

Data File : VU034914.D
Acq On : 03 Oct 2019 12:46
Operator : JC/SP
Sample : VSTD10036
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

Quant Time: Oct 04 05:12:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 05:07:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	426626	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	417335	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	205225	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	346420	105.57	ug/L	0.00
7) Chloroethane-d5	1.67	69	259948	94.96	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	604327	103.50	ug/L	0.00
21) 2-Butanone-d5	4.14	46	551492	254.17	ug/L	0.00
24) Chloroform-d	4.62	84	577128	104.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	378664	106.23	ug/L	0.00
32) Benzene-d6	5.32	84	1185018	110.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	391742	113.67	ug/L	0.00
41) Toluene-d8	7.54	98	1131725	112.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	194348	116.86	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	410241	260.48	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	565930	110.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	420141	110.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	361189	86.670	ug/L	99
3) Chloromethane	1.32	50	401448	95.387	ug/L	99
5) Vinyl chloride	1.40	62	389082	82.815	ug/L	100
6) Bromomethane	1.61	94	224585	76.738	ug/L	97
8) Chloroethane	1.69	64	223117	79.456	ug/L	99
9) Trichlorofluoromethane	1.87	101	446992	73.953	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	253399	88.749	ug/L	100
12) 1,1-Dichloroethene	2.27	96	248771	88.927	ug/L	92
13) Acetone	2.31	43	496237	190.945	ug/L	99
14) Carbon disulfide	2.46	76	828474	95.127	ug/L	99
15) Methyl Acetate	2.60	43	378230	108.953	ug/L	100
16) Methylene chloride	2.68	84	311850	95.432	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	279771	94.832	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	940360	101.766	ug/L	100
19) 1,1-Dichloroethane	3.42	63	558799	97.654	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	318834	95.853	ug/L	97
22) 2-Butanone	4.23	43	617626	211.902	ug/L	98
23) Bromochloromethane	4.52	128	158029	93.096	ug/L	98
25) Chloroform	4.65	83	561253	92.806	ug/L	98
27) 1,2-Dichloroethane	5.38	62	453216	96.390	ug/L	100
29) Cyclohexane	4.97	56	510407	107.880	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	458731	93.129	ug/L	99
31) Carbon tetrachloride	5.11	117	402667	93.713	ug/L	98
33) Benzene	5.36	78	1238967	99.336	ug/L	100
34) Trichloroethene	6.16	95	308695	95.156	ug/L	99
35) Methylcyclohexane	6.39	83	500283	100.217	ug/L	99
37) 1,2-Dichloropropane	6.41	63	339479	100.074	ug/L	100
38) Bromodichloromethane	6.73	83	419759	97.403	ug/L	98
39) cis-1,3-Dichloropropene	7.24	75	549759	104.903	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	1097693	233.738	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	1345211	100.557	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	492352	105.695	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	303715	95.970	ug/L	99
46) Tetrachloroethene	8.21	164	246580	98.173	ug/L	98
48) 2-Hexanone	8.34	43	883712	232.121	ug/L	98
49) Dibromochloromethane	8.45	129	343032	97.511	ug/L	99
50) 1,2-Dibromoethane	8.56	107	337444	97.960	ug/L	97
51) Chlorobenzene	9.10	112	852977	98.151	ug/L	99
52) Ethylbenzene	9.23	91	1502714	104.620	ug/L	100
53) m,p-Xylene	9.35	106	558972	103.177	ug/L	97
54) o-xylene	9.76	106	553094	102.961	ug/L	99
55) Styrene	9.77	104	947714	104.453	ug/L	99
56) Isopropylbenzene	10.14	105	1451096	104.656	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	563199	100.796	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	447077	101.480	ug/L	100
61) Bromoform	9.94	173	259647	101.463	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	650517	100.887	ug/L	99
63) 1,4-Dichlorobenzene	11.48	146	645798	96.761	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	644076	97.872	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	124104	99.238	ug/L	99
67) 1,3,5-Trichlorobenzene	12.86	180	458674	99.662	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	388848	98.906	ug/L	99
69) Naphthalene	13.72	128	1247774	100.494	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	388185	91.220	ug/L	99

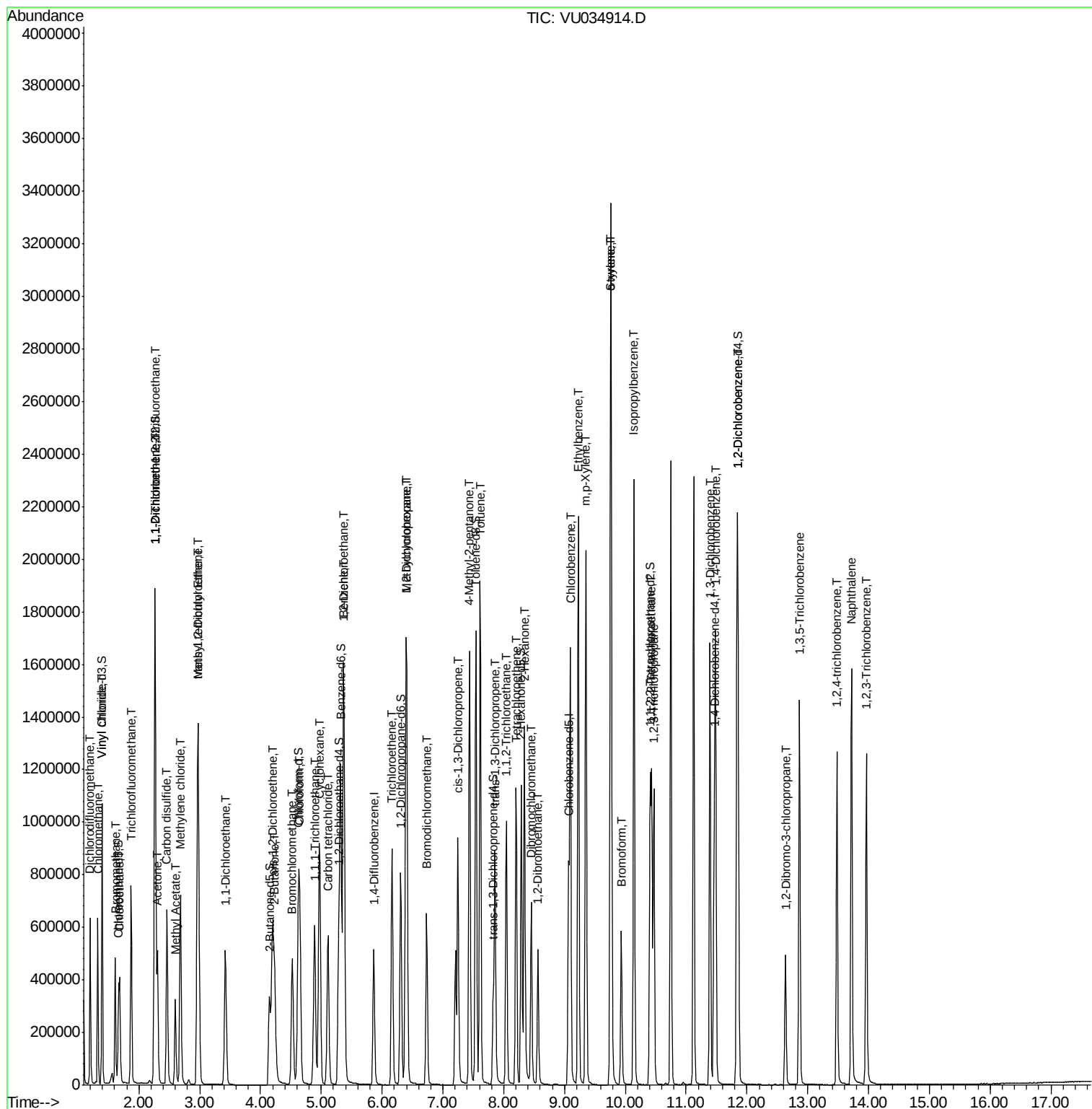
(#) = qualifier out of range (m) = manual integration (+) = signals summed

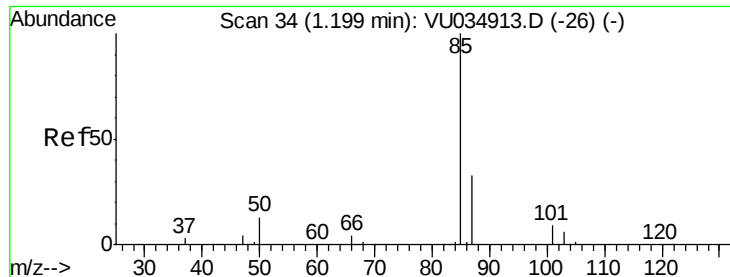
Data File : VU034914.D

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#2

Dichlorodifluoromethane

Concen: 86.670 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

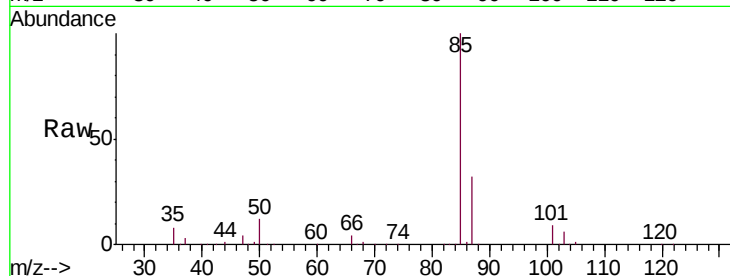
VSTD10036

Tgt Ion: 85 Resp: 361189

Ion Ratio Lower Upper

85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034913.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034913.D (-26) (-)

1.20

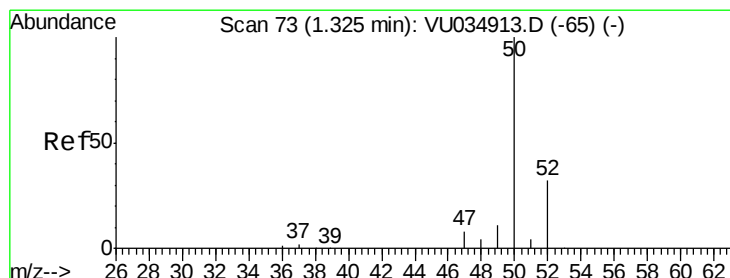
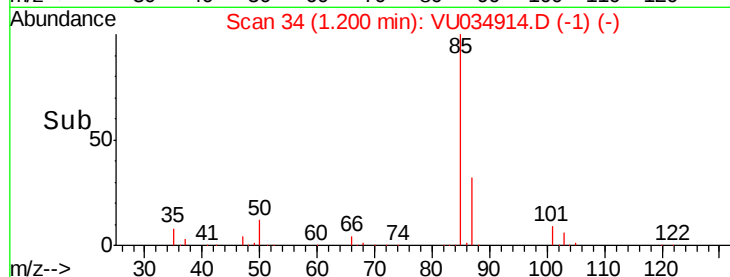
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 95.387 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034914.D

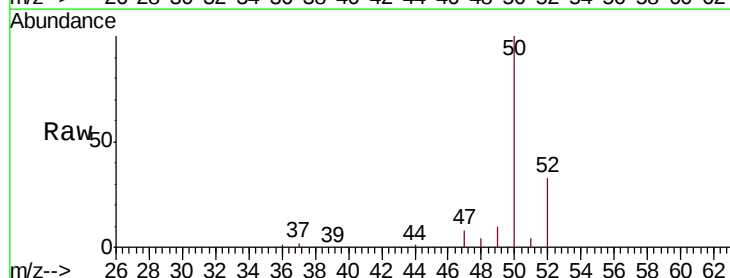
Acq: 03 Oct 2019 12:46

Tgt Ion: 50 Resp: 401448

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034913.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034913.D (-65) (-)

1.32

400000

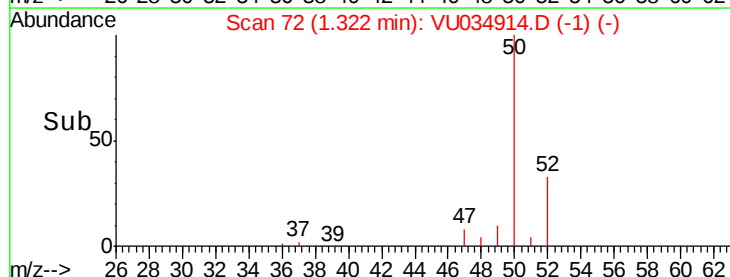
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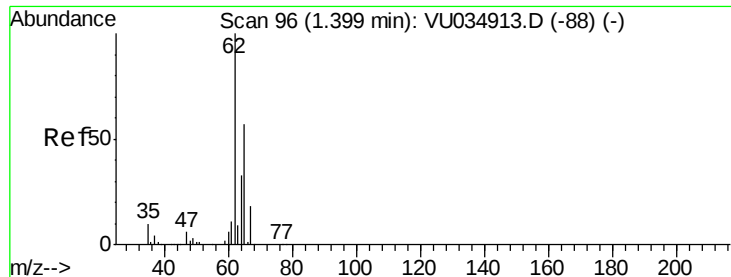
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 82.815 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

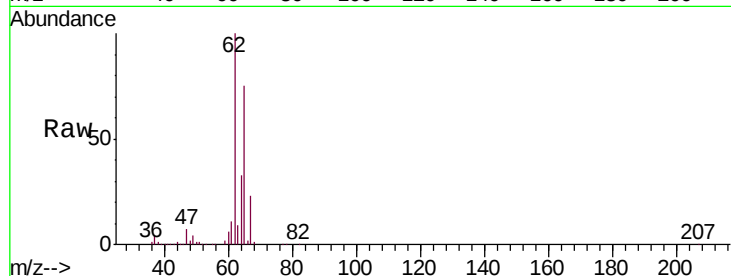
VSTD10036

Tgt Ion: 62 Resp: 389082

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034913.D (-88) (-)

1.40

400000

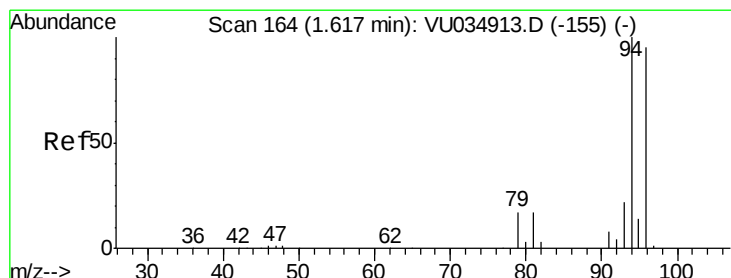
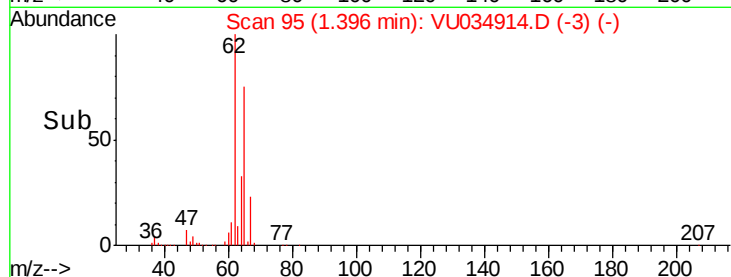
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 76.738 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU034914.D

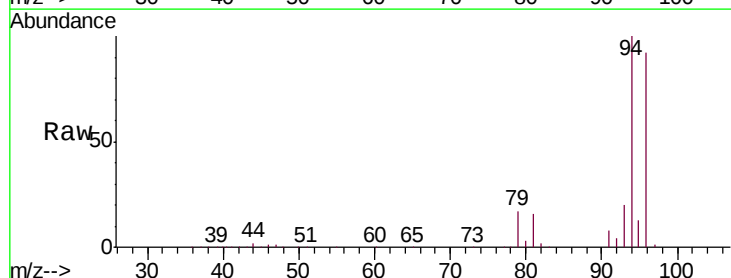
Acq: 03 Oct 2019 12:46

Tgt Ion: 94 Resp: 224585

Ion Ratio Lower Upper

94 100

96 91.7 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034913.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034913.D (-155) (-)

1.61

200000

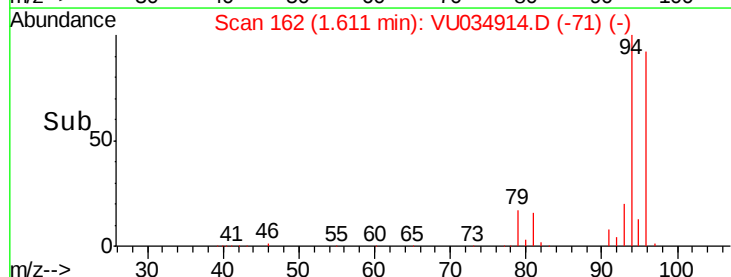
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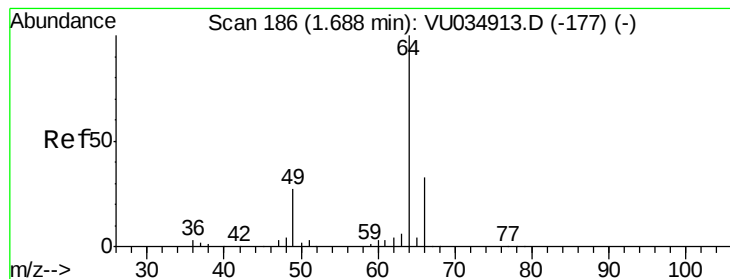
100000

50000

0

Time-->





#8

Chloroethane

Concen: 79.456 ug/L

RT: 1.69 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

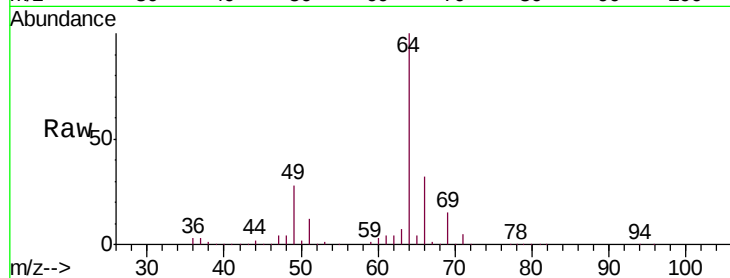
VSTD10036

Tgt Ion: 64 Resp: 223117

Ion Ratio Lower Upper

64 100

66 32.0 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034914.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034914.D (-177) (-)

1.69

150000

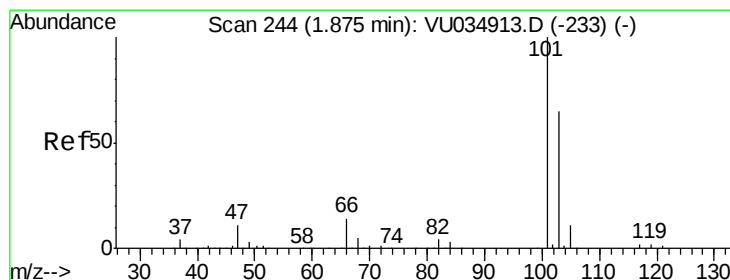
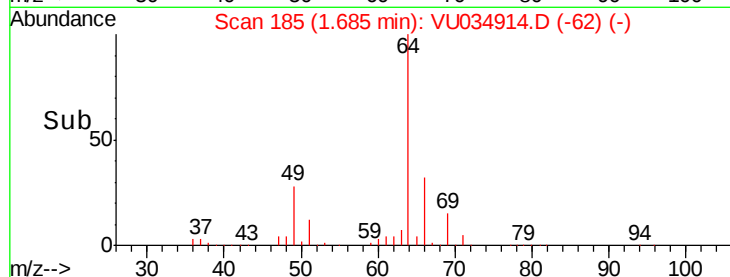
100000

50000

0

Time-->

1.60 1.65 1.70 1.75 1.80



#9

Trichlorofluoromethane

Concen: 73.953 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU034914.D

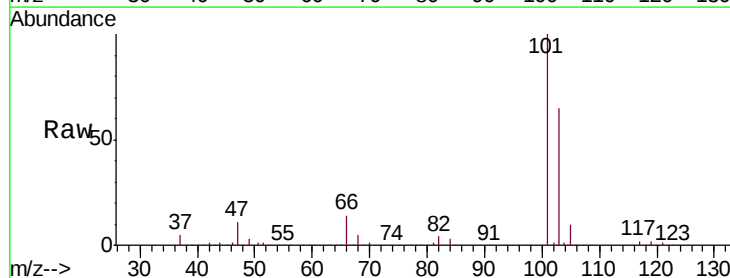
Acq: 03 Oct 2019 12:46

Tgt Ion: 101 Resp: 446992

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034914.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034914.D (-233) (-)

1.87

300000

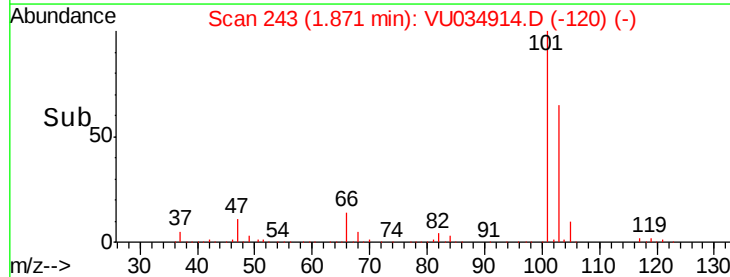
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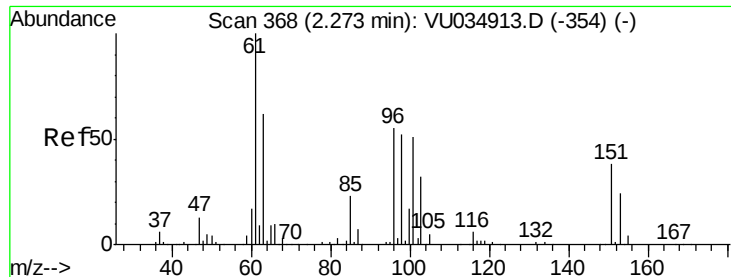
100000

0

Time-->

1.80 1.85 1.90 1.95 2.00





#10

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

Concen: 88.749 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

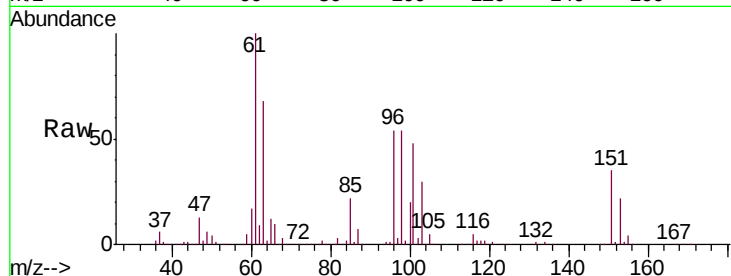
Tgt Ion: 101 Resp: 253399

Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

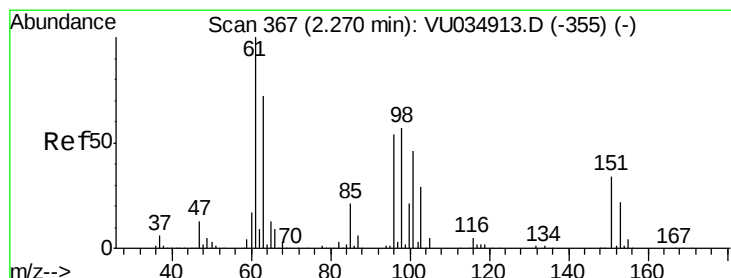
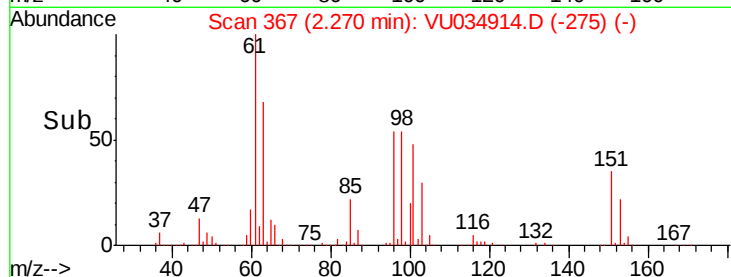
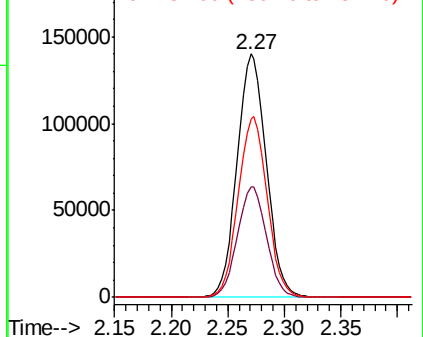
151 73.3 59.0 88.4



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: 88.927 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

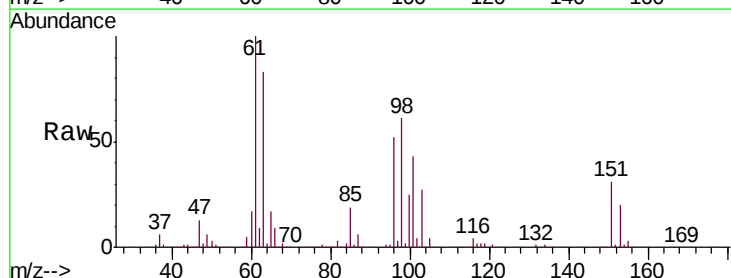
Tgt Ion: 96 Resp: 248771

Ion Ratio Lower Upper

96 100

61 191.4 131.2 243.6

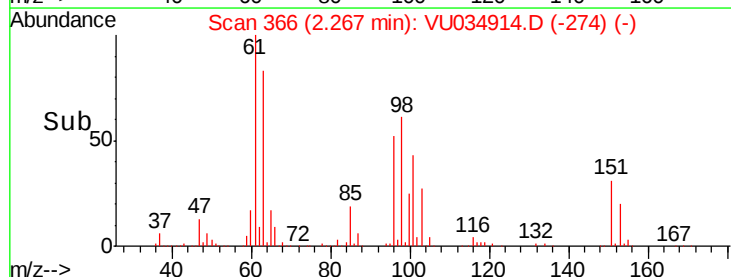
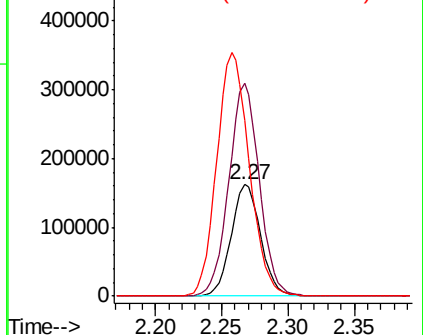
63 158.4 97.6 181.2

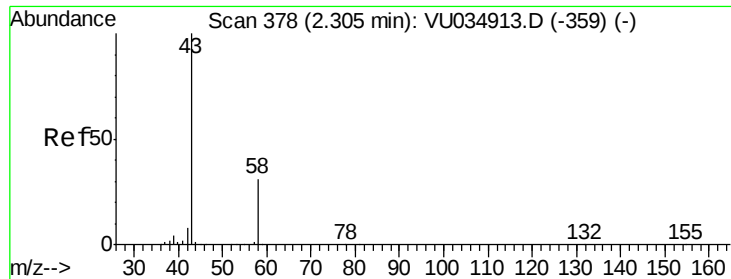


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 190.945 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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ClientSampleId :

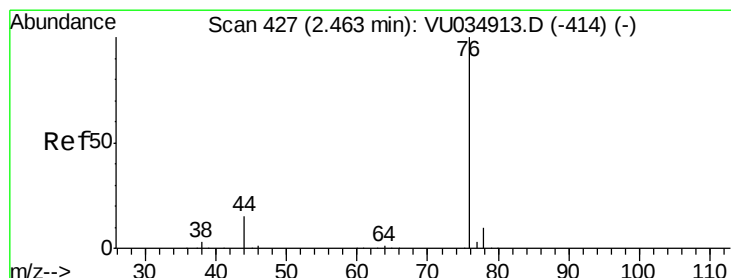
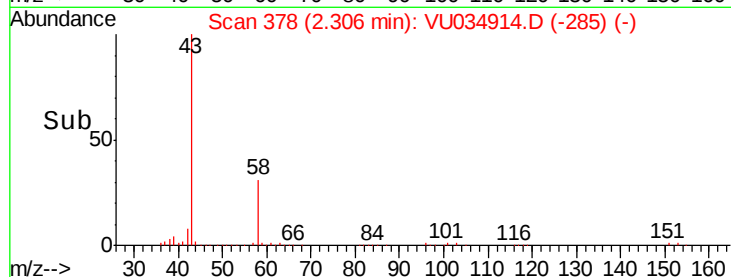
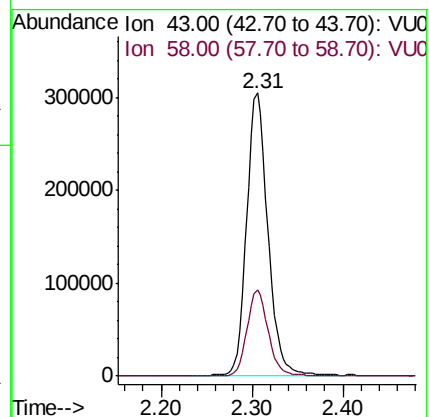
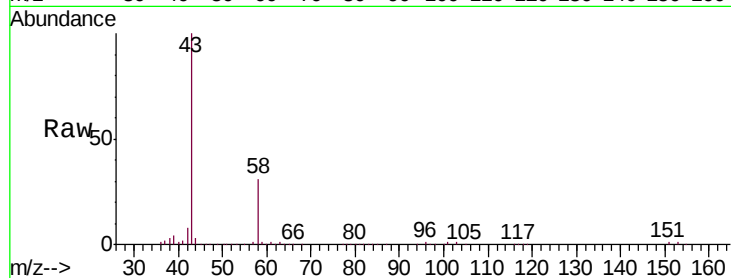
VSTD10036

Tgt Ion: 43 Resp: 496237

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.4



#14

Carbon disulfide

Concen: 95.127 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU034914.D

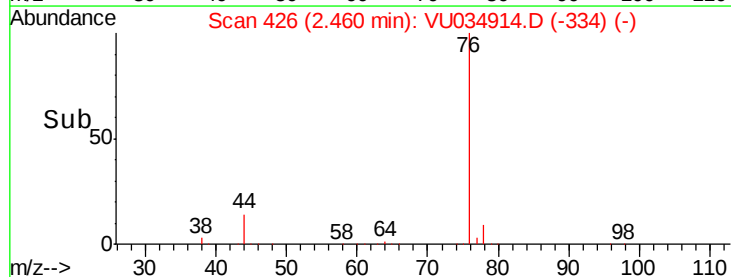
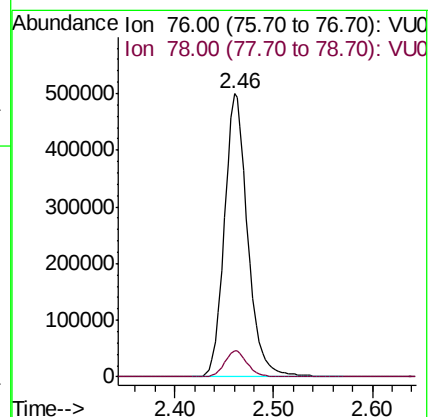
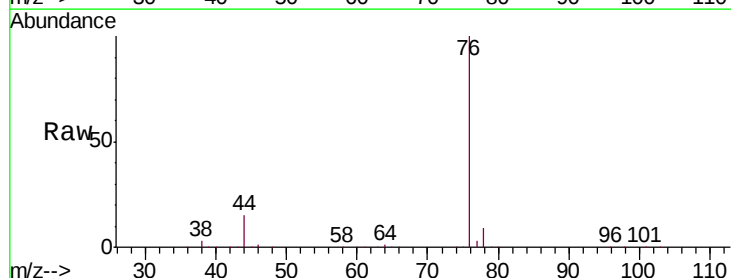
Acq: 03 Oct 2019 12:46

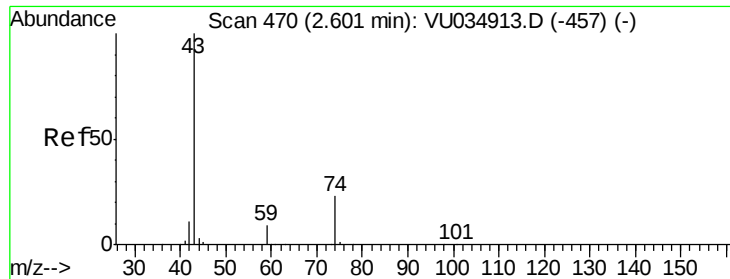
Tgt Ion: 76 Resp: 828474

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

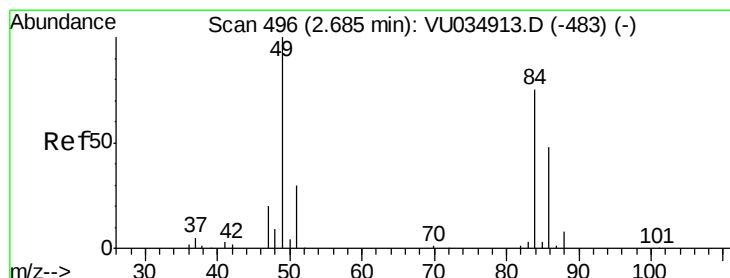
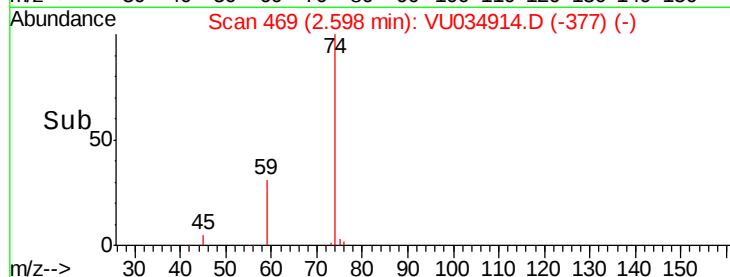
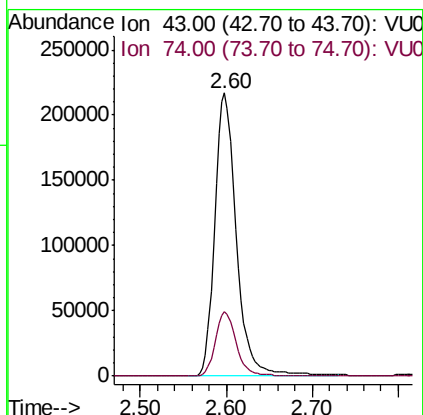
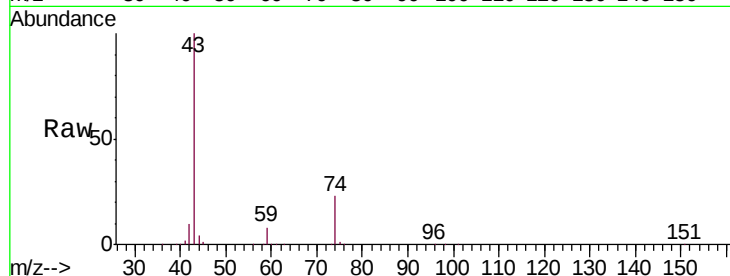




#15
Methyl Acetate
Concen: 108.953 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

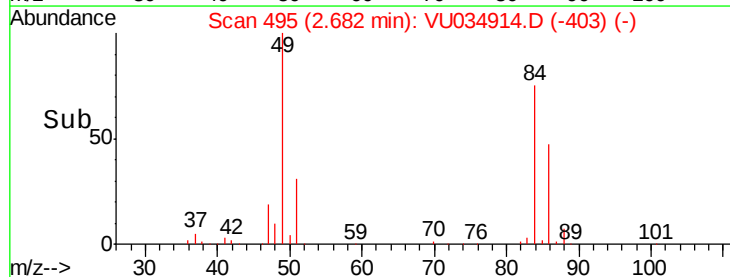
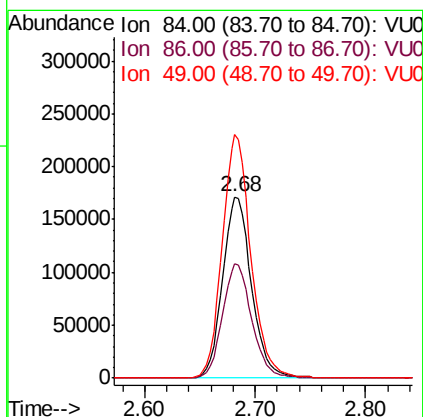
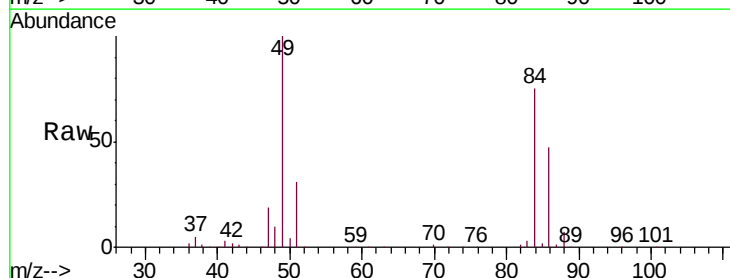
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

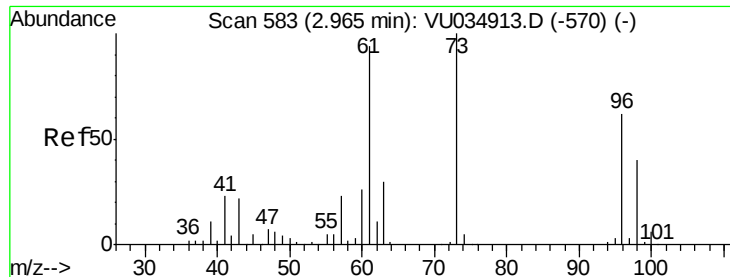
Tgt Ion: 43 Resp: 378230
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6



#16
Methylene chloride
Concen: 95.432 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion: 84 Resp: 311850
Ion Ratio Lower Upper
84 100
86 62.7 44.9 83.5
49 134.1 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 94.832 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

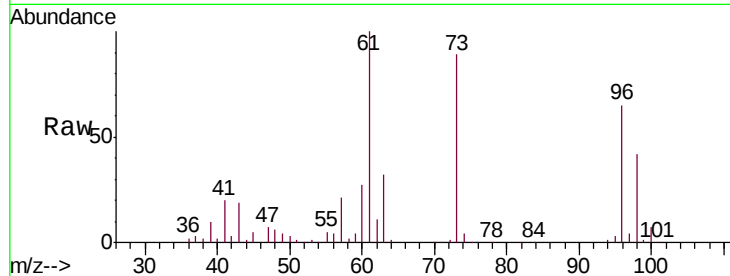
Tgt Ion: 96 Resp: 279771

Ion Ratio Lower Upper

96 100

61 152.8 107.0 198.6

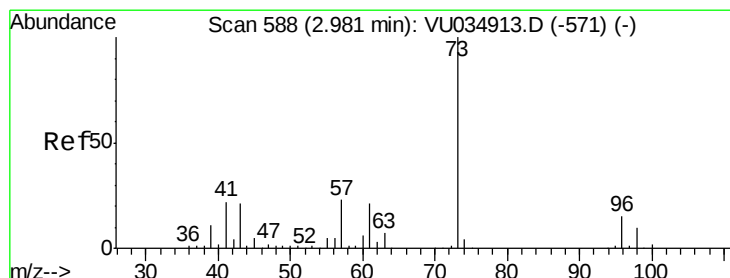
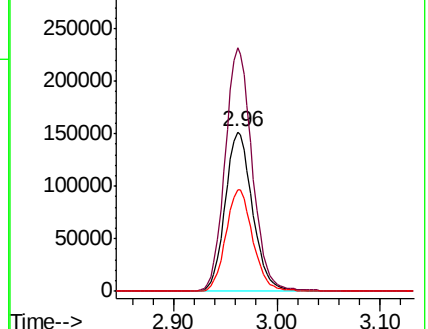
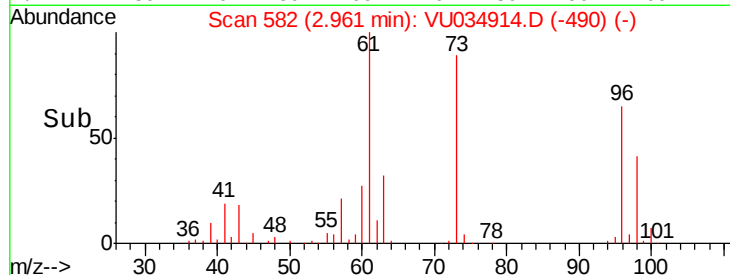
98 63.4 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU034914.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034914.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034914.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 101.766 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

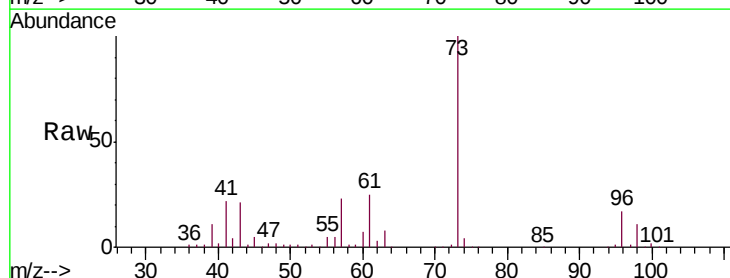
Tgt Ion: 73 Resp: 940360

Ion Ratio Lower Upper

73 100

43 21.0 16.8 25.2

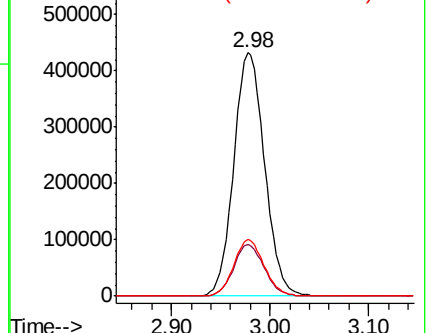
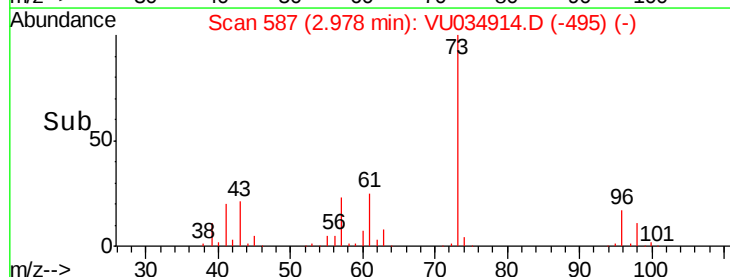
57 22.8 18.2 27.2

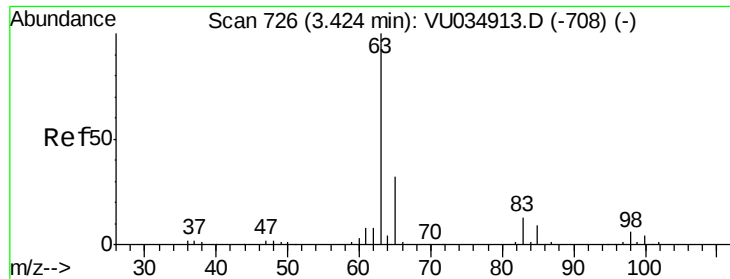


Abundance Ion 73.00 (72.70 to 73.70): VU034914.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034914.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034914.D (-495) (-)

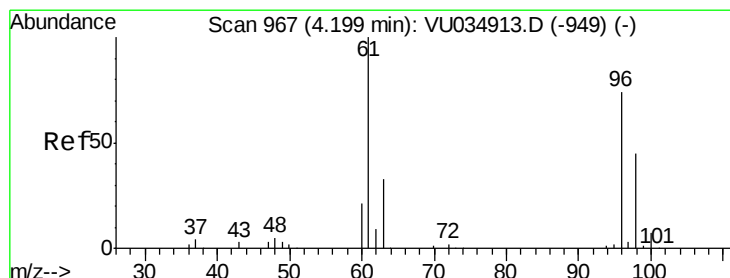
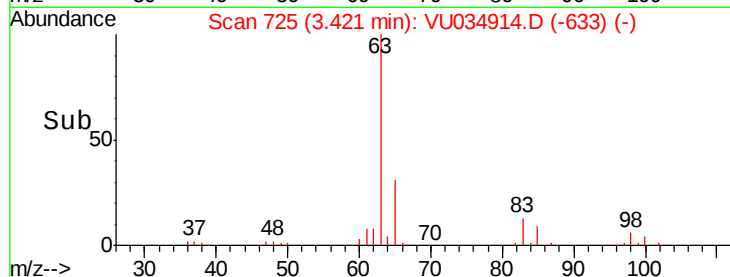
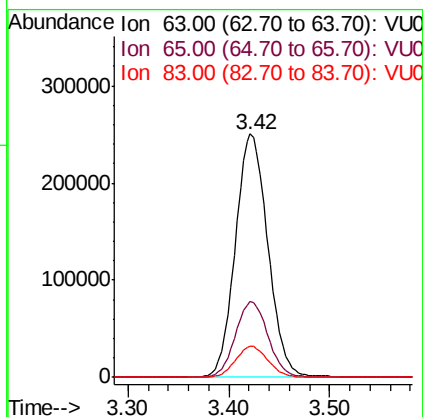
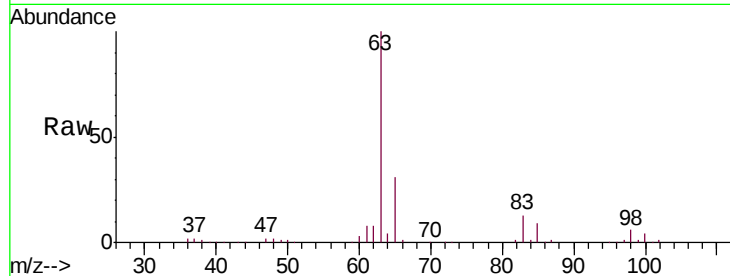




#19
 1,1-Dichloroethane
 Concen: 97.654 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

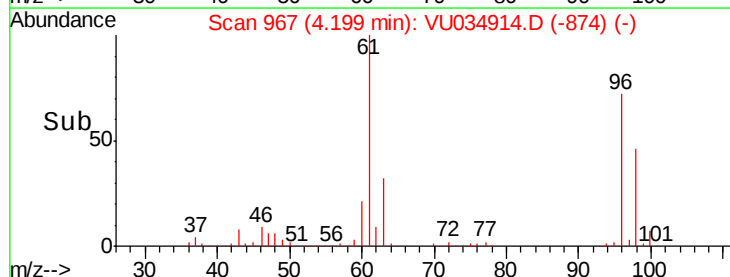
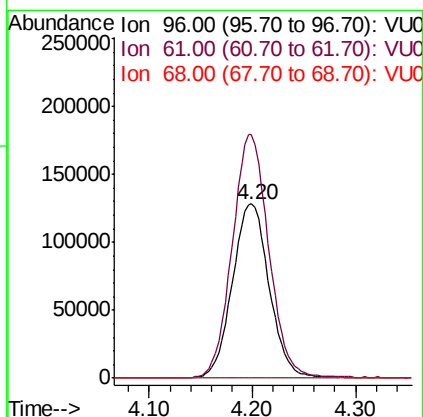
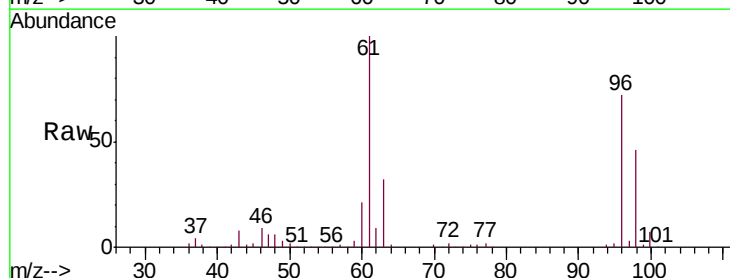
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

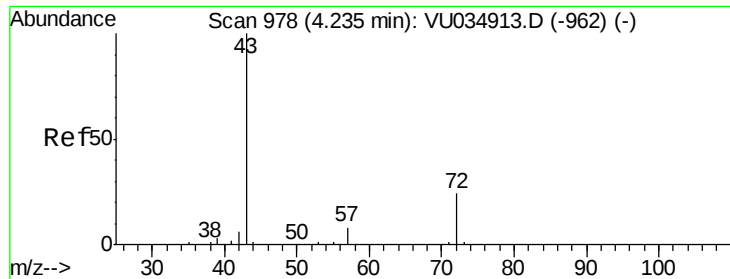
Tgt Ion: 63 Resp: 558799
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.4 41.6
 83 12.9 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 95.853 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion: 96 Resp: 318834
 Ion Ratio Lower Upper
 96 100
 61 139.6 95.2 176.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 211.902 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampled :

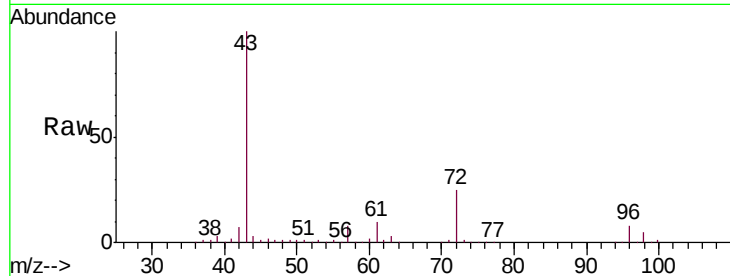
VSTD10036

Tgt Ion: 43 Resp: 617626

Ion Ratio Lower Upper

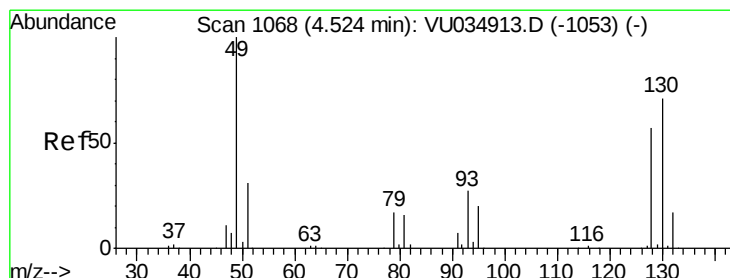
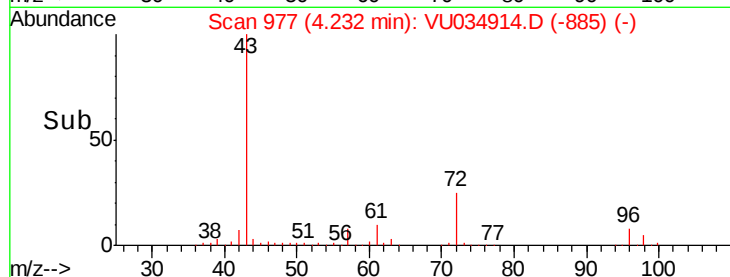
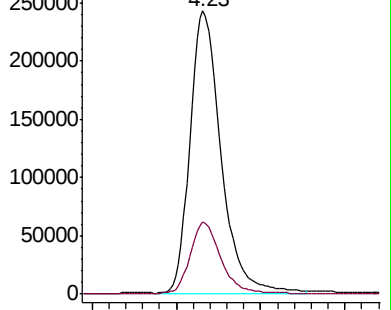
43 100

72 25.6 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034914.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034914.D (-962) (-)



#23

Bromochloromethane

Concen: 93.096 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Tgt Ion: 128 Resp: 158029

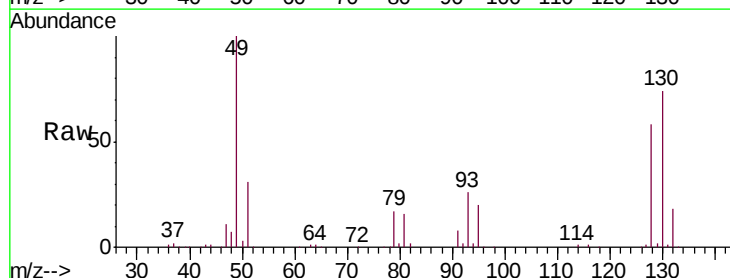
Ion Ratio Lower Upper

128 100

49 173.3 123.5 229.3

130 127.4 87.0 161.6

51 54.4 43.7 65.5

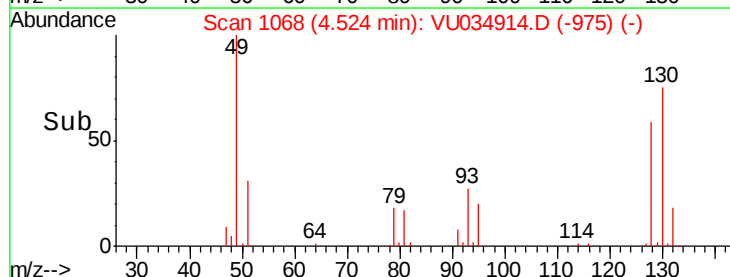
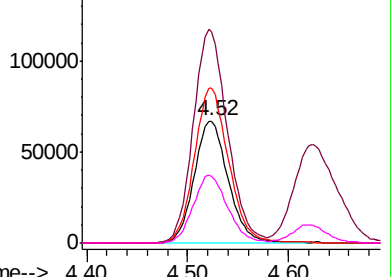


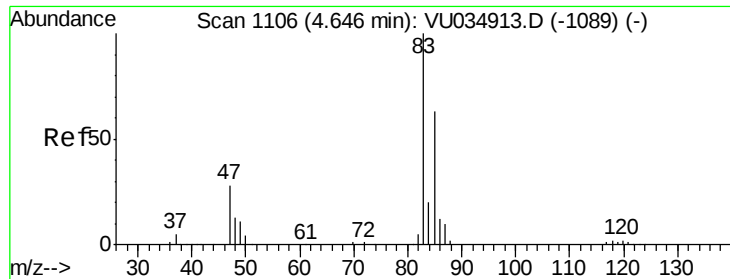
Abundance Ion 128.00 (127.70 to 128.70): VU034914.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034914.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034914.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034914.D (-1053) (-)

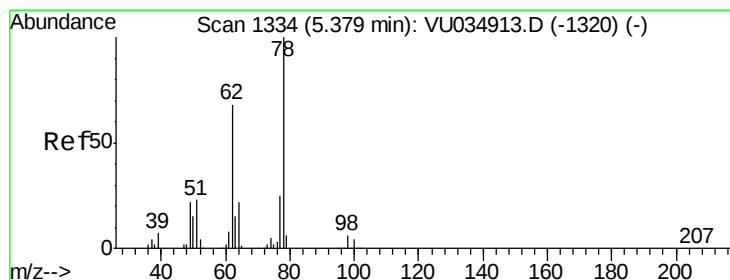
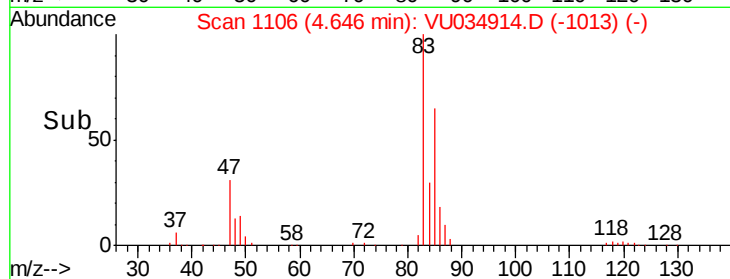
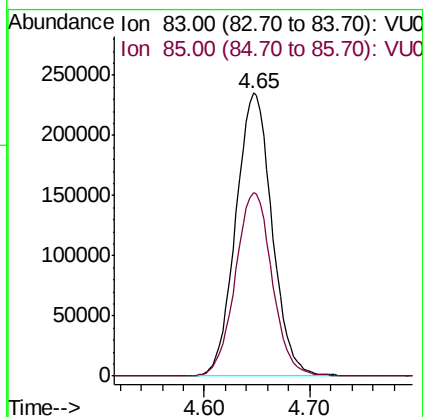
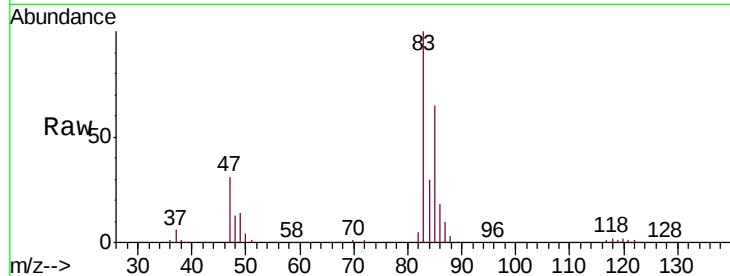




#25
Chloroform
Concen: 92.806 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

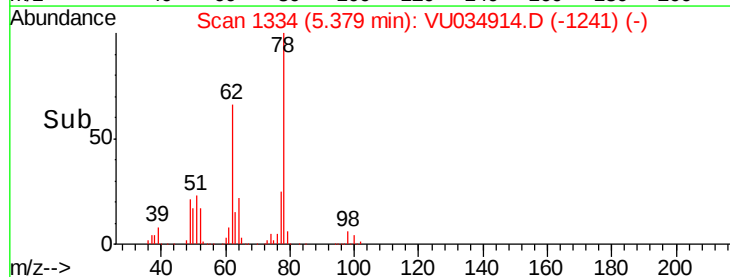
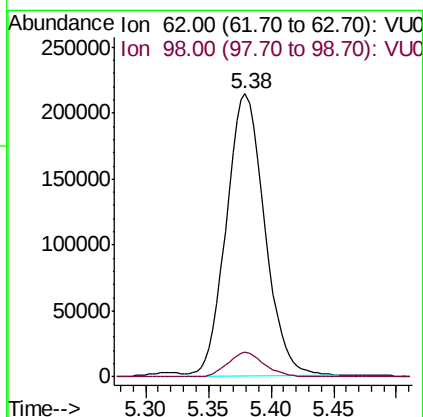
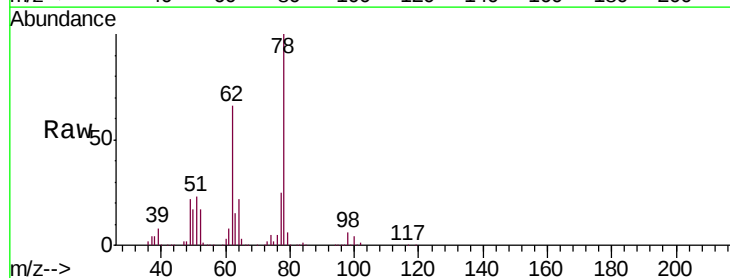
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

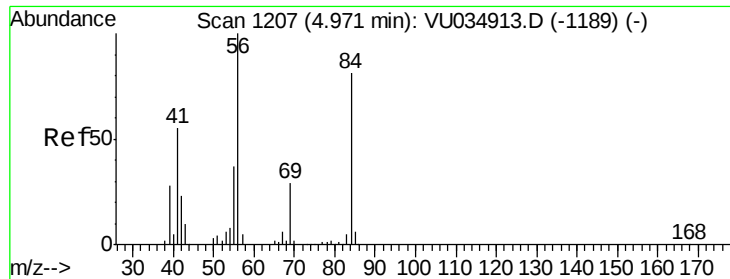
Tgt Ion: 83 Resp: 561253
Ion Ratio Lower Upper
83 100
85 65.0 44.2 82.2



#27
1,2-Dichloroethane
Concen: 96.390 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion: 62 Resp: 453216
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

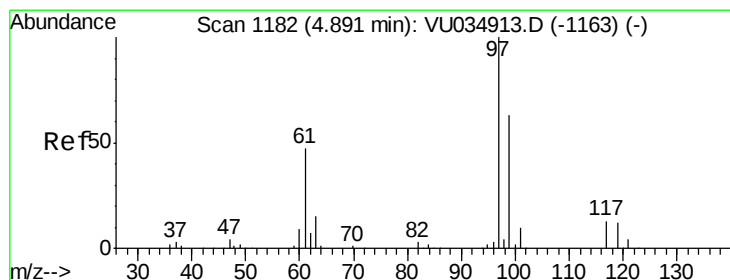
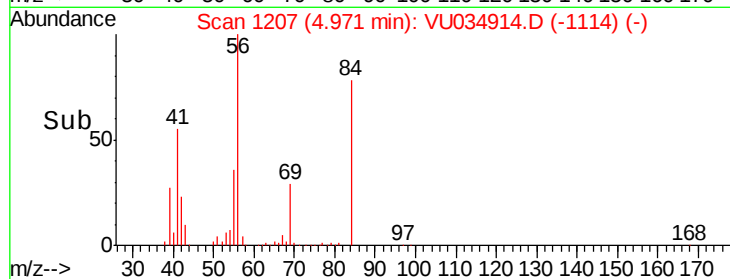
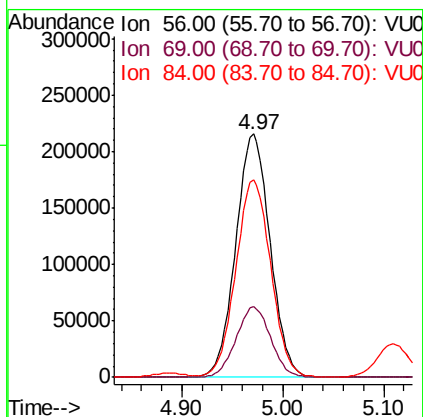
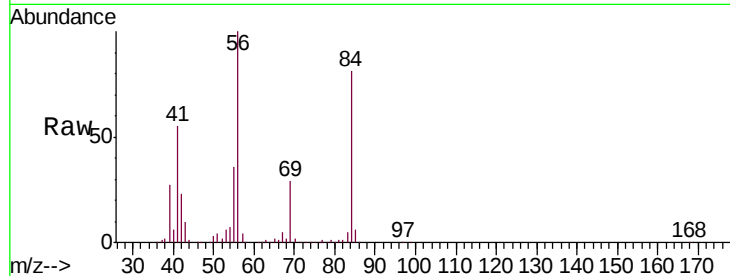




#29
Cyclohexane
Concen: 107.880 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

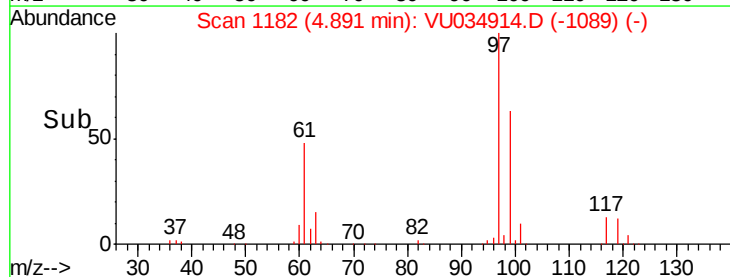
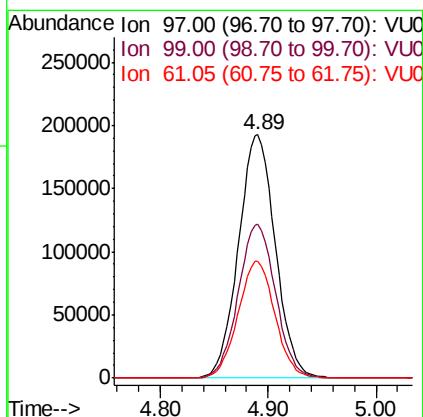
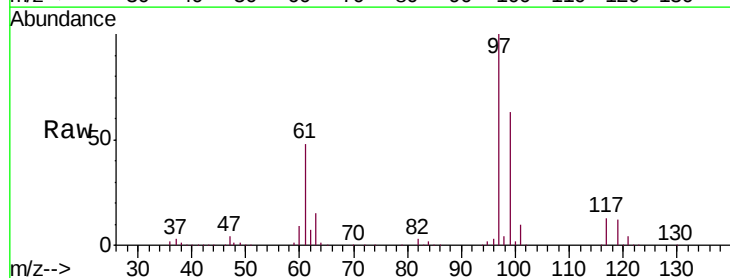
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

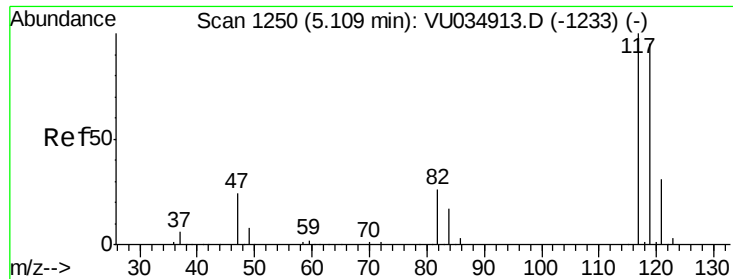
Tgt Ion: 56 Resp: 510407
Ion Ratio Lower Upper
56 100
69 29.1 23.8 35.6
84 82.1 65.4 98.2



#30
1,1,1-Trichloroethane
Concen: 93.129 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion: 97 Resp: 458731
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 47.9 38.7 58.1

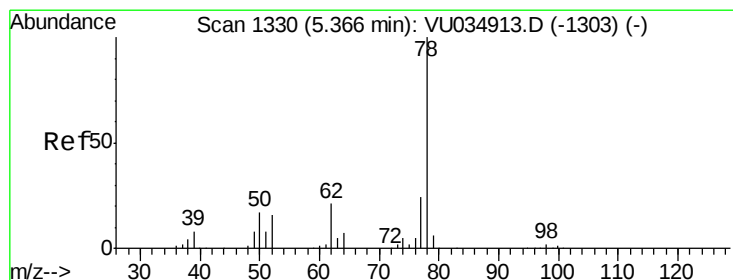
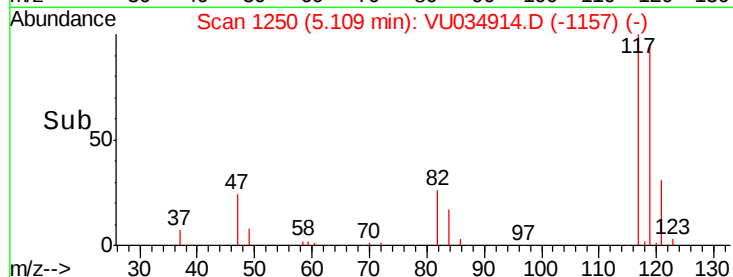
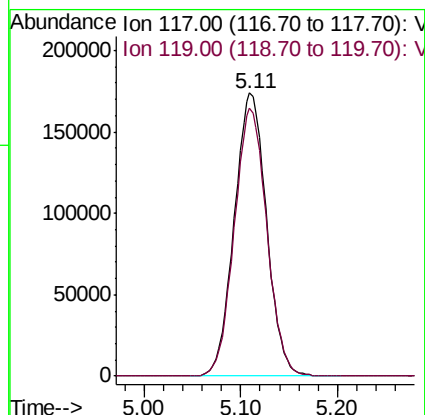
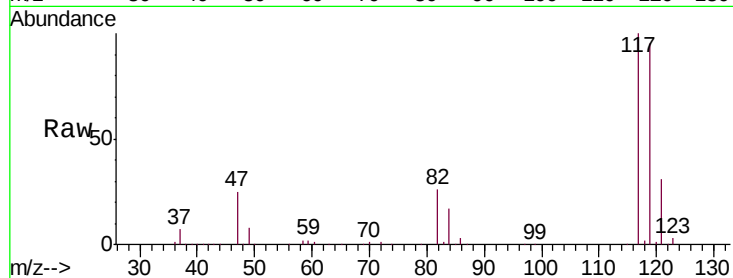




#31
Carbon tetrachloride
Concen: 93.713 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

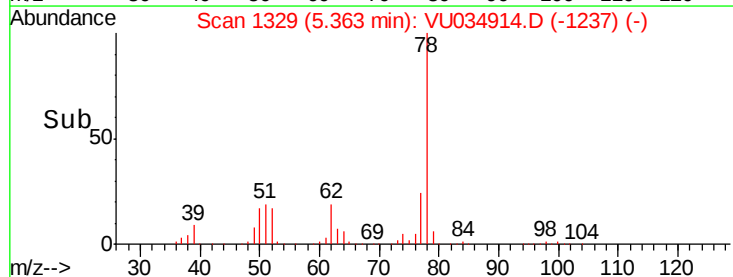
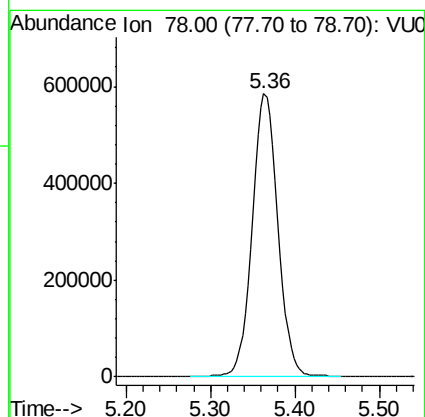
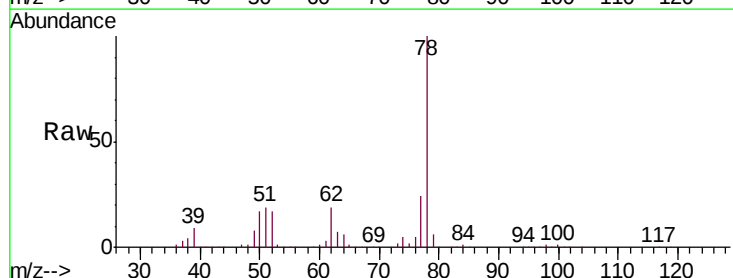
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

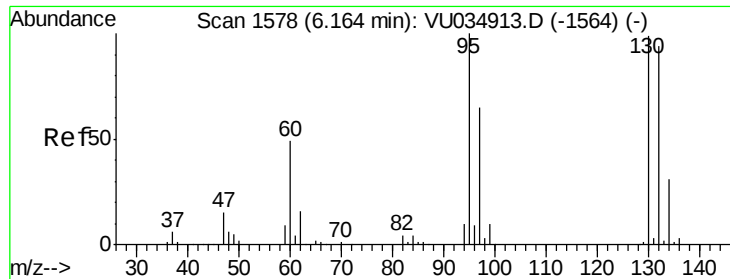
Tgt Ion:117 Resp: 402667
Ion Ratio Lower Upper
117 100
119 95.3 77.5 116.3



#33
Benzene
Concen: 99.336 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion: 78 Resp: 1238967





#34

Trichloroethene

Concen: 95.156 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

Tgt Ion: 95 Resp: 308695

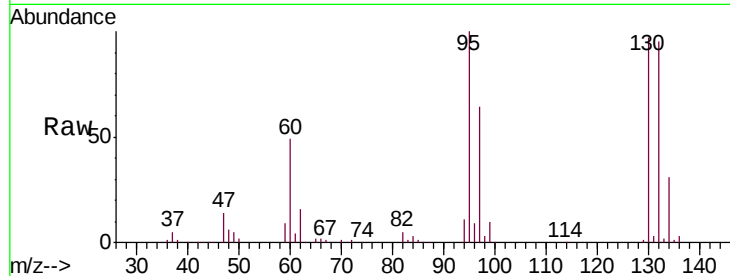
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.9

132 95.1 65.9 122.5

130 97.3 69.0 128.2

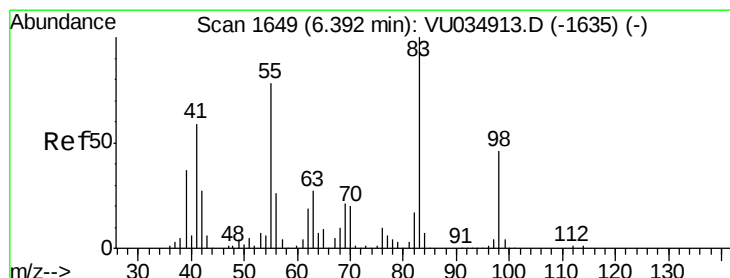
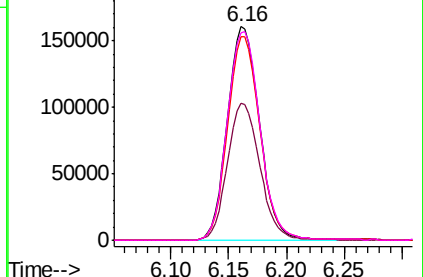
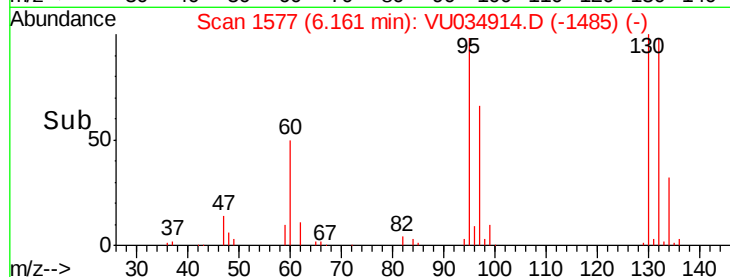


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 100.217 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

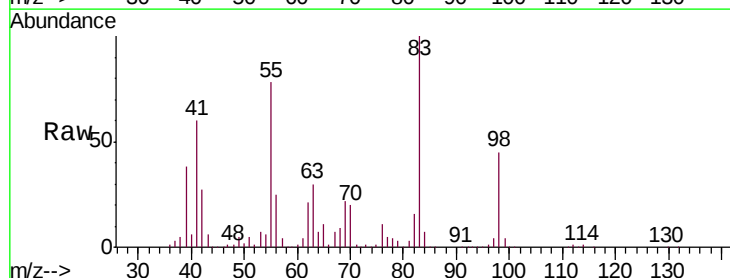
Tgt Ion: 83 Resp: 500283

Ion Ratio Lower Upper

83 100

55 78.7 62.1 93.1

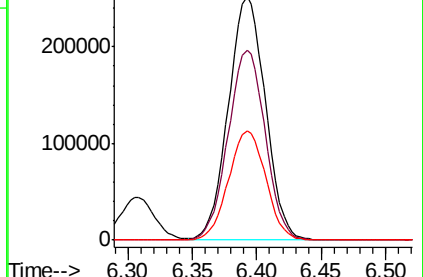
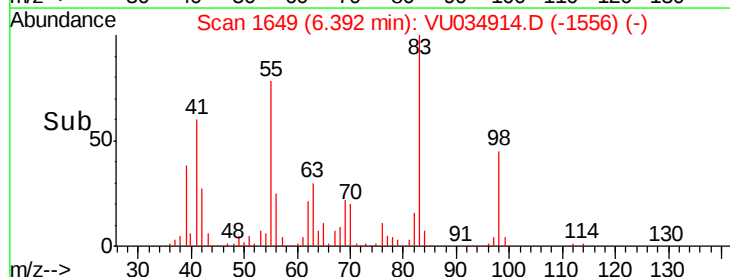
98 45.3 36.4 54.6

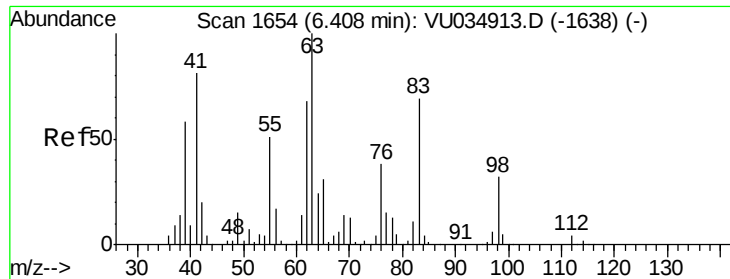


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

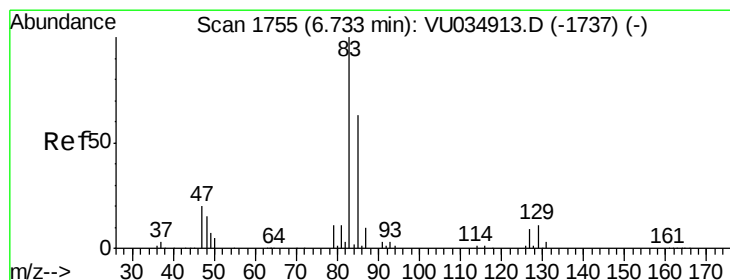
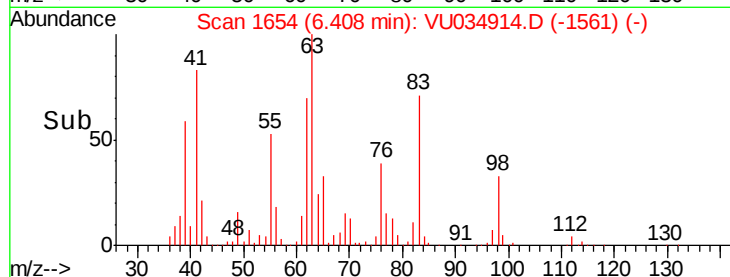
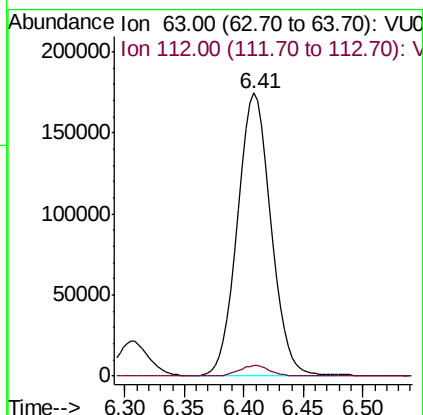
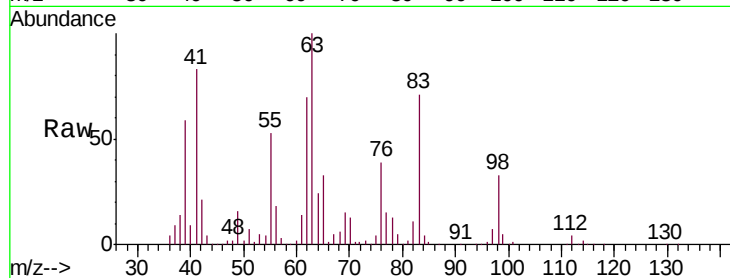




#37
 1,2-Dichloropropane
 Concen: 100.074 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

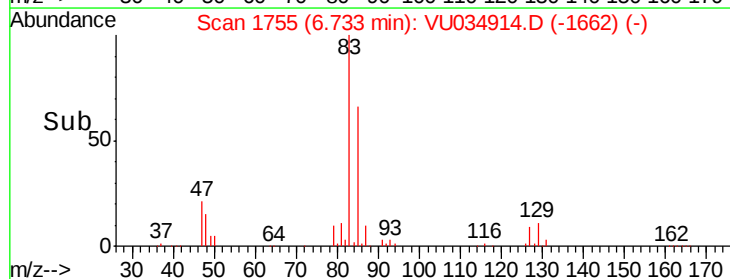
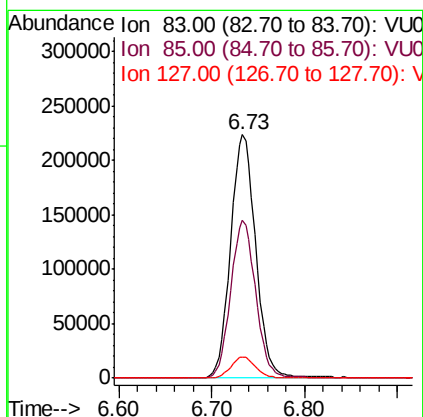
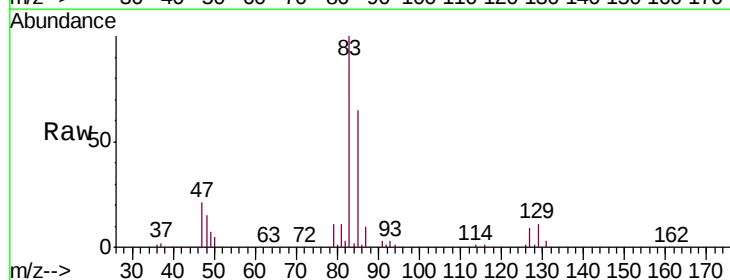
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

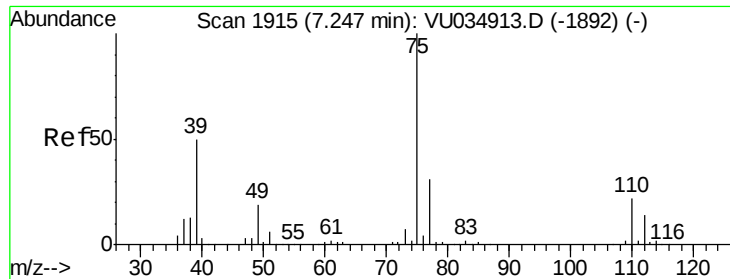
Tgt Ion: 63 Resp: 339479
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 97.403 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion: 83 Resp: 419759
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.3 82.3
 127 8.8 7.0 10.4

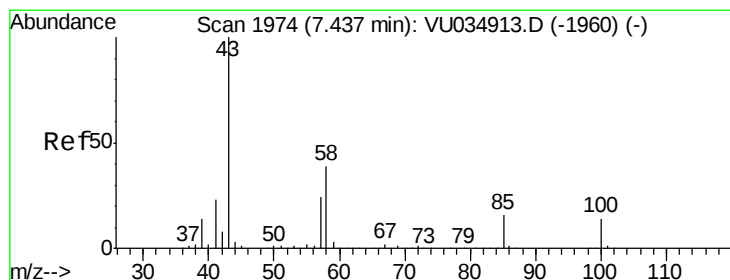
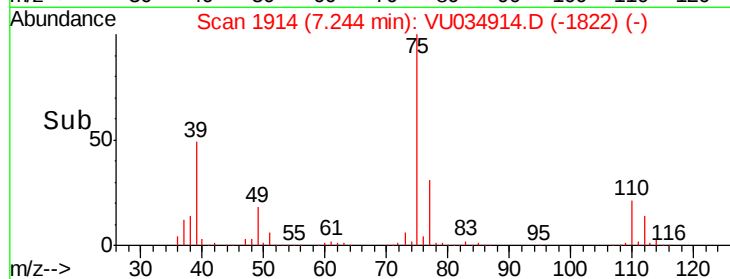
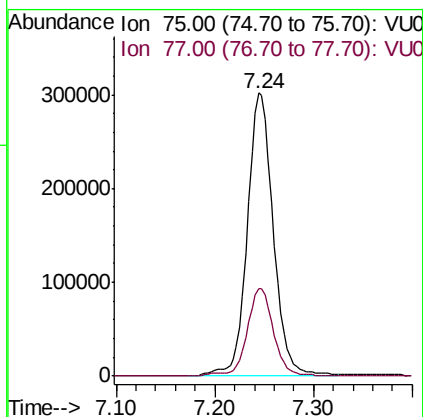
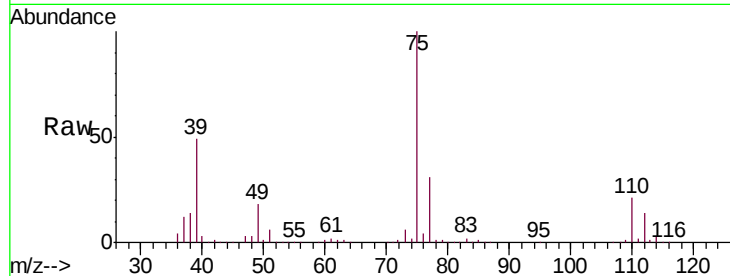




#39
 cis-1,3-Dichloropropene
 Concen: 104.903 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

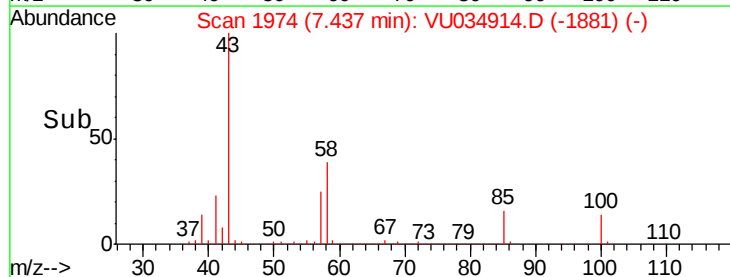
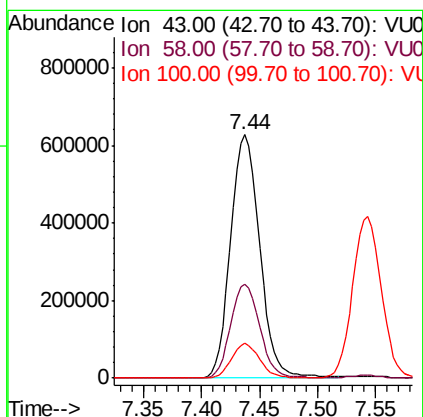
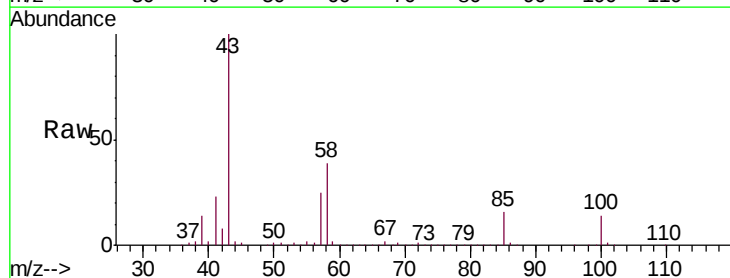
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

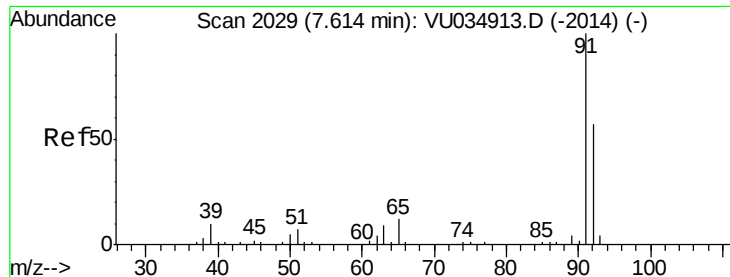
Tgt Ion: 75 Resp: 549759
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 233.738 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion: 43 Resp: 1097693
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.7 46.1
 100 13.7 10.9 16.3





#42

Toluene

Concen: 100.557 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

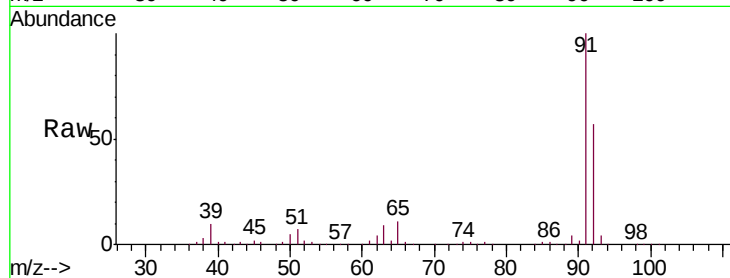
VSTD10036

Tgt Ion: 91 Resp: 1345211

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU034914.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034914.D (-1936) (-)

7.61

800000

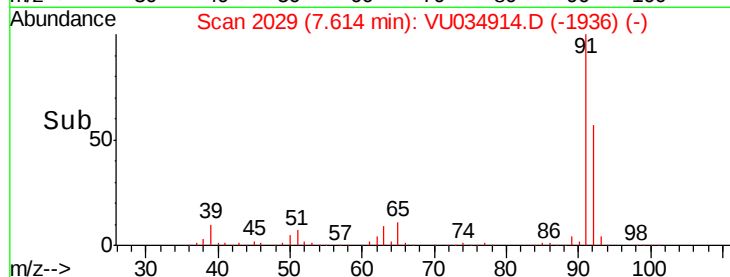
600000

400000

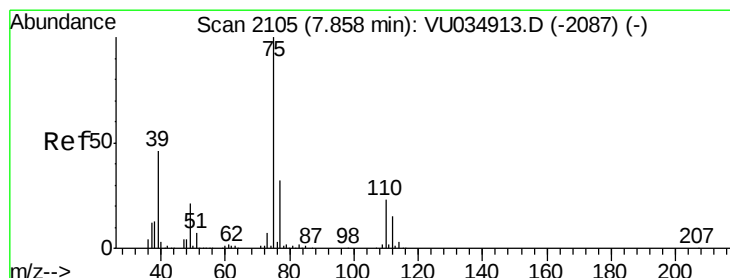
200000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 105.695 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VU034914.D

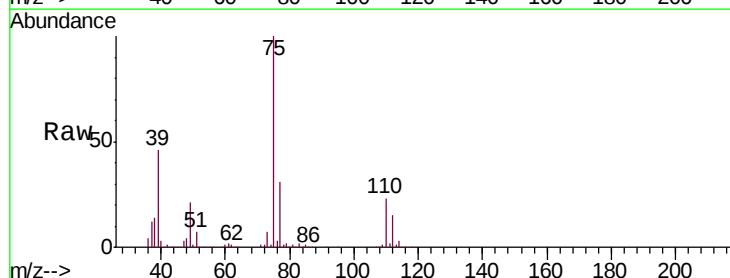
Acq: 03 Oct 2019 12:46

Tgt Ion: 75 Resp: 492352

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU034914.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU034914.D (-2102) (-)

7.86

300000

250000

200000

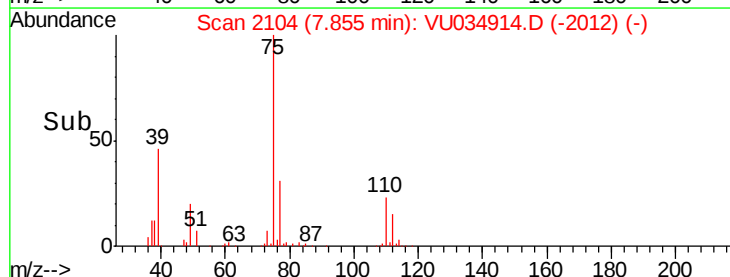
150000

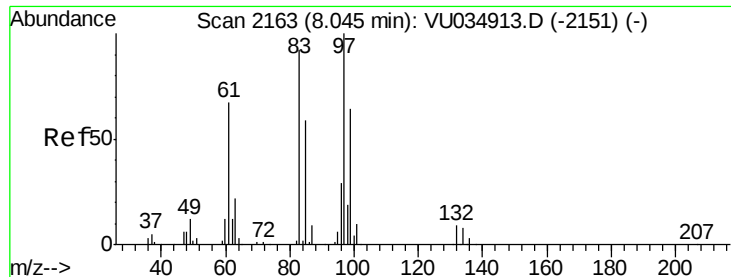
100000

50000

0

Time-->

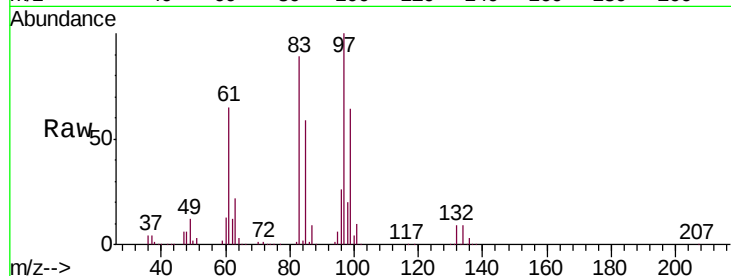




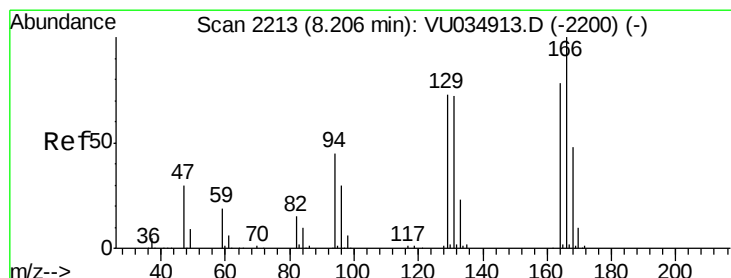
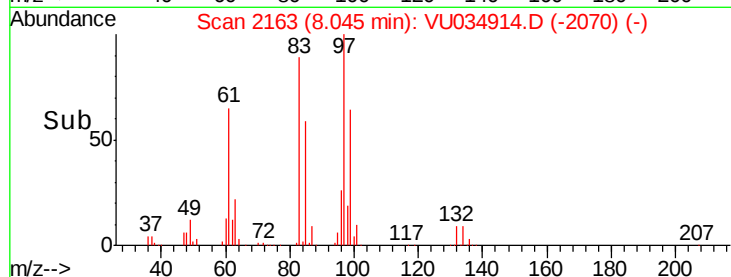
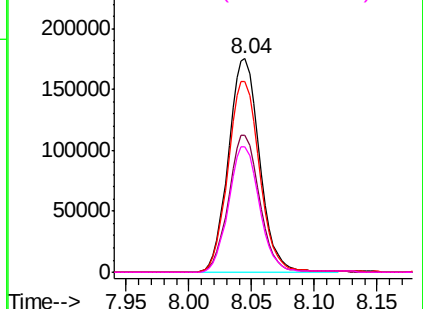
#45
 1,1,2-Trichloroethane
 Concen: 95.970 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion:	97	Resp:	303715
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.8	83.2
83	89.5	64.4	119.6
85	58.7	41.4	76.8

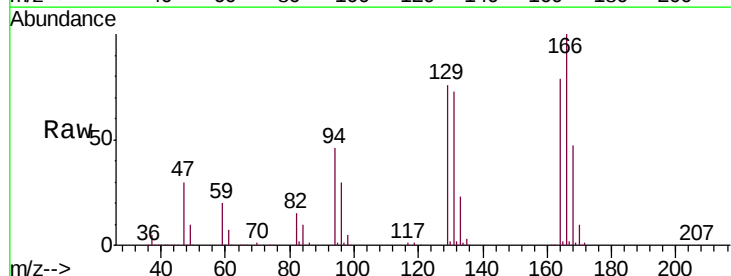


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

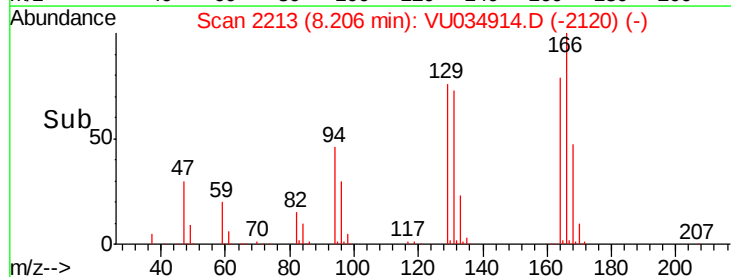
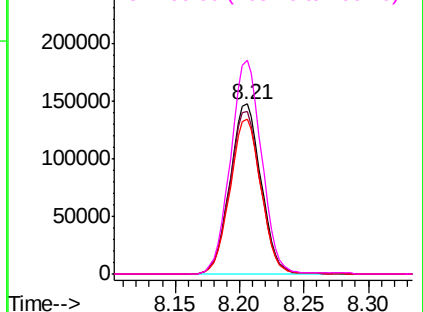


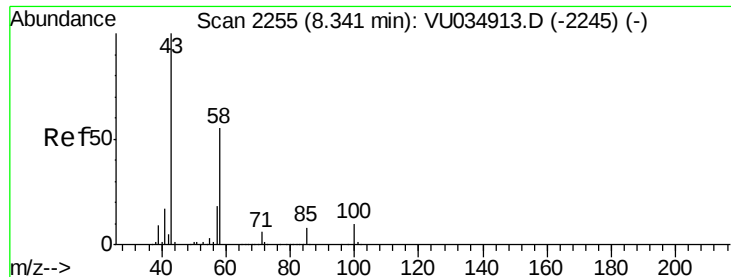
#46
 Tetrachloroethene
 Concen: 98.173 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion:	164	Resp:	246580
Ion	Ratio	Lower	Upper
164	100		
129	95.5	65.9	122.3
131	91.3	64.9	120.5
166	125.8	89.9	166.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

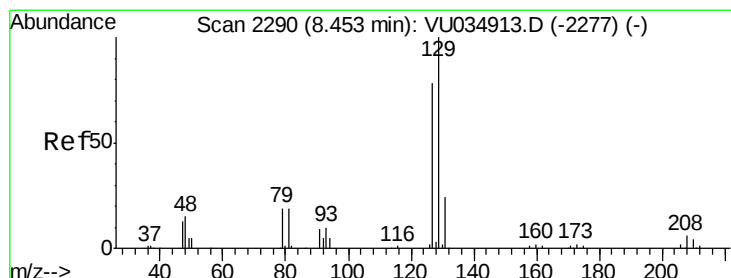
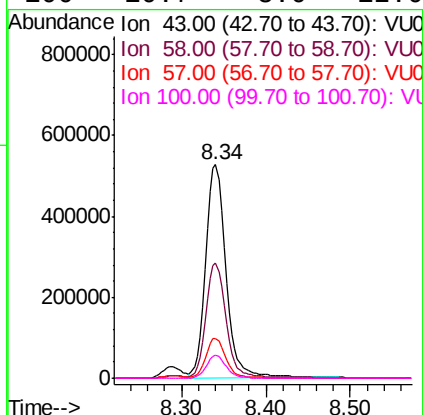
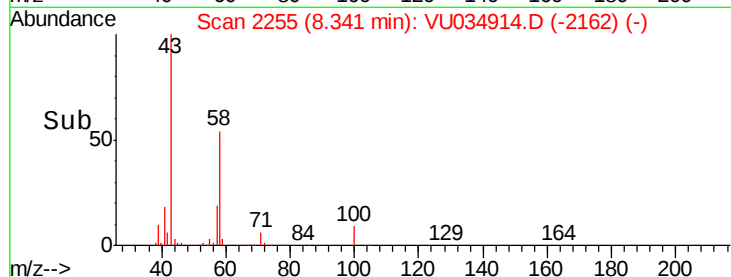
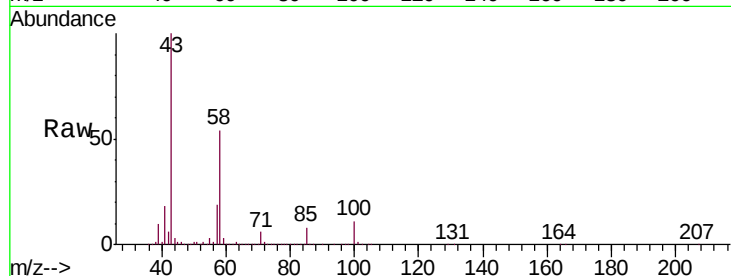




#48
2-Hexanone
Concen: 232.121 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

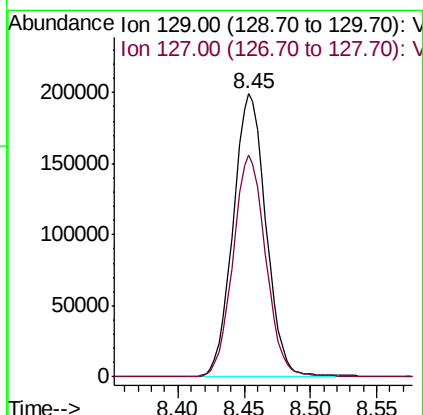
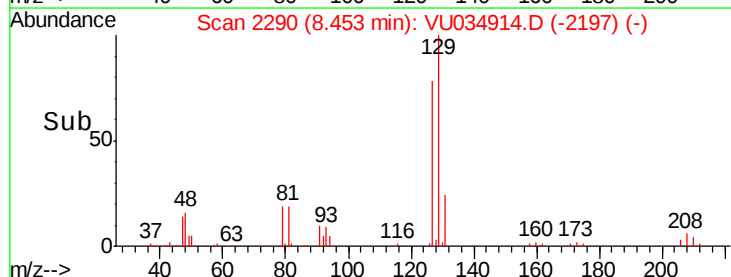
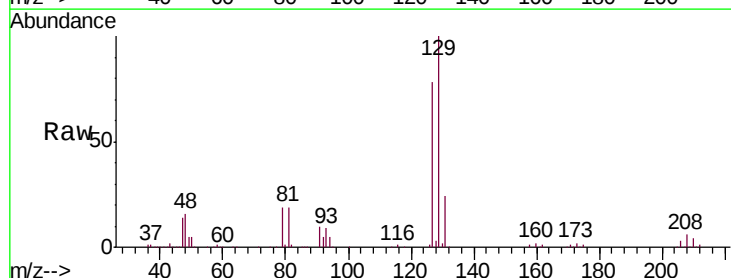
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

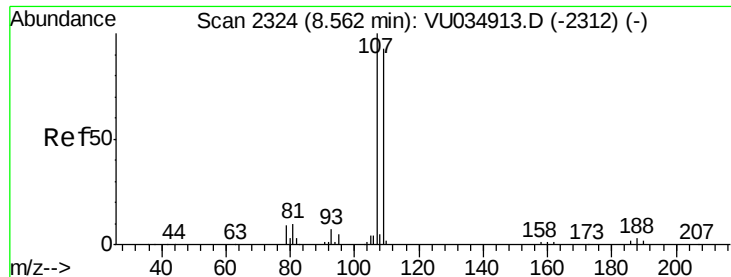
Tgt Ion: 43 Resp: 883712
Ion Ratio Lower Upper
43 100
58 52.8 40.8 61.2
57 18.3 14.0 21.0
100 10.7 8.0 12.0



#49
Dibromochloromethane
Concen: 97.511 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion: 129 Resp: 343032
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.9

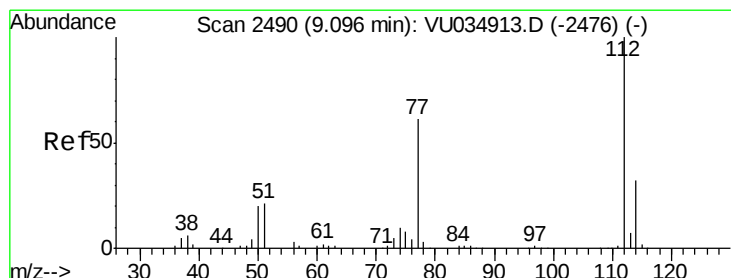
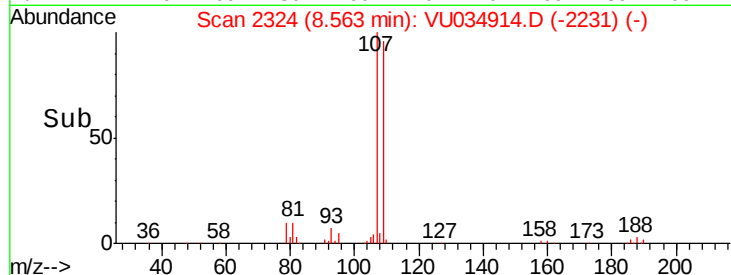
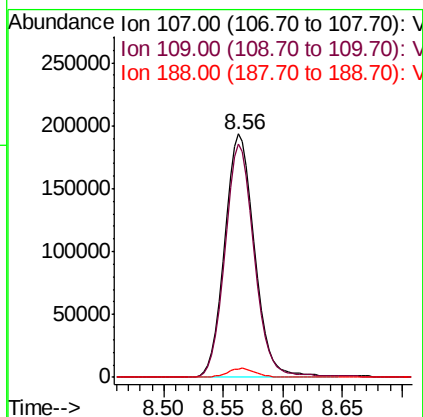
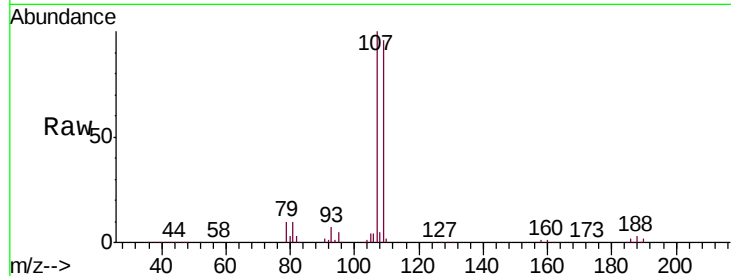




#50
1,2-Dibromoethane
Concen: 97.960 ug/L
RT: 8.56 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

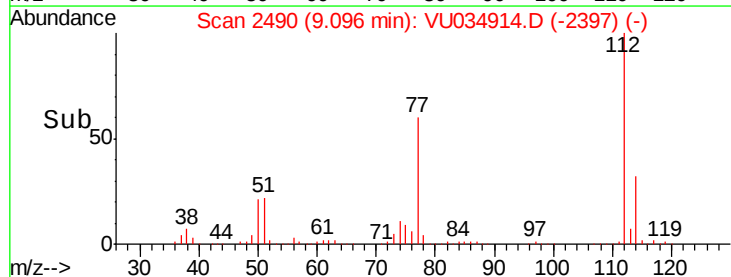
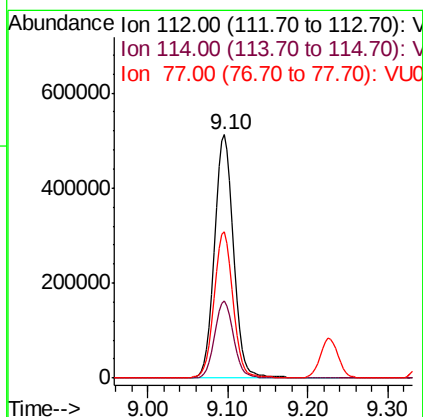
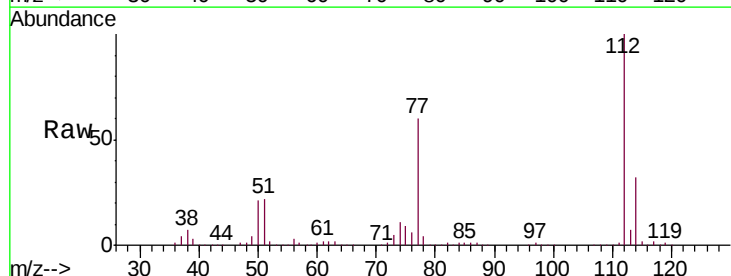
Instrument :
MSVOA_U
ClientSampleId :
VSTD10036

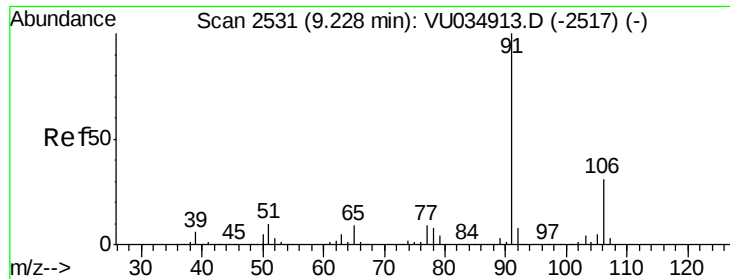
Tgt Ion:107 Resp: 337444
Ion Ratio Lower Upper
107 100
109 95.8 65.2 121.0
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 98.151 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034914.D
Acq: 03 Oct 2019 12:46

Tgt Ion:112 Resp: 852977
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 60.1 48.7 73.1





#52

Ethylbenzene

Concen: 104.620 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

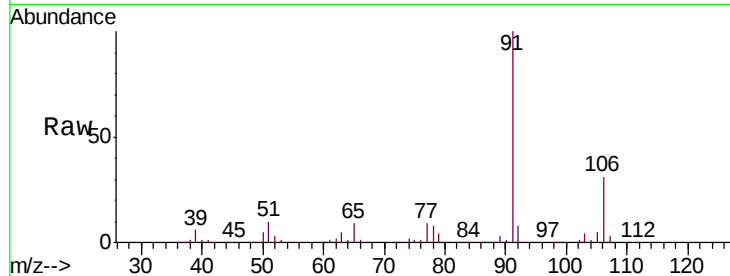
VSTD10036

Tgt Ion: 91 Resp: 1502714

Ion Ratio Lower Upper

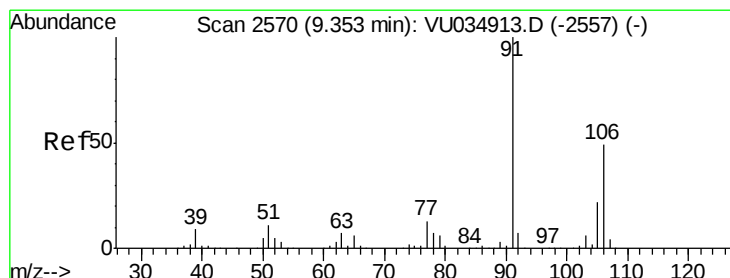
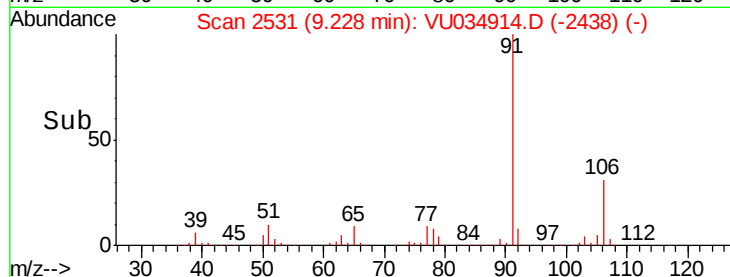
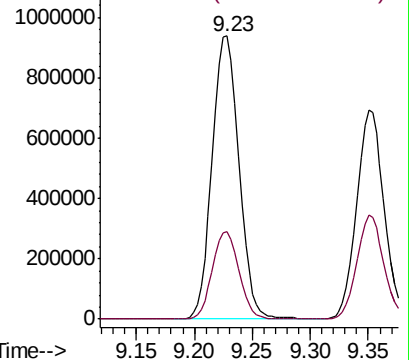
91 100

106 30.8 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU034913.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034913.D (-2517) (-)



#53

m,p-Xylene

Concen: 103.177 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034914.D

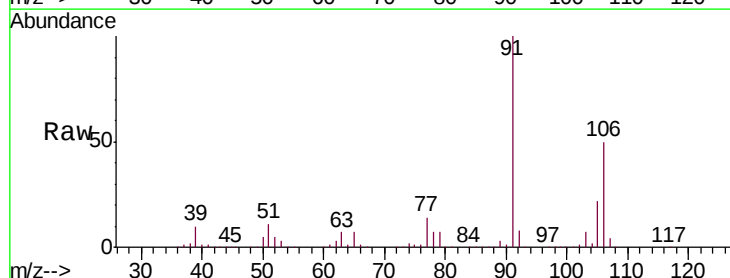
Acq: 03 Oct 2019 12:46

Tgt Ion: 106 Resp: 558972

Ion Ratio Lower Upper

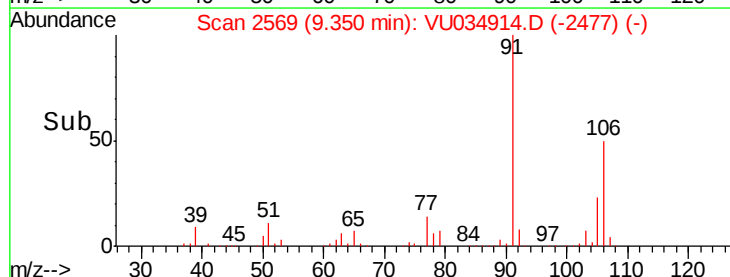
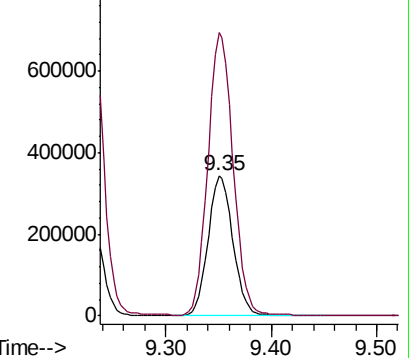
106 100

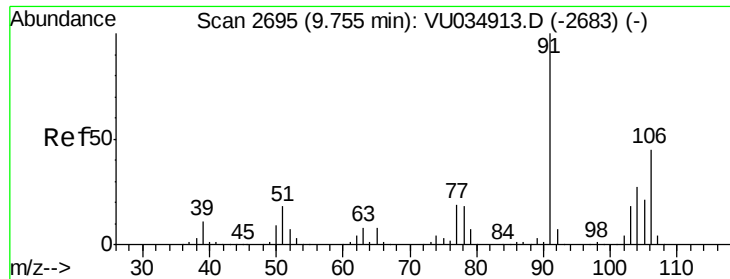
91 201.9 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): VU034913.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034913.D (-2557) (-)





#54

o-xylene

Concen: 102.961 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

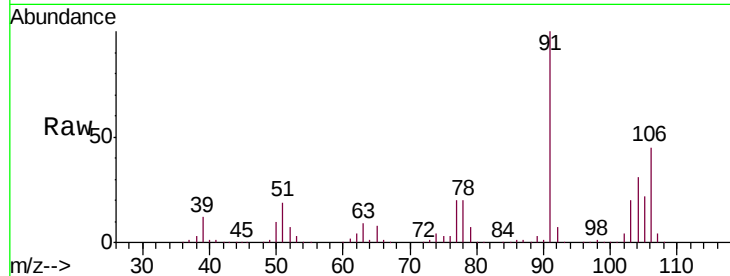
VSTD10036

Tgt Ion:106 Resp: 553094

Ion Ratio Lower Upper

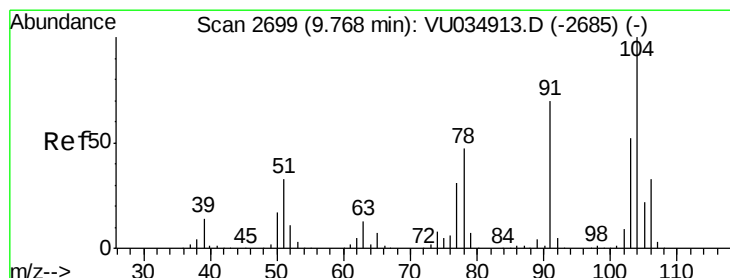
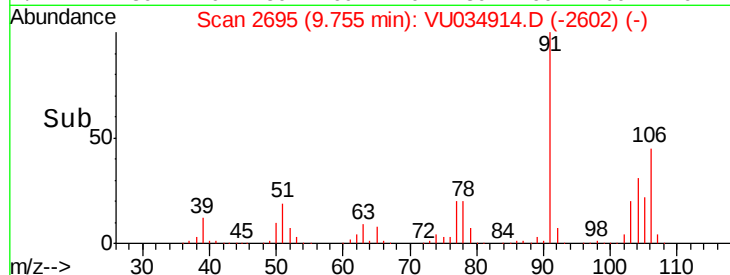
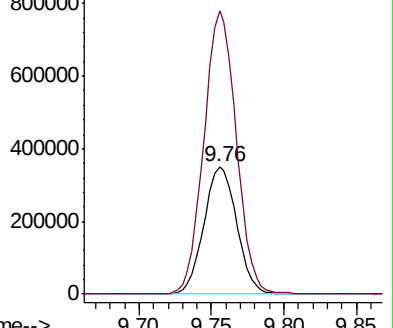
106 100

91 221.6 154.1 286.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 104.453 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VU034914.D

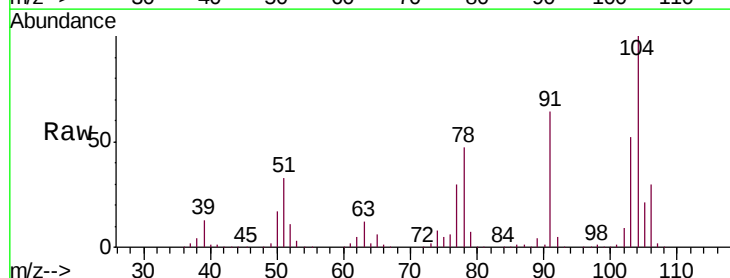
Acq: 03 Oct 2019 12:46

Tgt Ion:104 Resp: 947714

Ion Ratio Lower Upper

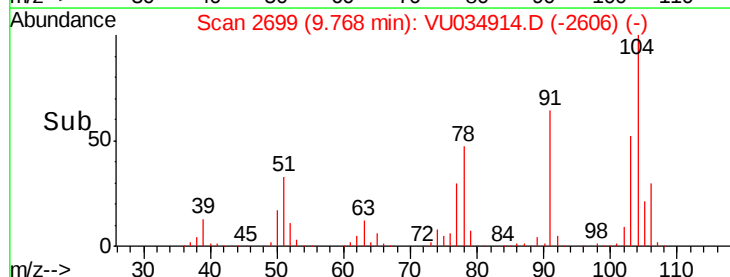
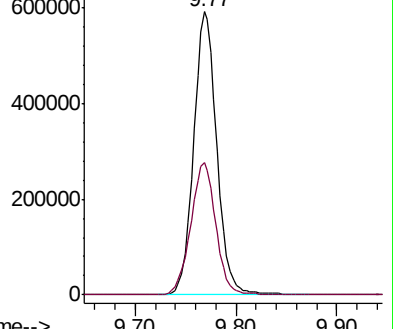
104 100

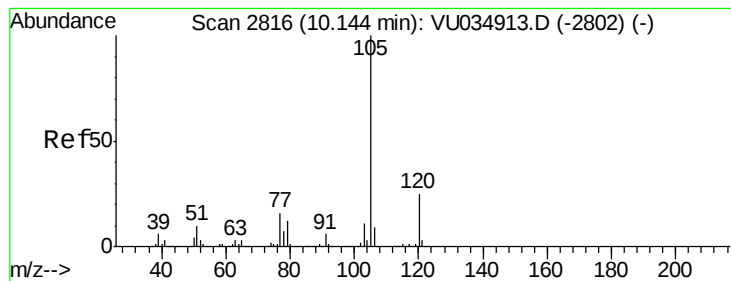
78 46.8 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 104.656 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

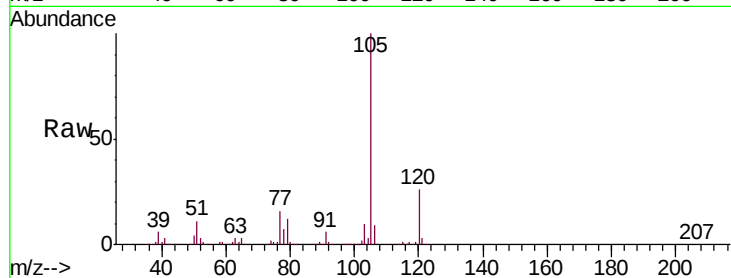
Tgt Ion:105 Resp: 1451096

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

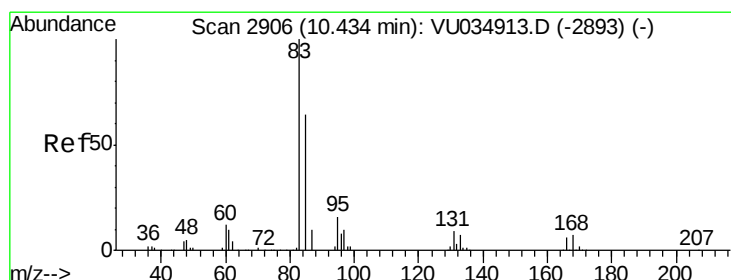
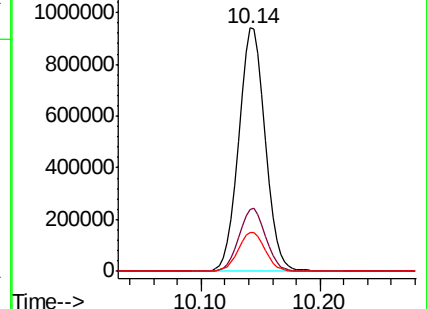
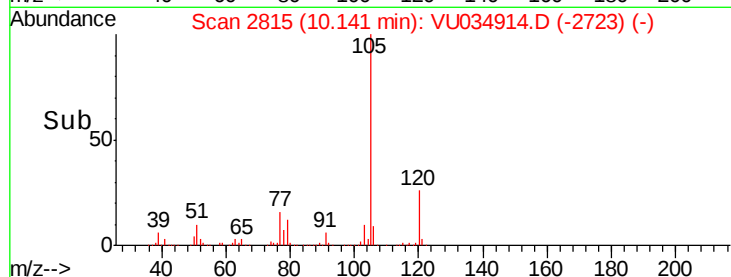
77 16.3 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 100.796 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

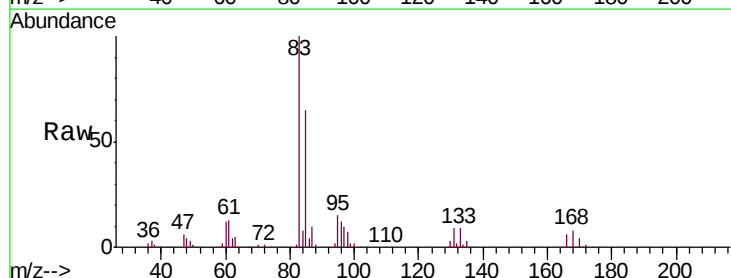
Tgt Ion: 83 Resp: 563199

Ion Ratio Lower Upper

83 100

85 64.5 45.1 83.9

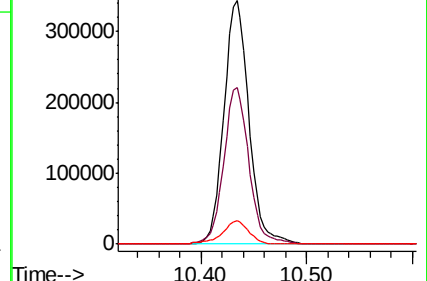
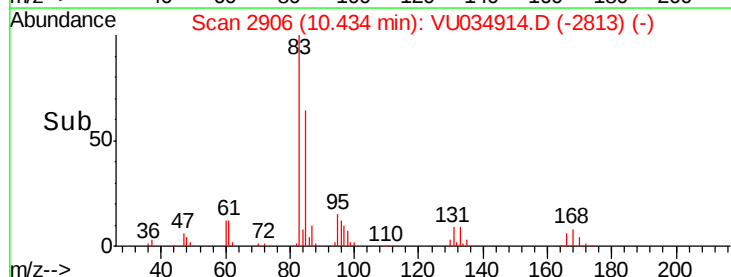
131 9.5 7.4 11.2

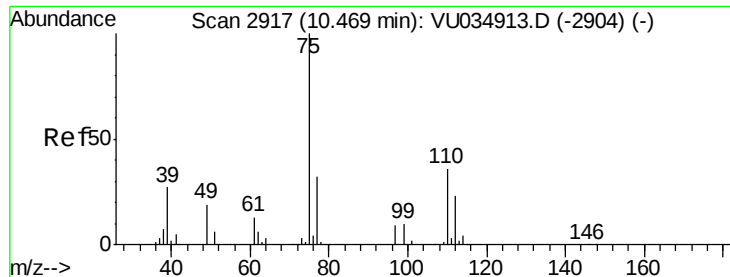


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 101.480 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

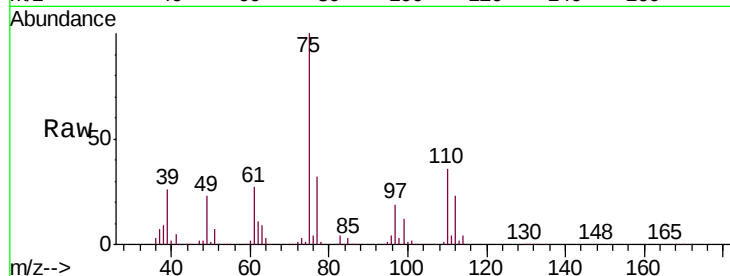
VSTD10036

Tgt Ion: 75 Resp: 447077

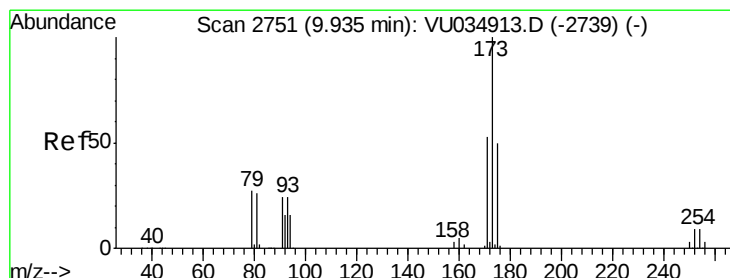
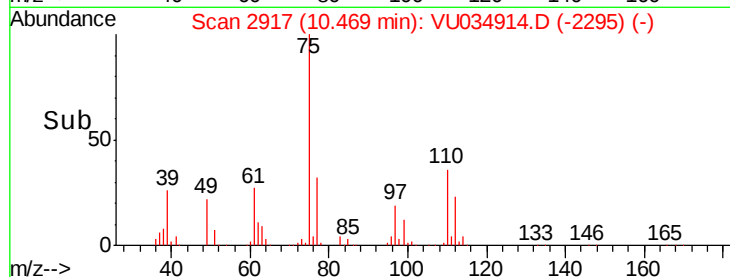
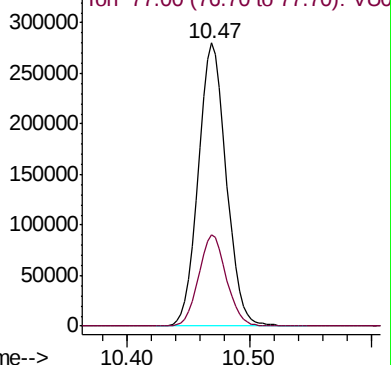
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU034914.D (-2904) (-)



#61

Bromoform

Concen: 101.463 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

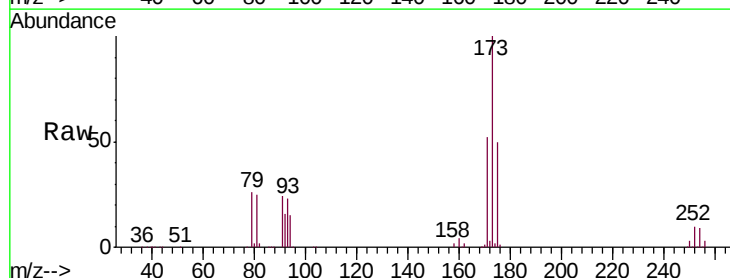
Tgt Ion: 173 Resp: 259647

Ion Ratio Lower Upper

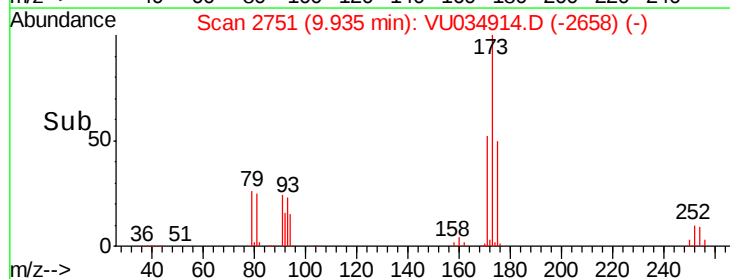
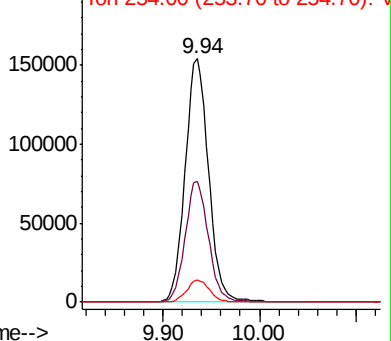
173 100

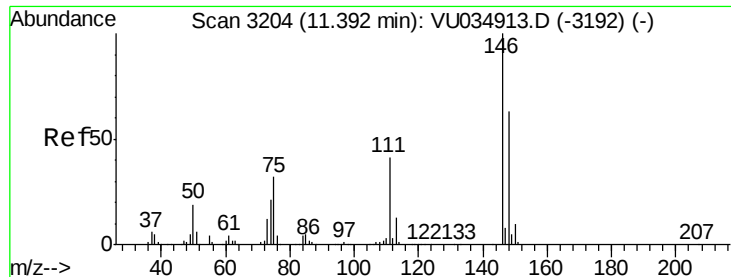
175 49.2 38.6 57.8

254 8.9 6.9 10.3



Abundance Ion 173.00 (172.70 to 173.70): VU034914.D (-2739) (-)





#62

1,3-Dichlorobenzene

Concen: 100.887 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

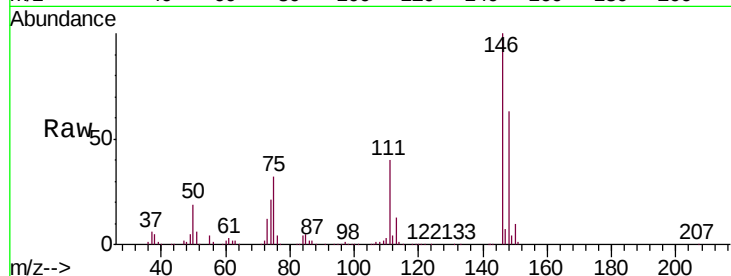
Tgt Ion:146 Resp: 650517

Ion Ratio Lower Upper

146 100

111 40.4 28.8 53.6

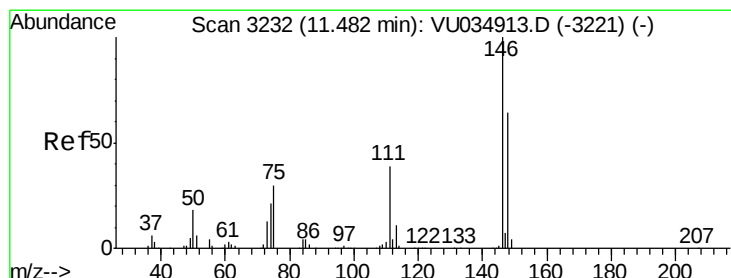
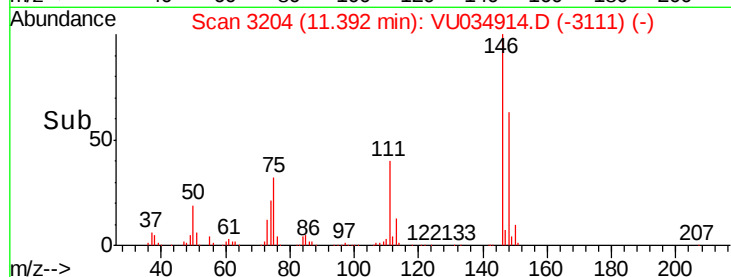
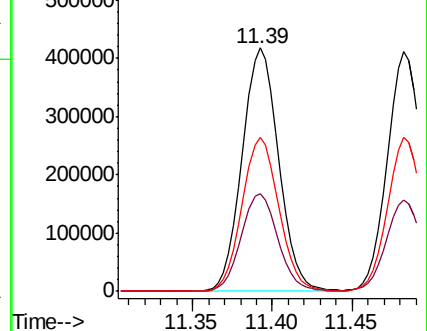
148 63.4 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 96.761 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

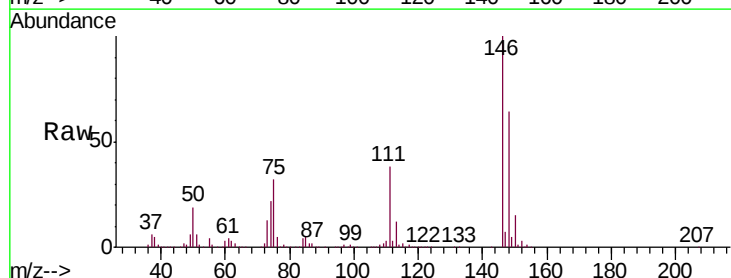
Tgt Ion:146 Resp: 645798

Ion Ratio Lower Upper

146 100

111 38.2 27.3 50.7

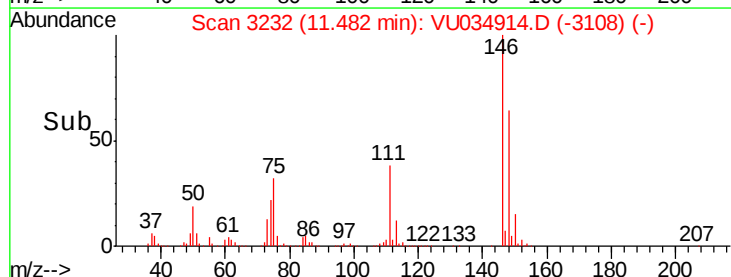
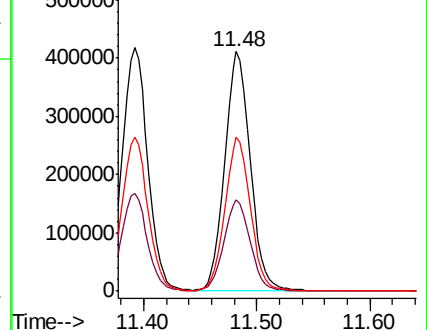
148 64.1 44.5 82.7

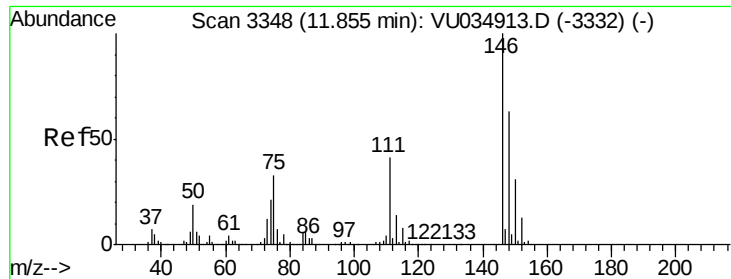


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

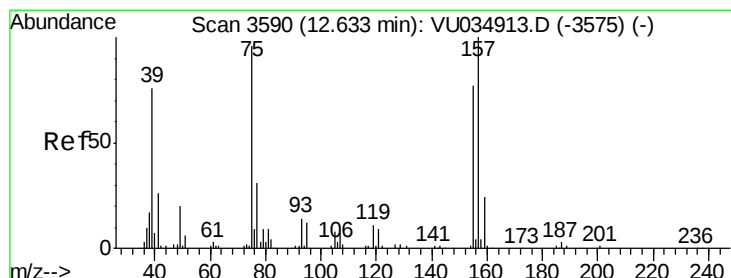
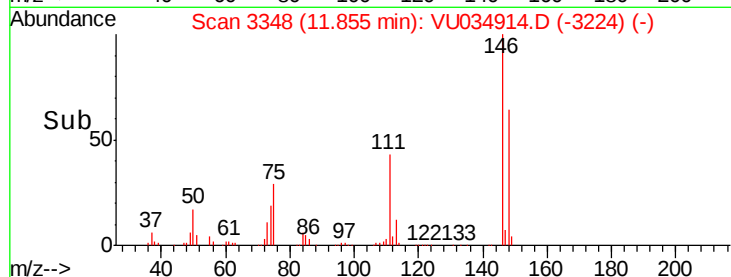
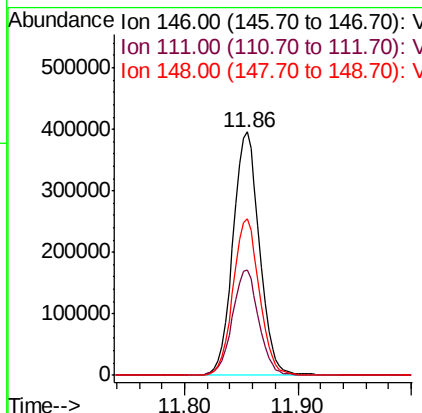
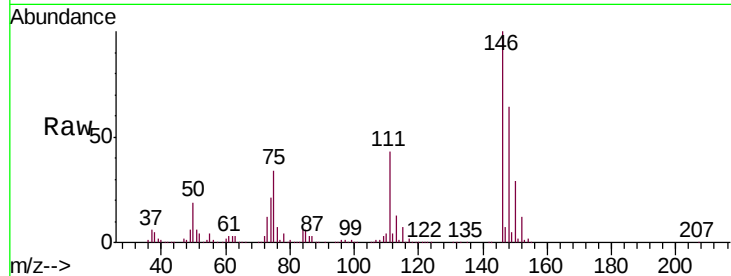




#65
 1,2-Dichlorobenzene
 Concen: 97.872 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

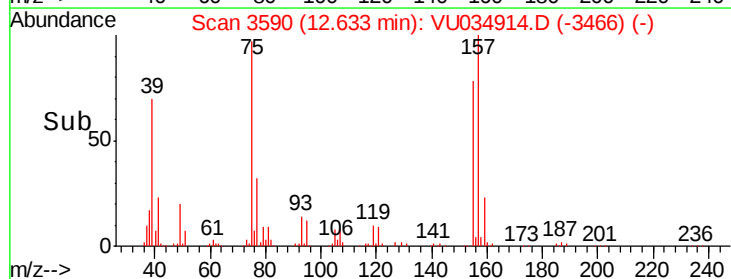
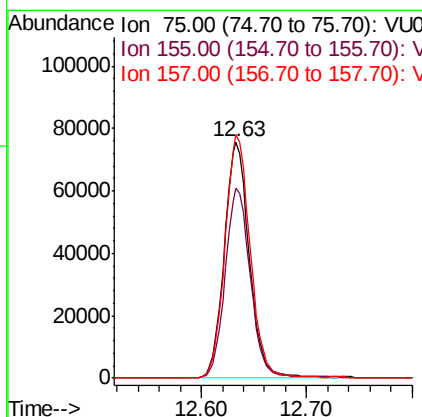
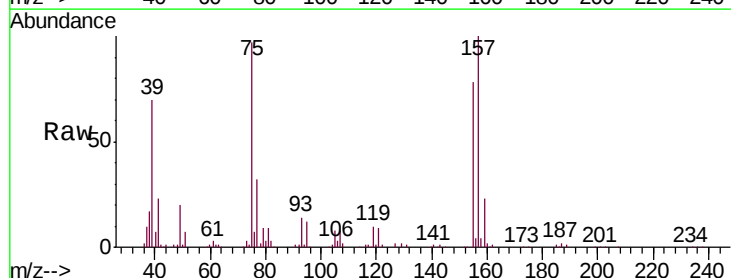
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

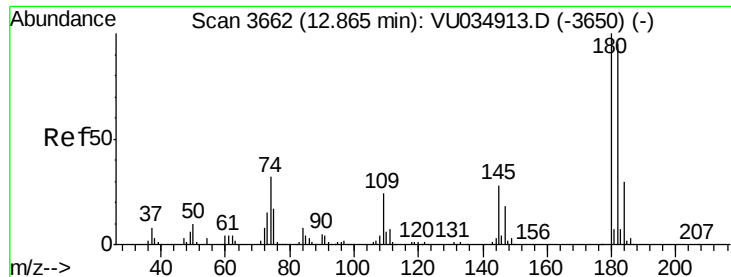
Tgt Ion: 146 Resp: 644076
 Ion Ratio Lower Upper
 146 100
 111 43.2 33.0 49.4
 148 64.2 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 99.238 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion: 75 Resp: 124104
 Ion Ratio Lower Upper
 75 100
 155 80.6 64.2 96.2
 157 103.1 83.0 124.4

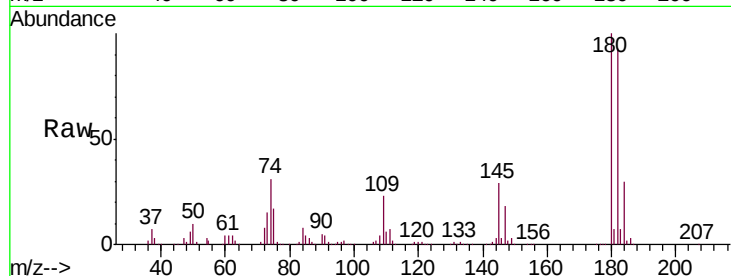




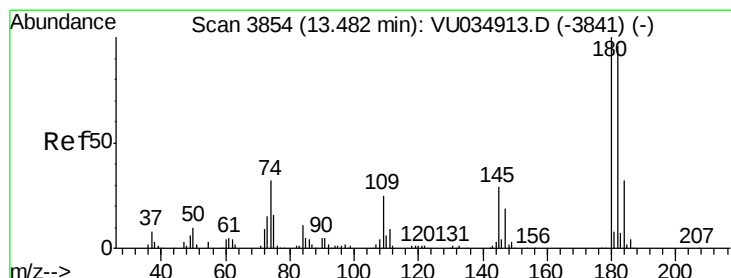
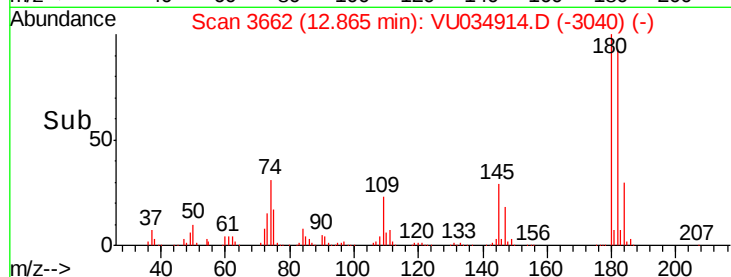
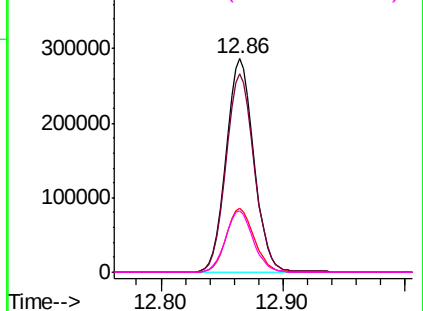
#67
 1,3,5-Trichlorobenzene
 Concen: 99.662 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10036

Tgt Ion:180 Resp: 458674
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 115.0
 184 30.2 24.1 36.1
 145 28.7 22.4 33.6

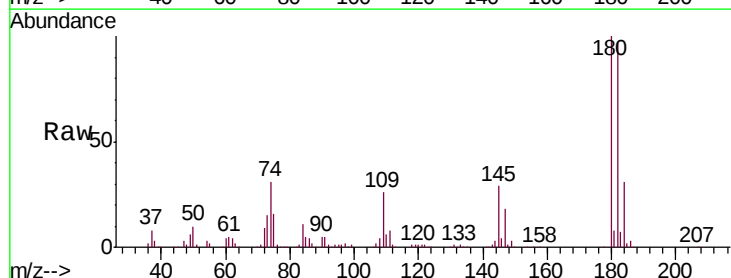


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

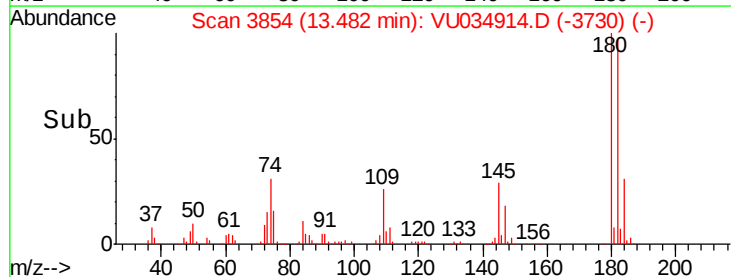
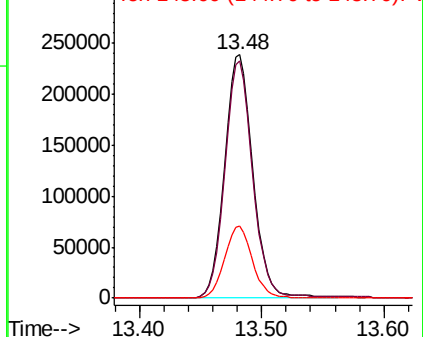


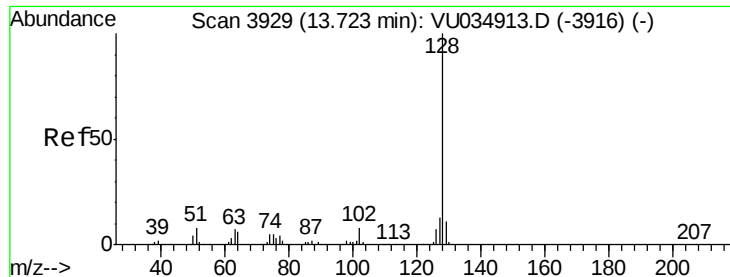
#68
 1,2,4-trichlorobenzene
 Concen: 98.906 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034914.D
 Acq: 03 Oct 2019 12:46

Tgt Ion:180 Resp: 388848
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.5 114.7
 145 29.0 22.6 33.8



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





#69

Naphthalene

Concen: 100.494 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD10036

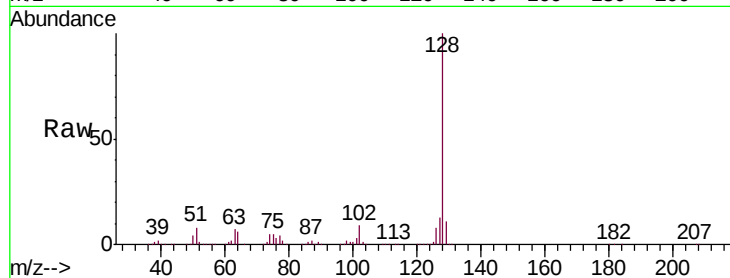
Tgt Ion:128 Resp: 1247774

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

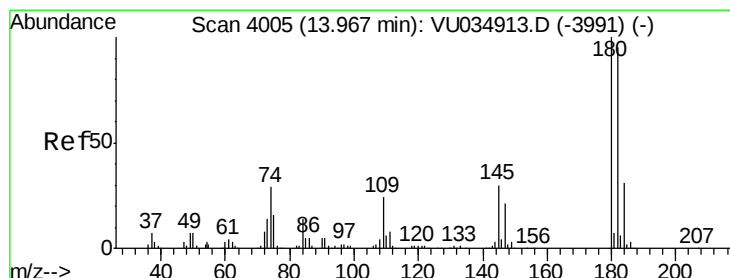
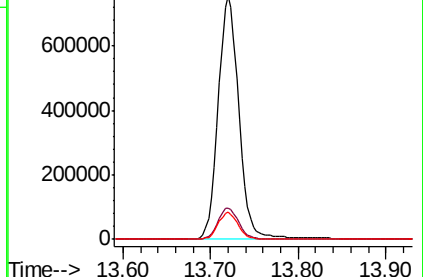
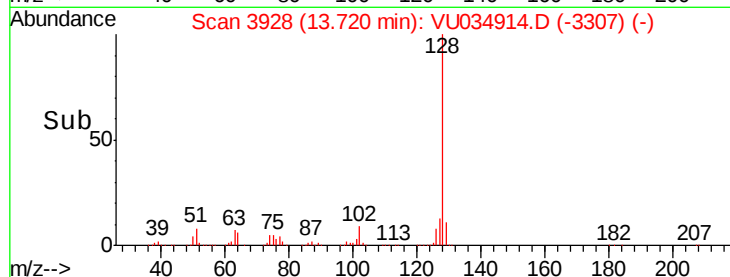
129 10.8 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 91.220 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034914.D

Acq: 03 Oct 2019 12:46

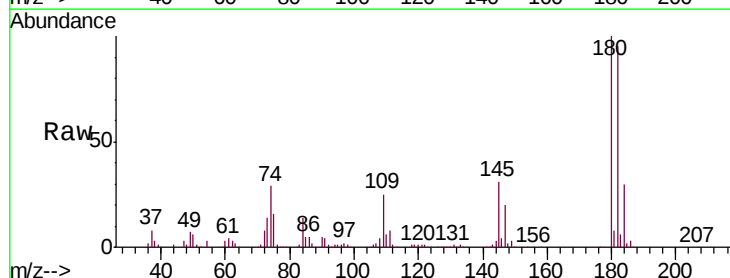
Tgt Ion:180 Resp: 388185

Ion Ratio Lower Upper

180 100

182 95.7 77.2 115.8

145 30.7 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

