

Data File : VU031462.D
Acq On : 24 Apr 2019 11:33
Operator : JC/SP
Sample : VSTD02008
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02008

Quant Time: Apr 25 05:51:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 05:46:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	400998	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	369451	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177813	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	639409	14.96	ug/L	0.00
7) Chloroethane-d5	1.68	69	494510	14.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	1206744	14.46	ug/L	0.00
20) 2-Butanone-d5	4.21	46	1876959	215.85	ug/L	0.00
24) Chloroform-d	4.64	84	1028773	18.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	539676	18.15	ug/L	0.00
32) Benzene-d6	5.33	84	2115056	20.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	689297	21.40	ug/L	0.00
41) Toluene-d8	7.56	98	1881663	20.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	279166	21.72	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	1471444	243.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	552805	20.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	655291	19.14	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	665622	15.212 ug/L	100
3) Chloromethane	1.32	50	815012	13.764 ug/L	100
5) Vinyl chloride	1.40	62	821329	13.761 ug/L	97
6) Bromomethane	1.63	94	423904	13.005 ug/L	100
8) Chloroethane	1.70	64	458441	13.415 ug/L	100
9) Trichlorofluoromethane	1.88	101	952065	12.718 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	539142	13.288 ug/L	99
12) 1,1-Dichloroethene	2.28	96	534887	13.205 ug/L	97
13) Acetone	2.35	43	1164620	128.812 ug/L	99
14) Carbon disulfide	2.47	76	1810850	13.405 ug/L	100
15) Methyl Acetate	2.62	43	323599	12.895 ug/L	99
16) Methylene chloride	2.69	84	590565	11.951 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	1539111	14.015 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	576478	13.422 ug/L	99
19) 1,1-Dichloroethane	3.44	63	1094750	18.127 ug/L	99
21) 2-Butanone	4.29	43	1940558	194.712 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	609523	17.560 ug/L	99
23) Bromochloromethane	4.54	128	259278	16.913 ug/L	98
25) Chloroform	4.67	83	1023394	16.747 ug/L	98
27) 1,2-Dichloroethane	5.40	62	672821	17.018 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	873465	17.986 ug/L	99
30) Cyclohexane	4.98	56	1077492	20.922 ug/L	98
31) Carbon tetrachloride	5.13	117	747249	17.125 ug/L	99
33) Benzene	5.38	78	2347753	18.951 ug/L	100
34) Trichloroethene	6.18	95	606295	17.975 ug/L	97
35) Methylcyclohexane	6.41	83	984149	20.971 ug/L	97
37) 1,2-Dichloropropane	6.43	63	626539	19.018 ug/L	99
38) Bromodichloromethane	6.75	83	736895	18.279 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	928165	21.123 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	4430485	207.653 ug/L	100

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42) Toluene	7.63	91	2433874	19.555	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	729414	20.229	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	424735	18.070	ug/L	96
47) Tetrachloroethene	8.22	164	436299	17.592	ug/L	98
48) 2-Hexanone	8.36	43	3178249	210.461	ug/L	100
49) Dibromochloromethane	8.47	129	490942	17.851	ug/L	95
50) 1,2-Dibromoethane	8.58	107	408177	18.440	ug/L #	95
51) Chlorobenzene	9.12	112	1446072	18.586	ug/L	99
52) Ethylbenzene	9.24	91	2625300	20.199	ug/L	98
53) m,p-Xylene	9.37	106	976419	20.985	ug/L	98
54) o-Xylene	9.77	106	949644	20.642	ug/L	99
55) Styrene	9.79	104	1641484	21.496	ug/L	98
56) Isopropylbenzene	10.16	105	2513708	20.839	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	546856	18.328	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	397012	18.511	ug/L	98
61) Bromoform	9.95	173	279678	16.674	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	1073604	18.513	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1089213	18.623	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	1048796	17.948	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	89299	18.672	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	840640	17.794	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	724731	21.245	ug/L	99
69) Naphthalene	13.74	128	1462316	21.195	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	686623	20.177	ug/L	100

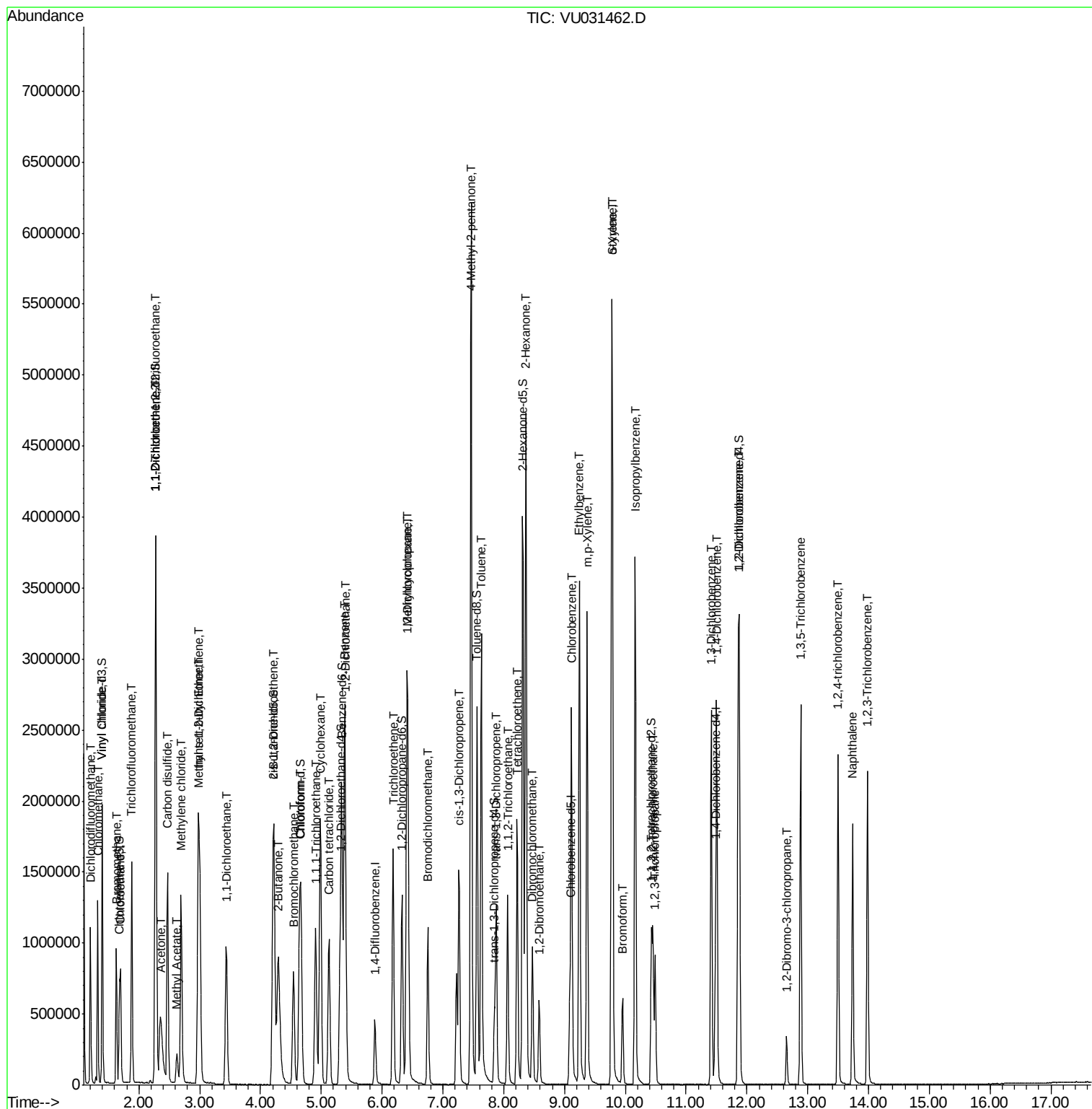
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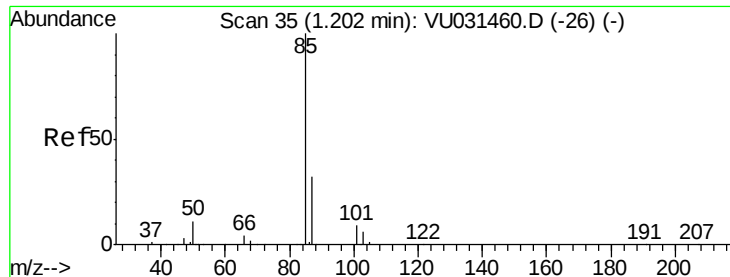
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#2

Dichlorodifluoromethane

Concen: 15.212 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

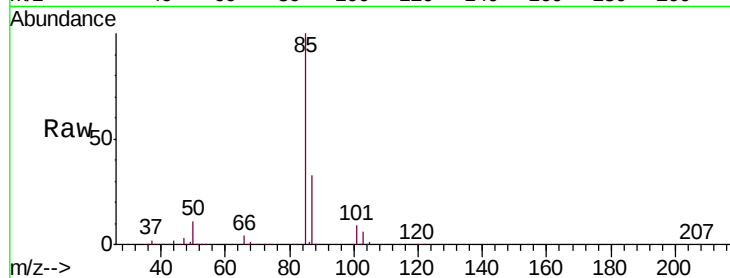
VSTD02008

Tgt Ion: 85 Resp: 665622

Ion Ratio Lower Upper

85 100

87 32.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031462.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031462.D (-26) (-)

1.20

600000

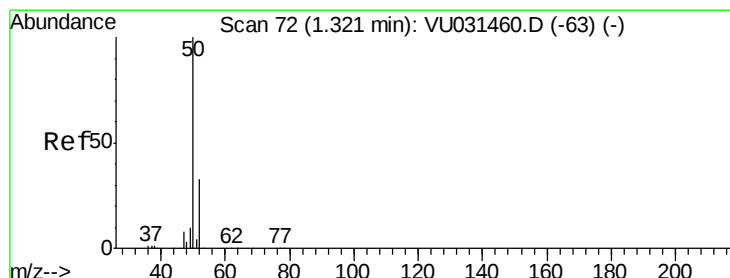
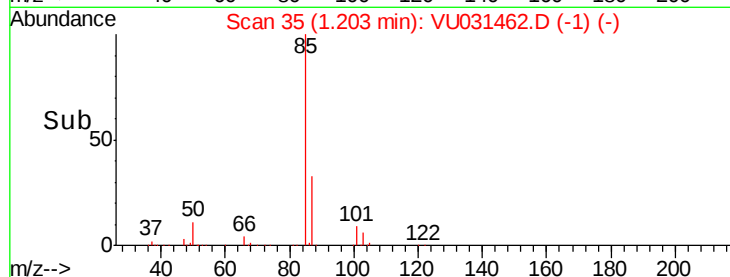
400000

200000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 13.764 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU031462.D

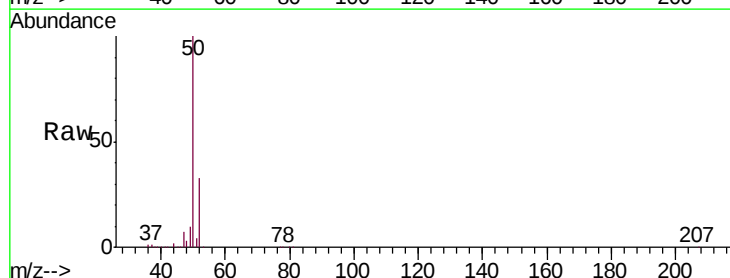
Acq: 24 Apr 2019 11:33

Tgt Ion: 50 Resp: 815012

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU031462.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU031462.D (-1) (-)

1.32

800000

600000

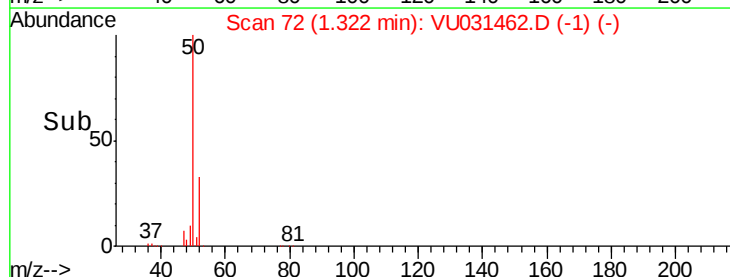
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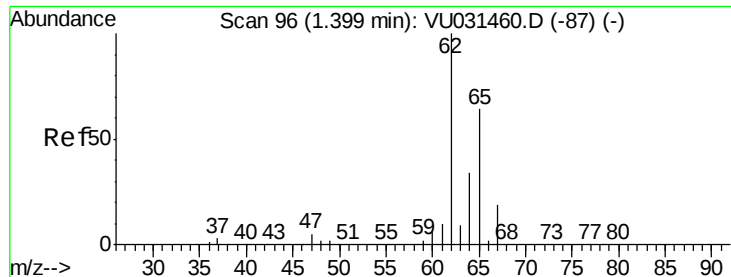
200000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 13.761 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

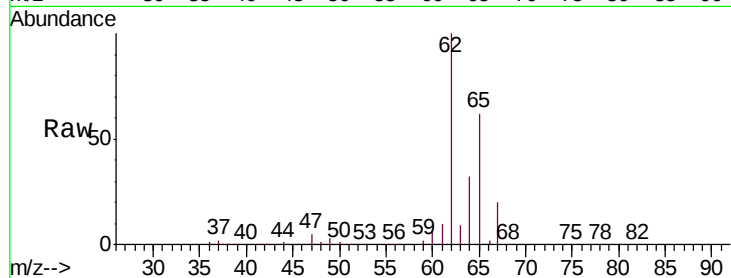
VSTD02008

Tgt Ion: 62 Resp: 821329

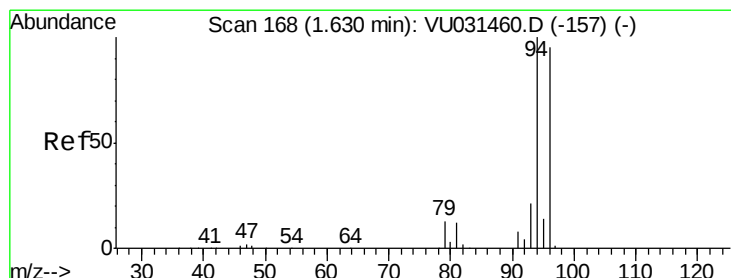
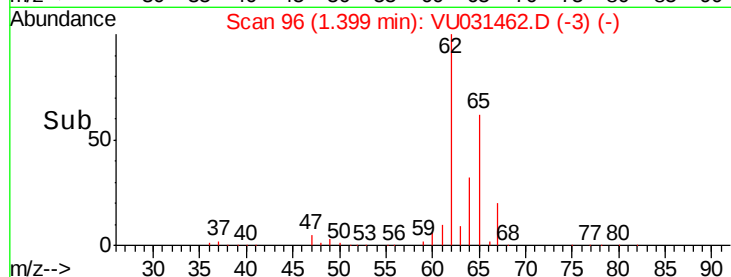
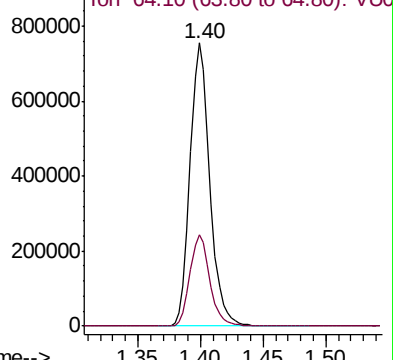
Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VU031462.D (-3) (-)



#6

Bromomethane

Concen: 13.005 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031462.D

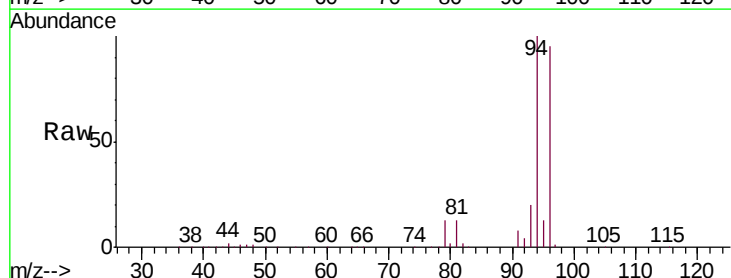
Acq: 24 Apr 2019 11:33

Tgt Ion: 94 Resp: 423904

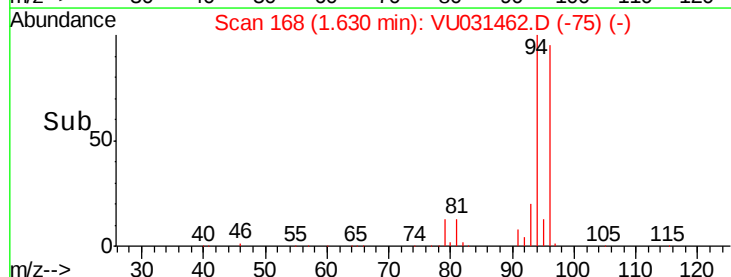
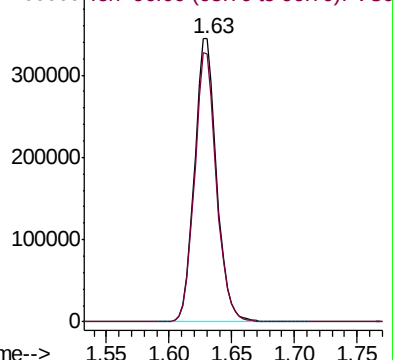
Ion Ratio Lower Upper

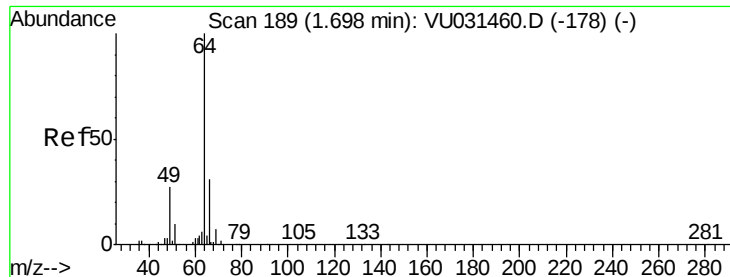
94 100

96 94.8 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU031462.D (-75) (-)





#8

Chloroethane

Concen: 13.415 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

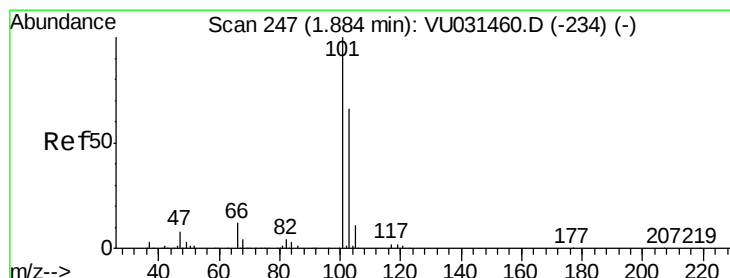
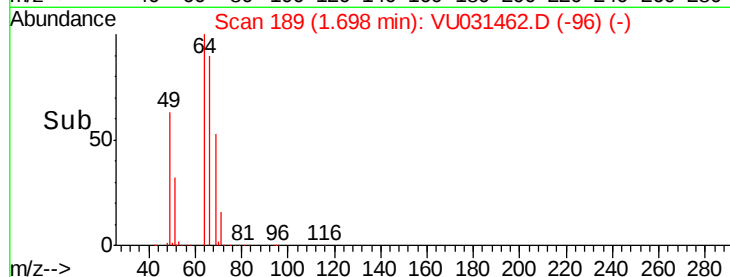
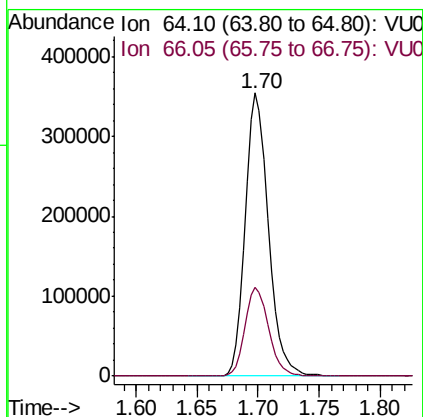
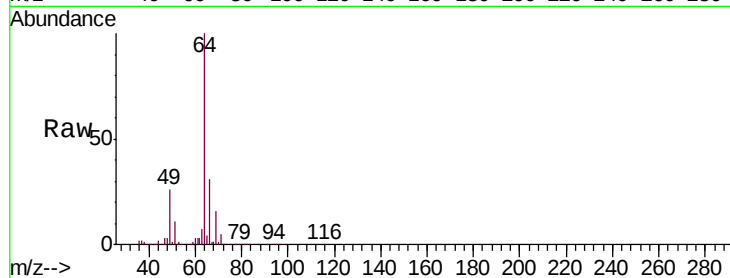
VSTD02008

Tgt Ion: 64 Resp: 458441

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 12.718 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031462.D

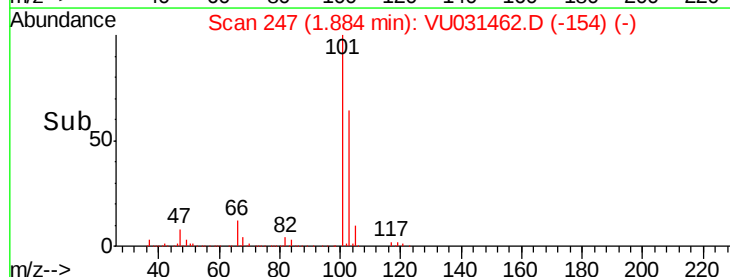
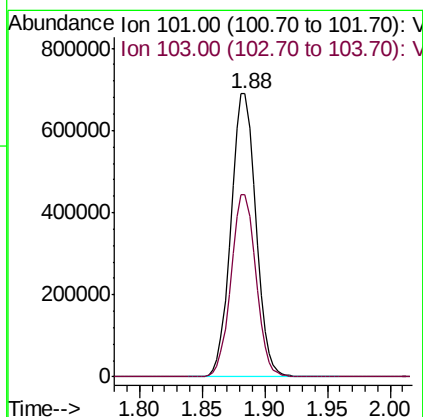
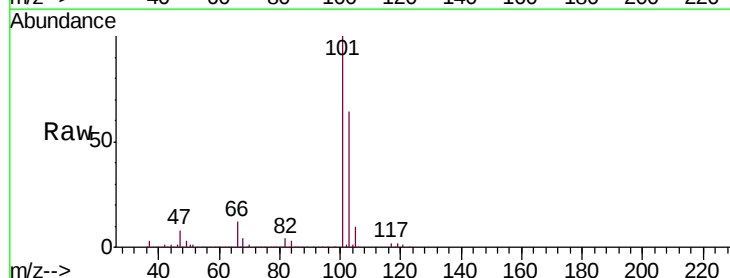
Acq: 24 Apr 2019 11:33

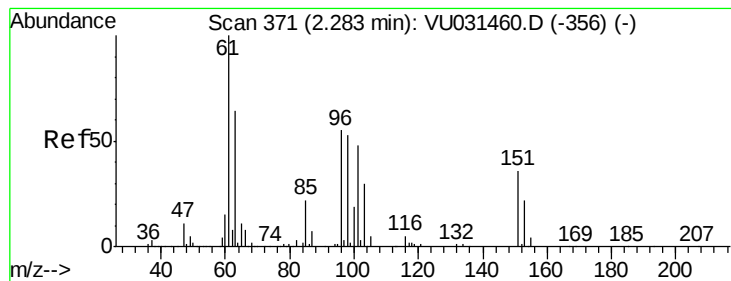
Tgt Ion: 101 Resp: 952065

Ion Ratio Lower Upper

101 100

103 64.4 52.7 79.1





#10

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

Concen: 13.288 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

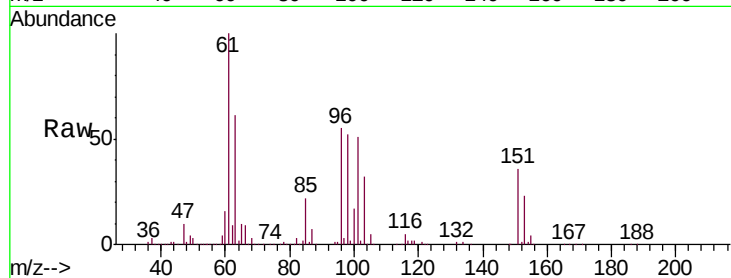
Tgt Ion: 101 Resp: 539142

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.6

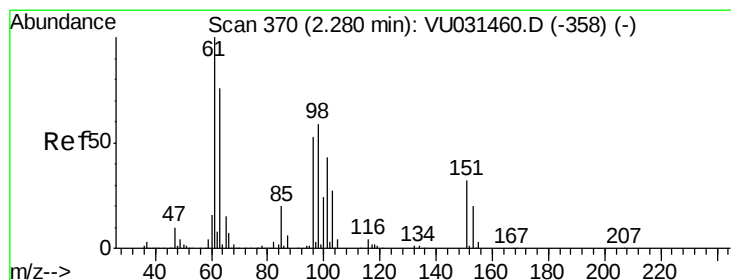
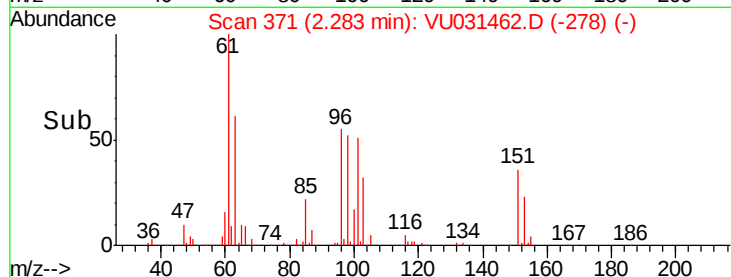
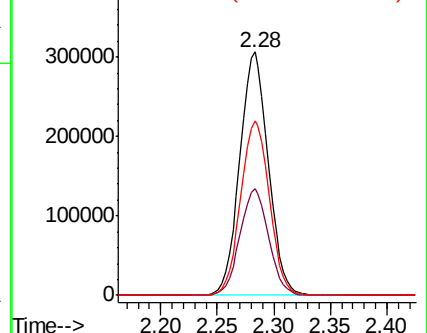
151 72.6 59.2 88.8



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: 13.205 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

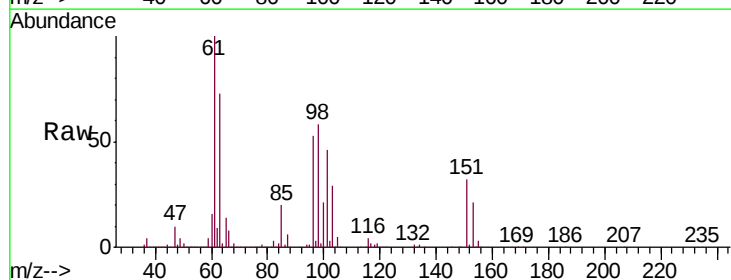
Tgt Ion: 96 Resp: 534887

Ion Ratio Lower Upper

96 100

61 187.5 131.3 243.8

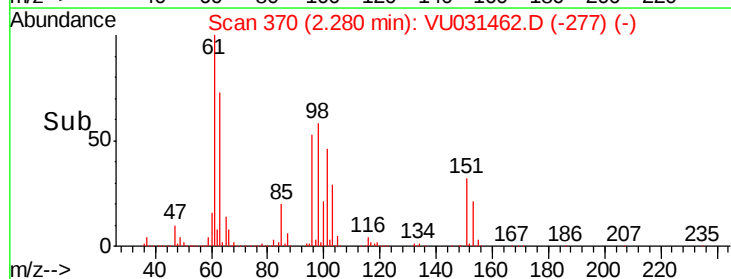
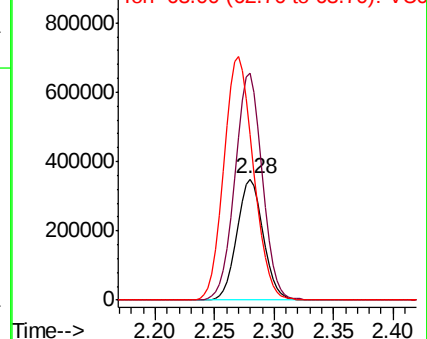
63 136.7 101.9 189.3

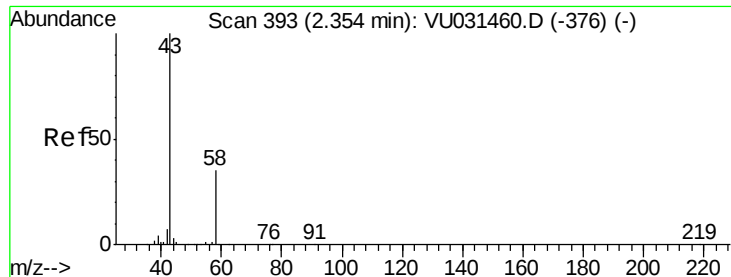


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 128.812 ug/L

RT: 2.35 min Scan# 393

Delta R.T. 0.00 min

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ClientSampleId :

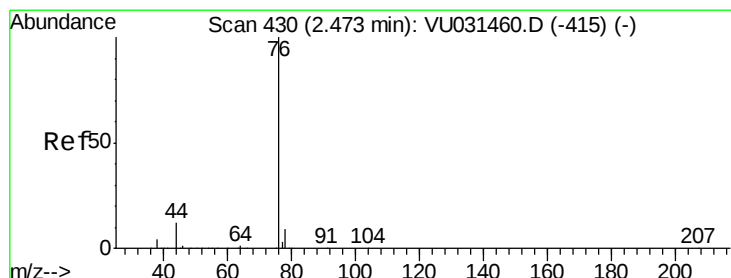
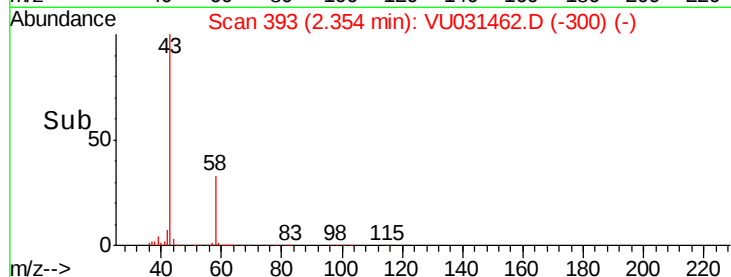
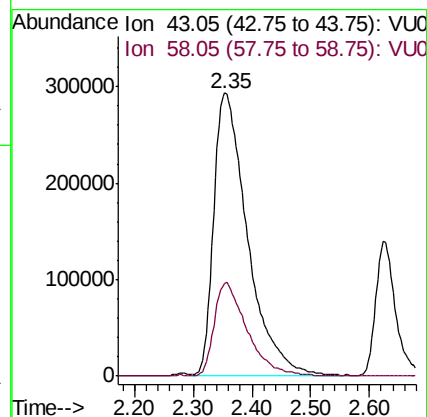
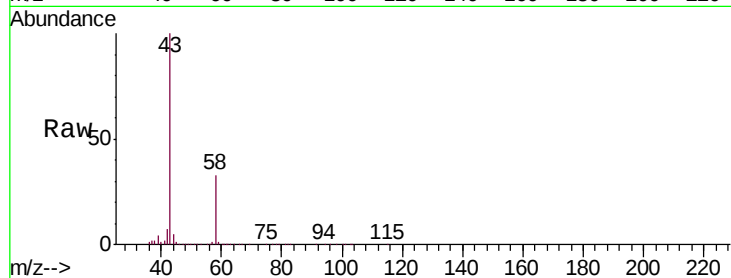
VSTD02008

Tgt Ion: 43 Resp: 1164620

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.4



#14

Carbon disulfide

Concen: 13.405 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031462.D

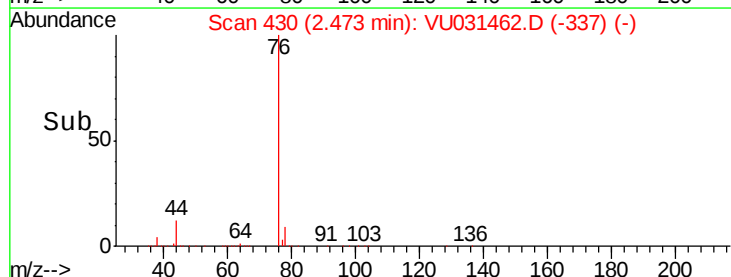
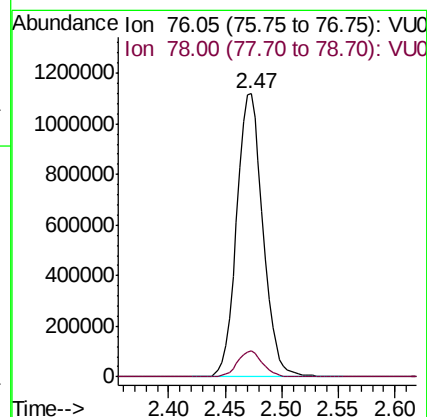
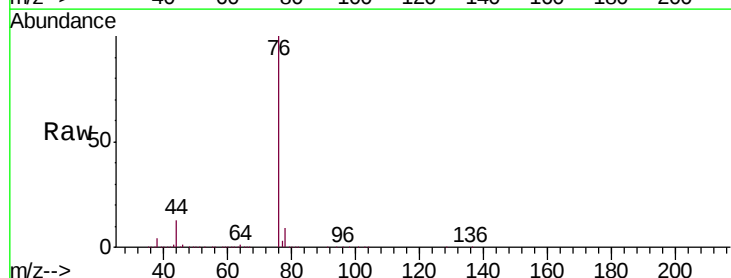
Acq: 24 Apr 2019 11:33

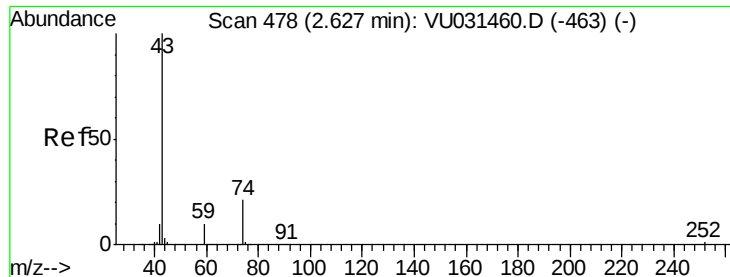
Tgt Ion: 76 Resp: 1810850

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 12.895 ug/L

RT: 2.62 min Scan# 477

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

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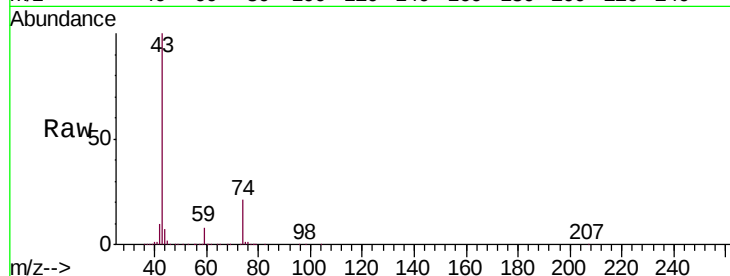
VSTD02008

Tgt Ion: 43 Resp: 323599

Ion Ratio Lower Upper

43 100

74 20.8 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU031462.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU031462.D (-463) (-)

2.62

150000

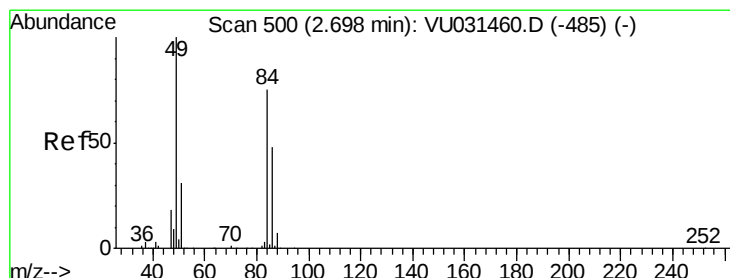
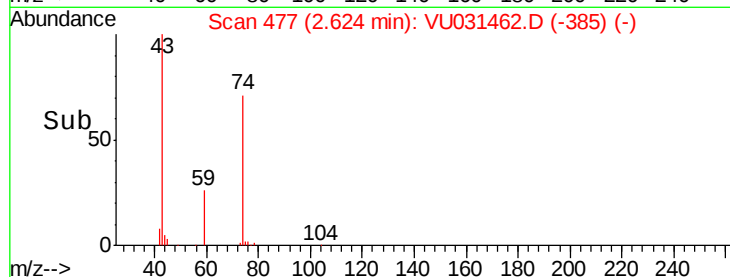
100000

50000

0

2.50 2.60 2.70 2.80

Time-->



#16

Methylene chloride

Concen: 11.951 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

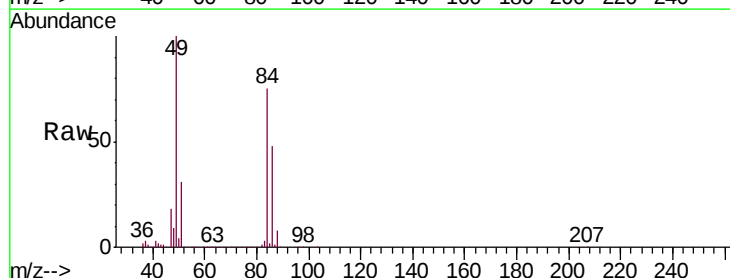
Tgt Ion: 84 Resp: 590565

Ion Ratio Lower Upper

84 100

86 64.1 44.9 83.5

49 132.6 92.9 172.5



Abundance Ion 84.05 (83.75 to 84.75): VU031462.D (-485) (-)

Ion 86.00 (85.70 to 86.70): VU031462.D (-485) (-)

Ion 49.10 (48.80 to 49.80): VU031462.D (-485) (-)

2.69

500000

400000

300000

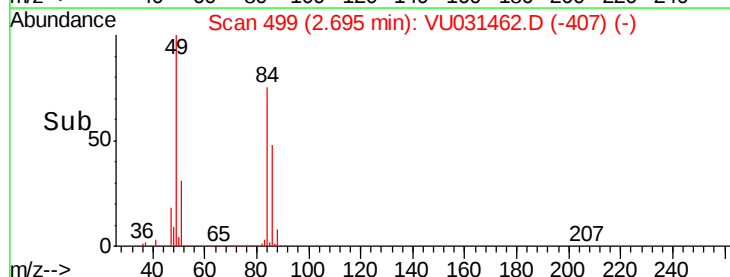
200000

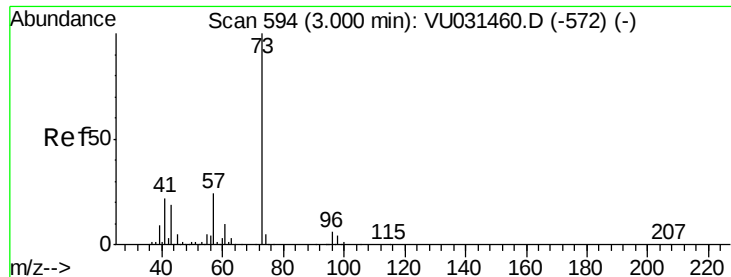
100000

0

2.60 2.70 2.80

Time-->





#17

Methyl tert-butyl Ether

Concen: 14.015 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

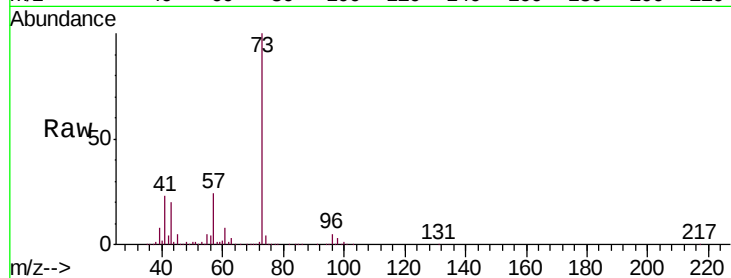
Tgt Ion: 73 Resp: 1539111

Ion Ratio Lower Upper

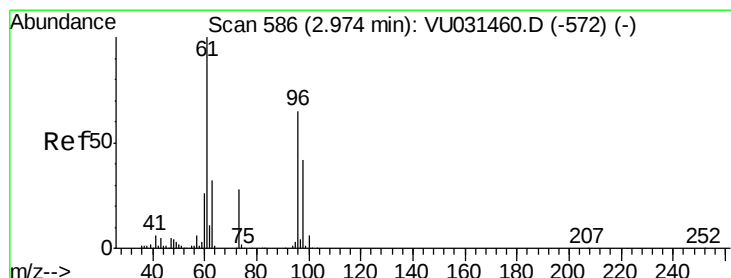
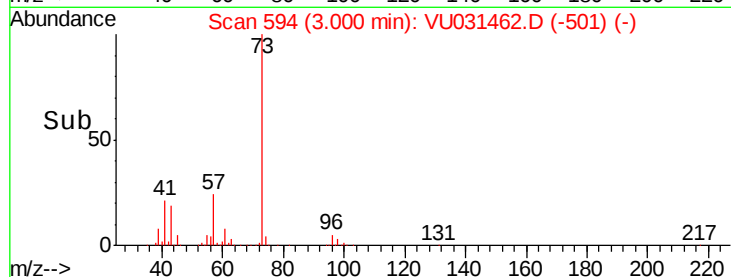
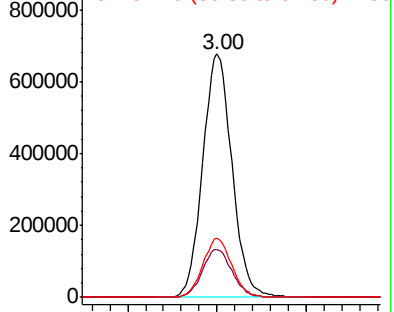
73 100

43 19.8 15.4 23.0

57 24.1 19.1 28.7



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



#18

trans-1,2-Dichloroethene

Concen: 13.422 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

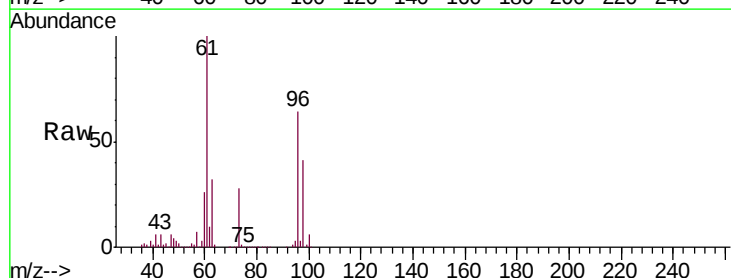
Tgt Ion: 96 Resp: 576478

Ion Ratio Lower Upper

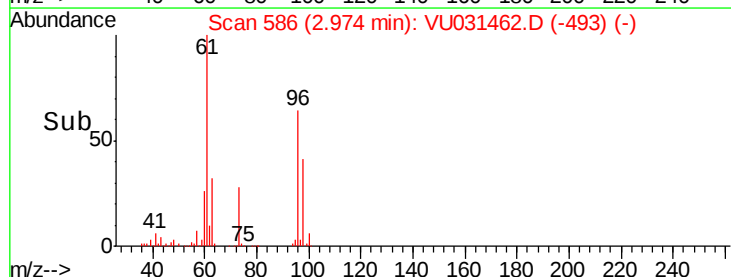
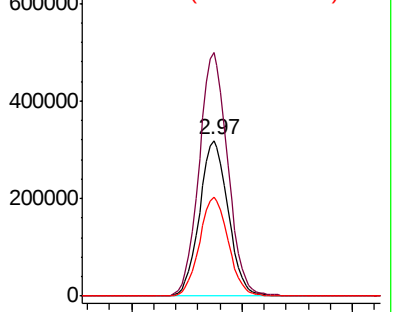
96 100

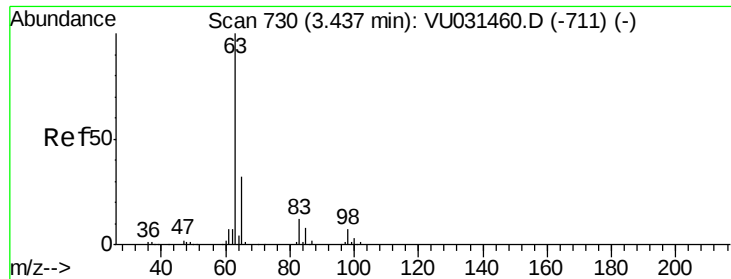
61 156.7 108.4 201.2

98 63.5 45.1 83.9



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

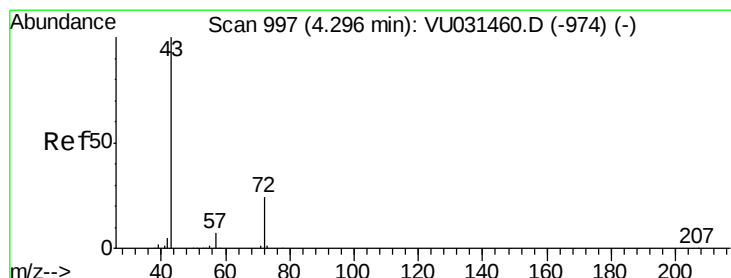
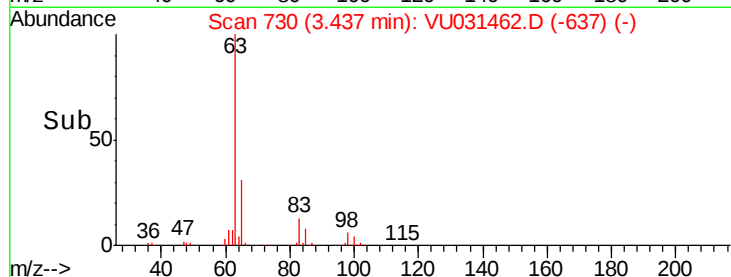
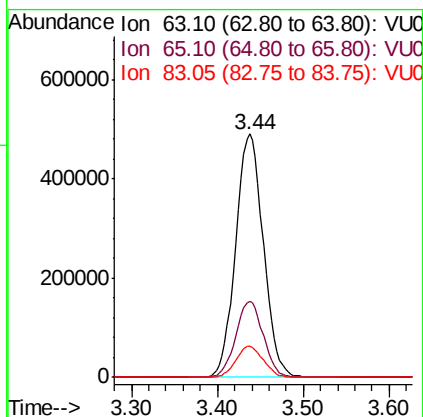
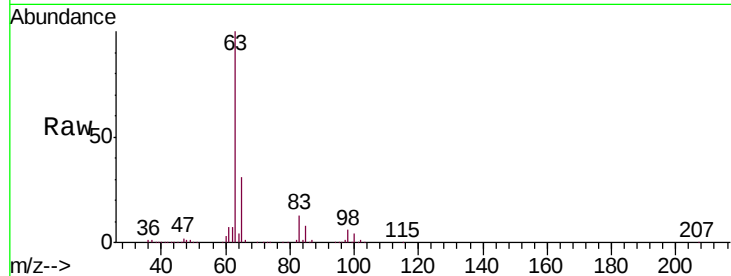




#19
 1,1-Dichloroethane
 Concen: 18.127 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

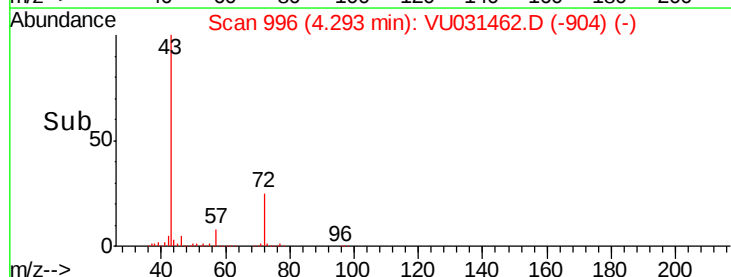
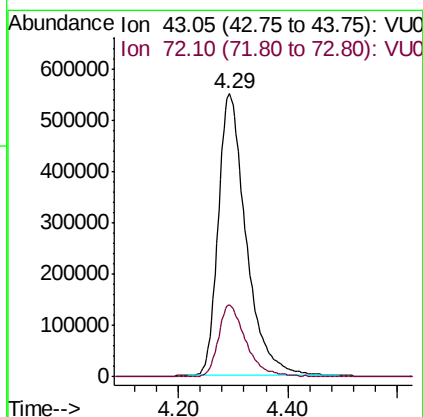
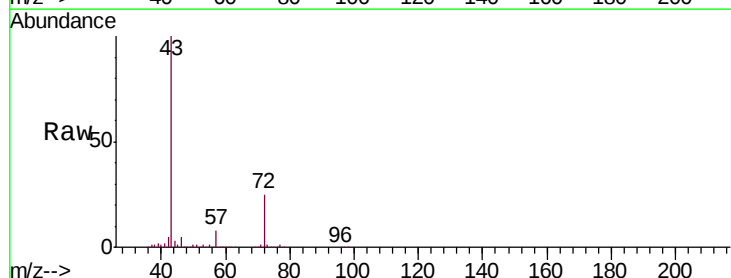
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

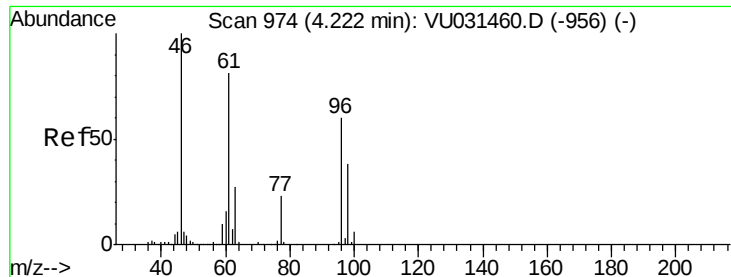
Tgt Ion: 63 Resp: 1094750
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 12.8 8.5 15.9



#21
 2-Butanone
 Concen: 194.712 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion: 43 Resp: 1940558
 Ion Ratio Lower Upper
 43 100
 72 24.4 11.7 35.0



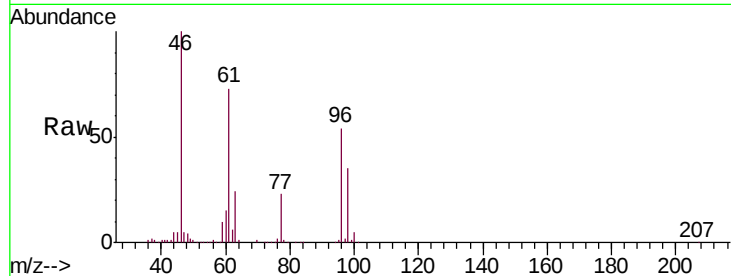


#22

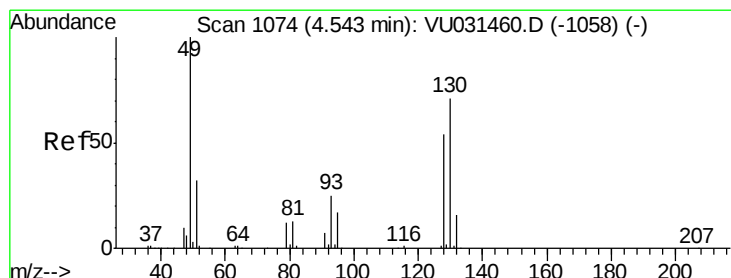
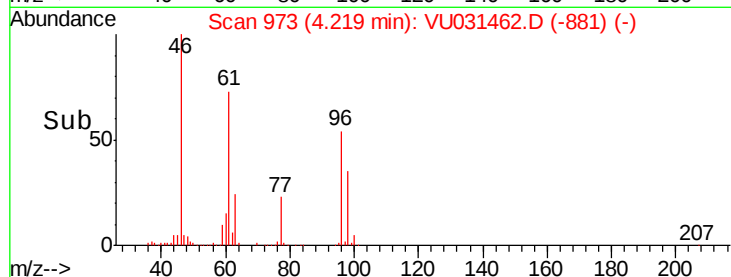
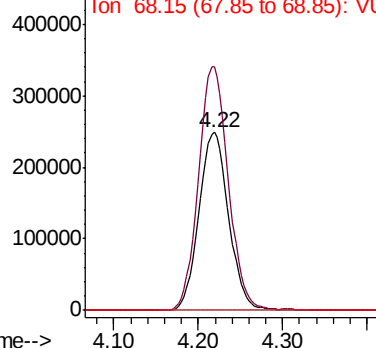
cis-1,2-Dichloroethene
Concen: 17.560 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031462.D
Acq: 24 Apr 2019 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD02008

Tgt Ion: 96 Resp: 609523
Ion Ratio Lower Upper
96 100
61 136.6 94.8 176.2
68 0.0 0.0 0.0



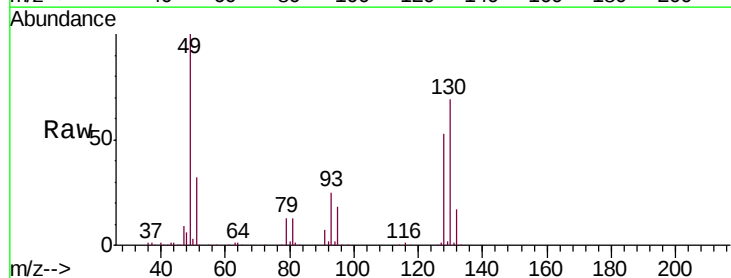
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



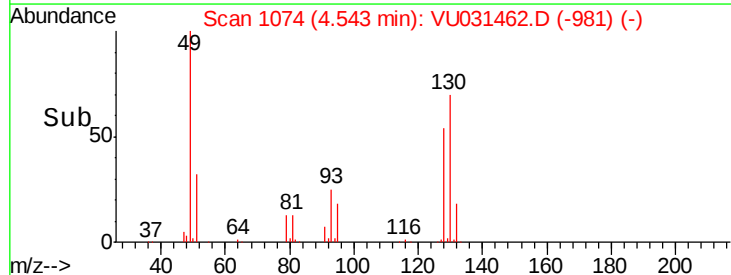
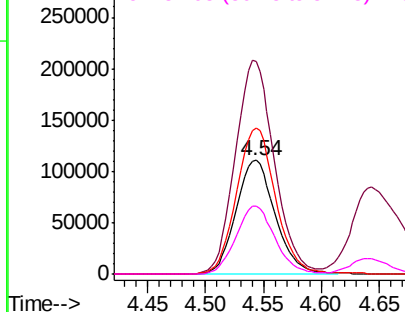
#23

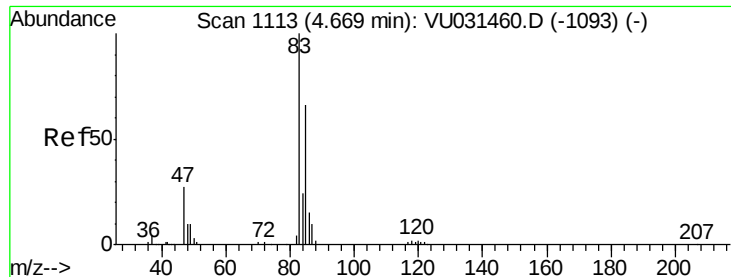
Bromochloromethane
Concen: 16.913 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031462.D
Acq: 24 Apr 2019 11:33

Tgt Ion: 128 Resp: 259278
Ion Ratio Lower Upper
128 100
49 187.5 128.9 239.3
130 128.9 91.2 169.4
51 59.8 47.4 71.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 16.747 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

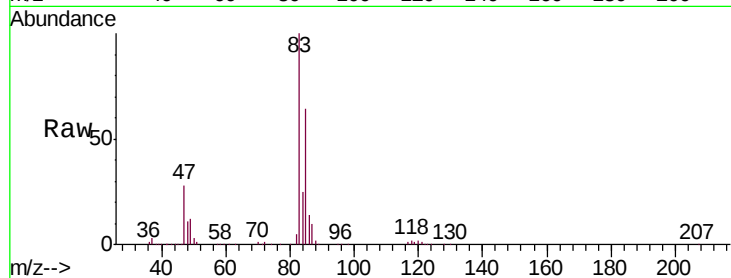
VSTD02008

Tgt Ion: 83 Resp: 1023394

Ion Ratio Lower Upper

83 100

85 63.8 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU031462.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU031462.D (-1093) (-)

4.67

400000

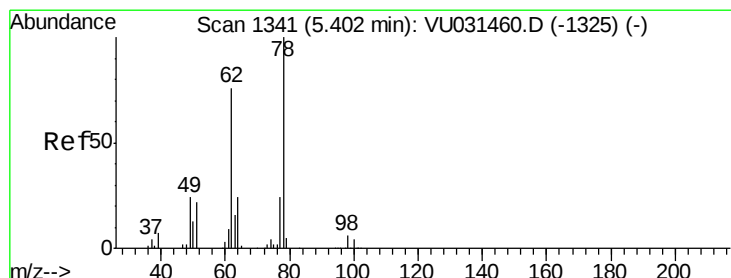
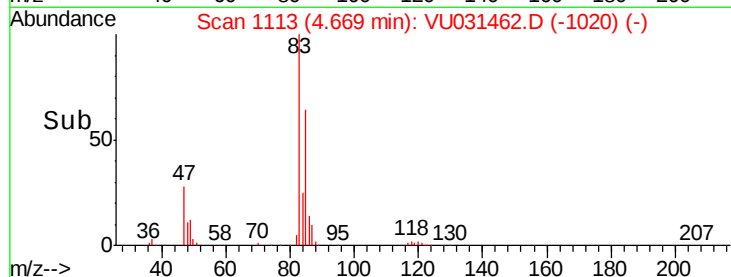
300000

200000

100000

0

Time--> 4.50 4.60 4.70 4.80



#27

1,2-Dichloroethane

Concen: 17.018 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031462.D

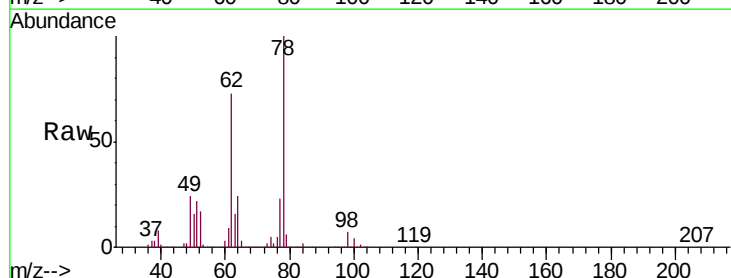
Acq: 24 Apr 2019 11:33

Tgt Ion: 62 Resp: 672821

Ion Ratio Lower Upper

62 100

98 8.9 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU031462.D (-1248) (-)

Ion 98.05 (97.75 to 98.75): VU031462.D (-1248) (-)

5.40

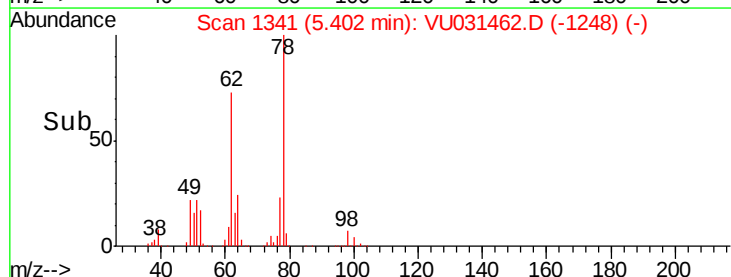
300000

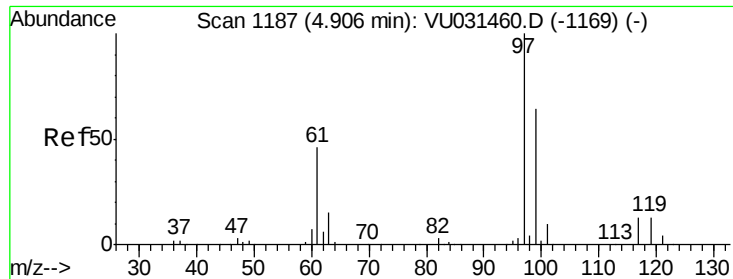
200000

100000

0

Time--> 5.30 5.40 5.50

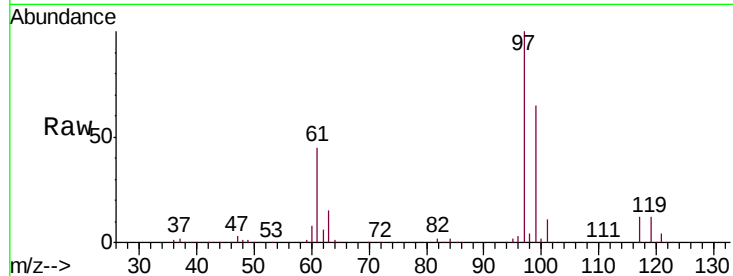




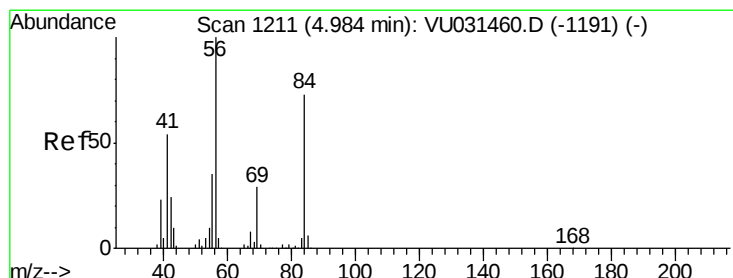
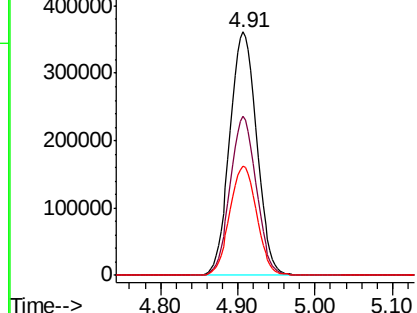
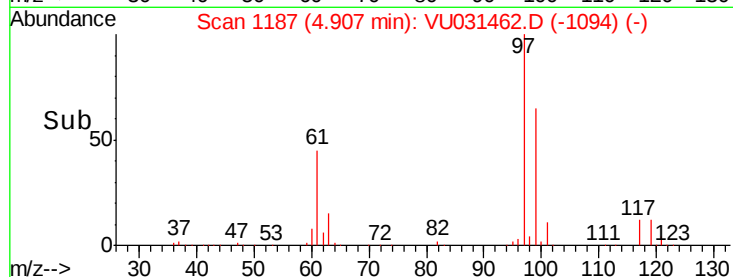
#29
 1,1,1-Trichloroethane
 Concen: 17.986 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

Tgt Ion: 97 Resp: 873465
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.2 75.2
 61 44.9 37.0 55.4

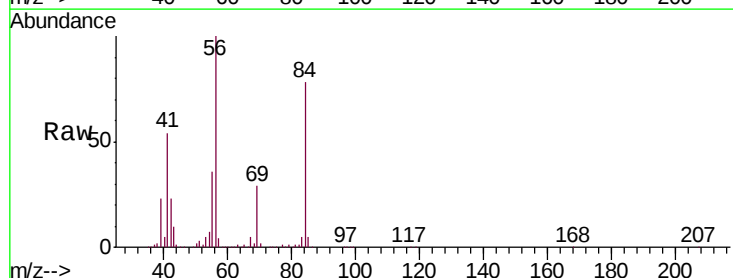


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

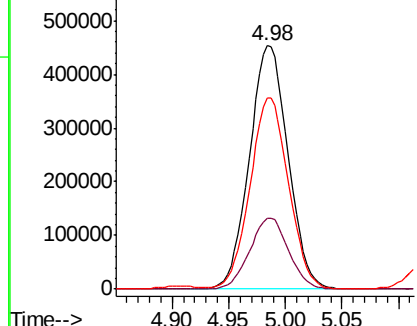
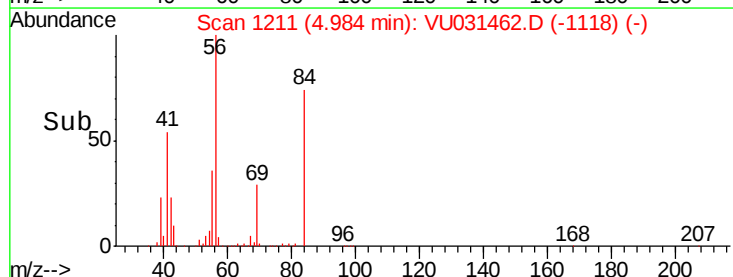


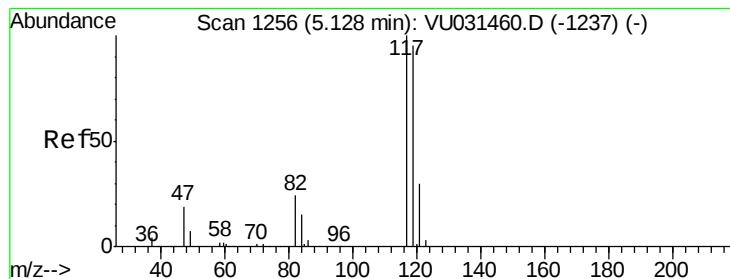
#30
 Cyclohexane
 Concen: 20.922 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion: 56 Resp: 1077492
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.3 34.9
 84 78.2 61.0 91.6



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: 17.125 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

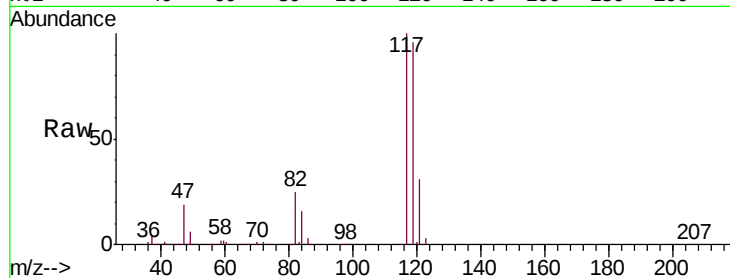
VSTD02008

Tgt Ion:117 Resp: 747249

Ion Ratio Lower Upper

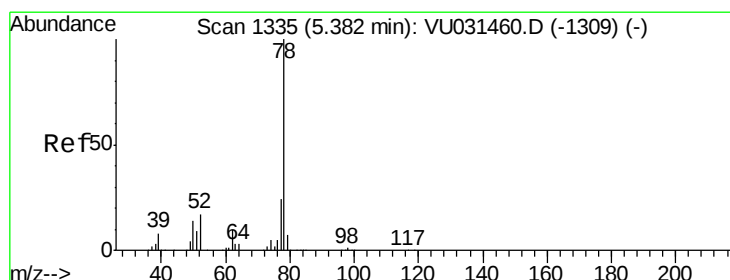
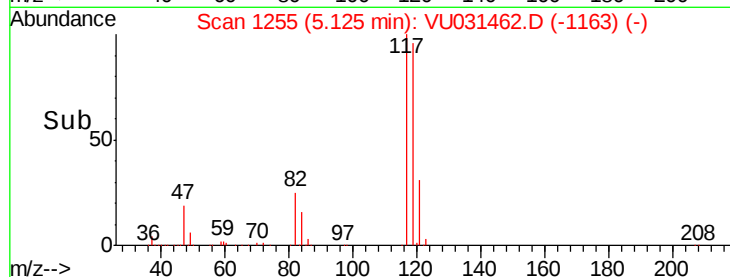
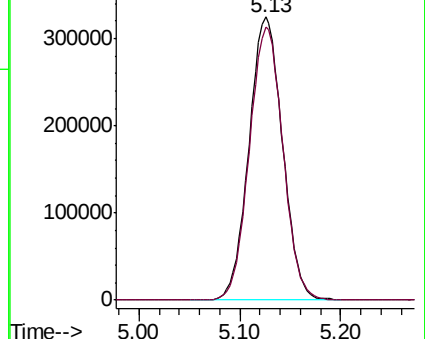
117 100

119 96.4 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 18.951 ug/L

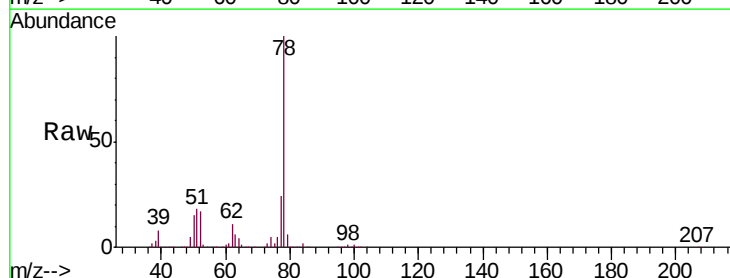
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

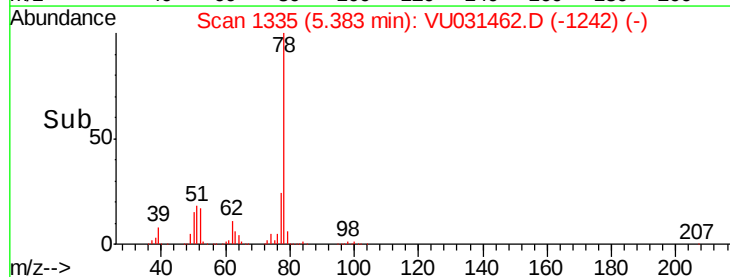
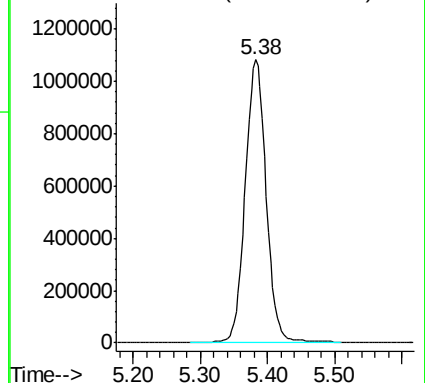
Lab File: VU031462.D

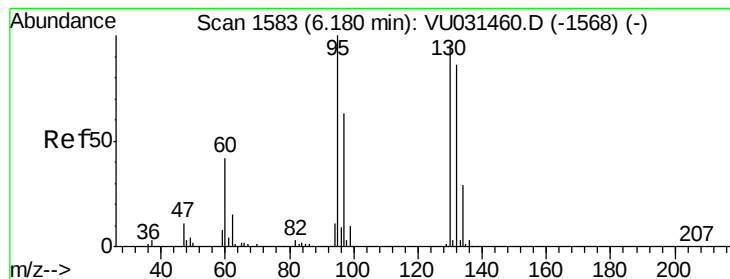
Acq: 24 Apr 2019 11:33

Tgt Ion: 78 Resp: 2347753



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 17.975 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

Tgt Ion: 95 Resp: 606295

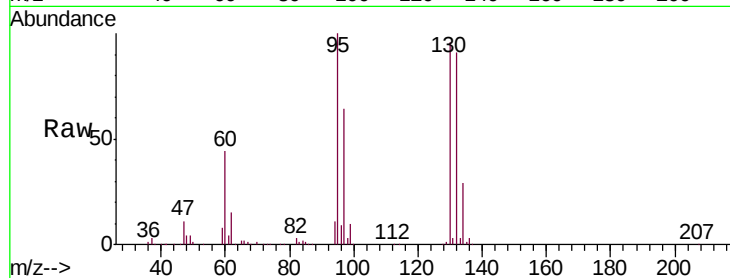
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 91.5 59.9 111.3

130 95.5 67.1 124.5

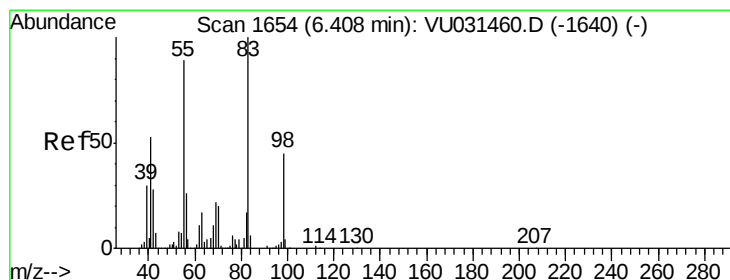
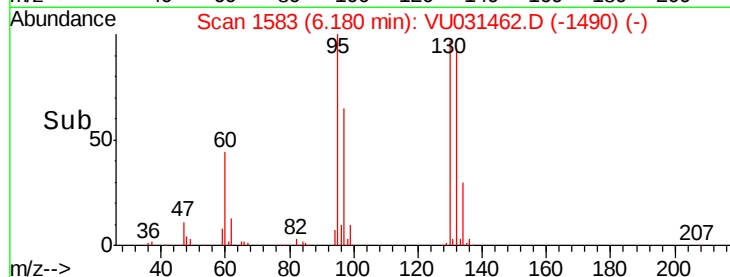
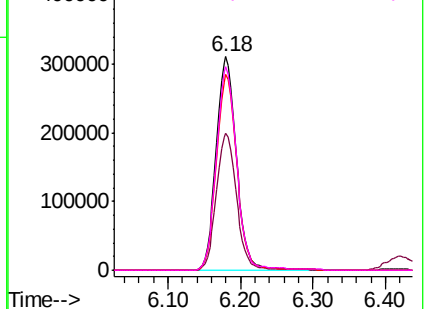


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.971 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

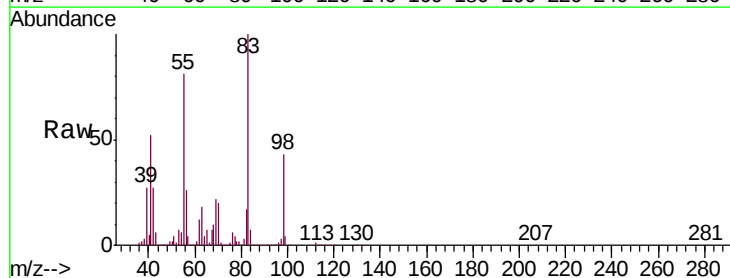
Tgt Ion: 83 Resp: 984149

Ion Ratio Lower Upper

83 100

55 84.7 71.1 106.7

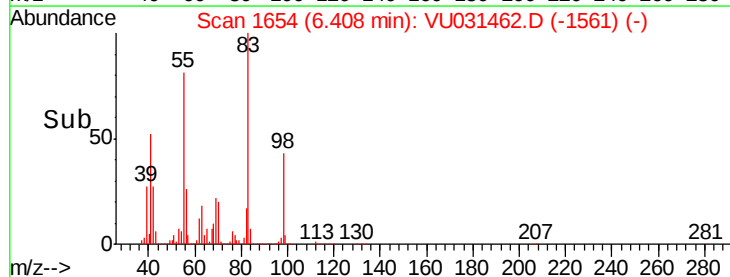
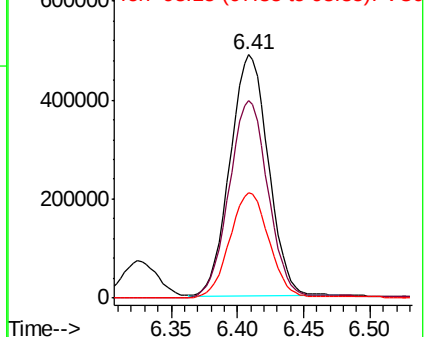
98 44.8 36.6 54.8

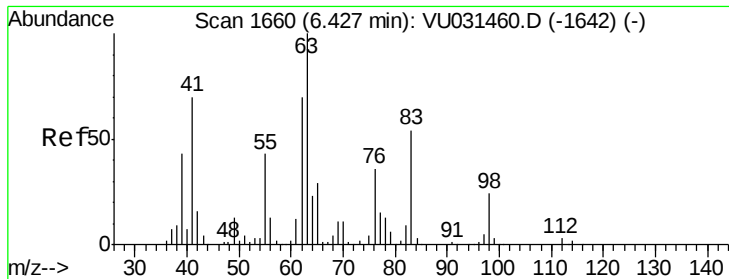


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

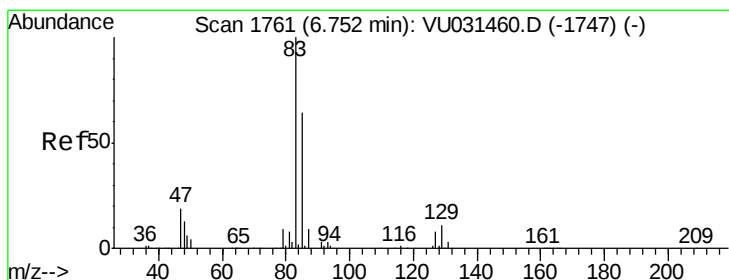
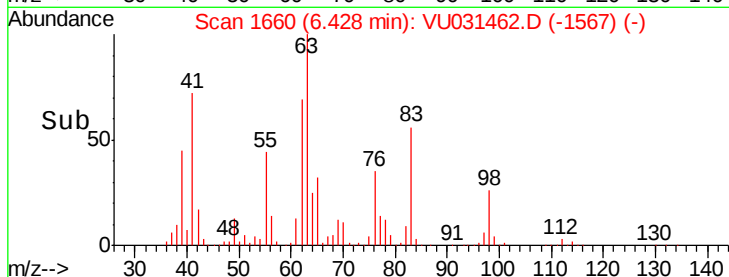
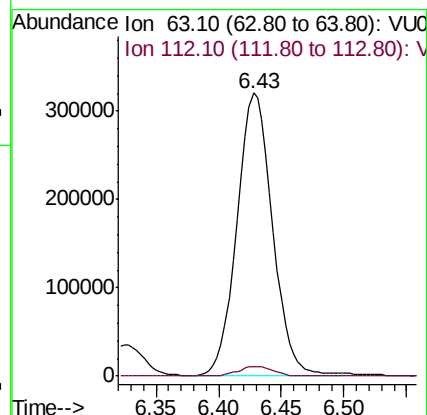
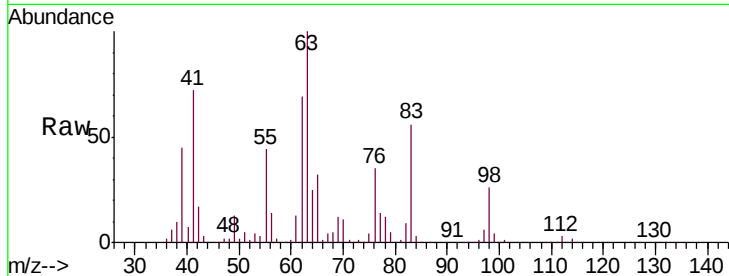




#37
 1,2-Dichloropropane
 Concen: 19.018 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

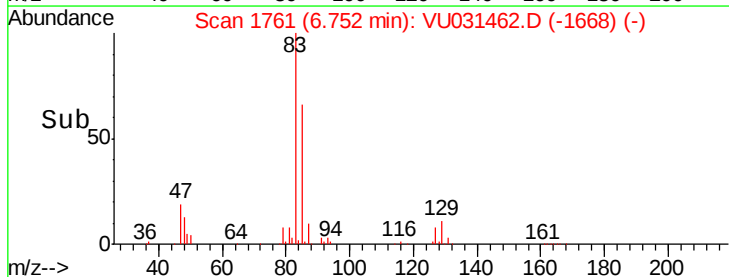
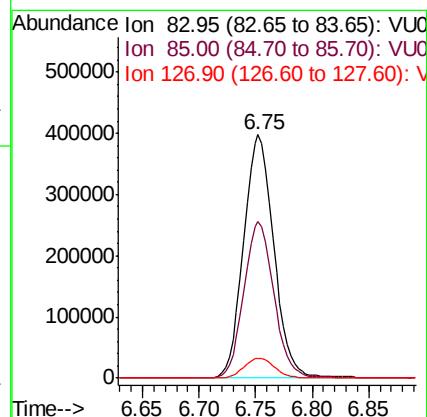
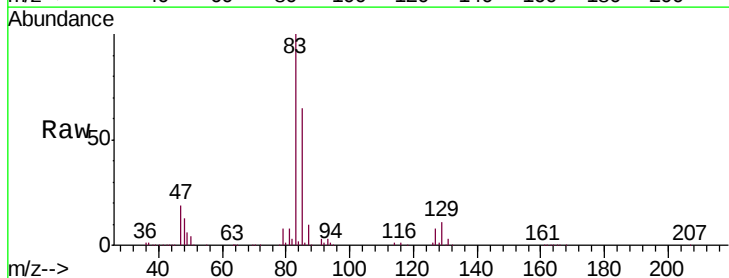
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

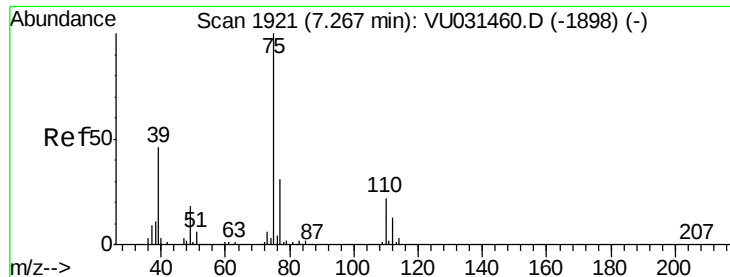
Tgt Ion: 63 Resp: 626539
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6



#38
 Bromodichloromethane
 Concen: 18.279 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion: 83 Resp: 736895
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.8 83.2
 127 8.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 21.123 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

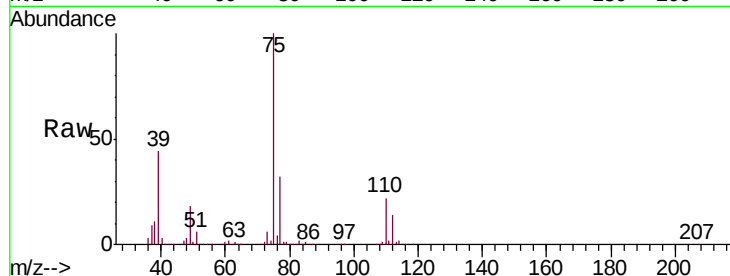
VSTD02008

Tgt Ion: 75 Resp: 928165

Ion Ratio Lower Upper

75 100

77 32.0 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU031462.D (-1898) (-)

Ion 77.05 (76.75 to 77.75): VU031462.D (-1898) (-)

7.26

500000

400000

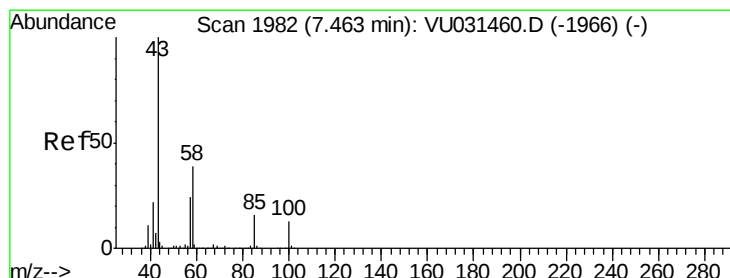
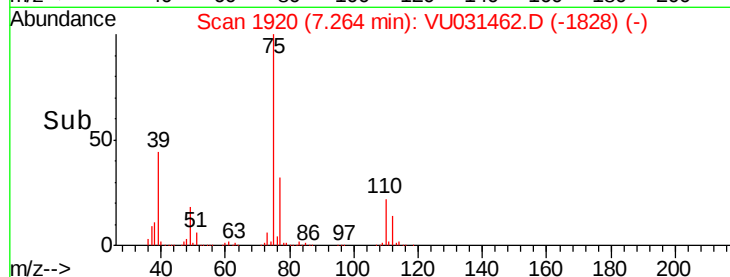
300000

200000

100000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 207.653 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

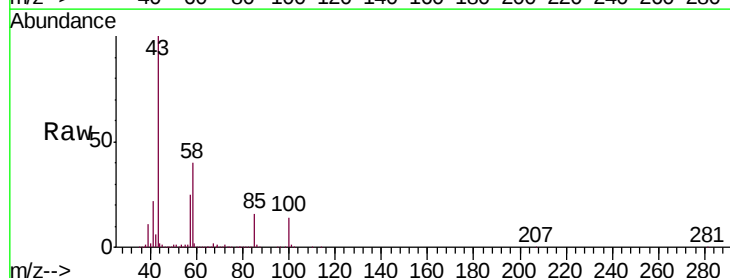
Tgt Ion: 43 Resp: 4430485

Ion Ratio Lower Upper

43 100

58 39.6 31.6 47.4

100 13.4 10.6 15.8



Abundance Ion 43.05 (42.75 to 43.75): VU031462.D (-1889) (-)

Ion 58.05 (57.75 to 58.75): VU031462.D (-1889) (-)

Ion 100.15 (99.85 to 100.85): VU031462.D (-1889) (-)

7.46

3000000

2500000

2000000

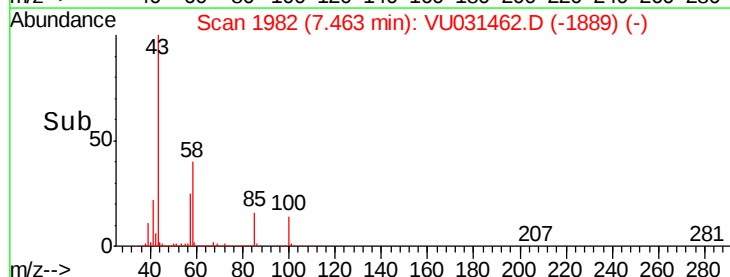
1500000

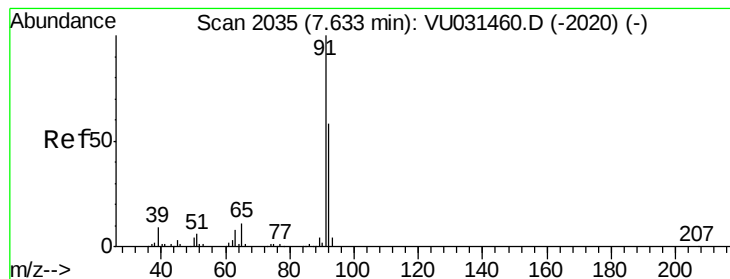
1000000

500000

0

Time-->





#42

Toluene

Concen: 19.555 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

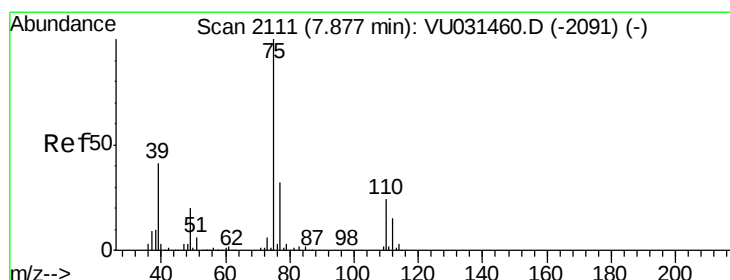
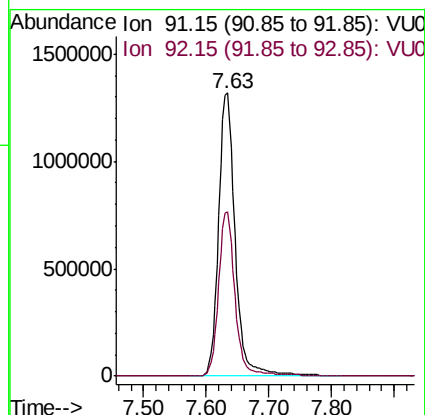
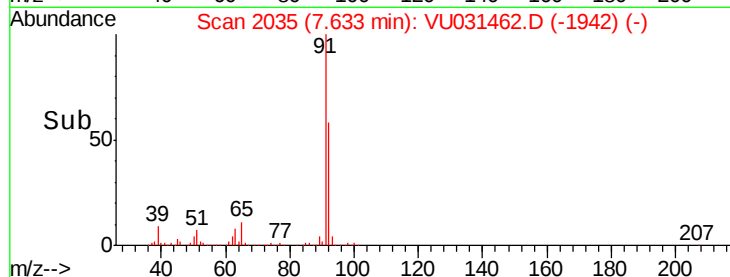
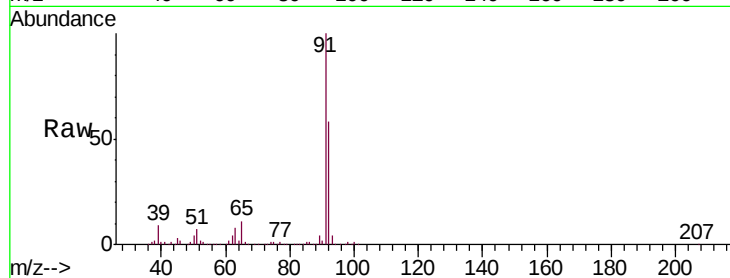
VSTD02008

Tgt Ion: 91 Resp: 2433874

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 20.229 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031462.D

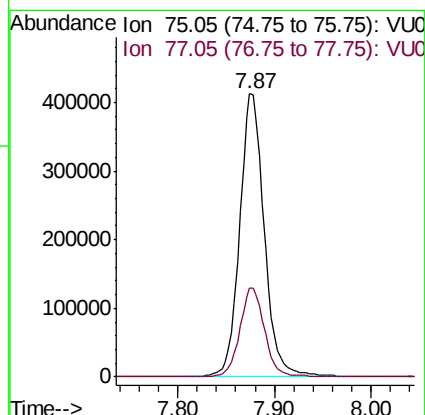
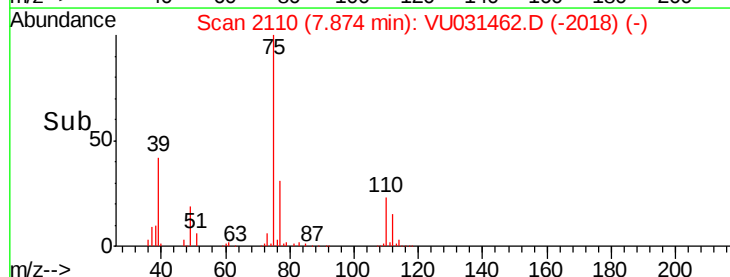
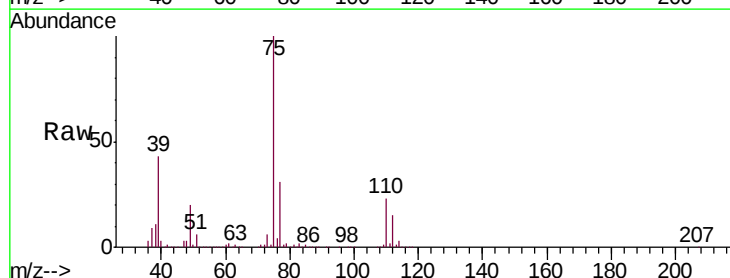
Acq: 24 Apr 2019 11:33

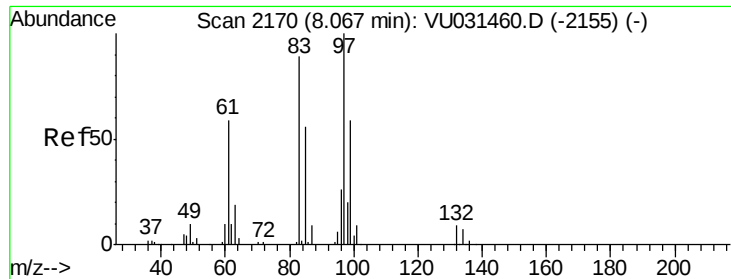
Tgt Ion: 75 Resp: 729414

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 18.070 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

Tgt Ion: 97 Resp: 424735

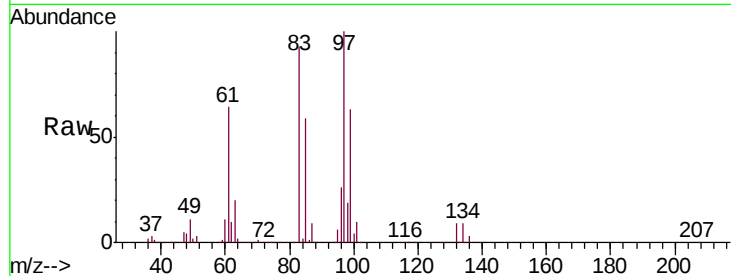
Ion Ratio Lower Upper

97 100

99 63.1 41.2 76.6

83 92.7 62.2 115.4

85 58.5 39.2 72.8

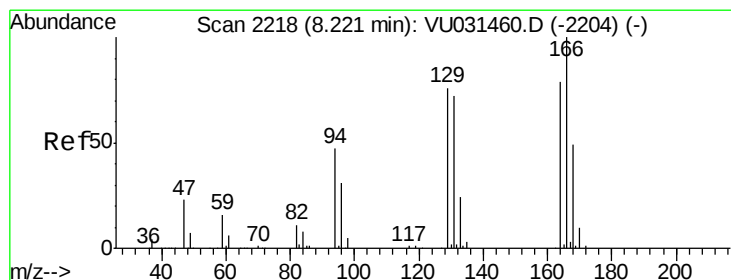
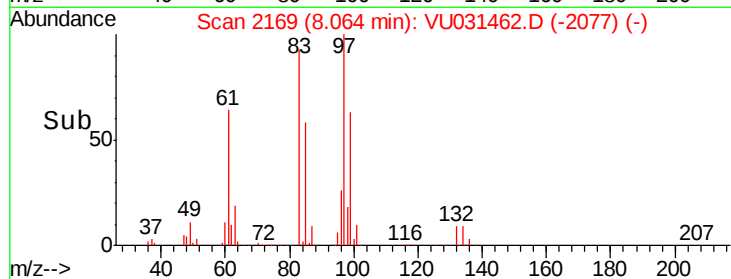
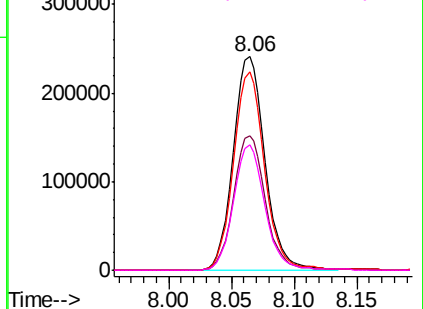


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 17.592 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Tgt Ion: 164 Resp: 436299

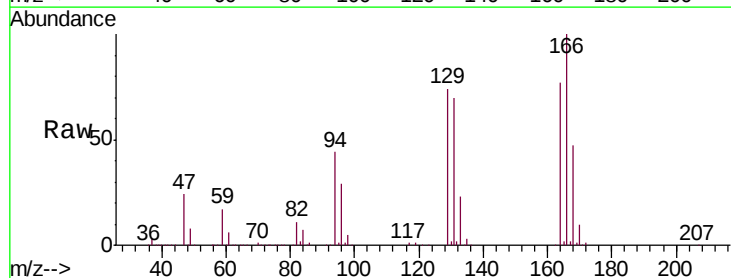
Ion Ratio Lower Upper

164 100

129 95.2 67.5 125.3

131 90.1 64.0 119.0

166 129.2 88.5 164.4

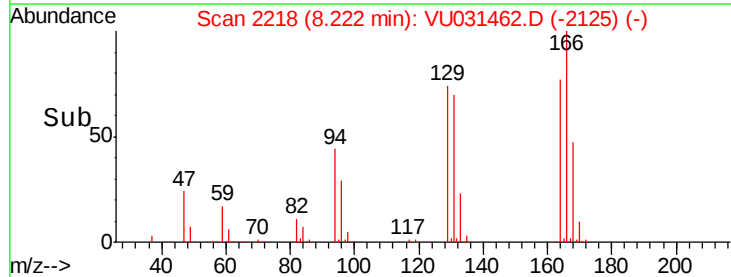
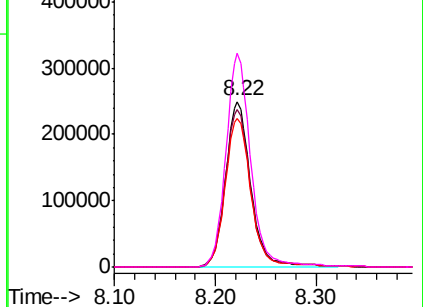


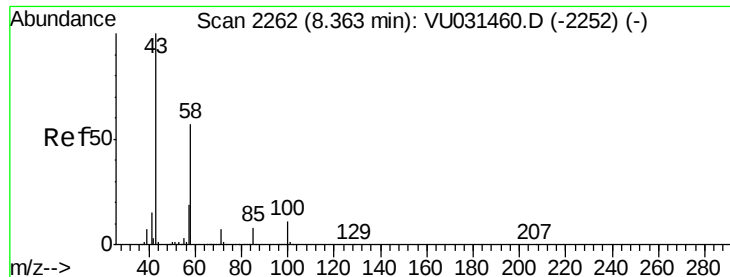
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

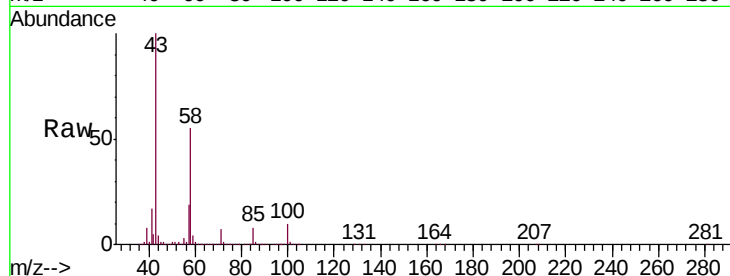




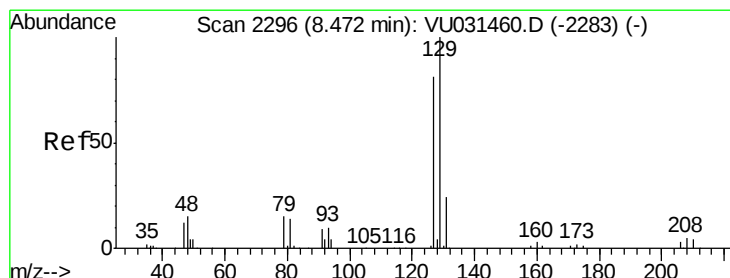
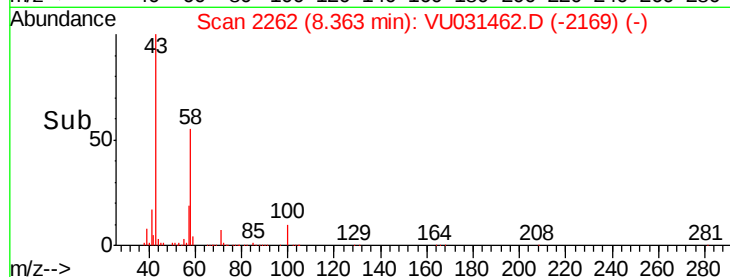
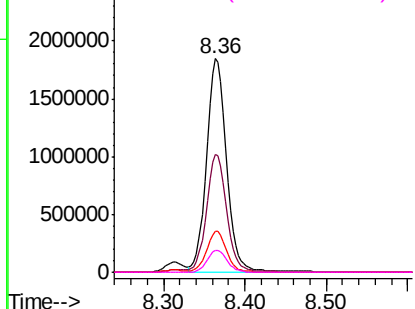
#48
2-Hexanone
Concen: 210.461 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031462.D
Acq: 24 Apr 2019 11:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD02008

Tgt Ion: 43 Resp: 3178249
Ion Ratio Lower Upper
43 100
58 55.6 44.6 67.0
57 19.1 15.3 22.9
100 10.4 8.3 12.5

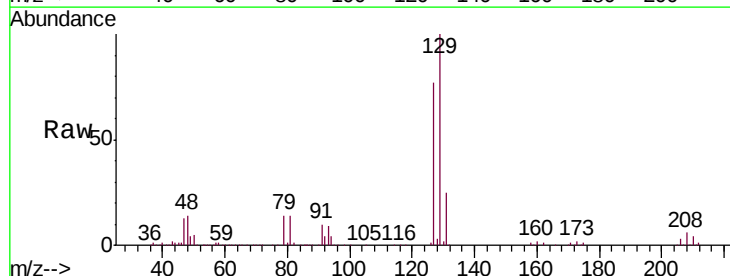


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

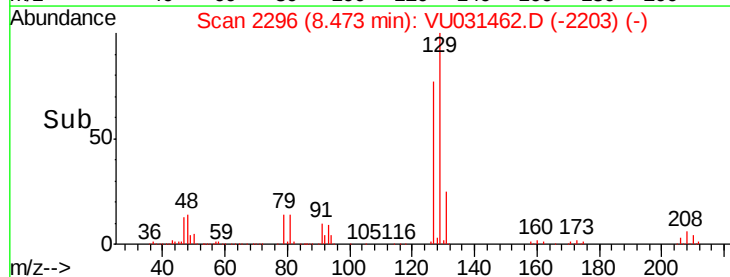
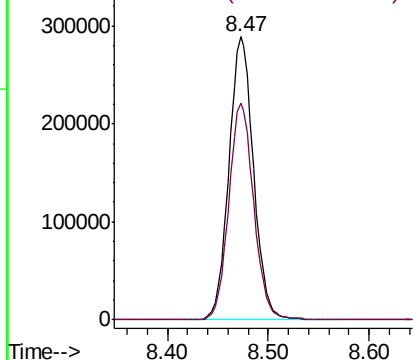


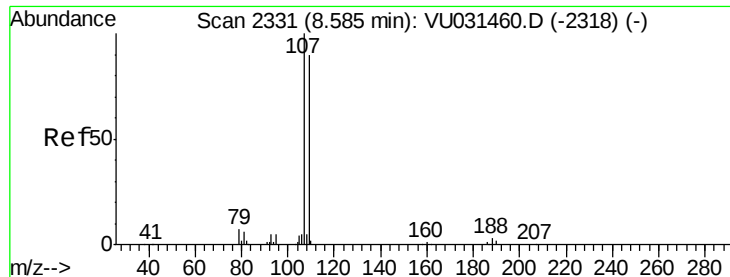
#49
Dibromochloromethane
Concen: 17.851 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031462.D
Acq: 24 Apr 2019 11:33

Tgt Ion: 129 Resp: 490942
Ion Ratio Lower Upper
129 100
127 76.7 56.6 105.0



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

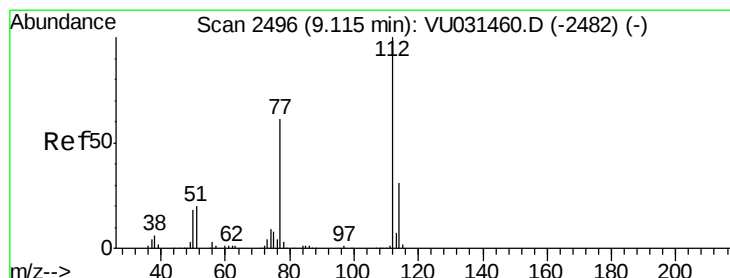
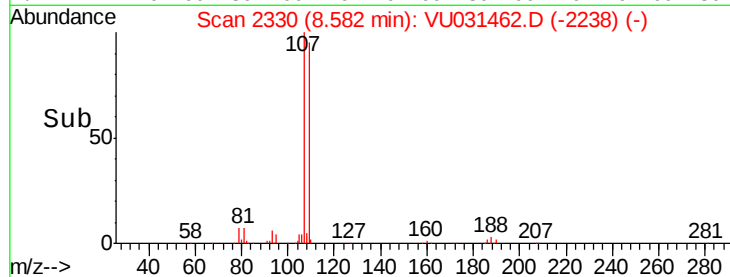
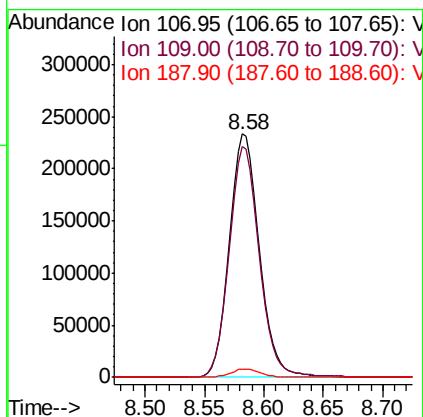
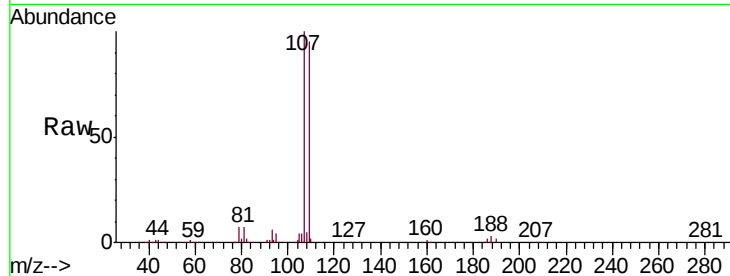




#50
 1,2-Dibromoethane
 Concen: 18.440 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

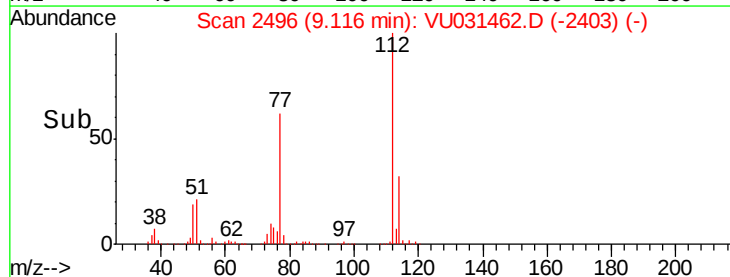
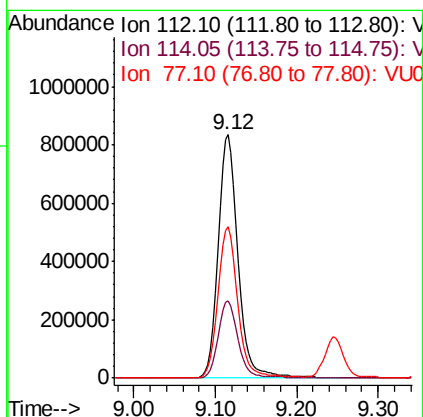
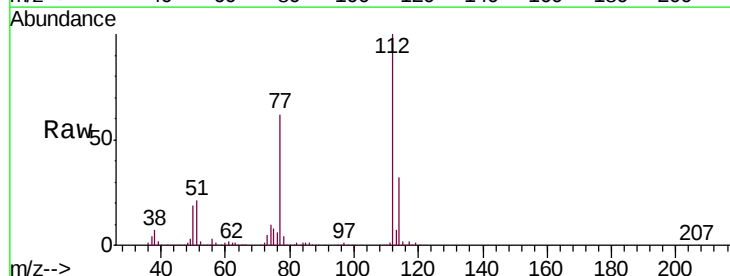
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

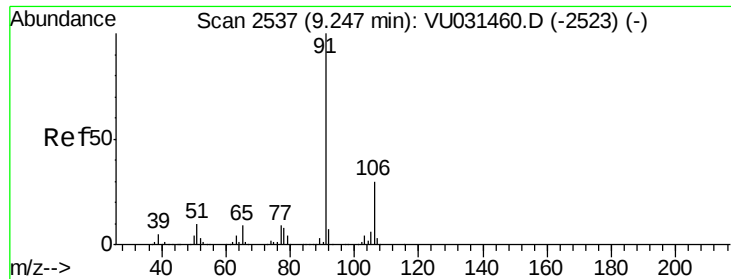
Tgt Ion:107 Resp: 408177
 Ion Ratio Lower Upper
 107 100
 109 94.9 63.1 117.3
 188 3.5 2.2 3.4#



#51
 Chlorobenzene
 Concen: 18.586 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion:112 Resp: 1446072
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.9 40.7
 77 62.2 48.9 73.3





#52

Ethylbenzene

Concen: 20.199 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

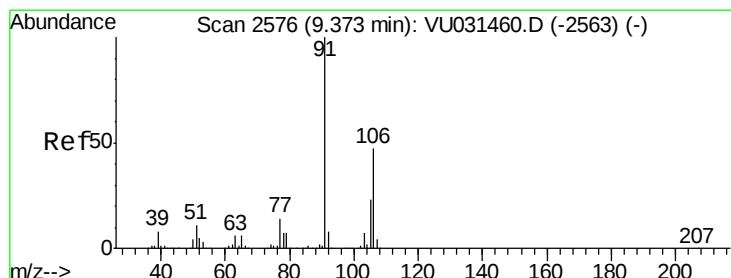
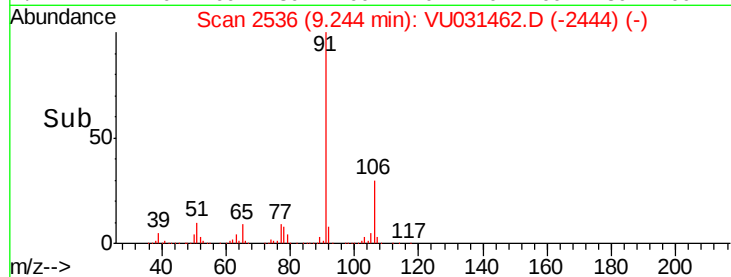
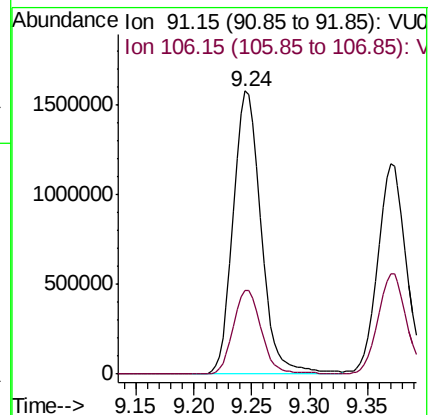
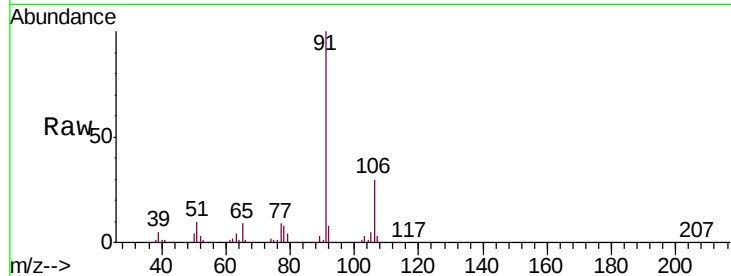
VSTD02008

Tgt Ion: 91 Resp: 2625300

Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.6



#53

m,p-Xylene

Concen: 20.985 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031462.D

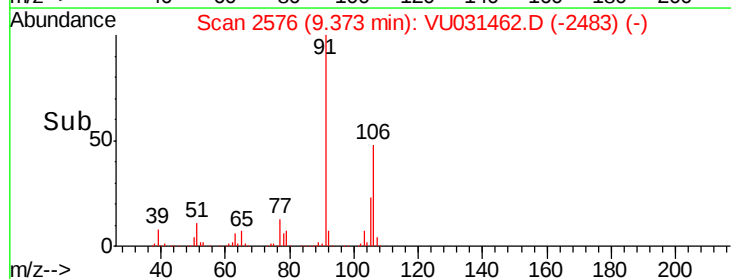
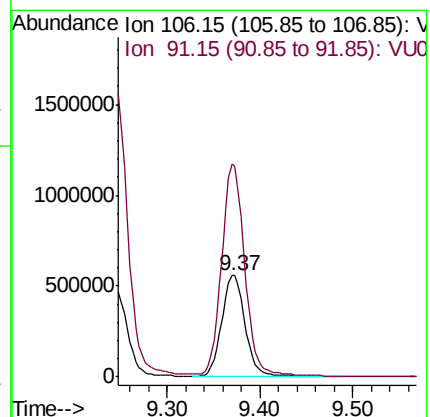
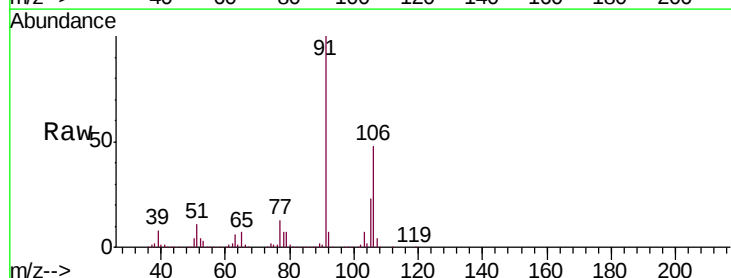
Acq: 24 Apr 2019 11:33

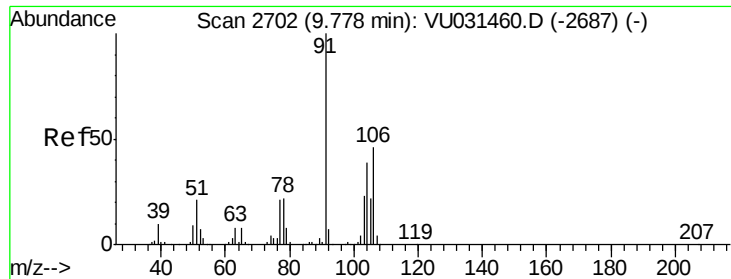
Tgt Ion: 106 Resp: 976419

Ion Ratio Lower Upper

106 100

91 208.3 147.8 274.4





#54

o-Xylene

Concen: 20.642 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

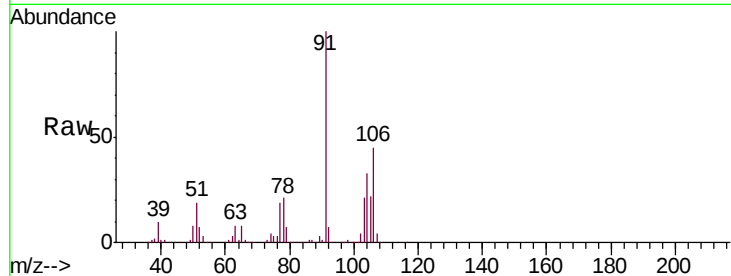
VSTD02008

Tgt Ion:106 Resp: 949644

Ion Ratio Lower Upper

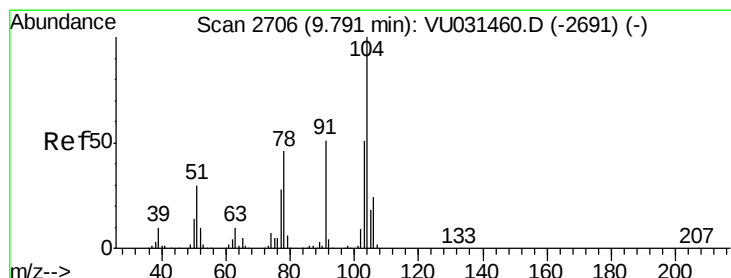
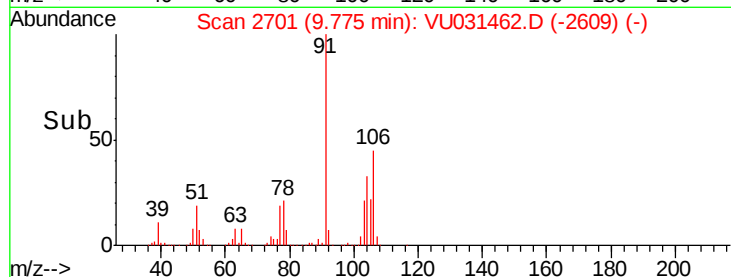
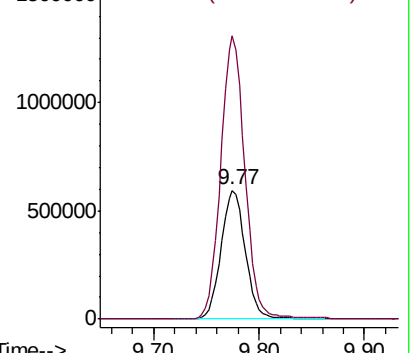
106 100

91 220.1 152.7 283.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 21.496 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031462.D

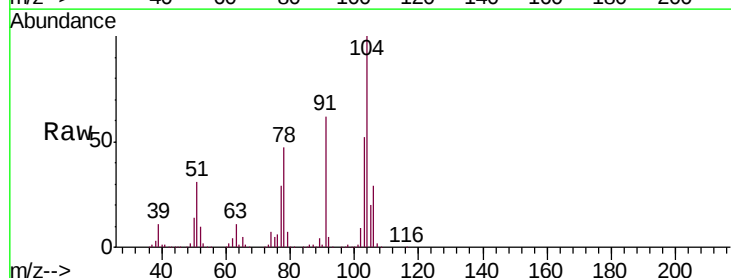
Acq: 24 Apr 2019 11:33

Tgt Ion:104 Resp: 1641484

Ion Ratio Lower Upper

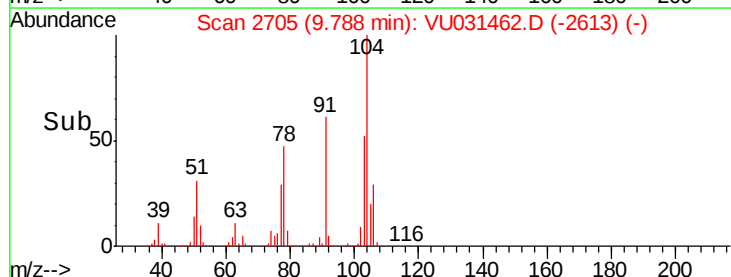
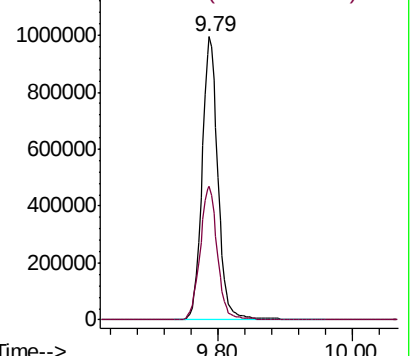
104 100

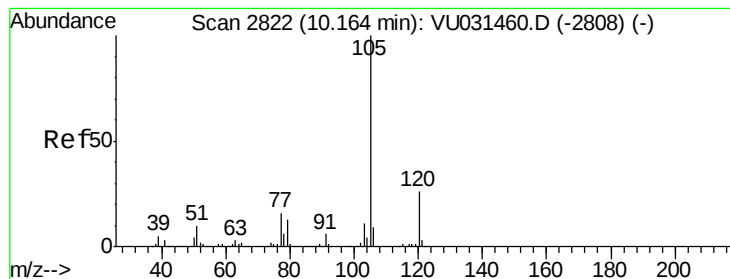
78 47.3 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 20.839 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

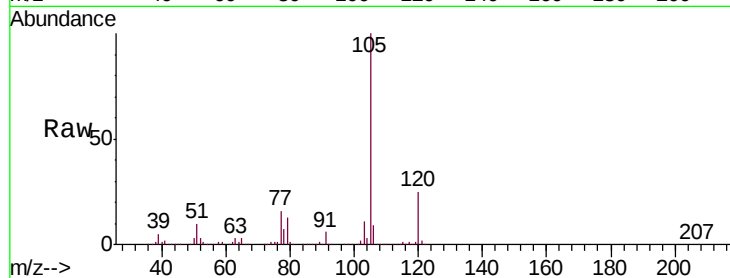
Tgt Ion:105 Resp: 2513708

Ion Ratio Lower Upper

105 100

120 25.1 20.8 31.2

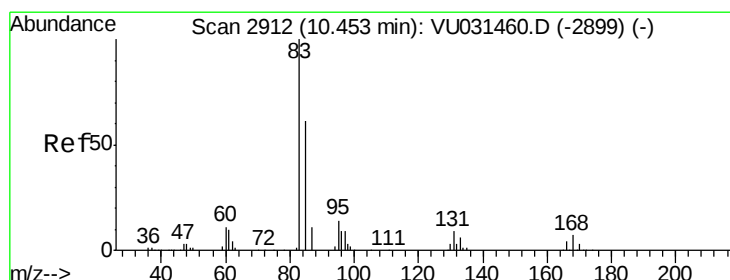
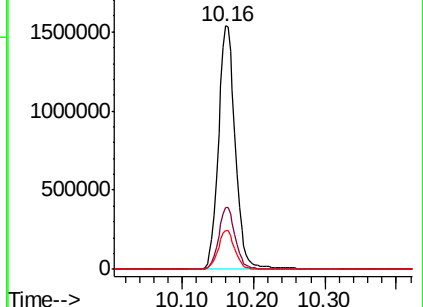
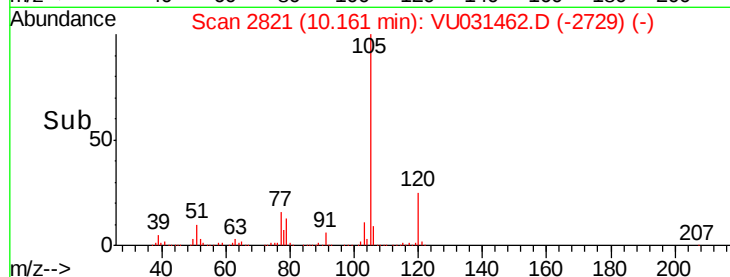
77 15.9 13.2 19.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 18.328 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

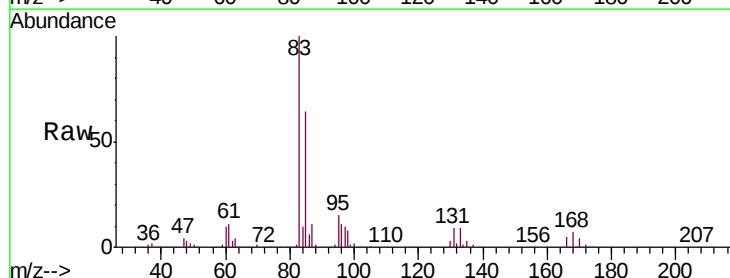
Tgt Ion: 83 Resp: 546856

Ion Ratio Lower Upper

83 100

85 63.9 42.8 79.4

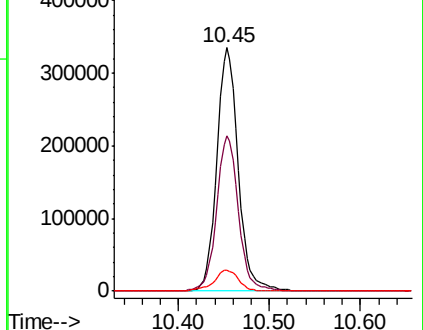
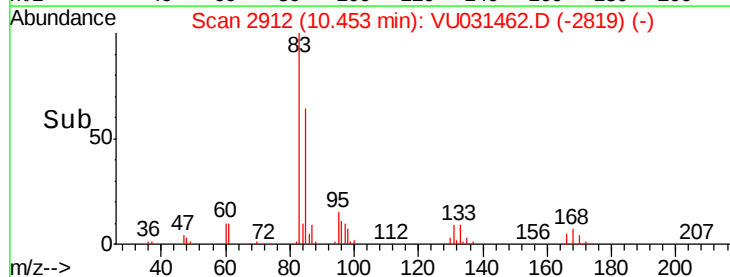
131 8.7 7.0 10.4

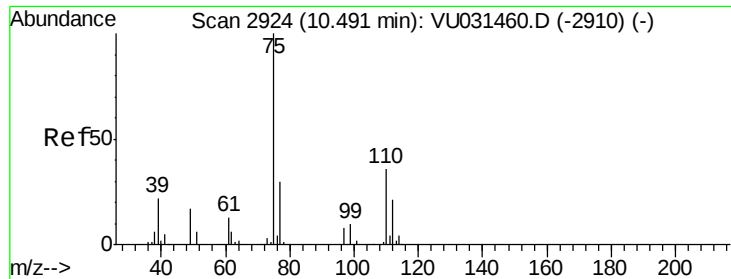


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 18.511 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

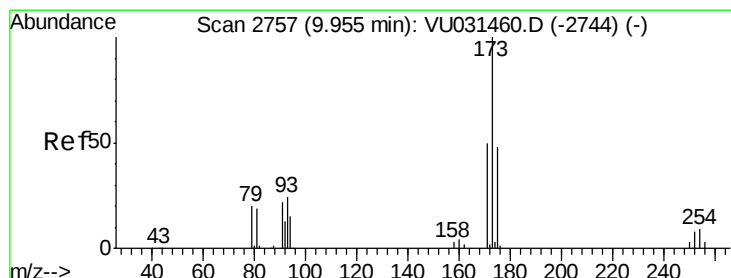
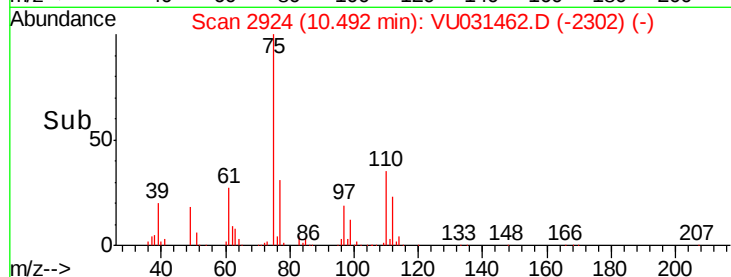
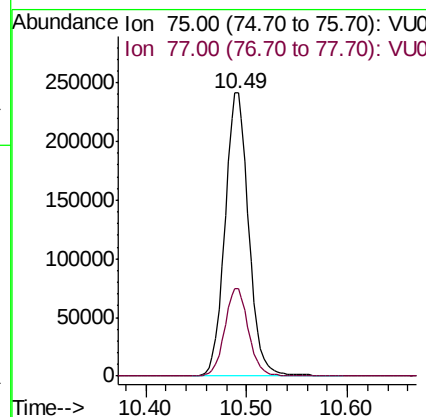
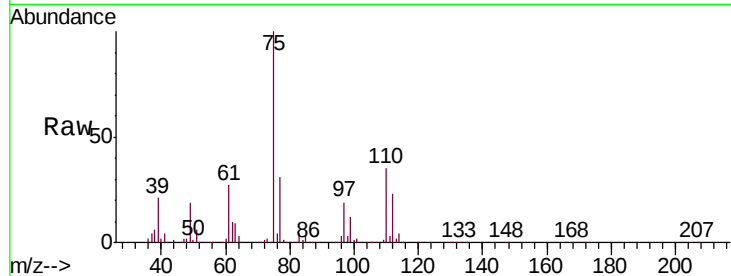
VSTD02008

Tgt Ion: 75 Resp: 397012

Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5



#61

Bromoform

Concen: 16.674 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

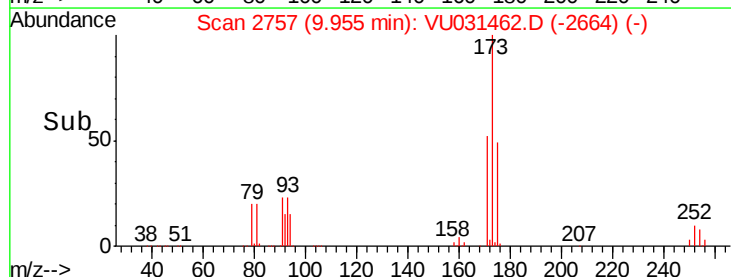
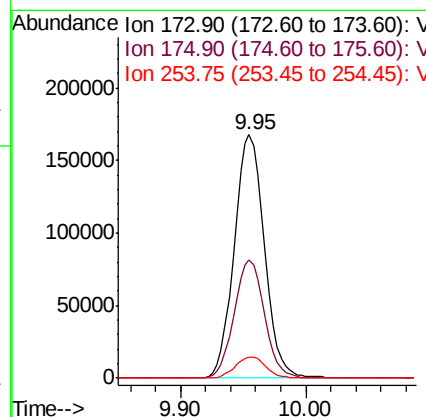
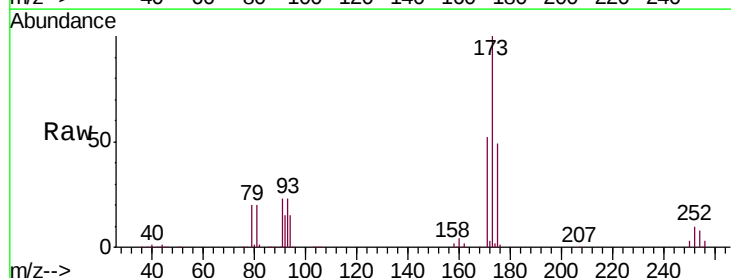
Tgt Ion: 173 Resp: 279678

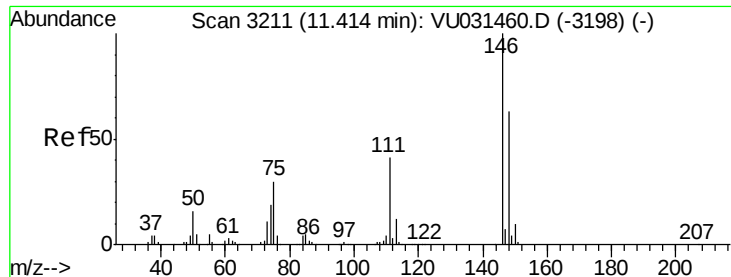
Ion Ratio Lower Upper

173 100

175 48.6 39.9 59.9

254 8.8 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 18.513 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

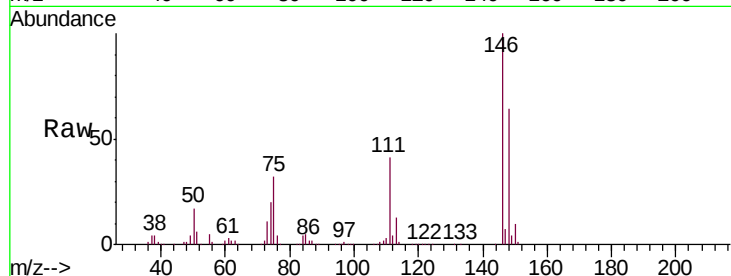
Tgt Ion:146 Resp: 1073604

Ion Ratio Lower Upper

146 100

111 40.9 28.5 52.9

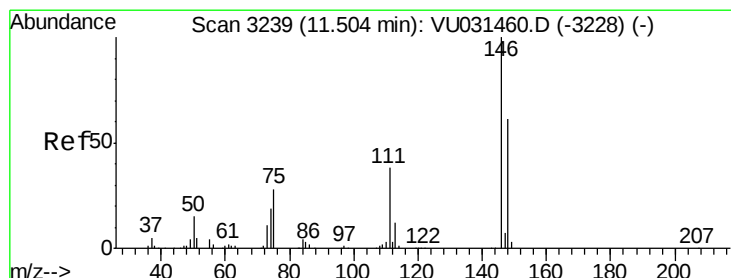
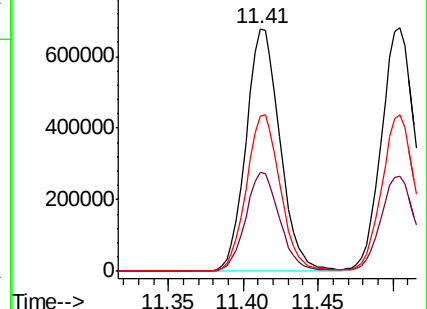
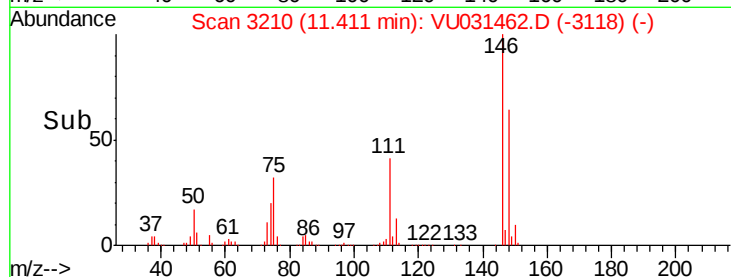
148 64.0 43.8 81.4



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: 18.623 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

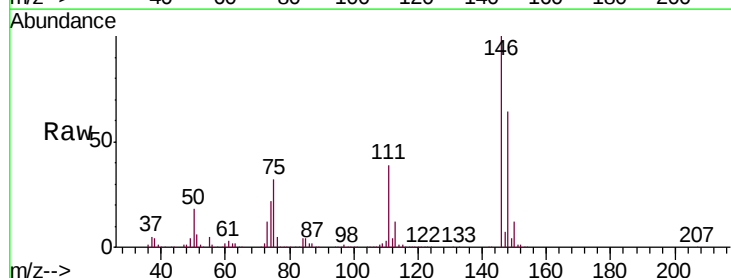
Tgt Ion:146 Resp: 1089213

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.5

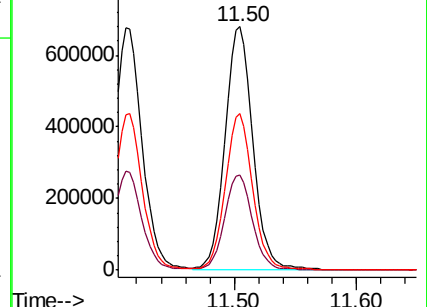
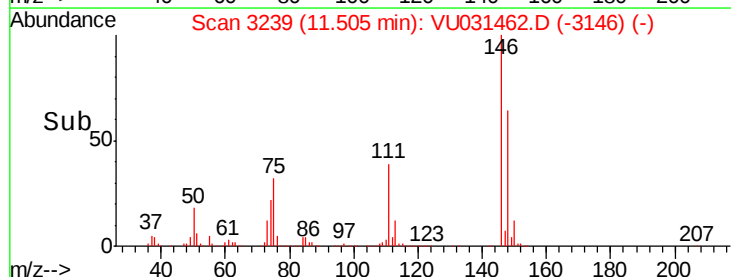
148 64.2 43.3 80.3

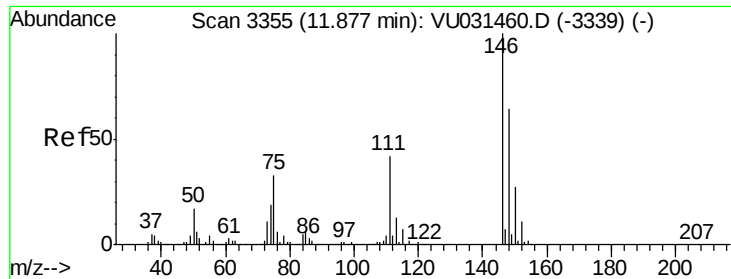


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

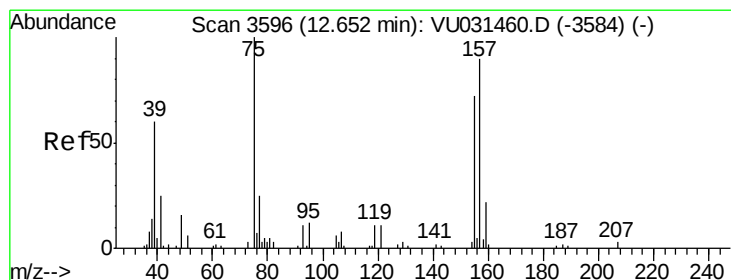
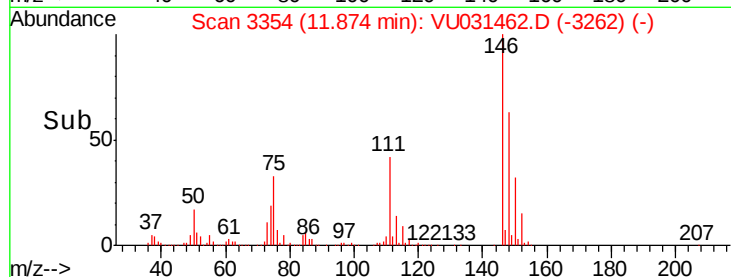
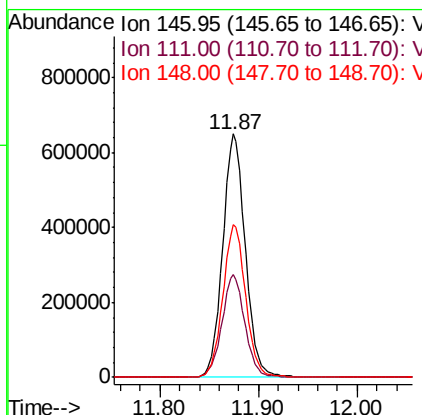
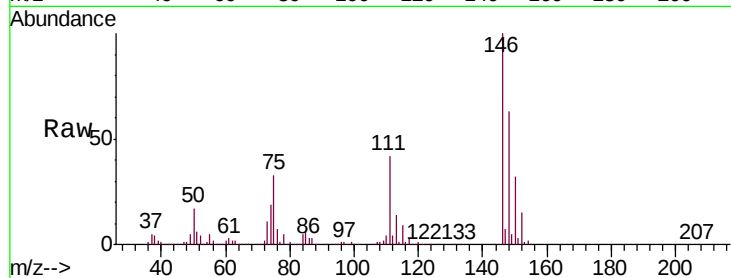




#65
 1,2-Dichlorobenzene
 Concen: 17.948 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

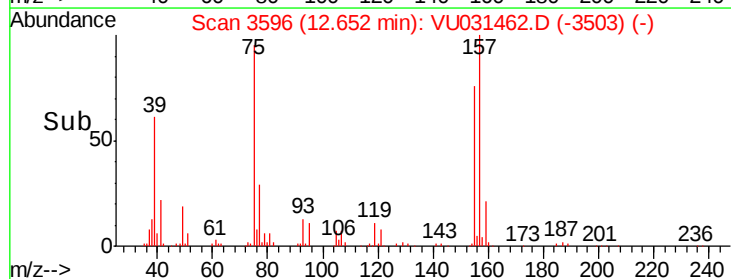
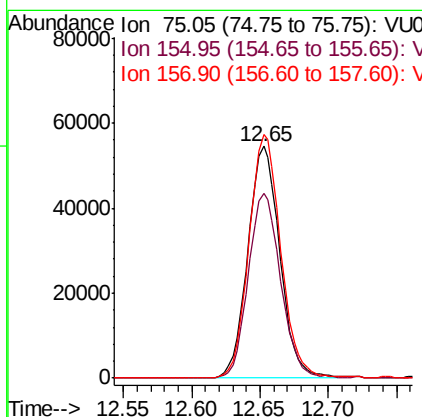
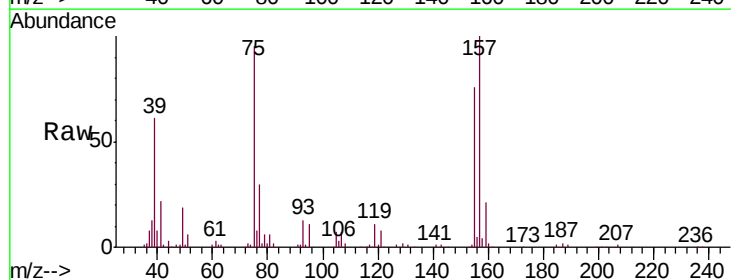
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

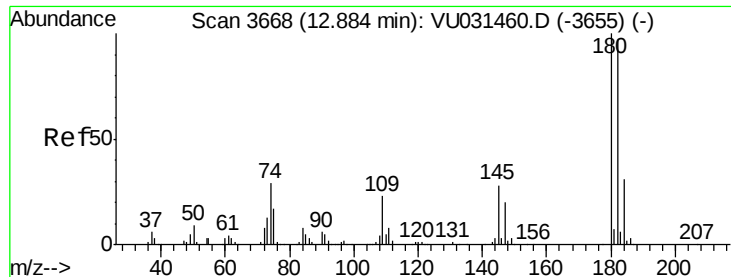
Tgt Ion:146 Resp: 1048796
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.0 51.0
 148 62.5 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.672 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion: 75 Resp: 89299
 Ion Ratio Lower Upper
 75 100
 155 79.8 57.2 85.8
 157 105.0 71.9 107.9

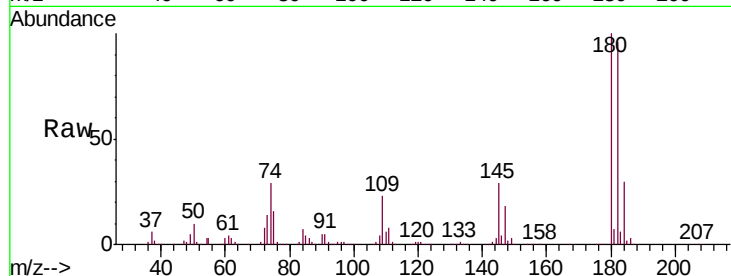




#67
 1,3,5-Trichlorobenzene
 Concen: 17.794 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02008

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.8	116.6
184	30.2	24.6	36.8
145	29.6	23.8	35.8



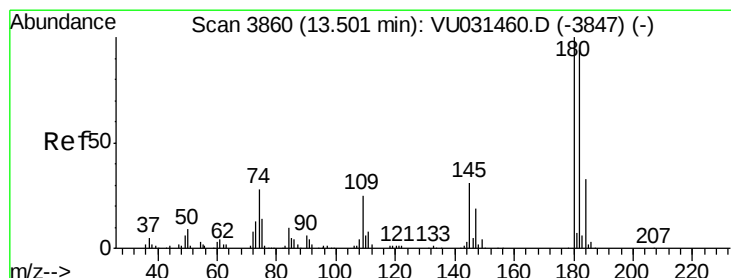
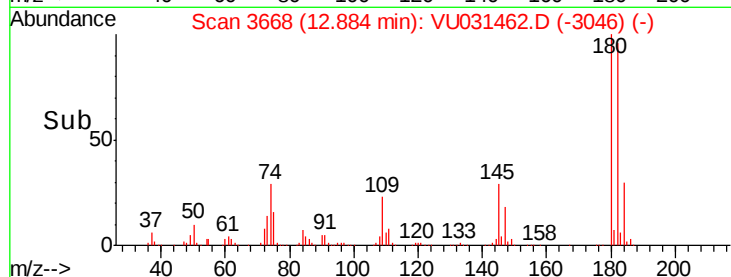
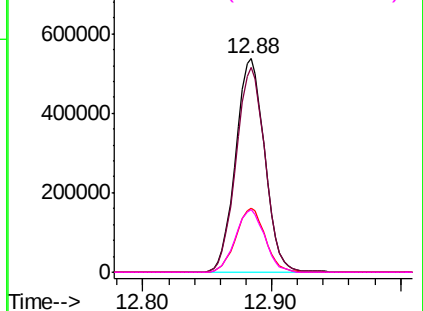
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

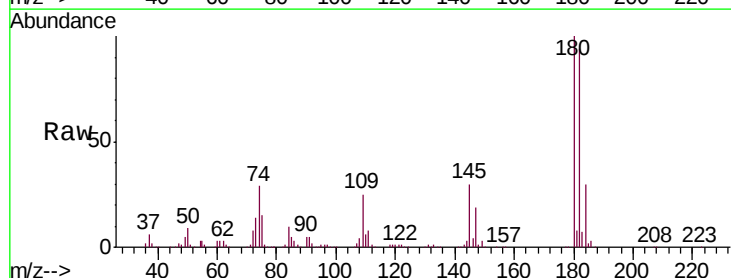
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.245 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU031462.D
 Acq: 24 Apr 2019 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.9	115.3
145	29.9	24.2	36.4

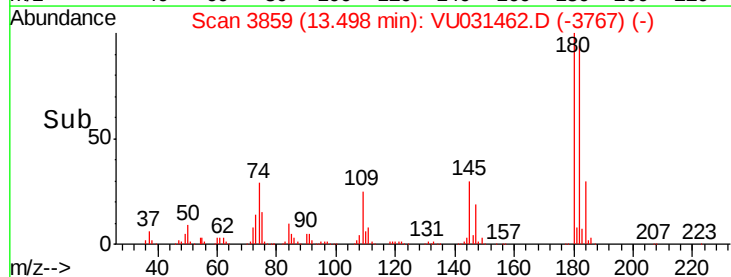
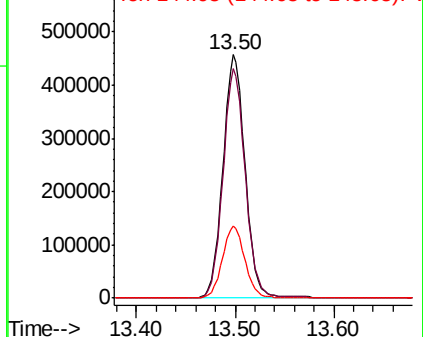


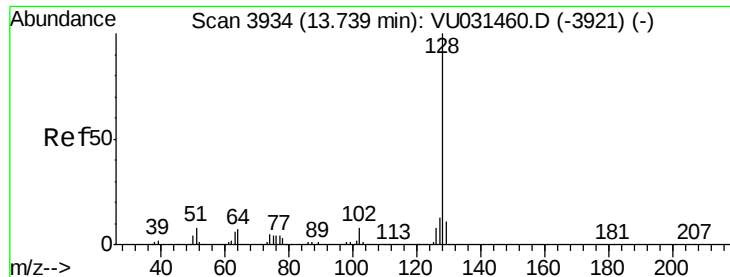
Abundance

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: 21.195 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD02008

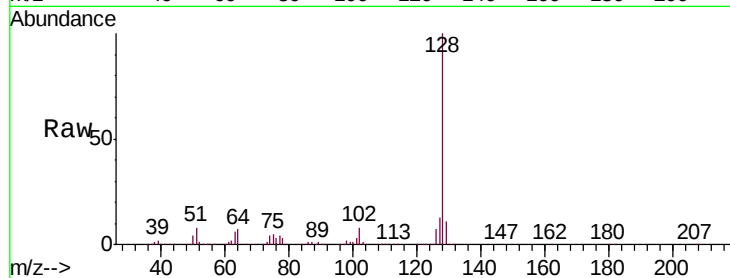
Tgt Ion:128 Resp: 1462316

Ion Ratio Lower Upper

128 100

129 10.7 8.0 12.0

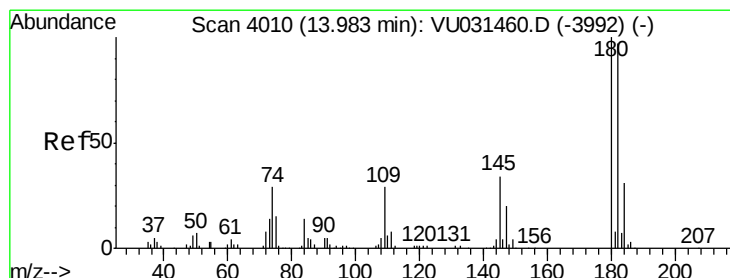
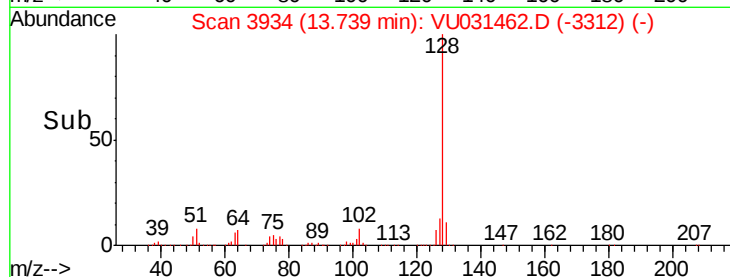
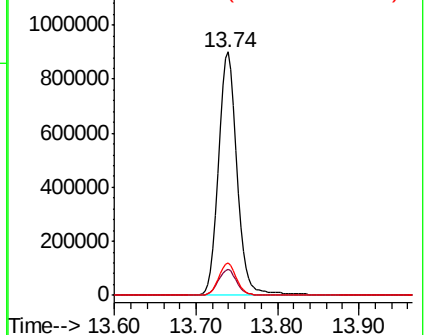
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 20.177 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031462.D

Acq: 24 Apr 2019 11:33

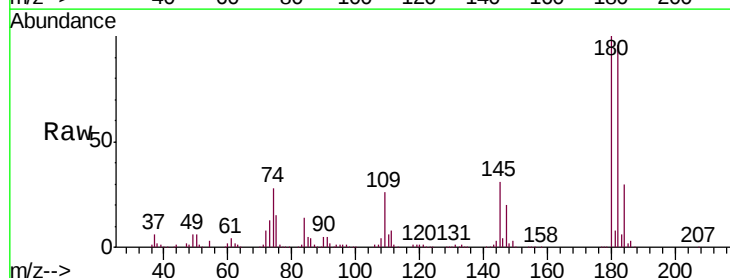
Tgt Ion:180 Resp: 686623

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.4 25.8 38.6



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

