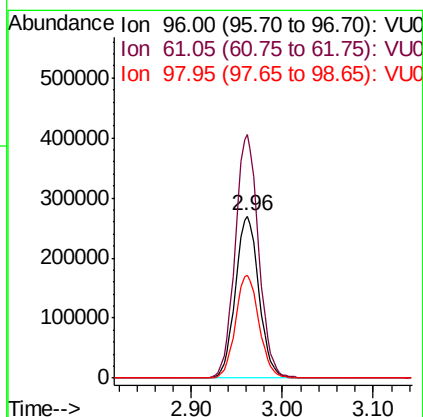
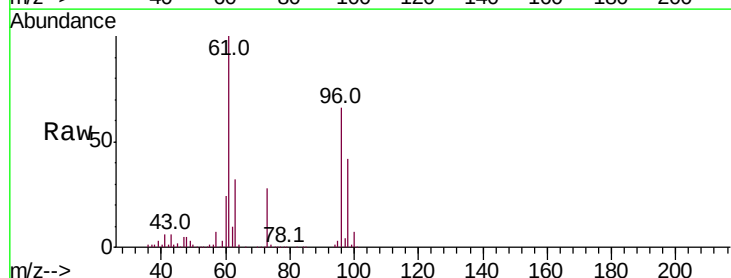
Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.7	22.1
57	23.2	18.6	27.8

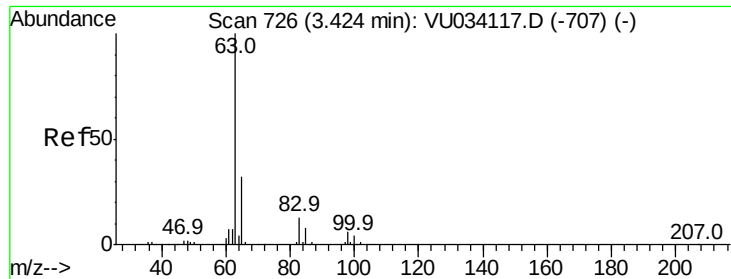


#18
trans-1,2-Dichloroethene
Concen: 16.923 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion: 96 Resp: 483677

Ion	Ratio	Lower	Upper
96	100		
61	150.5	103.5	192.3
98	63.6	44.9	83.3





#19

1,1-Dichloroethane

Concen: 17.215 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

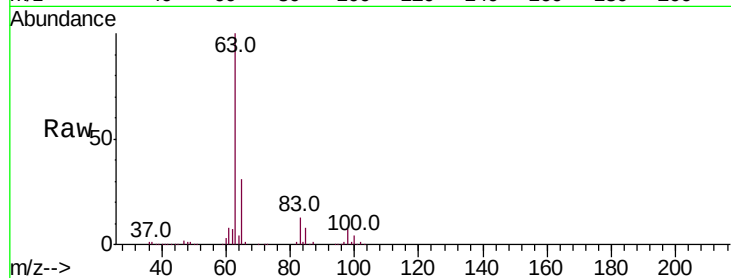
Tot Ion: 63 Resp: 962841

Ion Ratio Lower Upper

63 100

65 31.3 22.5 41.9

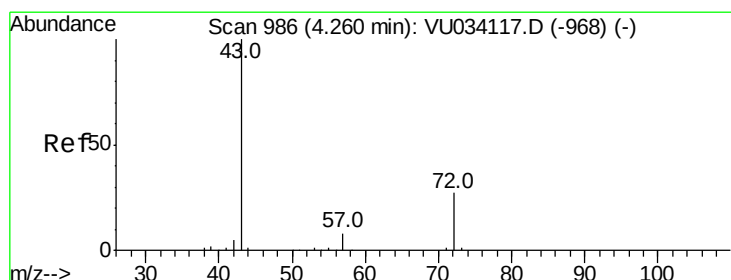
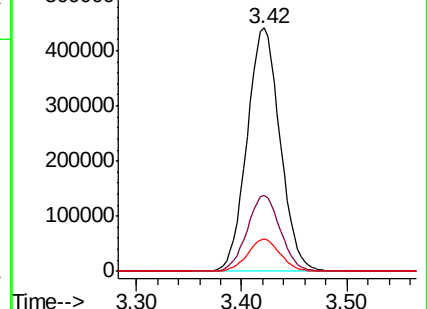
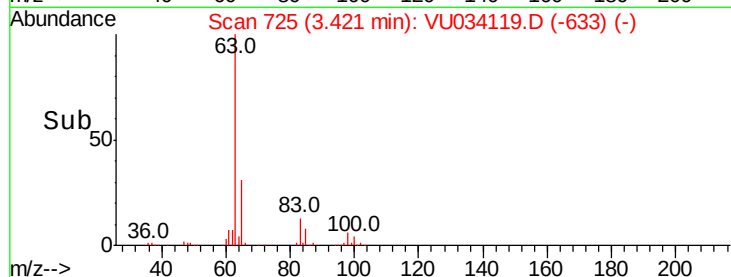
83 13.1 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU034119.D (-633) (-)

Ion 65.10 (64.80 to 65.80): VU034119.D (-633) (-)

Ion 83.05 (82.75 to 83.75): VU034119.D (-633) (-)



#21

2-Butanone

Concen: 164.738 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.01 min

Lab File: VU034119.D

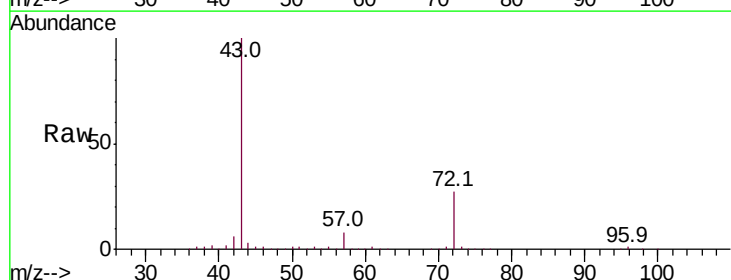
Acq: 31 Aug 2019 13:05

Tgt Ion: 43 Resp: 1312940

Ion Ratio Lower Upper

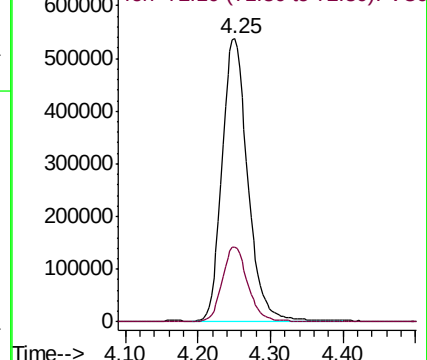
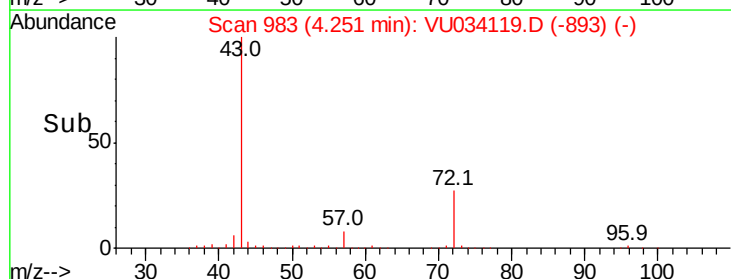
43 100

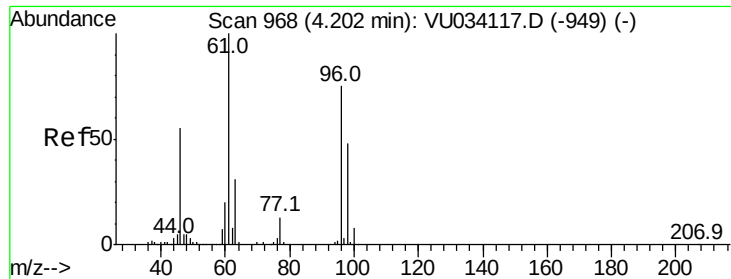
72 26.8 13.3 39.8



Abundance Ion 43.05 (42.75 to 43.75): VU034119.D (-893) (-)

Ion 72.10 (71.80 to 72.80): VU034119.D (-893) (-)

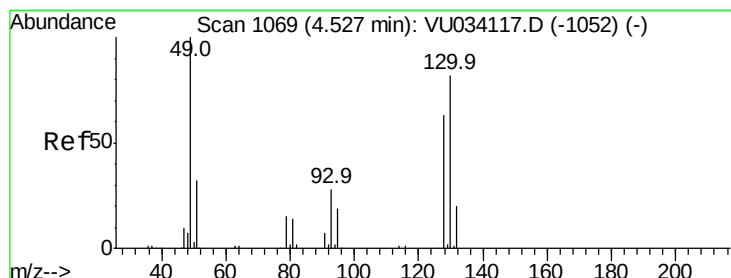
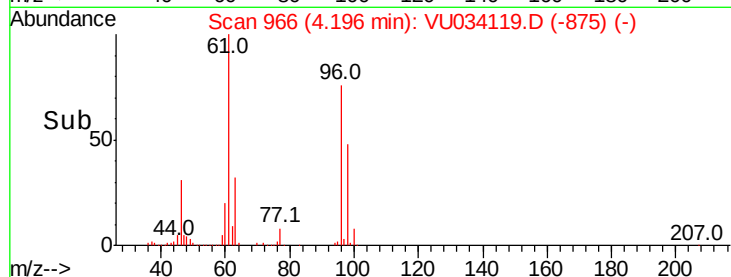
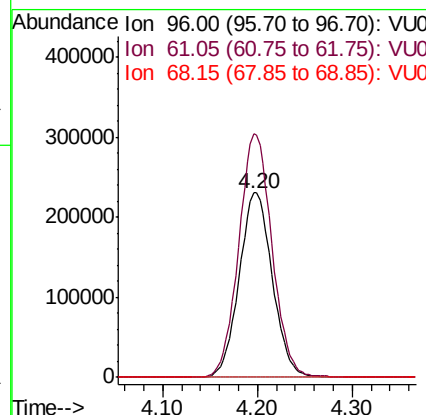
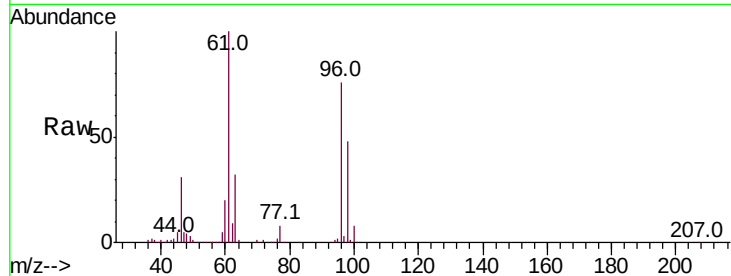




#22
 cis-1,2-Dichloroethene
 Concen: 18.720 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

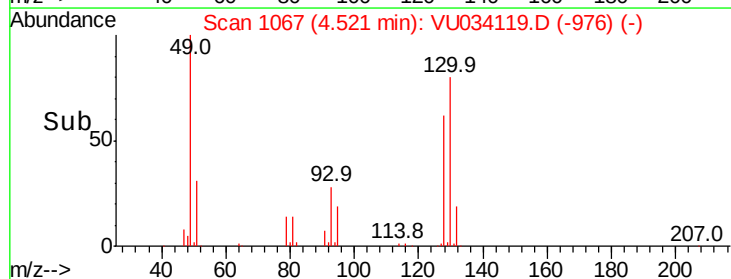
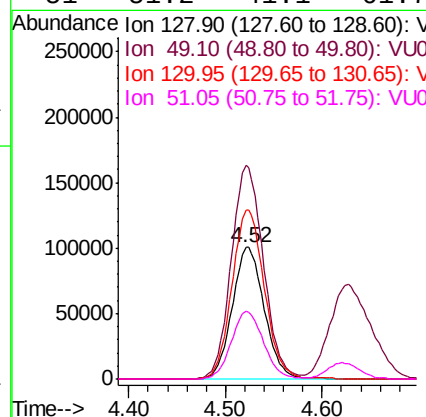
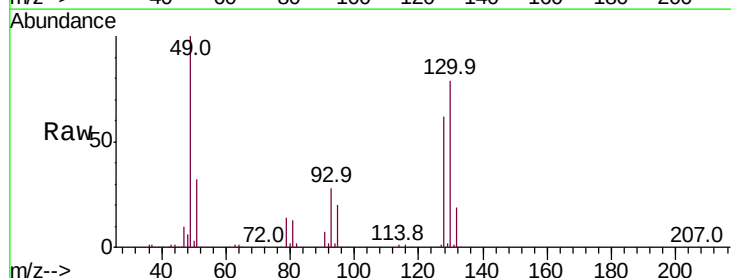
Instrument :
 MSVOA_U
 ClientSampleId :

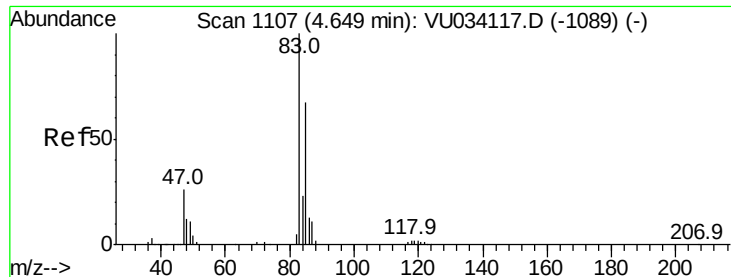
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.1	93.6	173.8
68	0.0	0.0	0.0



#23
 Bromochloromethane
 Concen: 17.252 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.2	110.8	205.8
130	128.3	90.8	168.6
51	51.2	41.1	61.7

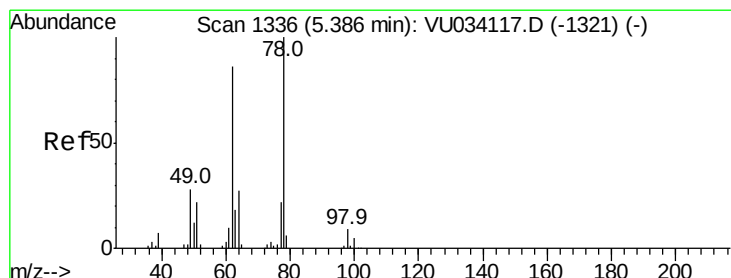
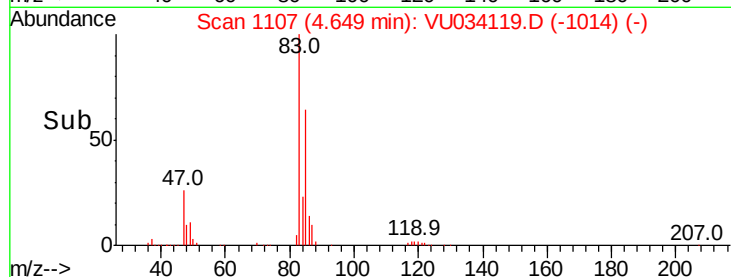
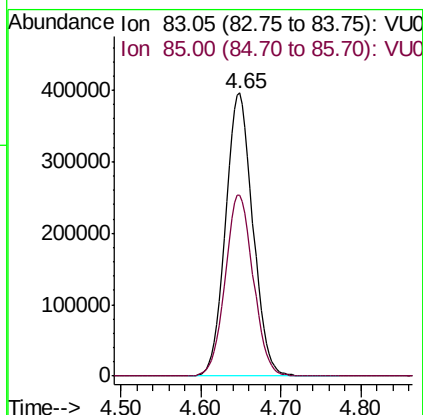
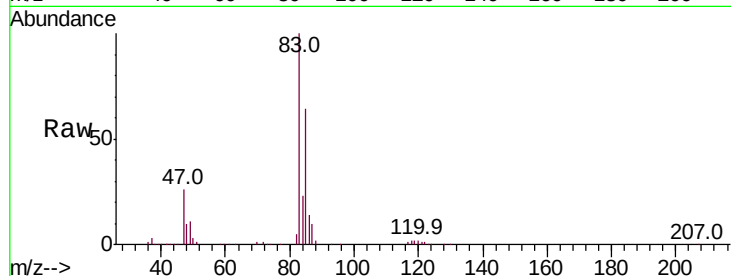




#25
Chloroform
Concen: 15.999 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

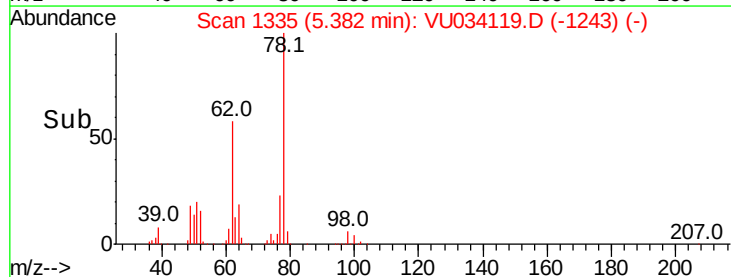
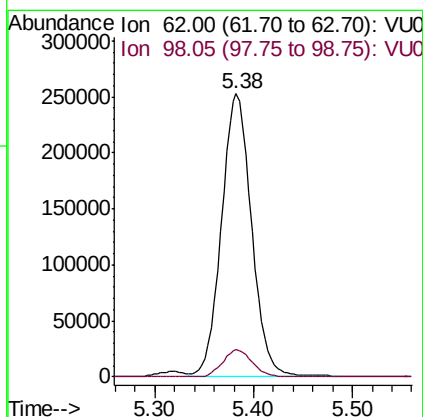
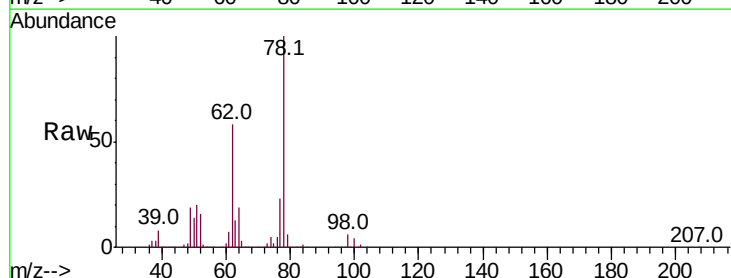
Instrument :
MSVOA_U
ClientSampleId :

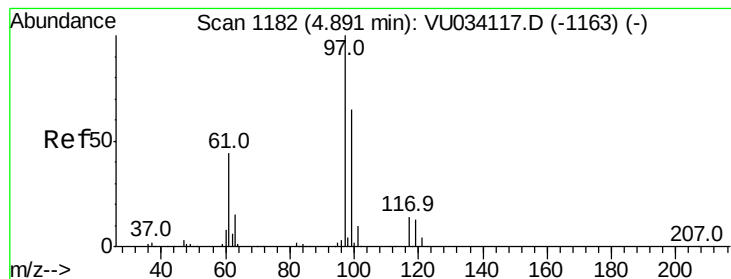
Tot Ion: 83 Resp: 925496
Ion Ratio Lower Upper
83 100
85 64.1 46.8 86.8



#27
1,2-Dichloroethane
Concen: 15.864 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion: 62 Resp: 537547
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 18.771 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

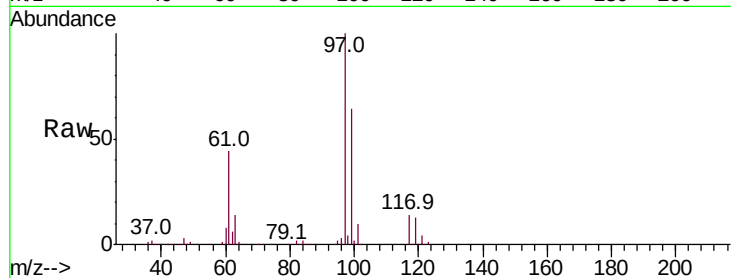
Tot Ion: 97 Resp: 773402

Ion Ratio Lower Upper

97 100

99 64.1 52.1 78.1

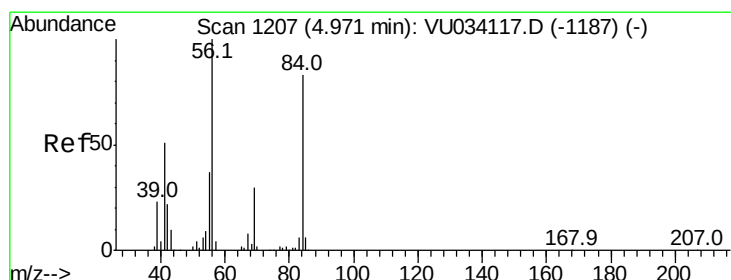
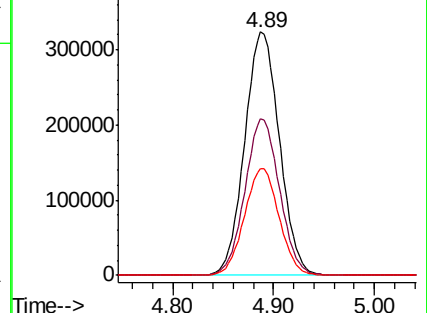
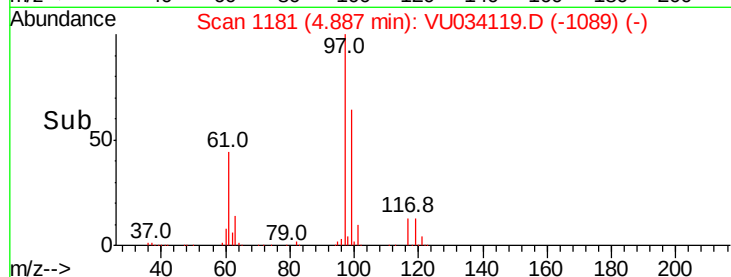
61 43.7 35.4 53.2



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: 21.885 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

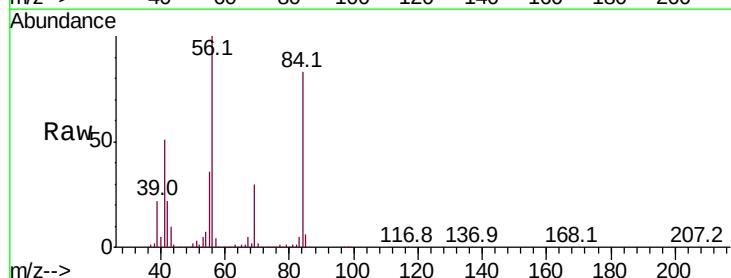
Tgt Ion: 56 Resp: 940514

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

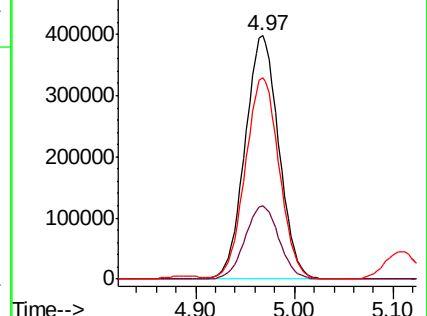
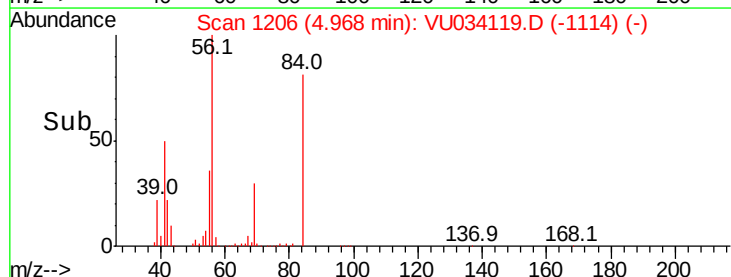
84 83.4 67.0 100.4

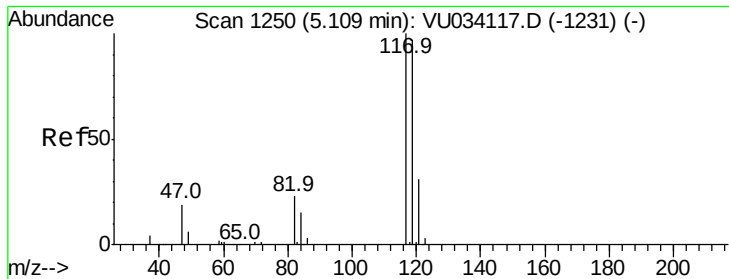


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 18.961 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

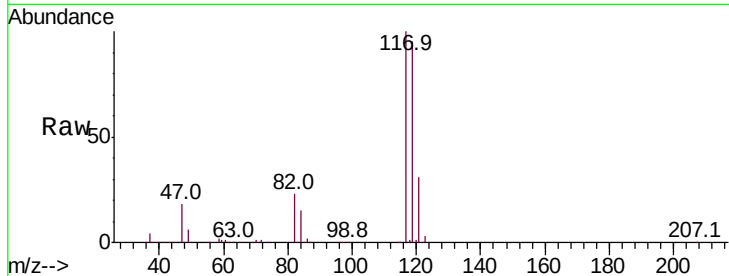
ClientSampleId :

Tot Ion:117 Resp: 693409

Ion Ratio Lower Upper

117 100

119 96.5 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.11

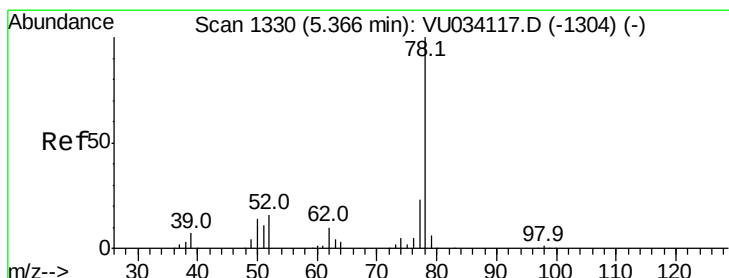
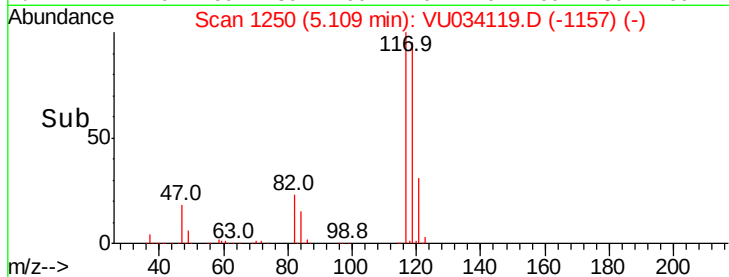
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 19.782 ug/L

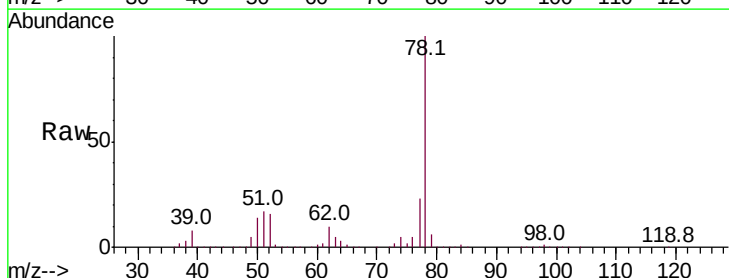
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Tgt Ion: 78 Resp: 2107557



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.36

1000000

800000

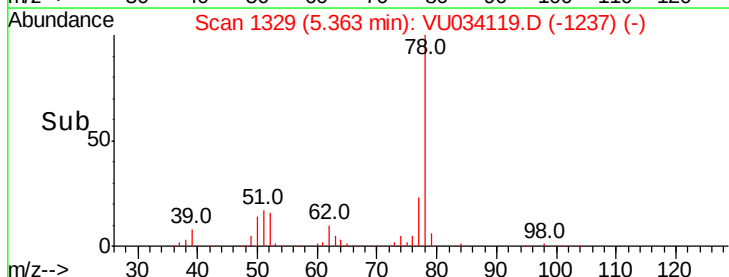
600000

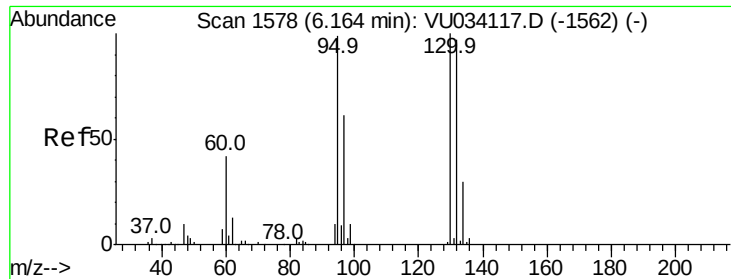
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 19.799 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 550130

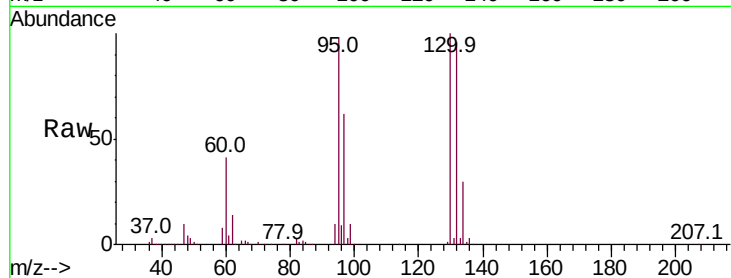
Ion Ratio Lower Upper

95 100

97 63.6 43.3 80.5

132 98.0 68.6 127.4

130 102.3 70.5 130.9

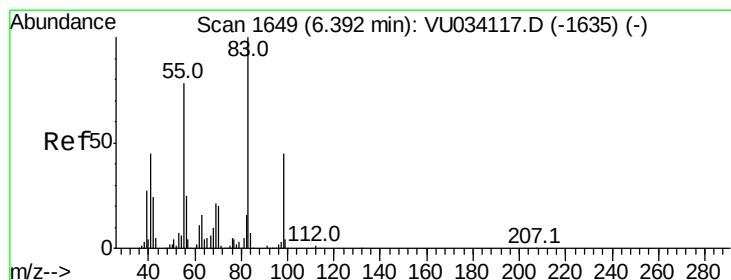
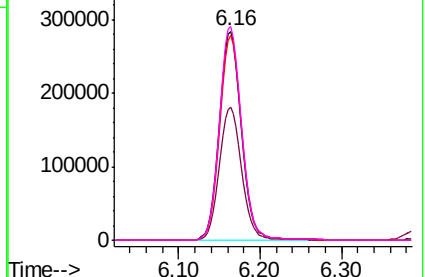
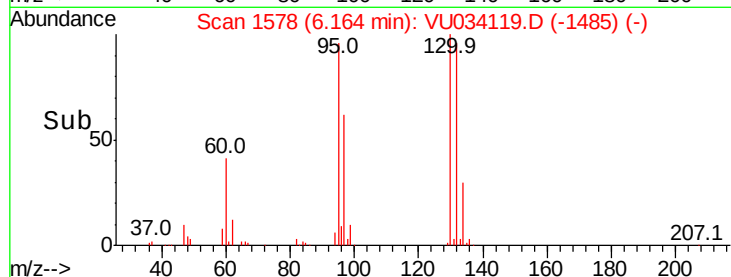


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 22.317 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

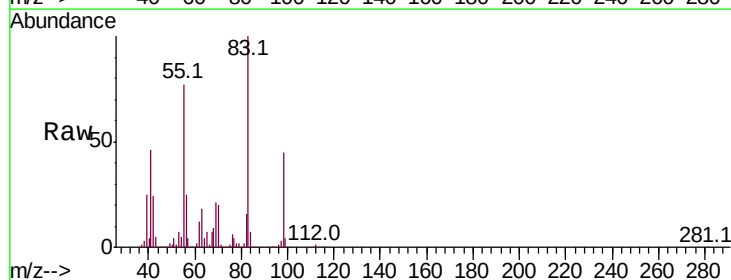
Tgt Ion: 83 Resp: 953478

Ion Ratio Lower Upper

83 100

55 77.5 62.6 94.0

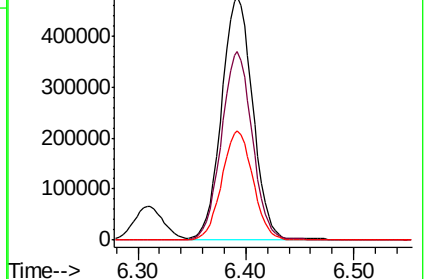
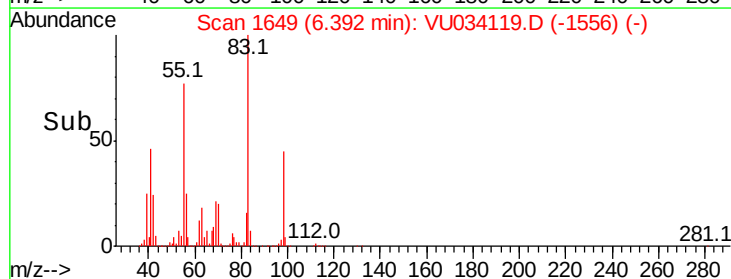
98 45.3 36.2 54.2

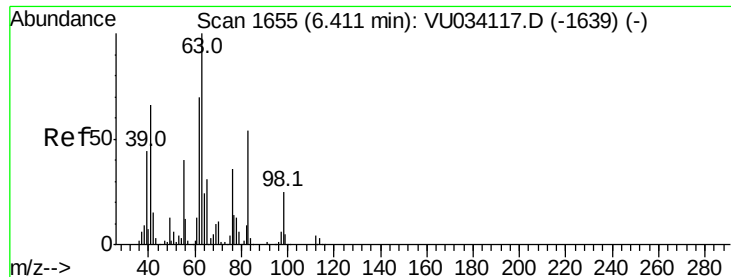


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

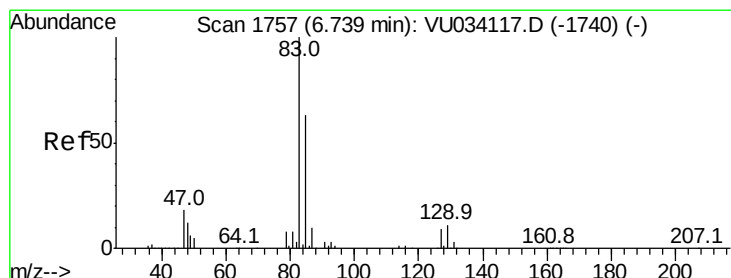
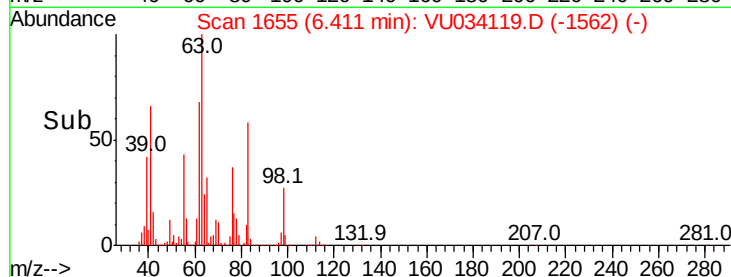
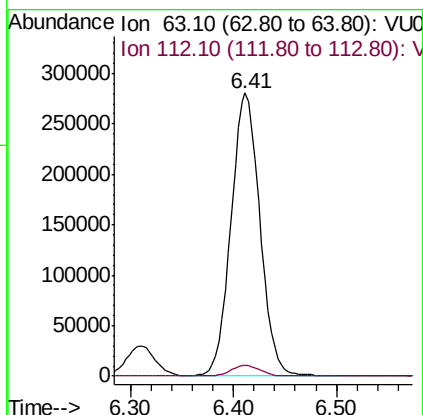
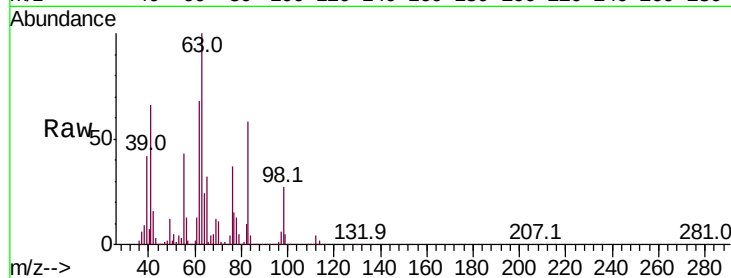




#37
 1,2-Dichloropropane
 Concen: 18.816 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

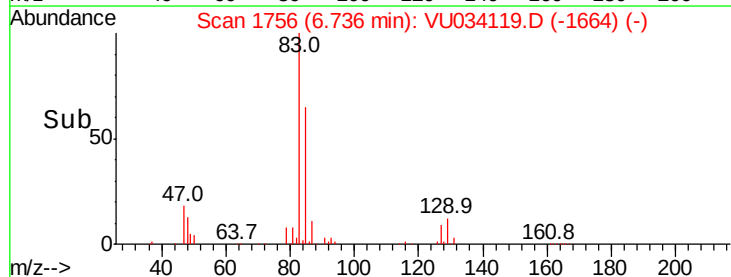
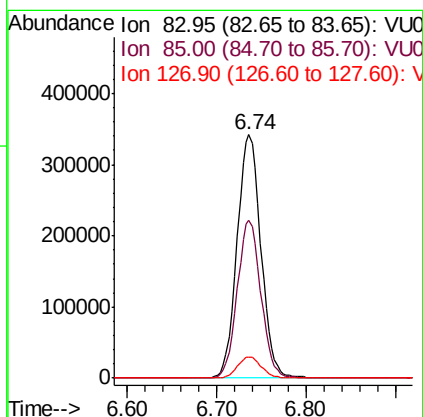
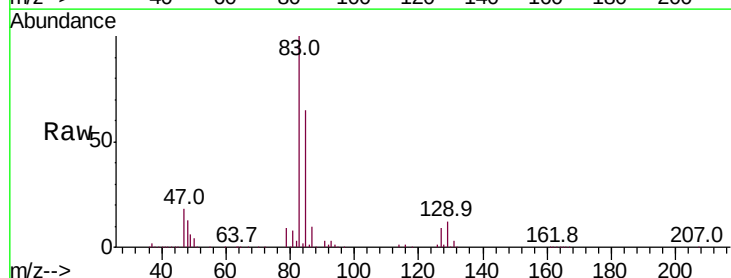
Instrument :
 MSVOA_U
 ClientSampleId :

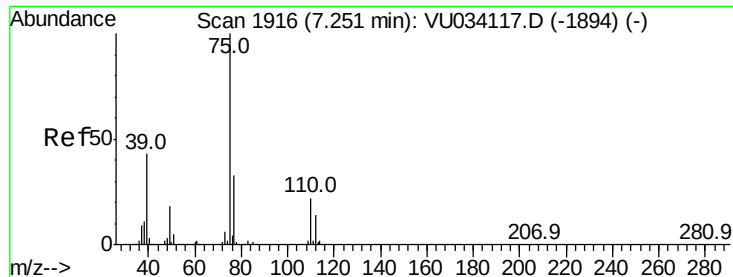
Tot Ion: 63 Resp: 545916
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.3 4.9



#38
 Bromodichloromethane
 Concen: 17.944 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

Tgt Ion: 83 Resp: 632317
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.0 81.8
 127 8.8 6.9 10.3

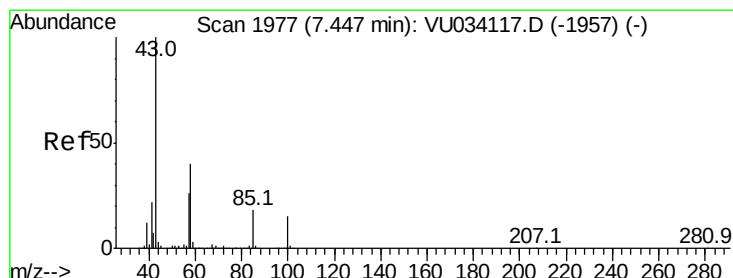
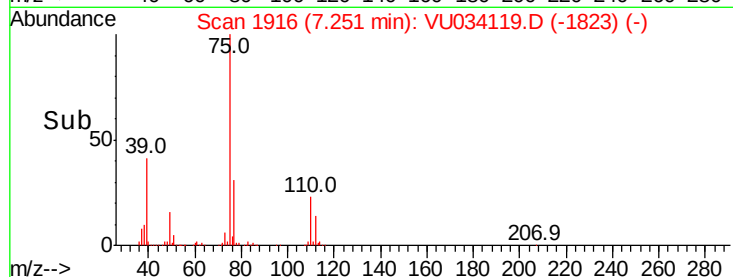
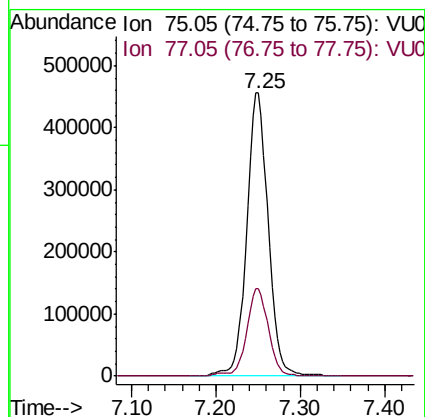
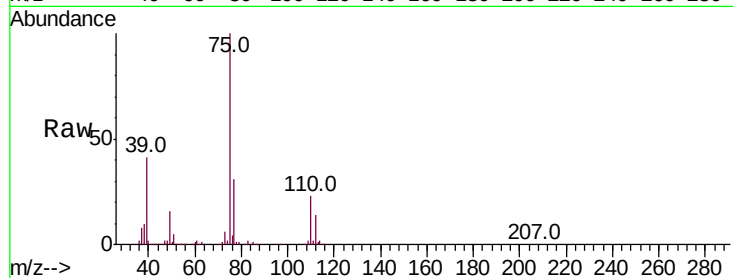




#39
 cis-1,3-Dichloropropene
 Concen: 21.247 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

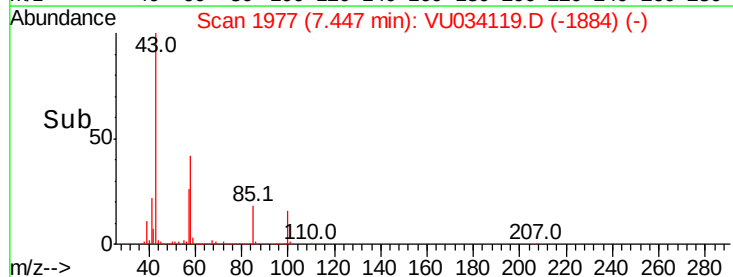
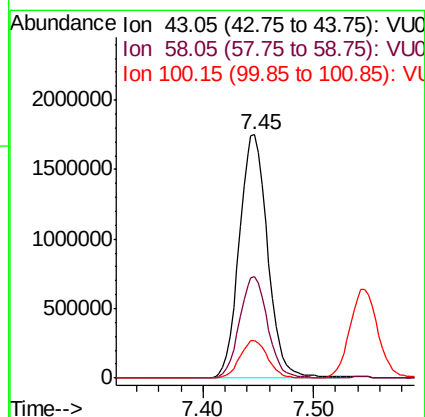
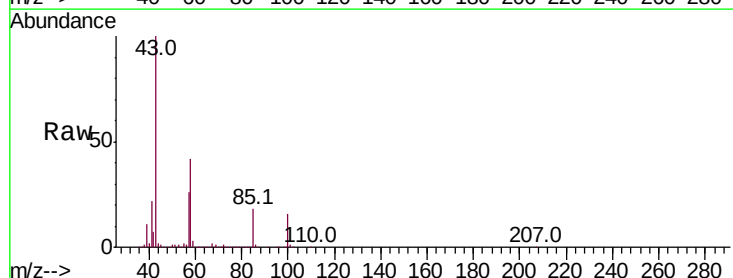
Instrument :
 MSVOA_U
 ClientSampled :

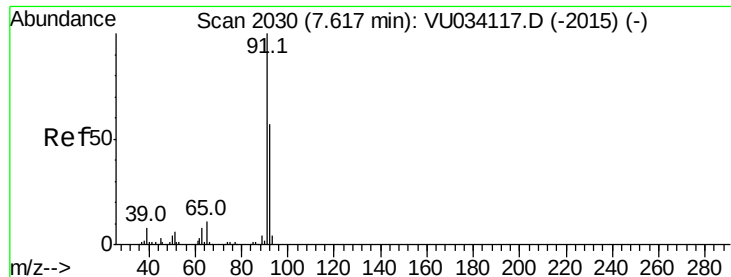
Tot Ion: 75 Resp: 812870
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 182.401 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

Tgt Ion: 43 Resp: 3123402
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.4 48.6
 100 15.4 12.2 18.2





#42

Toluene

Concen: 21.282 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

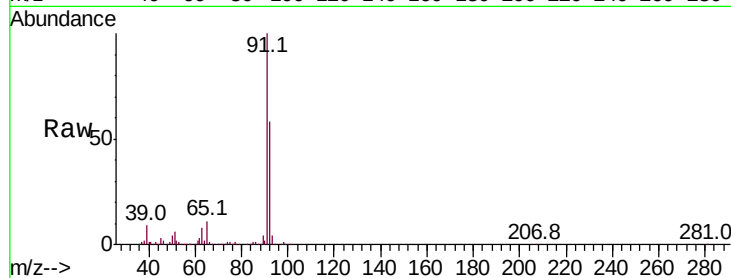
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2294130

Ion Ratio Lower Upper

91 100

92 58.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU034119.D (-1937) (-)

Ion 92.15 (91.85 to 92.85): VU034119.D (-1937) (-)

7.62

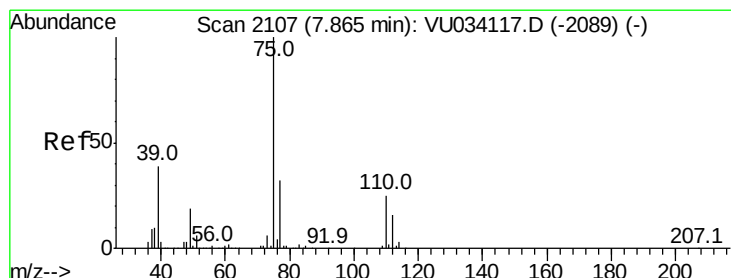
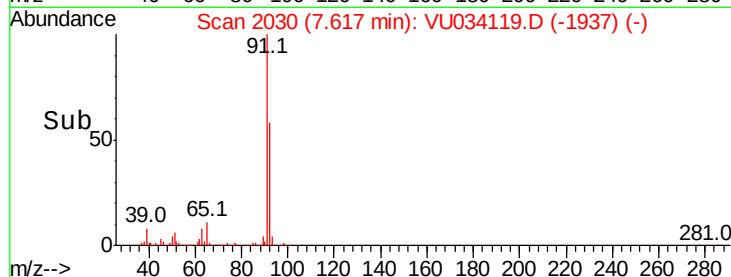
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 19.676 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034119.D

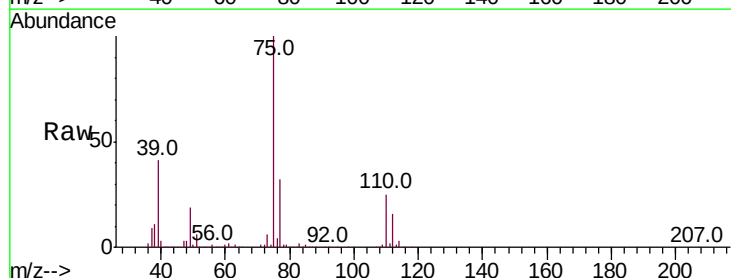
Acq: 31 Aug 2019 13:05

Tgt Ion: 75 Resp: 604998

Ion Ratio Lower Upper

75 100

77 31.9 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU034119.D (-2014) (-)

Ion 77.05 (76.75 to 77.75): VU034119.D (-2014) (-)

7.86

400000

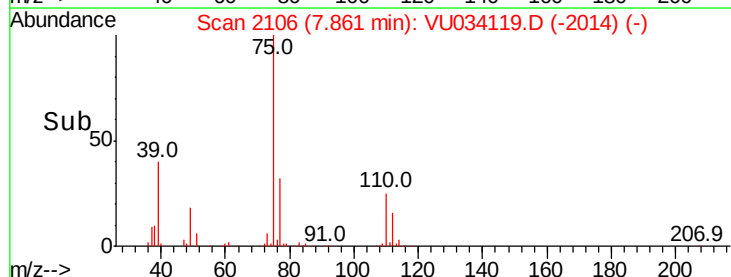
300000

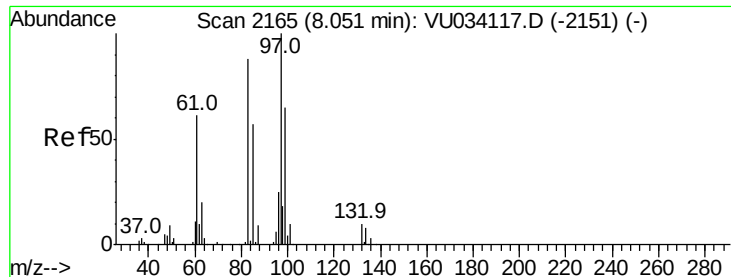
200000

100000

0

Time-->

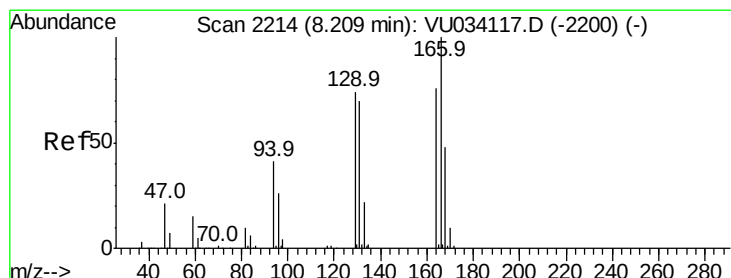
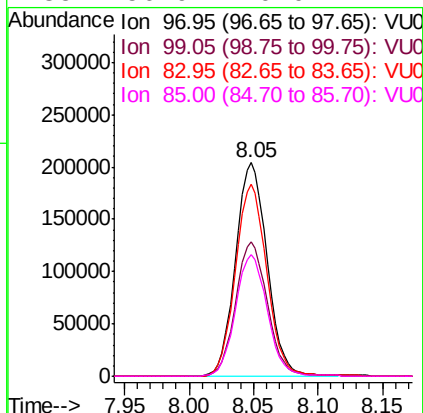
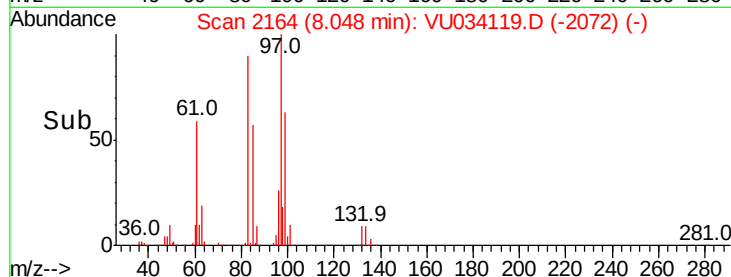
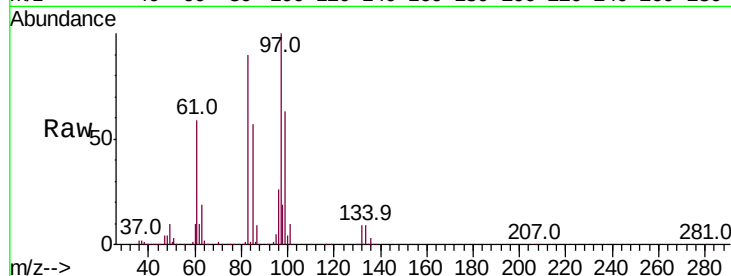




#45
1,1,2-Trichloroethane
Concen: 17.954 ug/L
RT: 8.05 min Scan# 2164
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

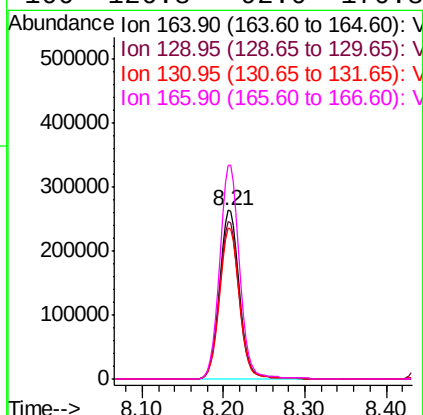
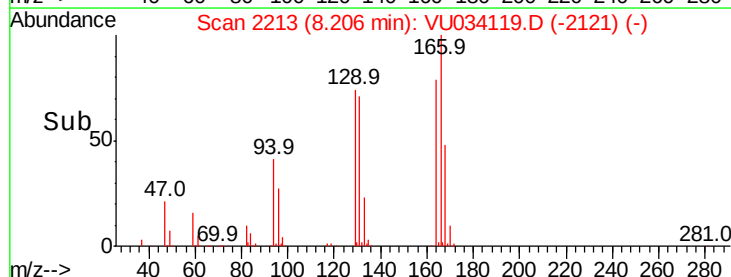
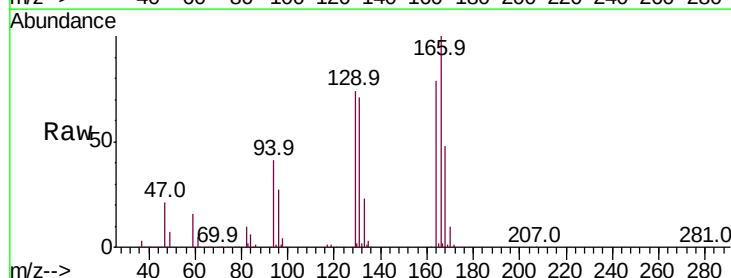
Instrument :
MSVOA_U
ClientSampleId :

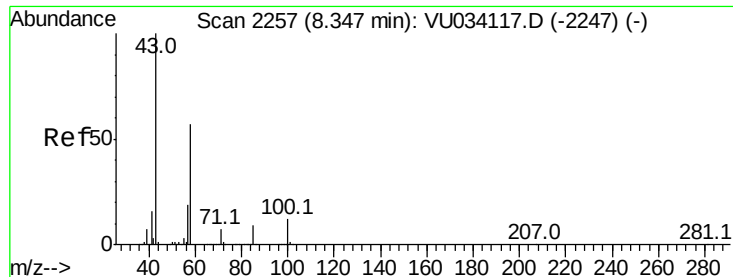
Tot Ion:	97	Resp:	348232
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.5	84.5
83	89.7	61.5	114.3
85	56.9	40.0	74.2



#47
Tetrachloroethene
Concen: 20.901 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion:	164	Resp:	457831
Ion	Ratio	Lower	Upper
164	100		
129	93.7	68.0	126.2
131	89.7	64.6	120.0
166	126.8	92.0	170.8

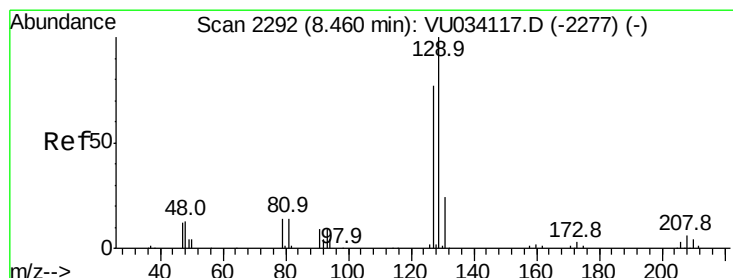
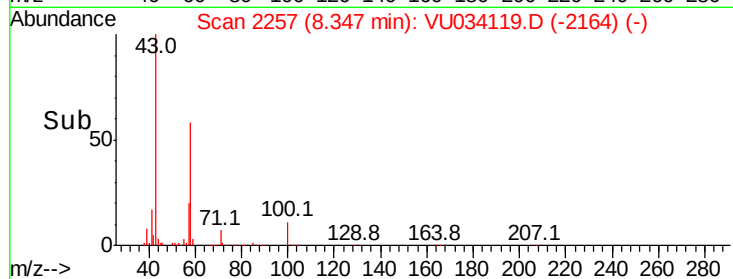
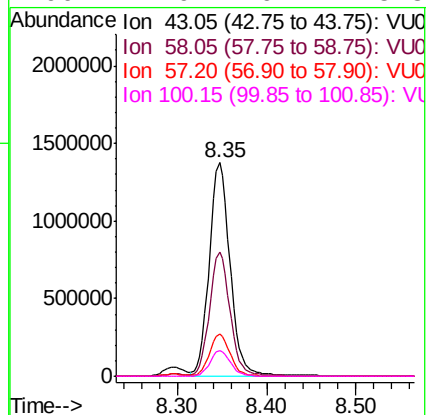
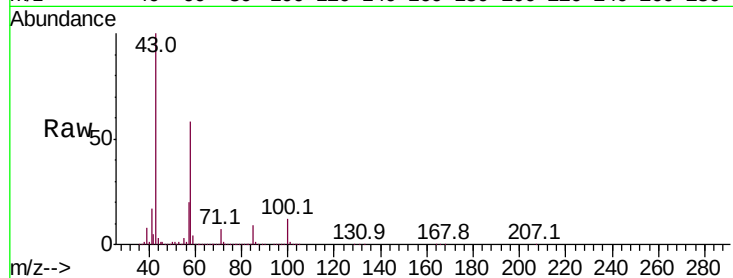




#48
2-Hexanone
Concen: 185.752 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

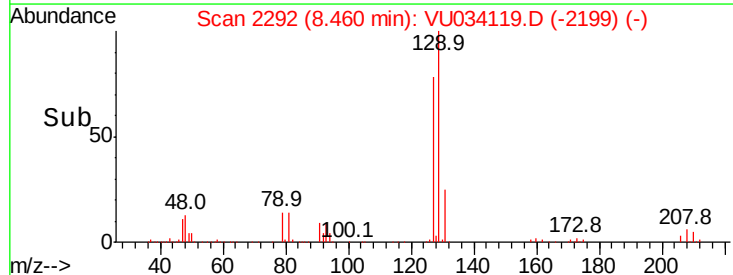
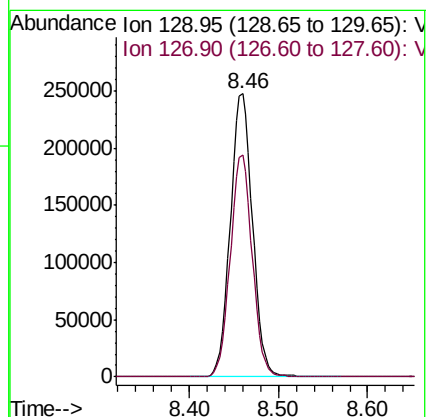
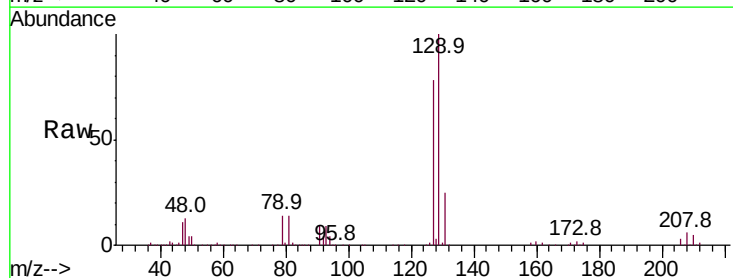
Instrument :
MSVOA_U
ClientSampleId :

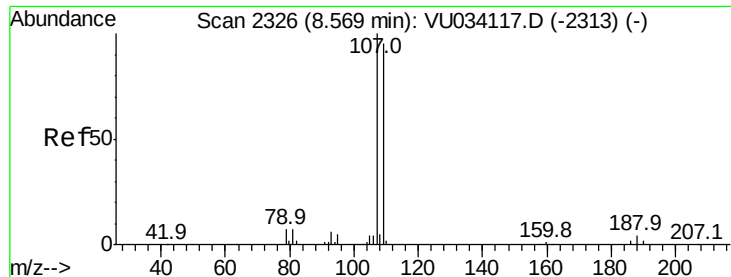
Tot Ion: 43 Resp: 2221070
Ion Ratio Lower Upper
43 100
58 57.6 44.9 67.3
57 19.7 15.0 22.6
100 11.9 9.2 13.8



#49
Dibromochloromethane
Concen: 18.580 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion: 129 Resp: 425170
Ion Ratio Lower Upper
129 100
127 78.3 54.2 100.6

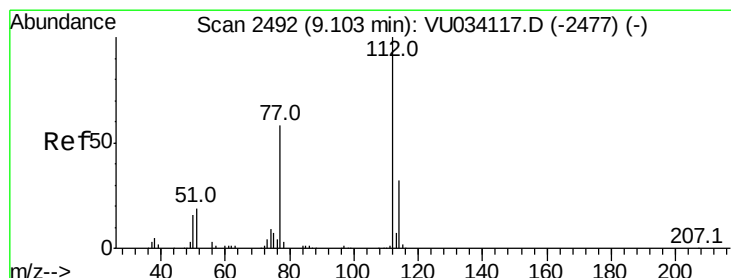
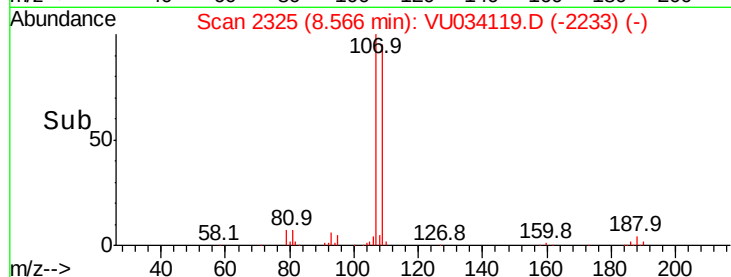
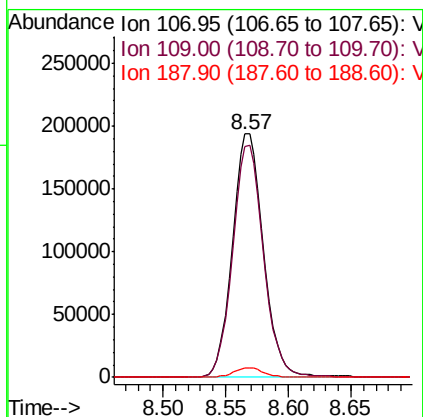
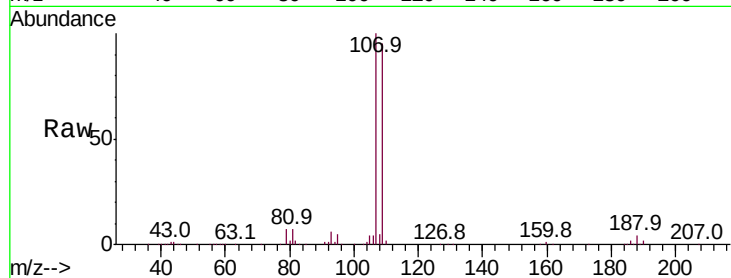




#50
1,2-Dibromoethane
Concen: 18.015 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

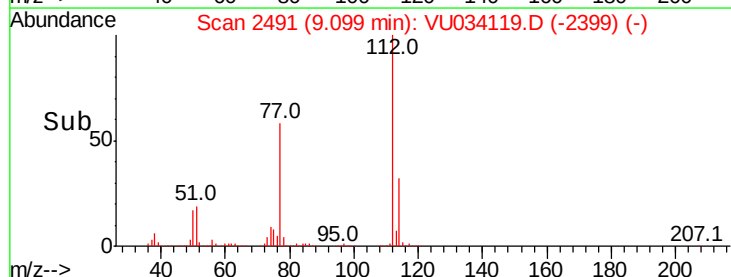
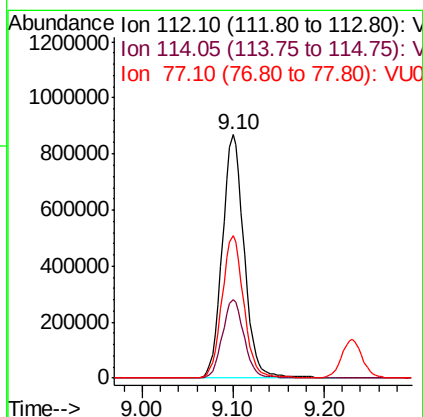
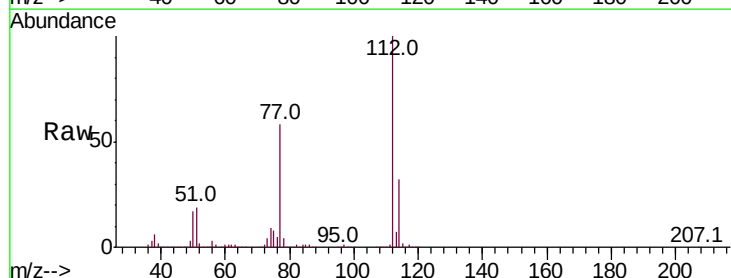
Instrument :
MSVOA_U
ClientSampleId :

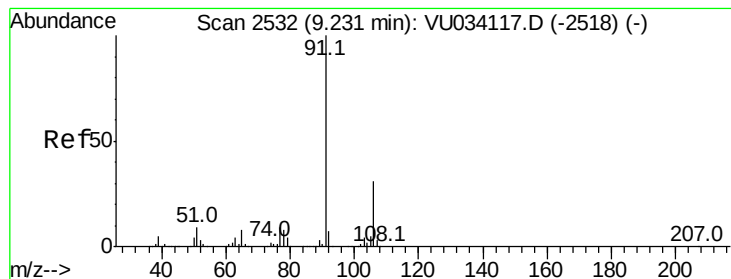
Tot Ion:107 Resp: 331662
Ion Ratio Lower Upper
107 100
109 94.8 66.4 123.2
188 3.8 3.4 5.0



#51
Chlorobenzene
Concen: 20.475 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Tgt Ion:112 Resp: 1450401
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 58.5 46.3 69.5





#52

Ethylbenzene

Concen: 22.452 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

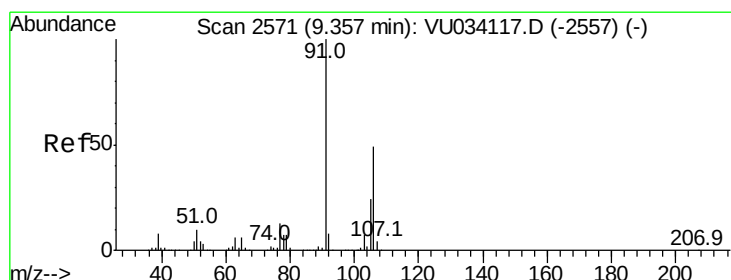
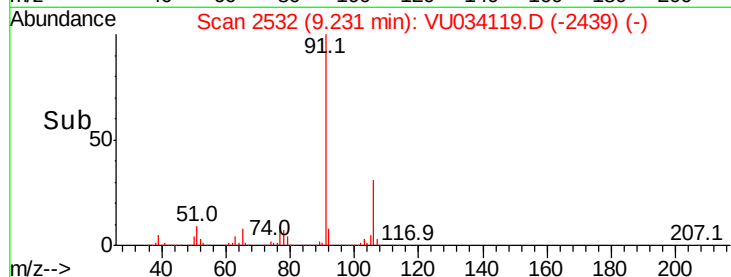
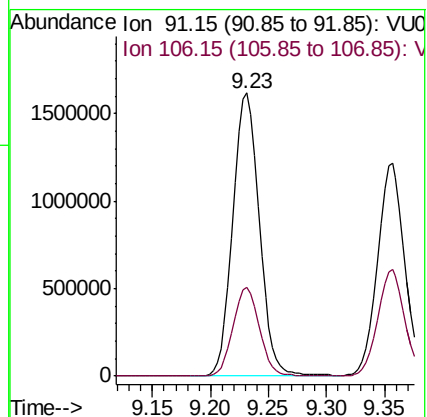
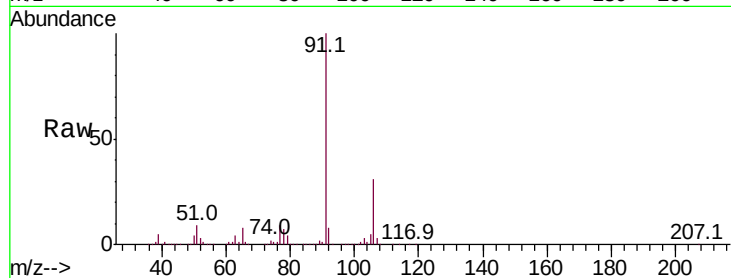
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2558024

Ion Ratio Lower Upper

91 100

106 31.3 21.4 39.8



#53

m,p-Xylene

Concen: 23.360 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034119.D

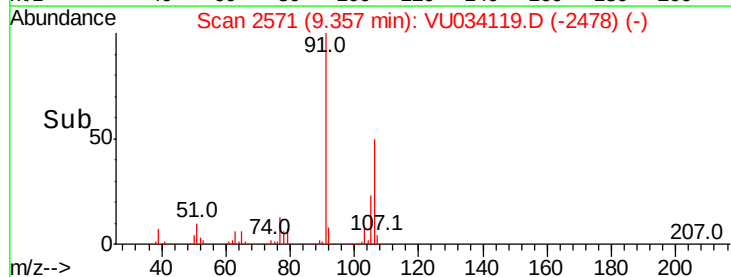
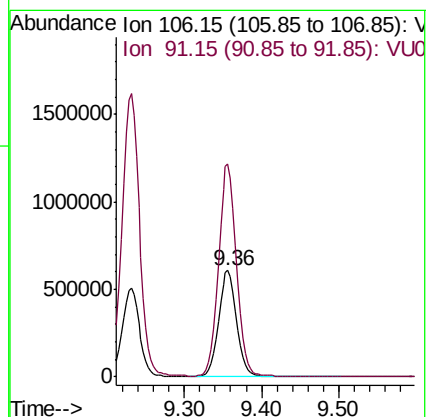
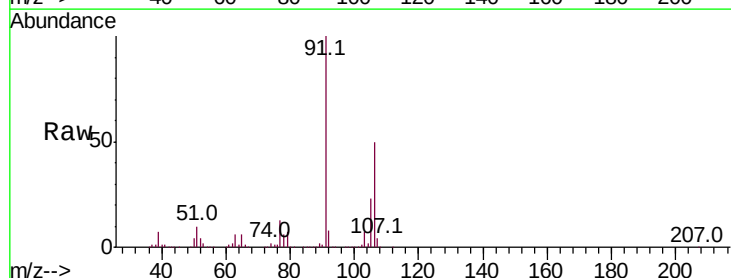
Acq: 31 Aug 2019 13:05

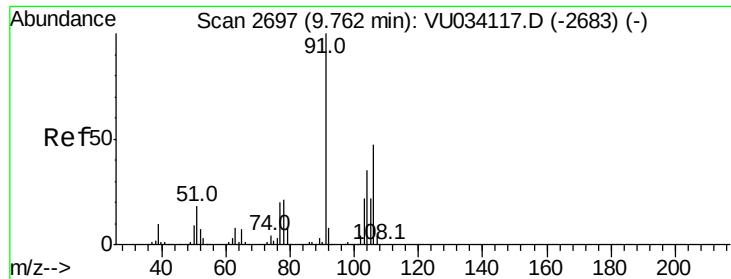
Tgt Ion:106 Resp: 997817

Ion Ratio Lower Upper

106 100

91 200.5 143.4 266.4

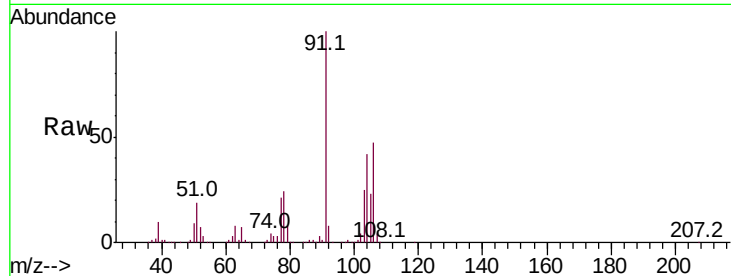




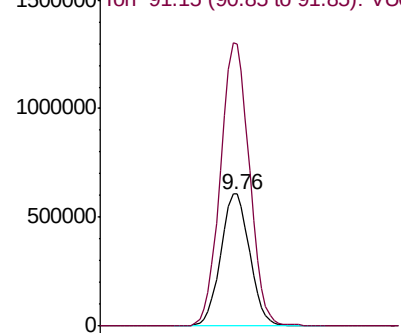
#54
o-Xylene
Concen: 23.534 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

Instrument :
MSVOA_U
ClientSampled :

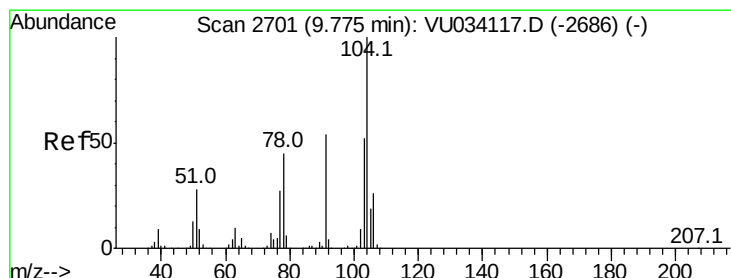
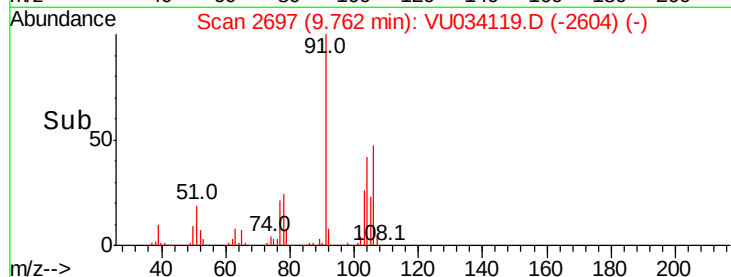
Tot Ion:106 Resp: 952473
Ion Ratio Lower Upper
106 100
91 213.9 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V
1500000 Ion 91.15 (90.85 to 91.85): VU0

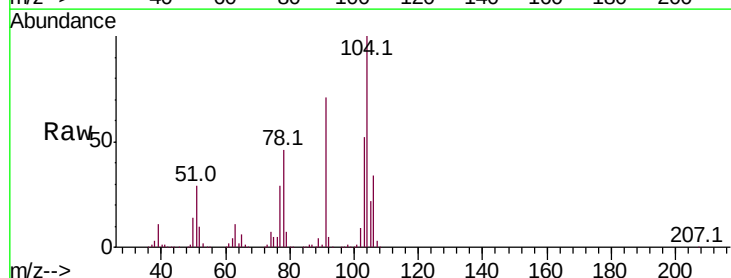


Time-->

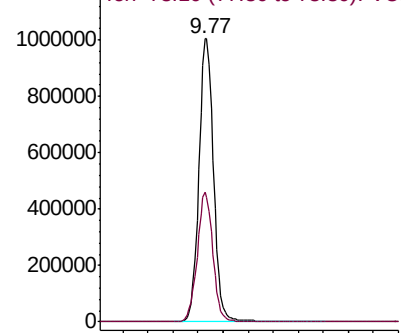


#55
Styrene
Concen: 23.605 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034119.D
Acq: 31 Aug 2019 13:05

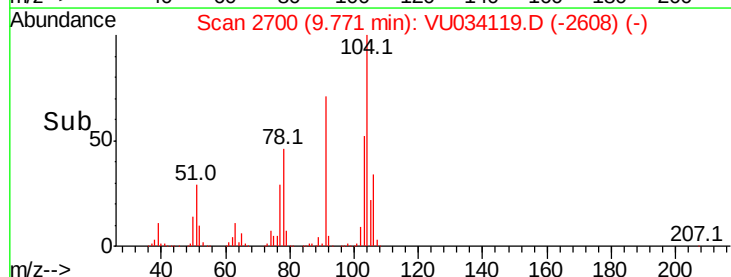
Tgt Ion:104 Resp: 1630542
Ion Ratio Lower Upper
104 100
78 46.0 31.6 58.6

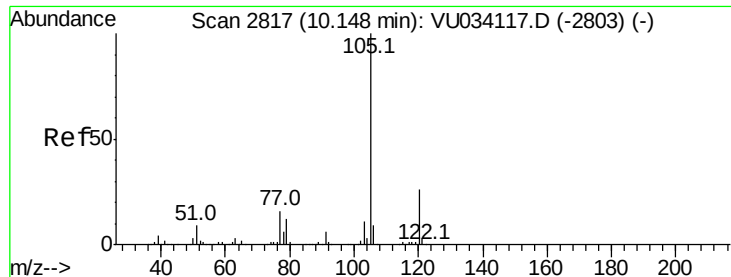


Abundance Ion 104.10 (103.80 to 104.80): V
1200000 Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 23.698 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

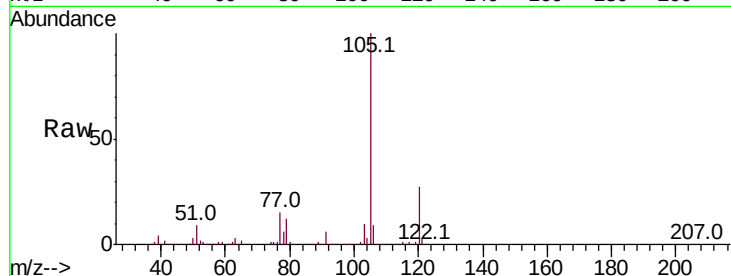
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:105 Resp: 2549766

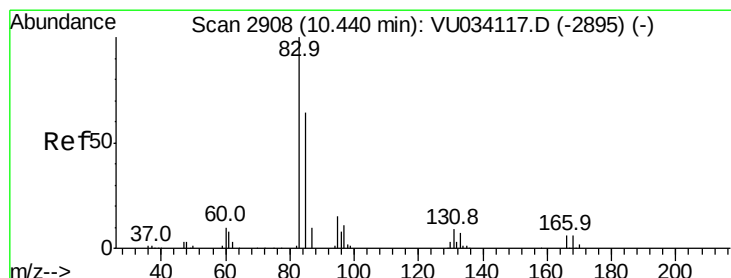
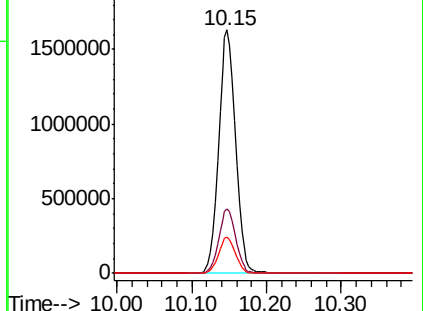
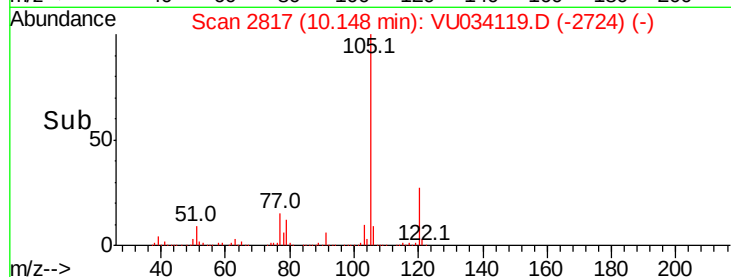
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.0	31.4
77	14.9	12.2	18.4



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): VU0



#58

1,1,2,2-Tetrachloroethane

Concen: 17.588 ug/L

RT: 10.44 min Scan# 2908

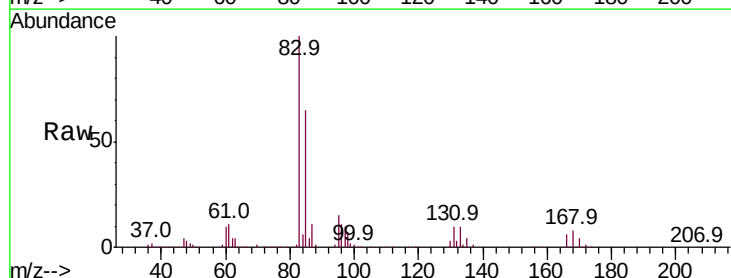
Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Tgt Ion: 83 Resp: 446925

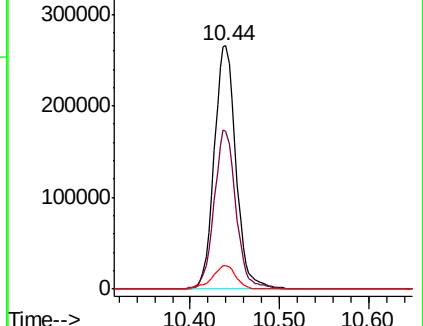
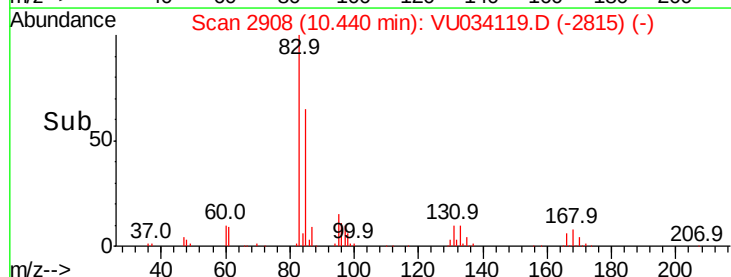
Ion	Ratio	Lower	Upper
83	100		
85	65.1	45.2	84.0
131	9.9	7.9	11.9

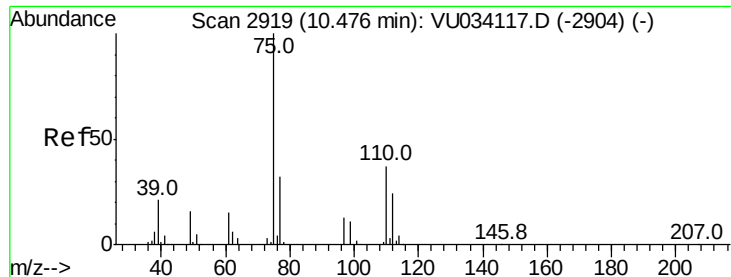


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 17.343 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

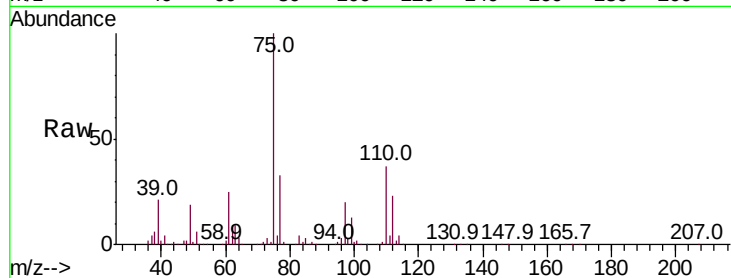
ClientSampleId :

Tot Ion: 75 Resp: 314295

Ion Ratio Lower Upper

75 100

77 32.6 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

200000

150000

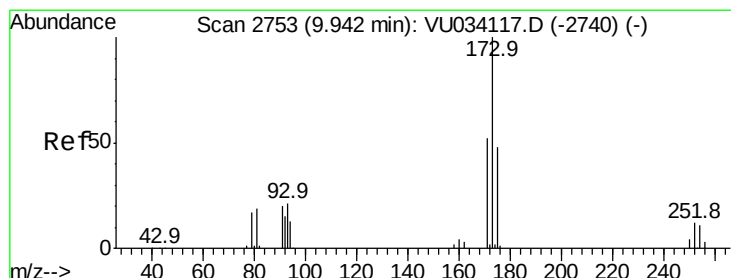
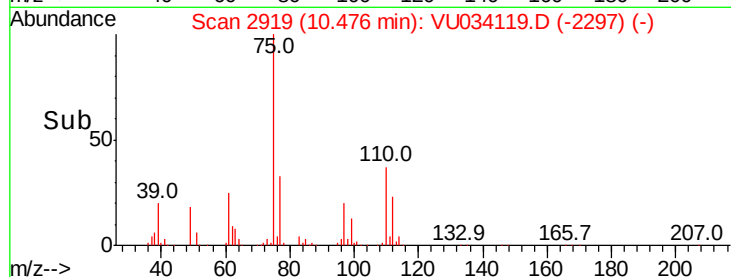
100000

50000

0

10.40 10.50 10.60

Time-->



#61

Bromoform

Concen: 17.657 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

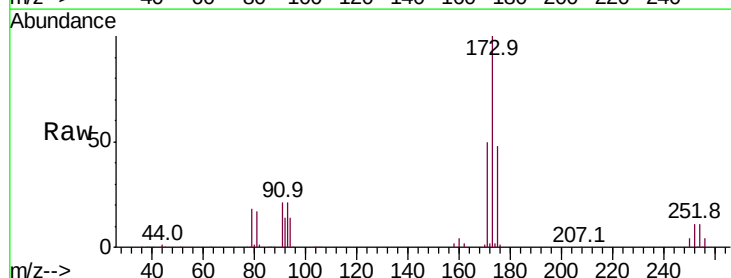
Tgt Ion: 173 Resp: 246544

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 11.0 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

200000

150000

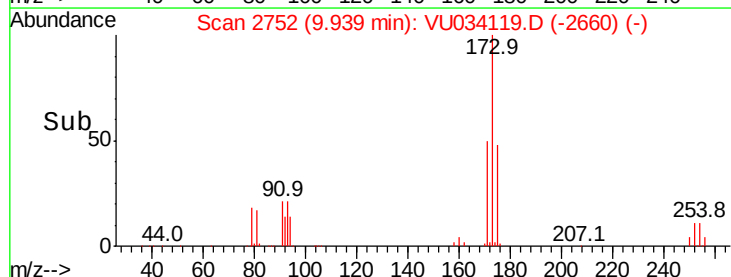
100000

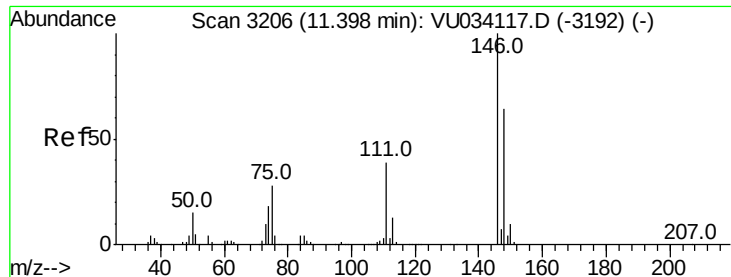
50000

0

9.90 10.00

Time-->





#62

1,3-Dichlorobenzene

Concen: 20.548 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

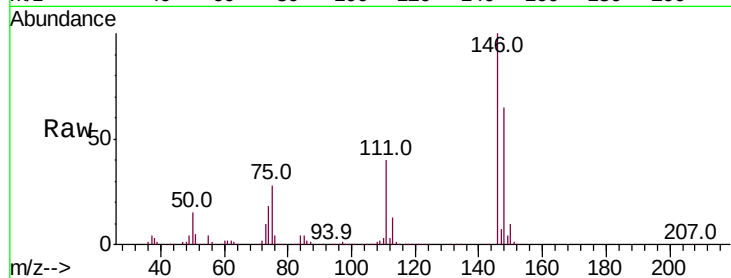
Tot Ion:146 Resp: 1220563

Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.4

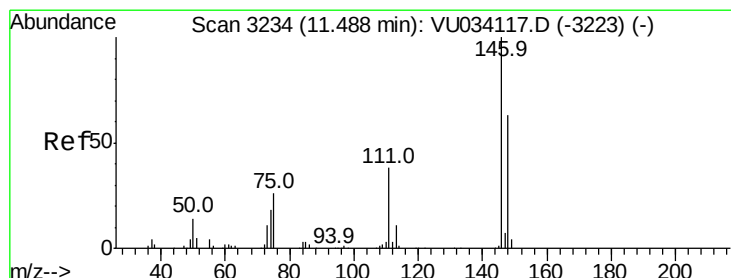
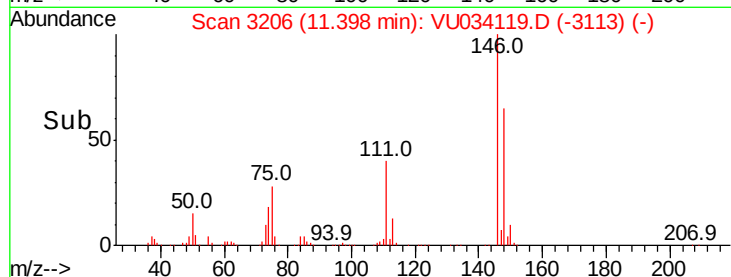
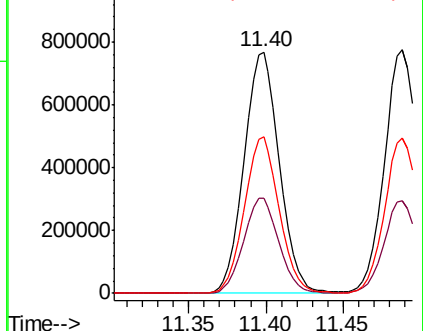
148 64.8 44.9 83.5



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: 19.662 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

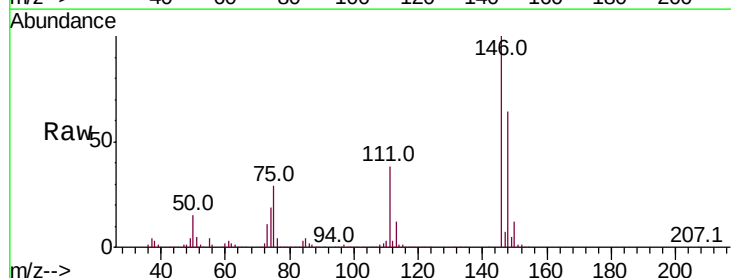
Tgt Ion:146 Resp: 1208817

Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.3

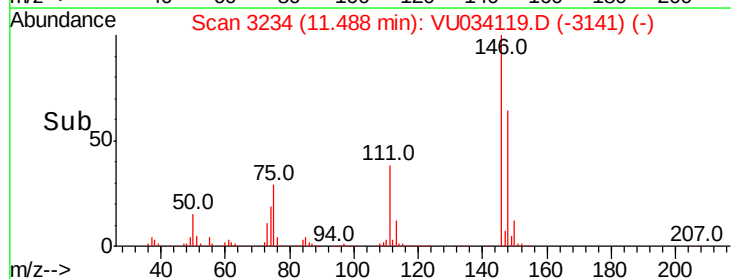
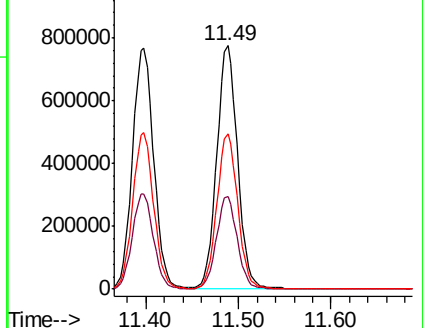
148 63.7 44.0 81.8

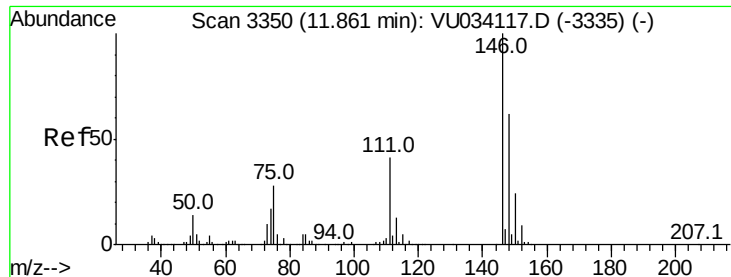


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 19.258 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampled :

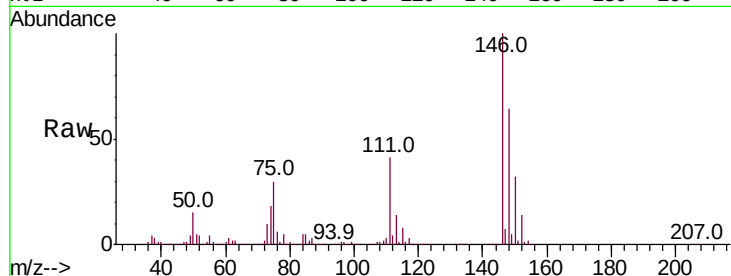
Tot Ion:146 Resp: 1094766

Ion Ratio Lower Upper

146 100

111 41.1 32.8 49.2

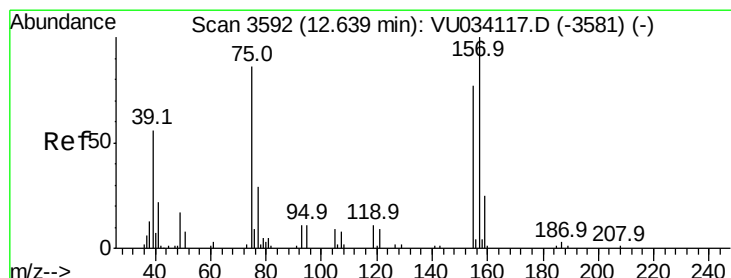
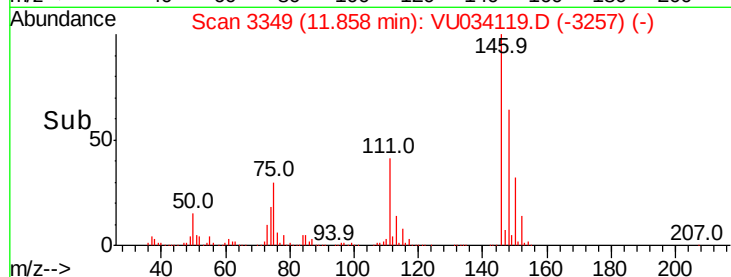
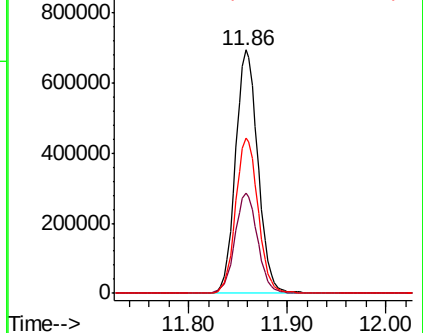
148 64.0 49.4 74.0



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: 16.083 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

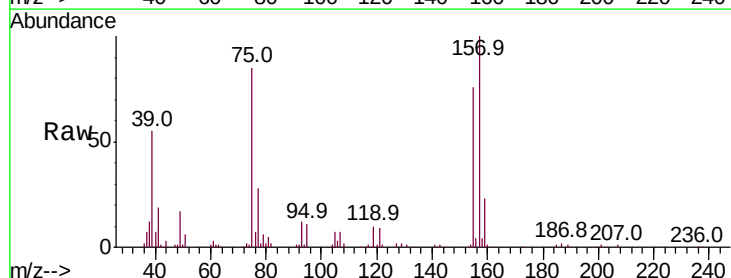
Tgt Ion: 75 Resp: 68200

Ion Ratio Lower Upper

75 100

155 89.1 71.4 107.0

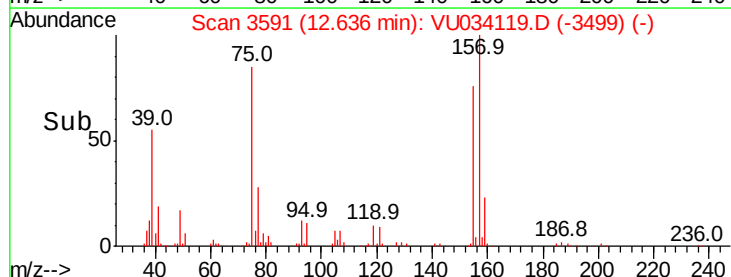
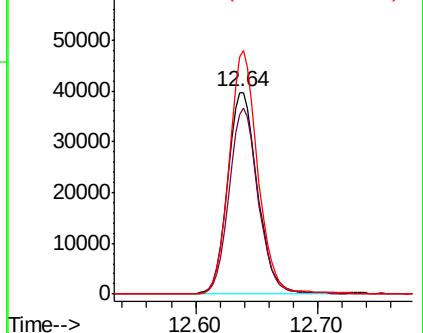
157 117.2 92.6 138.8

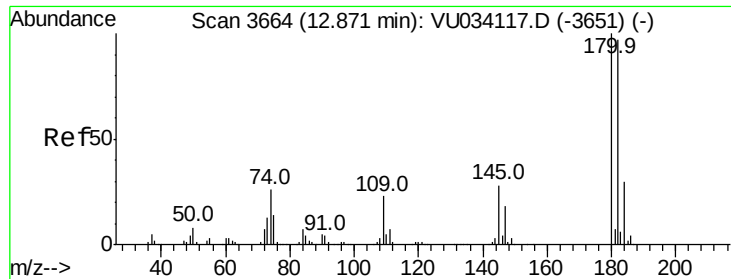


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

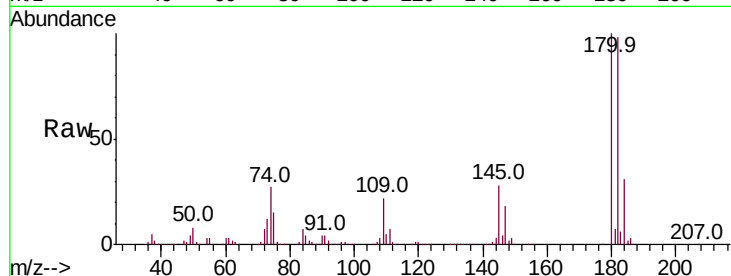




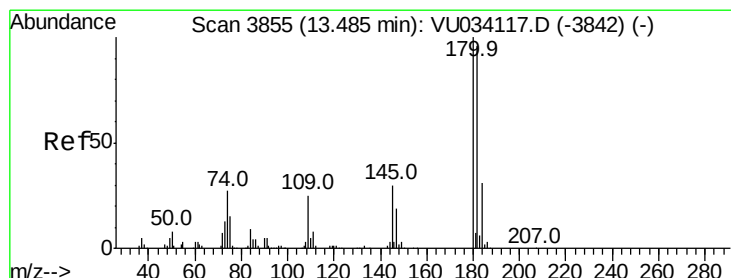
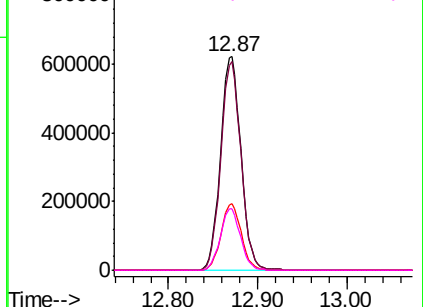
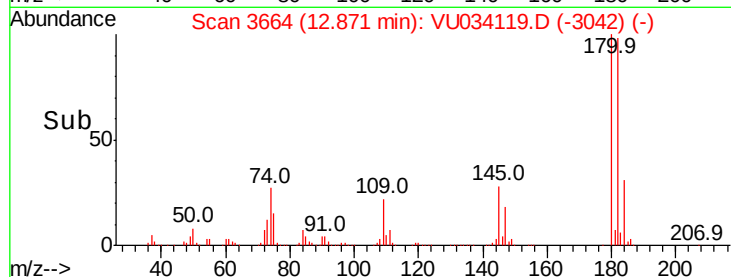
#67
 1,3,5-Trichlorobenzene
 Concen: 21.151 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	180	Resp:	986312
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	30.9	24.3	36.5
145	28.5	22.6	33.8

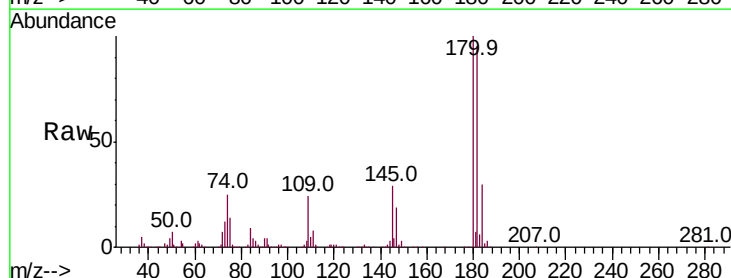


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

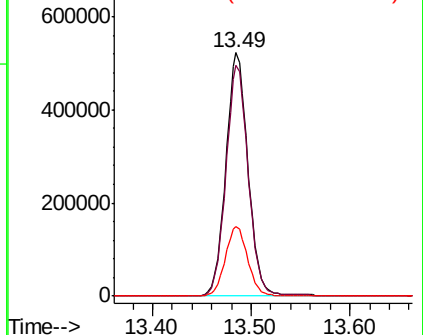
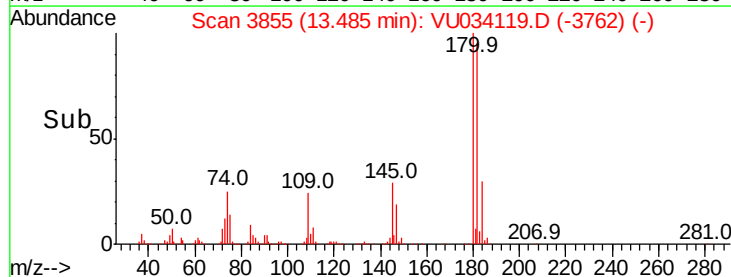


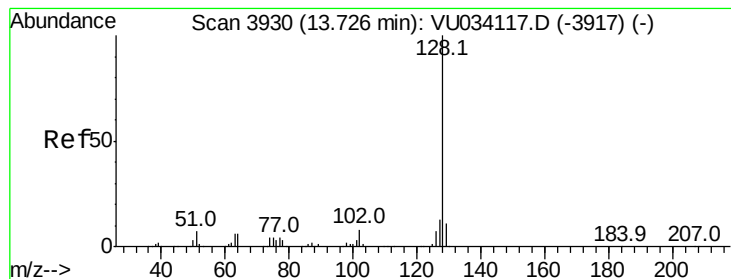
#68
 1,2,4-trichlorobenzene
 Concen: 23.662 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034119.D
 Acq: 31 Aug 2019 13:05

Tgt Ion:	180	Resp:	827351
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.1	112.7
145	28.8	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: 24.112 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

Instrument :

MSVOA_U

ClientSampleId :

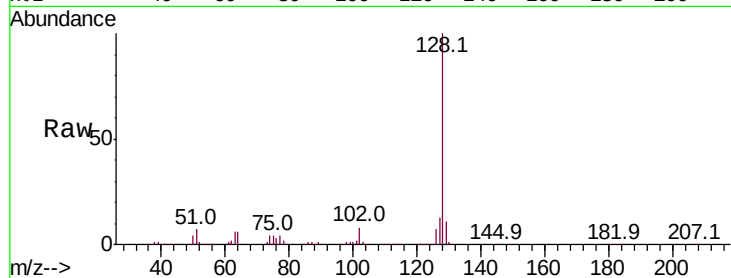
Tot Ion:128 Resp: 1303446

Ion Ratio Lower Upper

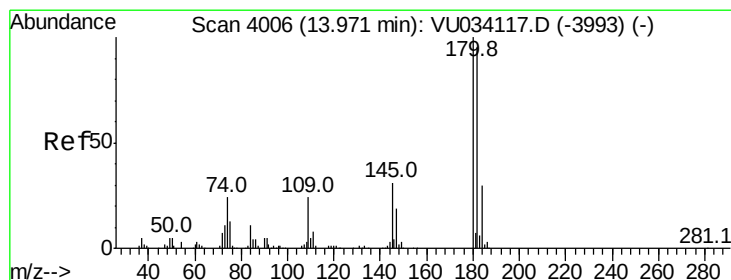
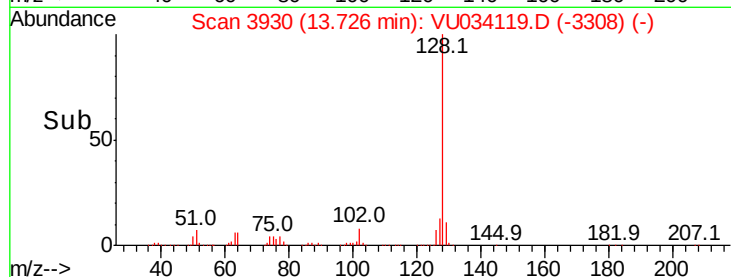
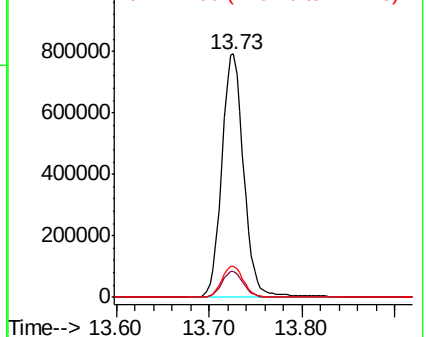
128 100

129 10.7 8.6 13.0

127 12.8 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: 21.748 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU034119.D

Acq: 31 Aug 2019 13:05

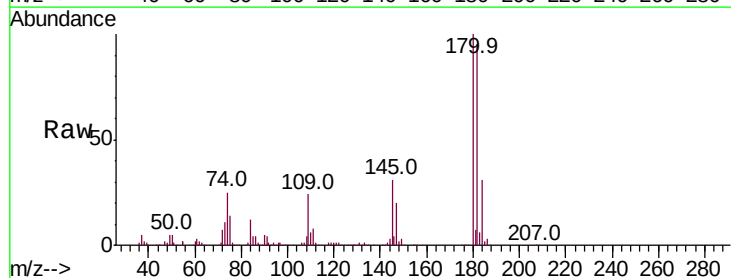
Tgt Ion:180 Resp: 725460

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 30.6 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

