

Data File : VU030342.D
Acq On : 23 Mar 2019 15:28
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV50

Quant Time: Mar 24 02:10:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Sun Mar 24 02:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	439932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	423736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	204522	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174723	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.70%
7) Chloroethane-d5	1.68	69	139881	49.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.70%
11) 1,1-Dichloroethene-d2	2.27	63	335264	49.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.84%
21) 2-Butanone-d5	4.17	46	341315	102.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.55%
24) Chloroform-d	4.64	84	302611	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.31	65	191609	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.34	84	614454	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.33	67	210564	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.30%
41) Toluene-d8	7.56	98	560082	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%
43) trans-1,3-Dichloropropene-	7.85	79	100513	51.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.82%
47) 2-Hexanone-d5	8.31	63	233820	103.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	297028	49.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	206648	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	242980	50.058 ug/L	100
3) Chloromethane	1.33	50	271470	50.006 ug/L	99
5) Vinyl chloride	1.40	62	257807	50.080 ug/L	98
6) Bromomethane	1.62	94	126383	53.517 ug/L	99
8) Chloroethane	1.69	64	143964	49.536 ug/L	99
9) Trichlorofluoromethane	1.88	101	280107	49.897 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	163392	50.888 ug/L	99
12) 1,1-Dichloroethene	2.28	96	161135	51.193 ug/L	92
13) Acetone	2.32	43	348959	103.676 ug/L	100
14) Carbon disulfide	2.48	76	527209	50.658 ug/L	100
15) Methyl Acetate	2.61	43	258697	50.195 ug/L #	100
16) Methylene chloride	2.70	84	184183	49.637 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	164937	49.947 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	546989	50.089 ug/L	99
19) 1,1-Dichloroethane	3.44	63	344077	50.787 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	183527	49.556 ug/L	98
22) 2-Butanone	4.26	43	438370	107.751 ug/L	98

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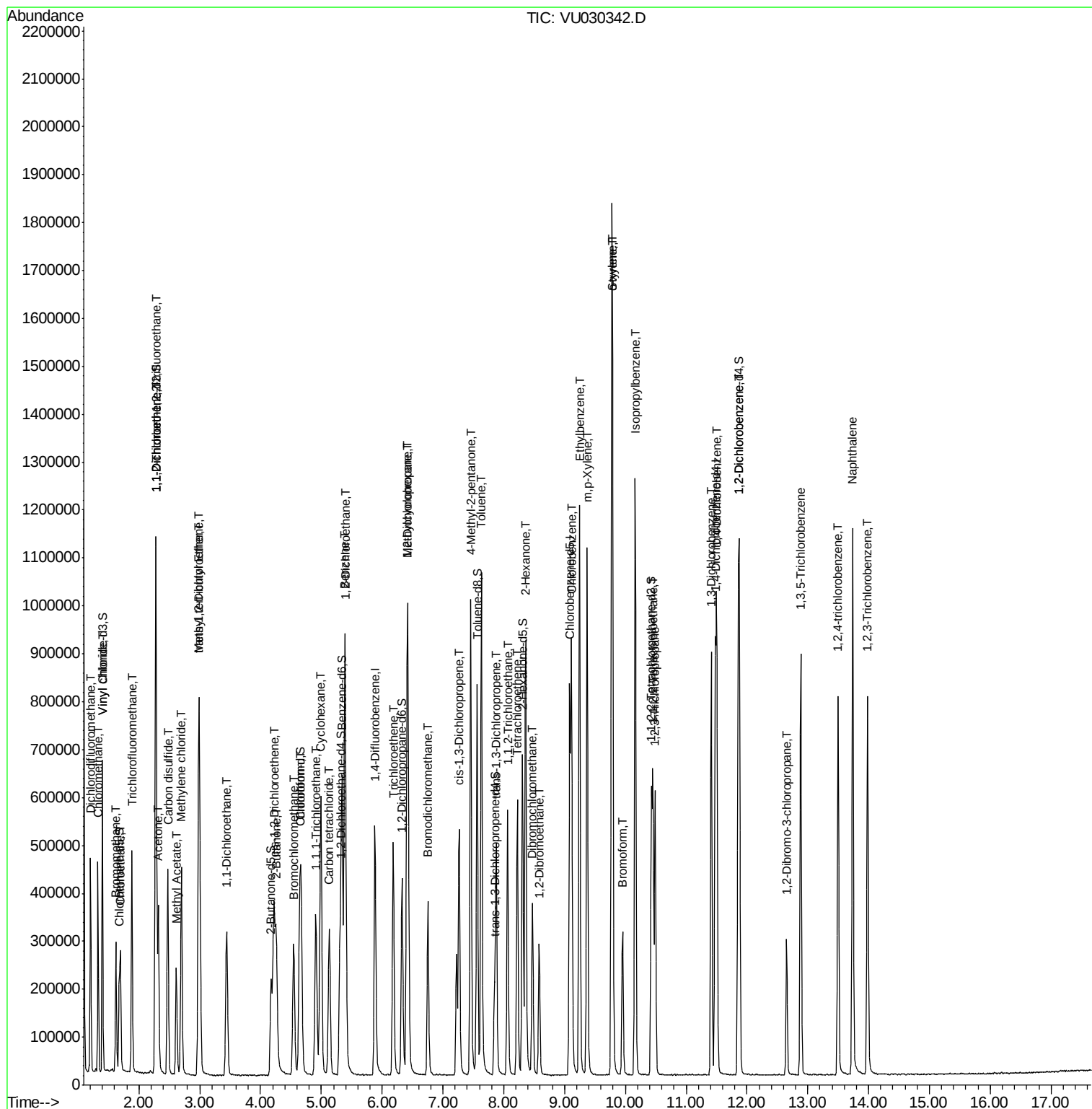
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	86475	50.237	ug/L	97
25) Chloroform	4.67	83	319034	49.528	ug/L	99
27) 1,2-Dichloroethane	5.40	62	250738	49.606	ug/L	98
29) Cyclohexane	4.99	56	336534	52.481	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	260326	50.174	ug/L	99
31) Carbon tetrachloride	5.13	117	223147	50.741	ug/L	99
33) Benzene	5.39	78	729769	50.593	ug/L	100
34) Trichloroethene	6.18	95	179789	50.702	ug/L	99
35) Methylcyclohexane	6.41	83	305566	52.367	ug/L	98
37) 1,2-Dichloropropane	6.43	63	201363	49.191	ug/L	100
38) Bromodichloromethane	6.75	83	244856	50.342	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	307732	52.302	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	707604	102.912	ug/L	99
42) Toluene	7.63	91	774730	51.752	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	274484	53.019	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	169972	49.143	ug/L	99
46) Tetrachloroethene	8.22	164	128585	51.917	ug/L	98
48) 2-Hexanone	8.36	43	611500	108.511	ug/L	99
49) Dibromochloromethane	8.47	129	183848	51.156	ug/L	98
50) 1,2-Dibromoethane	8.58	107	188199	50.701	ug/L	99
51) Chlorobenzene	9.12	112	460434	50.749	ug/L	99
52) Ethylbenzene	9.25	91	846157	52.178	ug/L	99
53) m,p-Xylene	9.37	106	302565	51.673	ug/L	97
54) o-xylene	9.78	106	300350	52.570	ug/L	96
55) Styrene	9.79	104	523437	53.185	ug/L	98
56) Isopropylbenzene	10.16	105	794588	52.524	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	317111	49.746	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	249222	50.019	ug/L	99
61) Bromoform	9.95	173	135754	49.923	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	344944	51.573	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	352022	51.125	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	342718	50.675	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	74556	49.510	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	265746	53.074	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	237746	54.647	ug/L	99
69) Naphthalene	13.74	128	892724	57.707	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	243984	53.109	ug/L	100

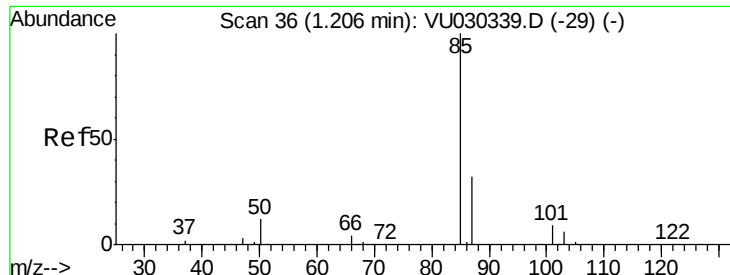
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.058 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampled :

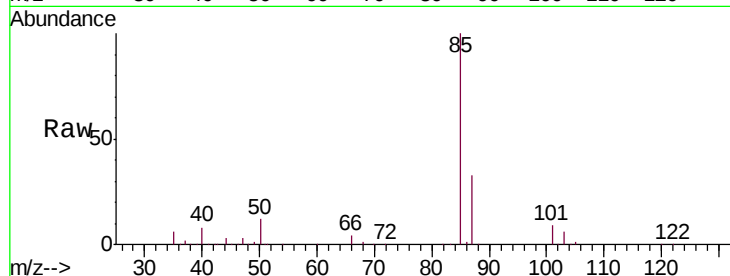
VICV50

Tgt Ion: 85 Resp: 242980

Ion Ratio Lower Upper

85 100

87 32.1 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU030339.D (-29) (-)

Ion 87.00 (86.70 to 87.70): VU030339.D (-29) (-)

1.21

250000

200000

150000

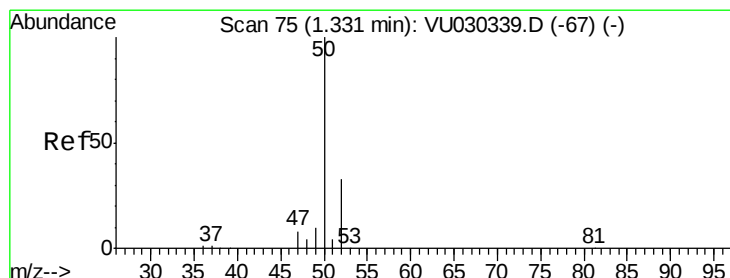
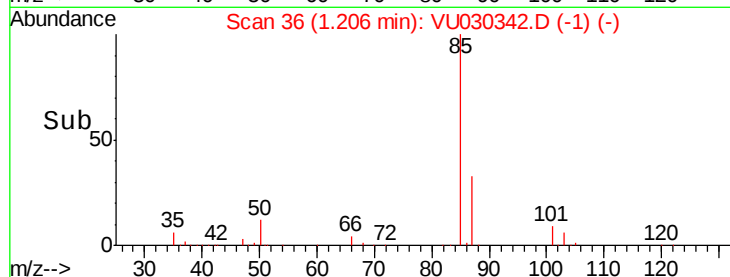
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 50.006 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030342.D

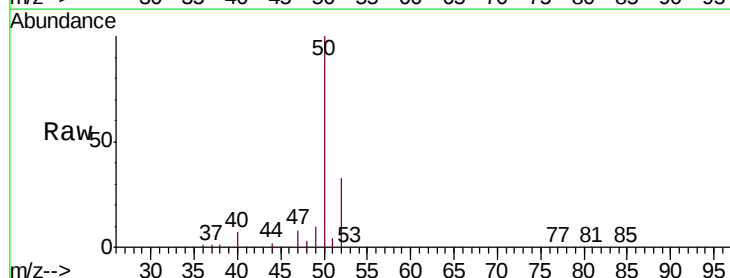
Acq: 23 Mar 2019 15:28

Tgt Ion: 50 Resp: 271470

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU030339.D (-67) (-)

Ion 52.00 (51.70 to 52.70): VU030339.D (-67) (-)

1.33

300000

250000

200000

150000

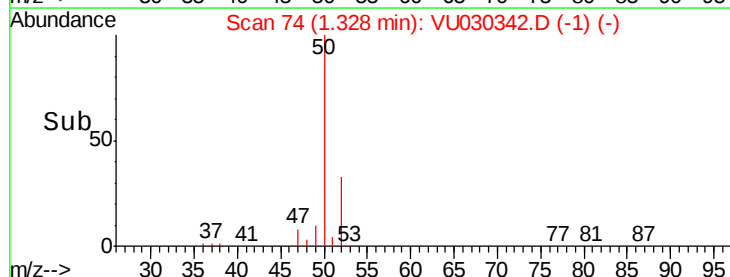
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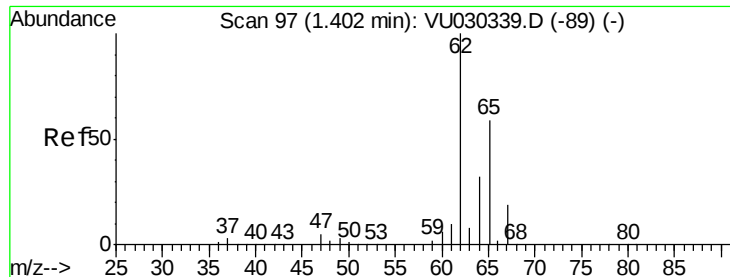
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 50.080 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

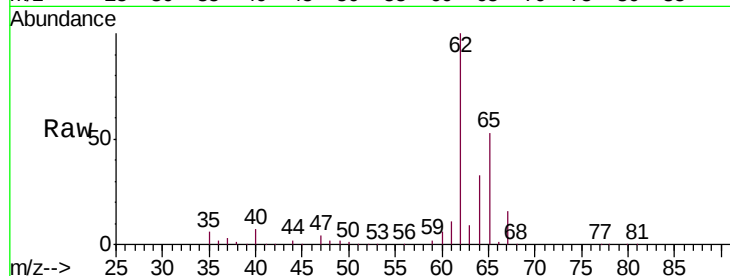
VICV50

Tgt Ion: 62 Resp: 257807

Ion Ratio Lower Upper

62 100

64 33.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU030339.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030339.D (-89) (-)

1.40

250000

200000

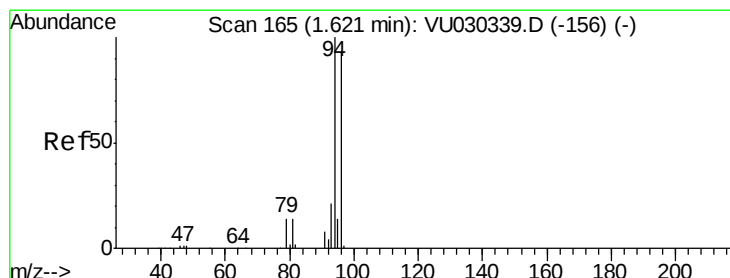
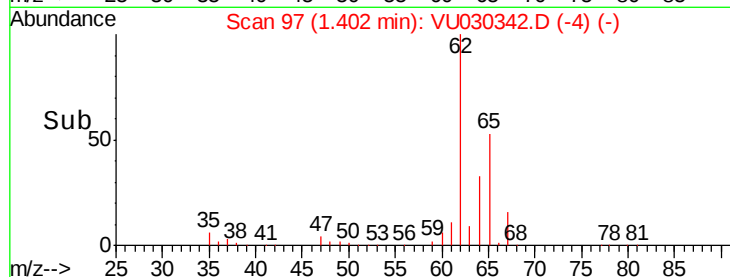
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 53.517 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030342.D

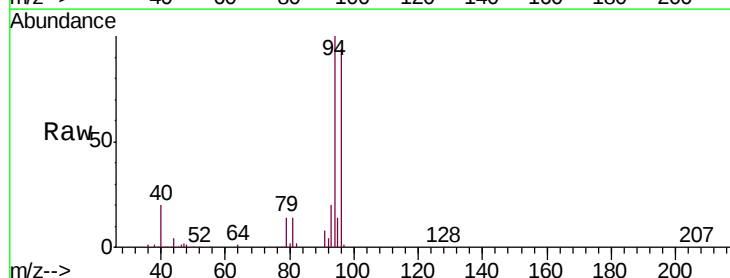
Acq: 23 Mar 2019 15:28

Tgt Ion: 94 Resp: 126383

Ion Ratio Lower Upper

94 100

96 93.7 64.8 120.3



Abundance Ion 94.00 (93.70 to 94.70): VU030339.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030339.D (-156) (-)

1.62

100000

80000

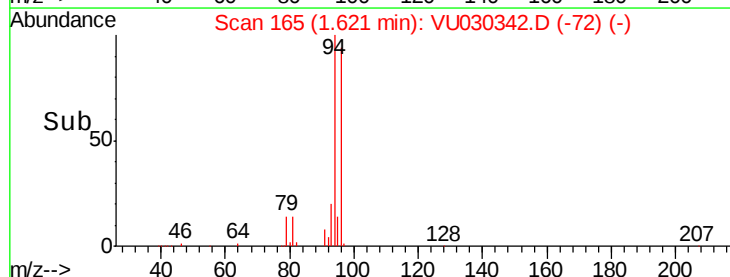
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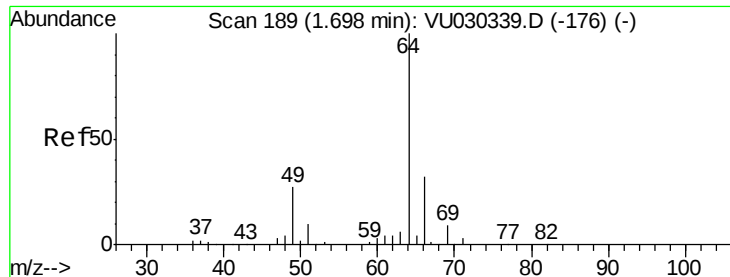
40000

20000

0

Time-->





#8

Chloroethane

Concen: 49.536 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

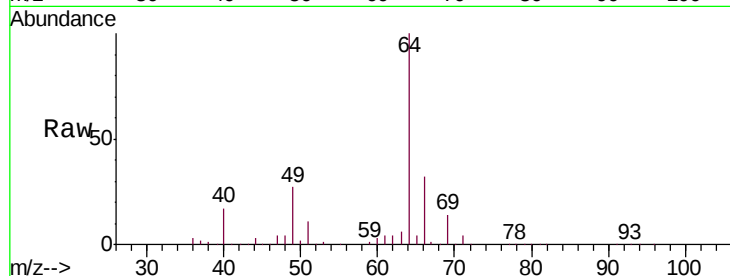
VICV50

Tgt Ion: 64 Resp: 143964

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU030339.D

Ion 66.00 (65.70 to 66.70): VU030339.D

1.69

120000

100000

80000

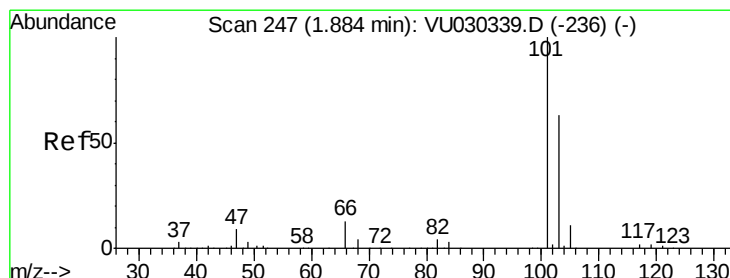
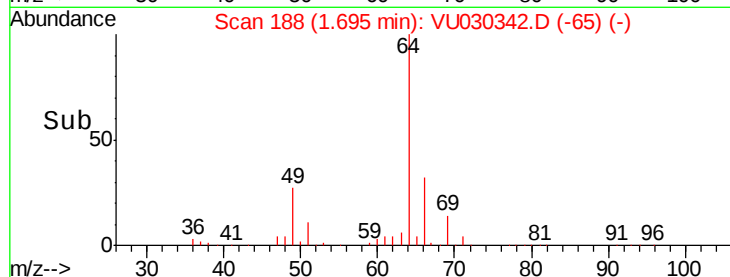
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.897 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU030342.D

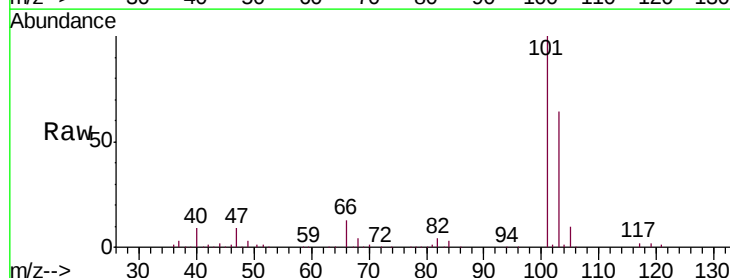
Acq: 23 Mar 2019 15:28

Tgt Ion: 101 Resp: 280107

Ion Ratio Lower Upper

101 100

103 65.5 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU030339.D

Ion 103.00 (102.70 to 103.70): VU030339.D

1.88

200000

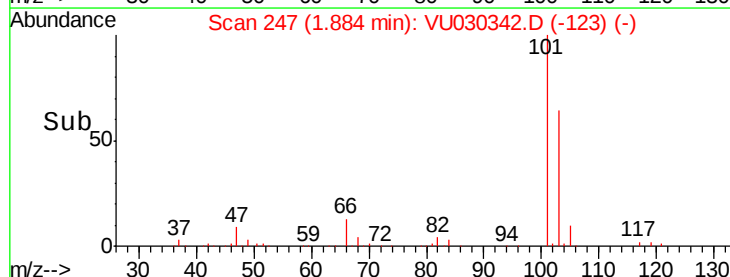
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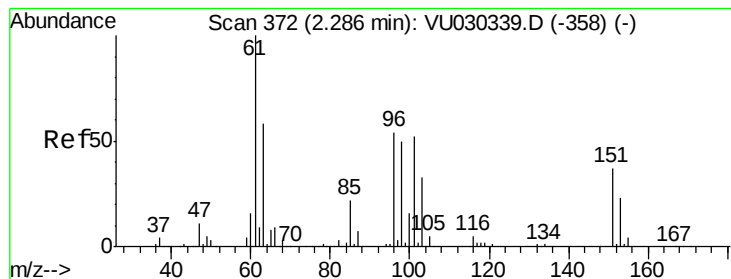
100000

50000

0

Time-->





#10

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

Concen: 50.888 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

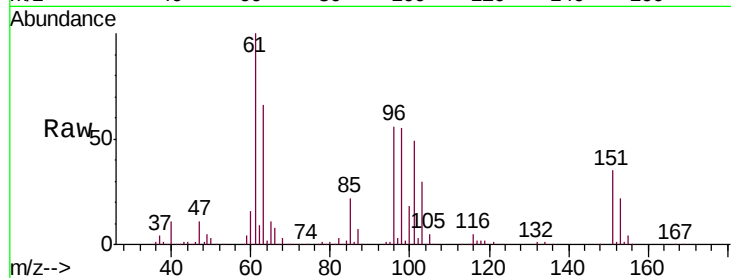
Tgt Ion: 101 Resp: 163392

Ion Ratio Lower Upper

101 100

85 44.7 34.8 52.2

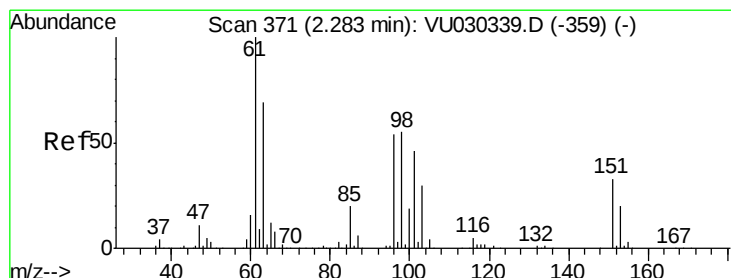
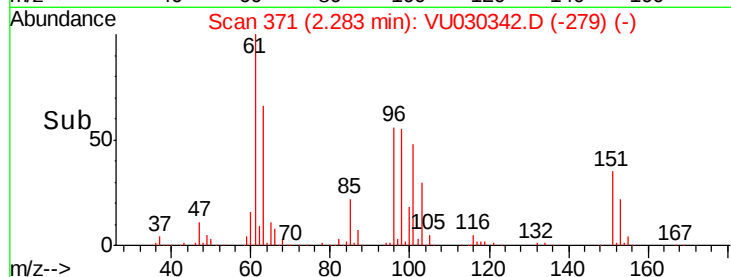
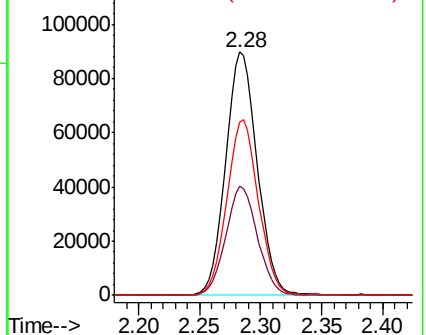
151 71.6 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.193 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

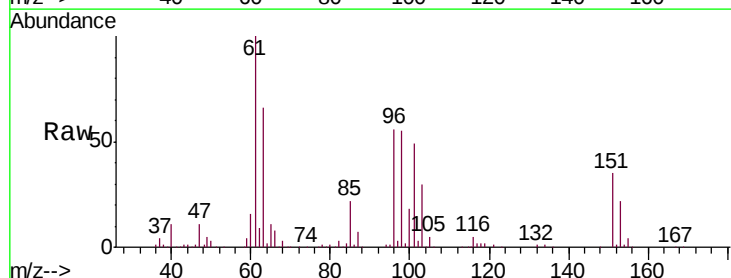
Tgt Ion: 96 Resp: 161135

Ion Ratio Lower Upper

96 100

61 179.8 131.0 243.4

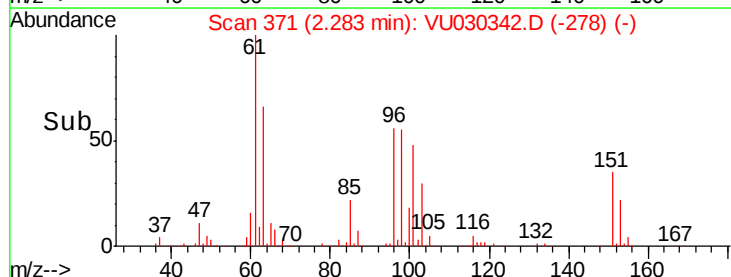
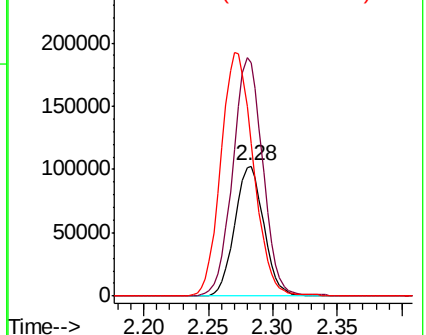
63 118.0 92.4 171.6

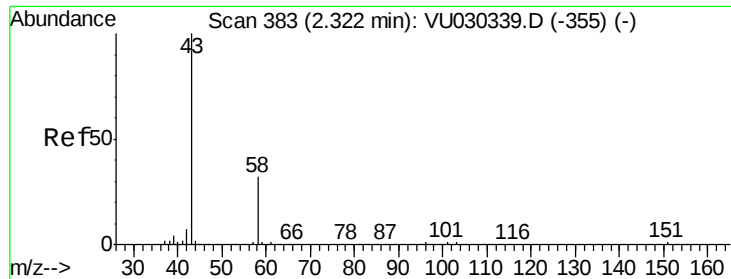


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.676 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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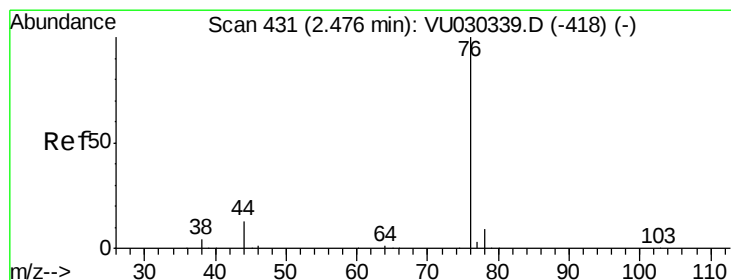
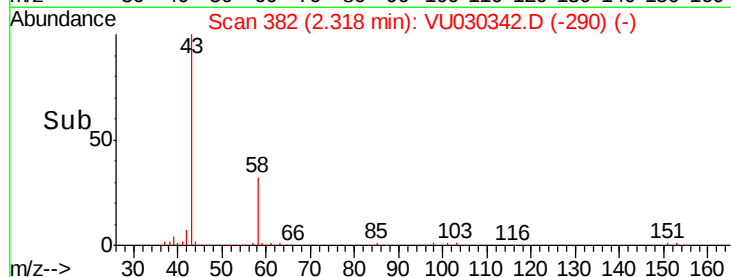
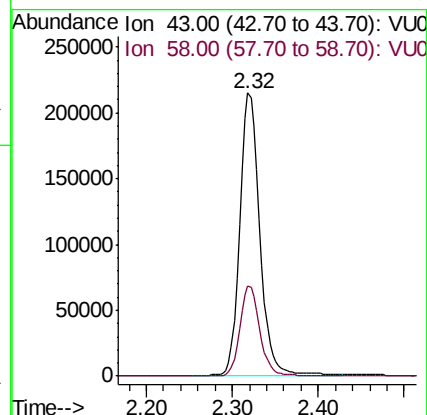
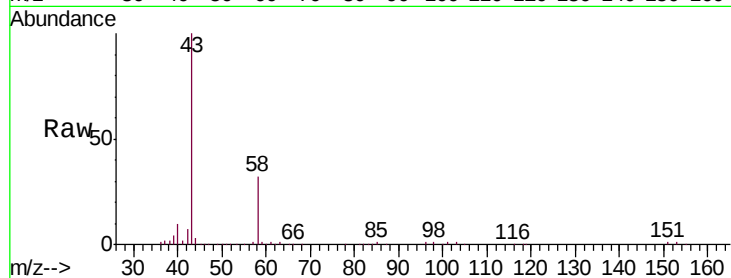
VICV50

Tgt Ion: 43 Resp: 348959

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



#14

Carbon disulfide

Concen: 50.658 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030342.D

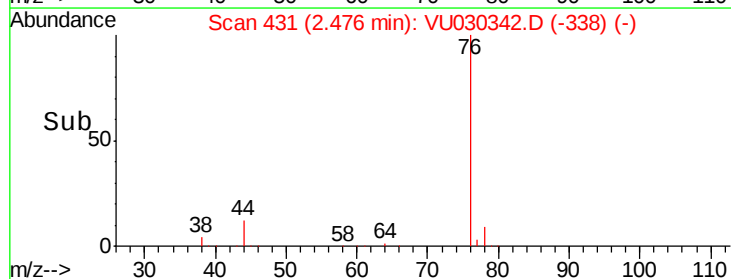
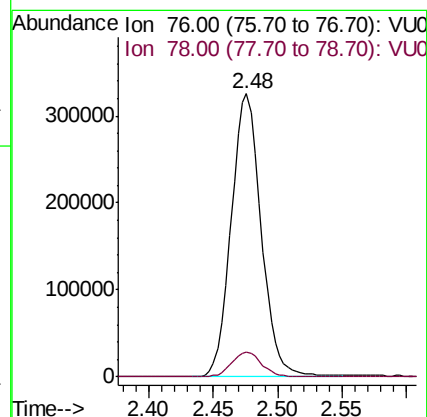
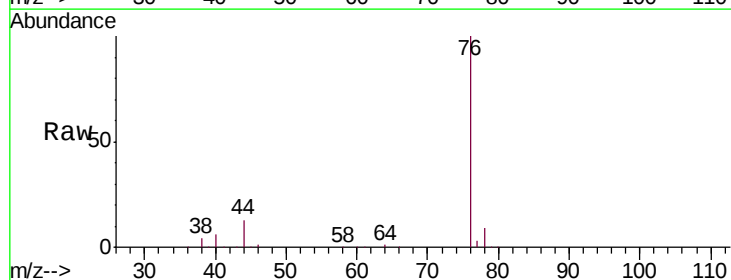
Acq: 23 Mar 2019 15:28

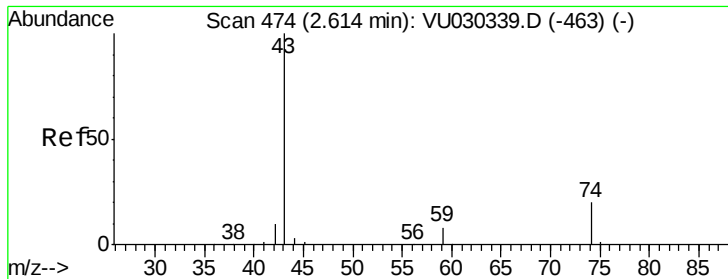
Tgt Ion: 76 Resp: 527209

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

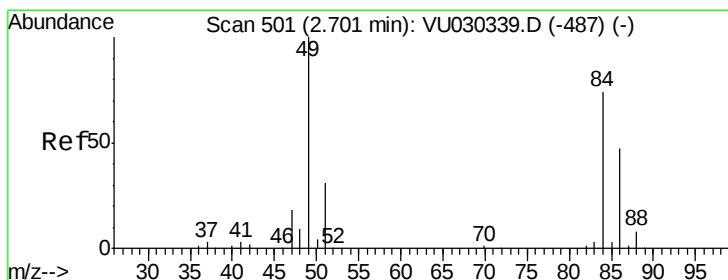
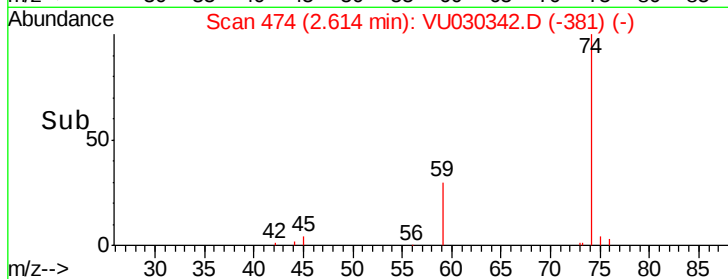
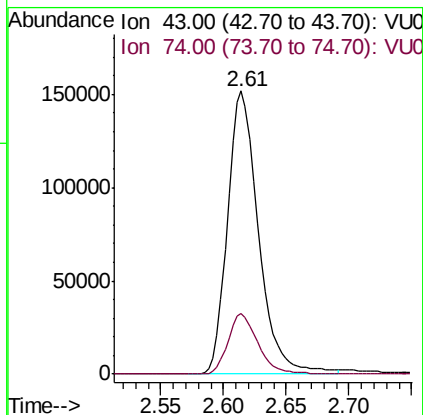
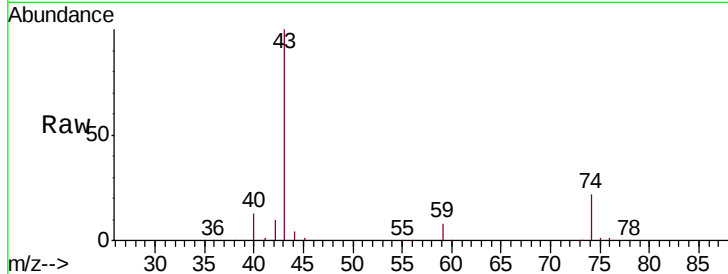




#15
Methyl Acetate
Concen: 50.195 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

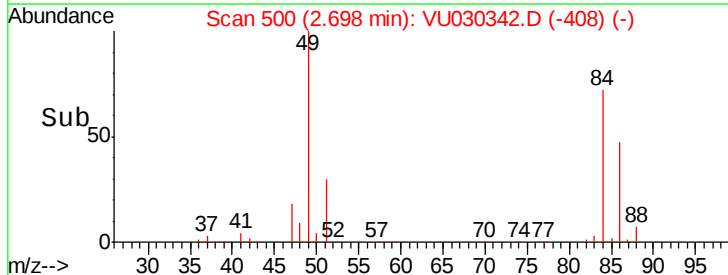
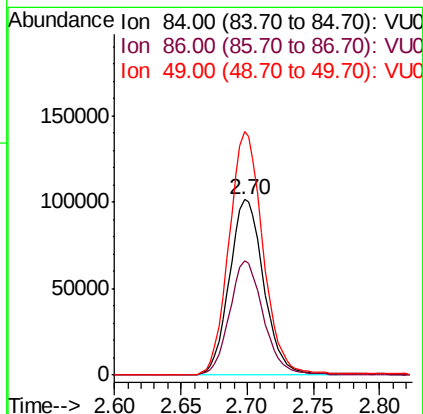
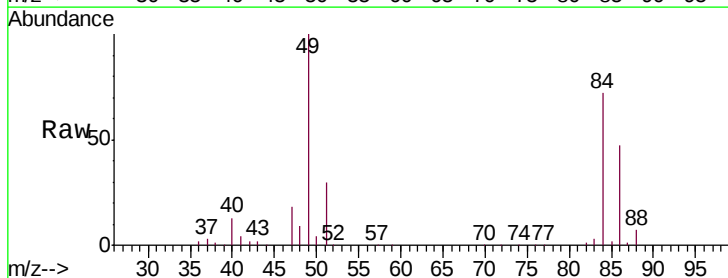
Instrument :
MSVOA_U
ClientSampleId :
VICV50

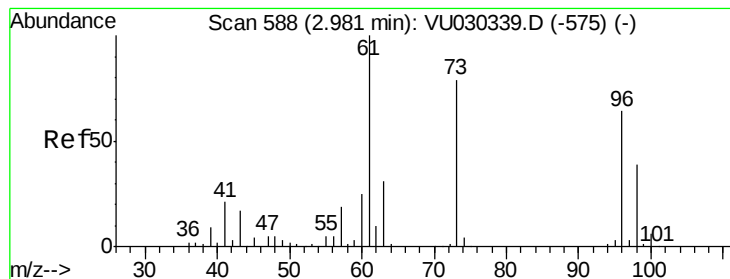
Tgt Ion: 43 Resp: 258697
Ion Ratio Lower Upper
43 100
74 20.8 0.0 0.0#



#16
Methylene chloride
Concen: 49.637 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Tgt Ion: 84 Resp: 184183
Ion Ratio Lower Upper
84 100
86 65.1 44.3 82.3
49 138.6 94.9 176.3





#17

trans-1,2-Dichloroethene

Concen: 49.947 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

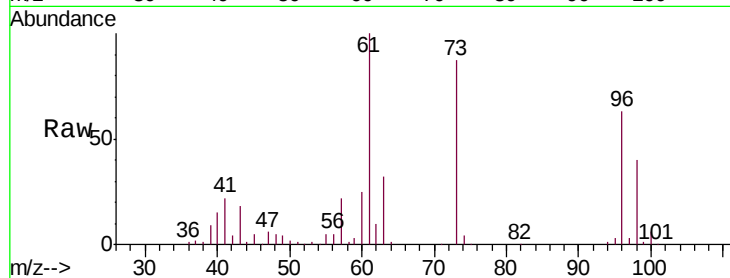
Tgt Ion: 96 Resp: 164937

Ion Ratio Lower Upper

96 100

61 157.6 108.6 201.8

98 63.3 42.3 78.5

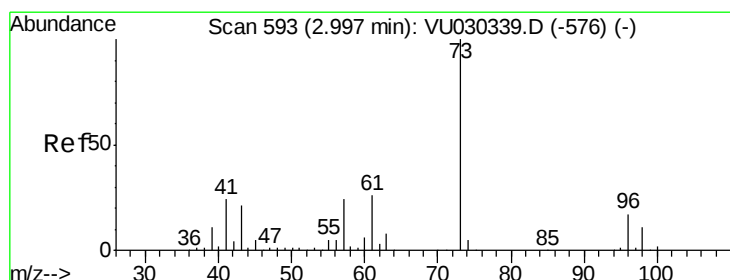
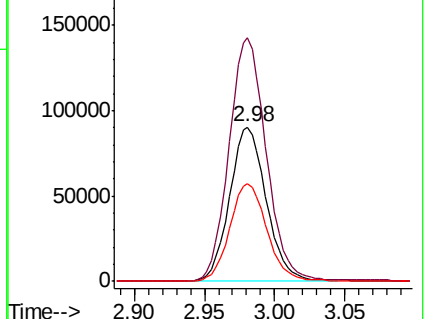
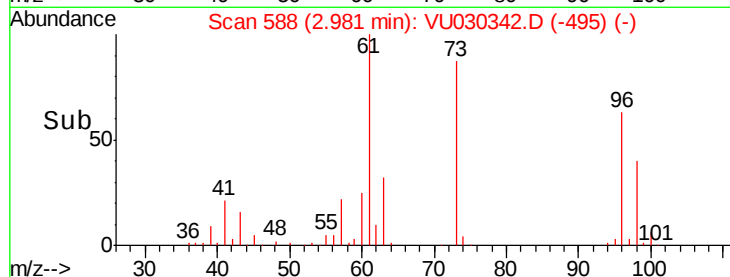


Abundance Ion 96.00 (95.70 to 96.70): VU030339.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU030339.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU030339.D (-575) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 50.089 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

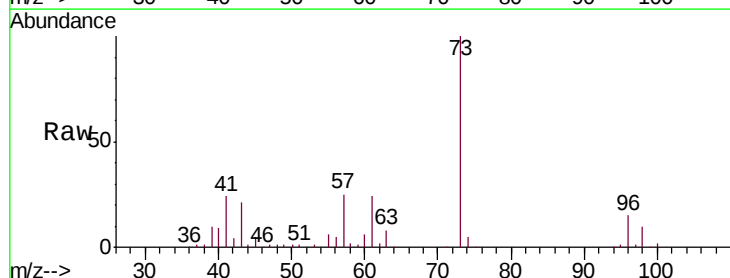
Tgt Ion: 73 Resp: 546989

Ion Ratio Lower Upper

73 100

43 20.4 16.6 24.8

57 24.2 18.9 28.3

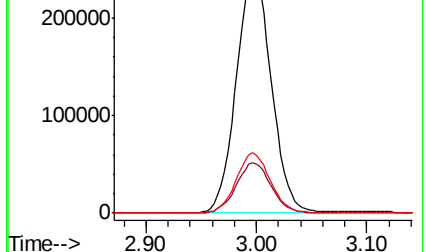
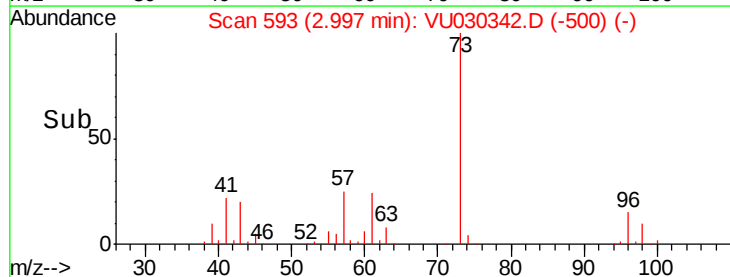


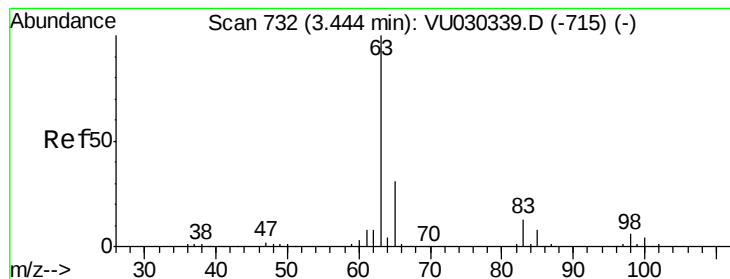
Abundance Ion 73.00 (72.70 to 73.70): VU030339.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030339.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU030339.D (-576) (-)

Time-->





#19

1,1-Dichloroethane

Concen: 50.787 ug/L

RT: 3.44 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

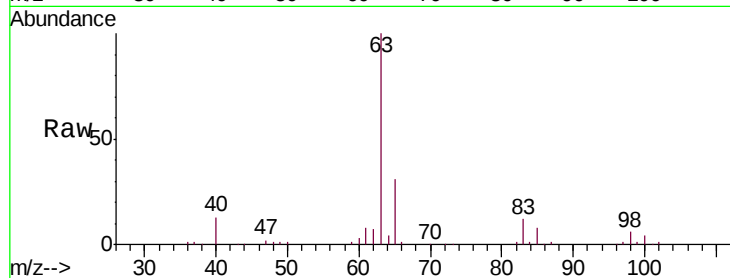
Tgt Ion: 63 Resp: 344077

Ion Ratio Lower Upper

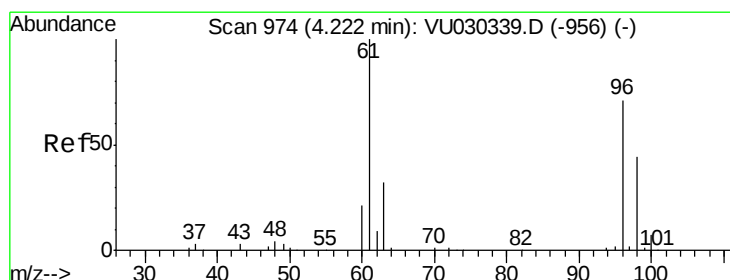
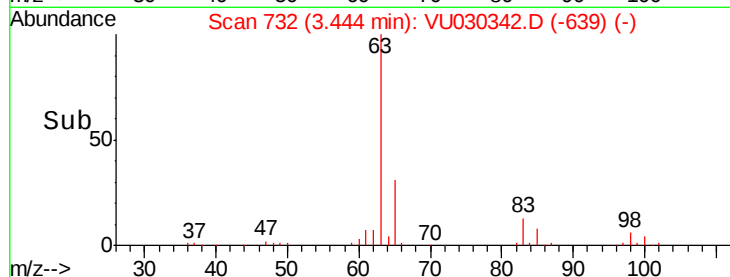
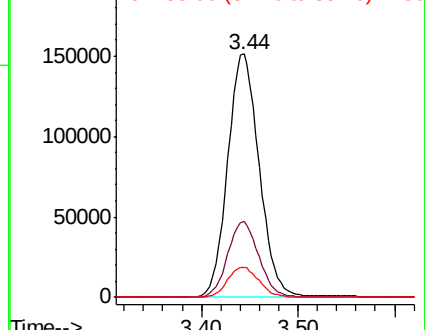
63 100

65 31.1 22.0 40.8

83 12.5 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 49.556 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

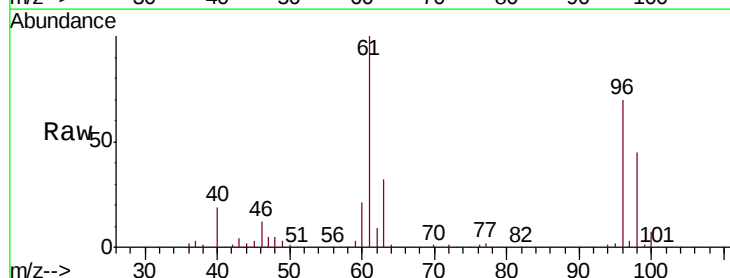
Tgt Ion: 96 Resp: 183527

Ion Ratio Lower Upper

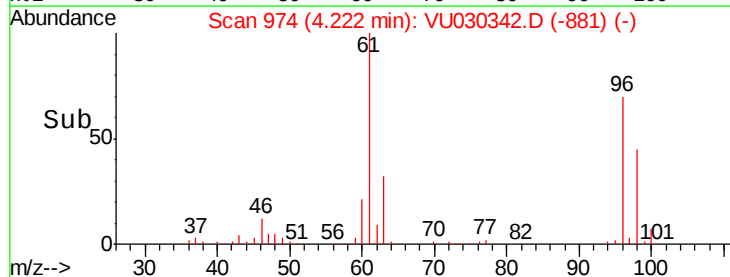
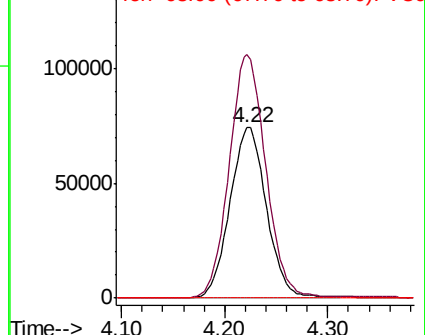
96 100

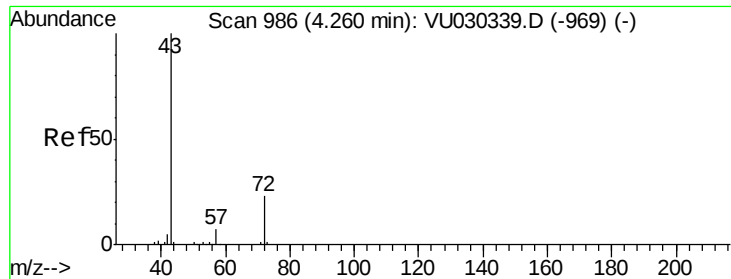
61 142.8 98.4 182.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 107.751 ug/L

RT: 4.26 min Scan# 985

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

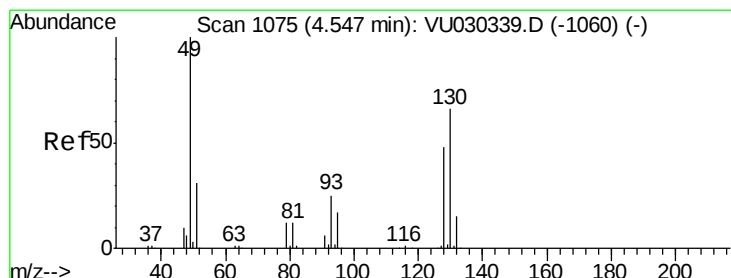
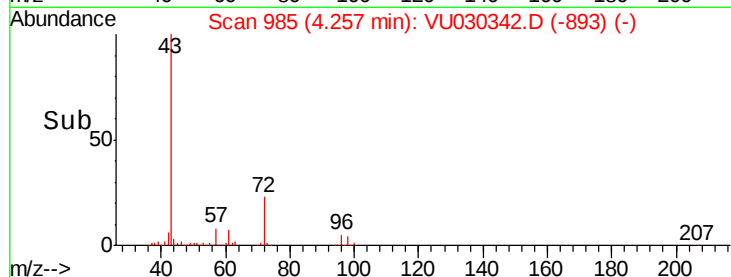
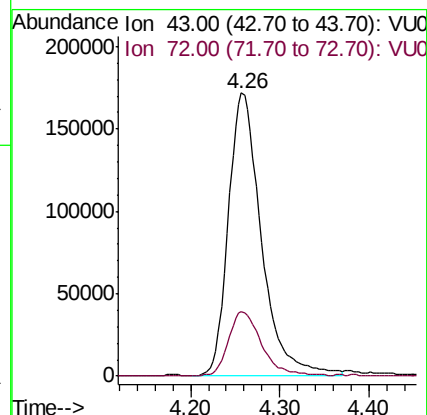
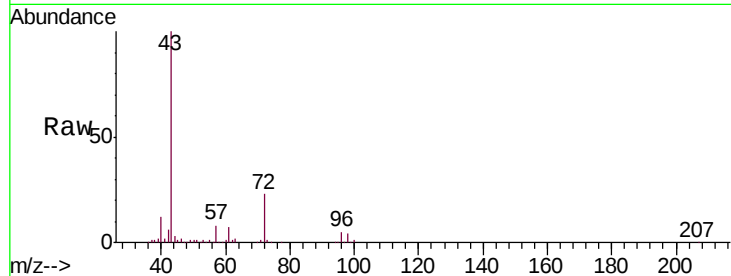
VICV50

Tgt Ion: 43 Resp: 438370

Ion Ratio Lower Upper

43 100

72 23.2 12.0 36.1



#23

Bromochloromethane

Concen: 50.237 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Tgt Ion: 128 Resp: 86475

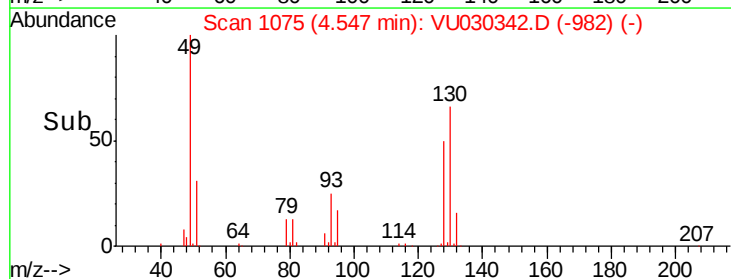
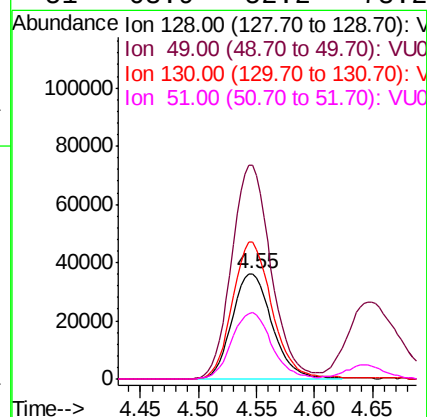
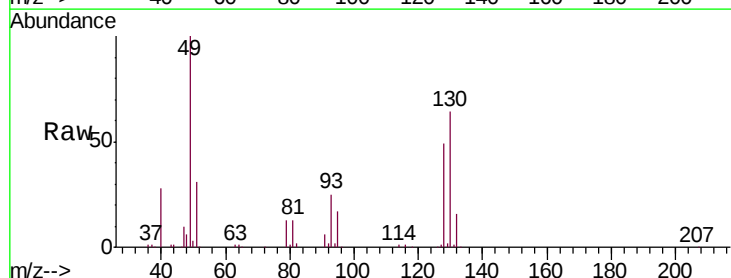
Ion Ratio Lower Upper

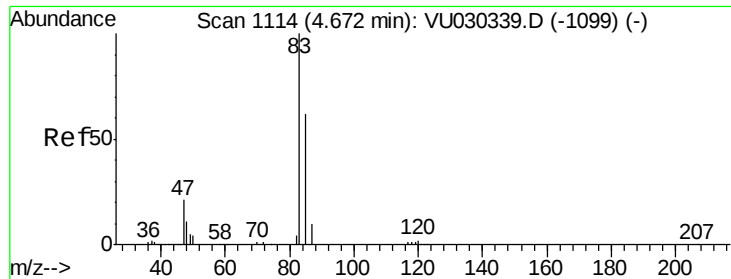
128 100

49 203.0 145.5 270.3

130 130.6 95.3 177.1

51 63.9 52.2 78.2





#25

Chloroform

Concen: 49.528 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

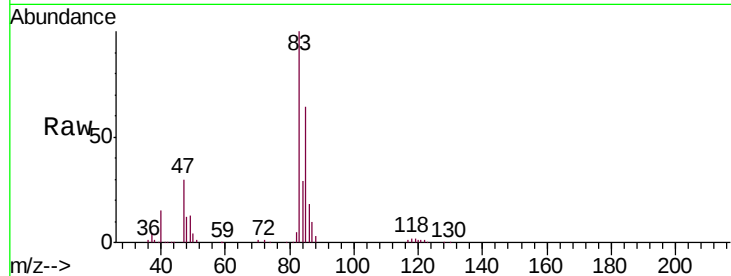
VICV50

Tgt Ion: 83 Resp: 319034

Ion Ratio Lower Upper

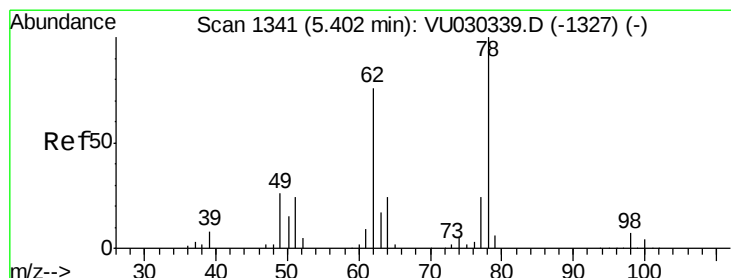
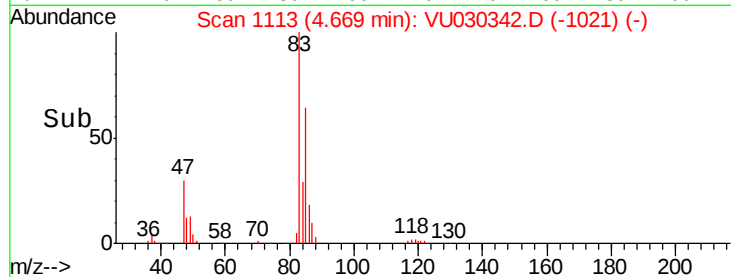
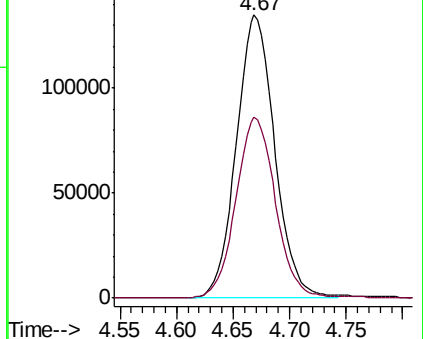
83 100

85 63.9 44.4 82.4



Abundance Ion 83.00 (82.70 to 83.70): VU030339.D (-1099) (-)

Ion 85.00 (84.70 to 85.70): VU030339.D (-1099) (-)



#27

1,2-Dichloroethane

Concen: 49.606 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030342.D

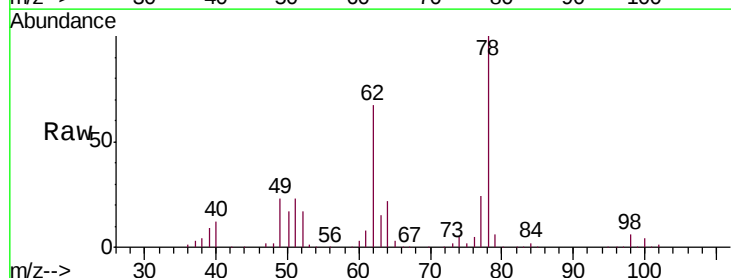
Acq: 23 Mar 2019 15:28

Tgt Ion: 62 Resp: 250738

Ion Ratio Lower Upper

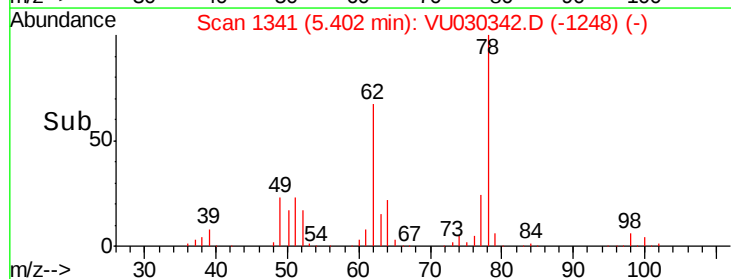
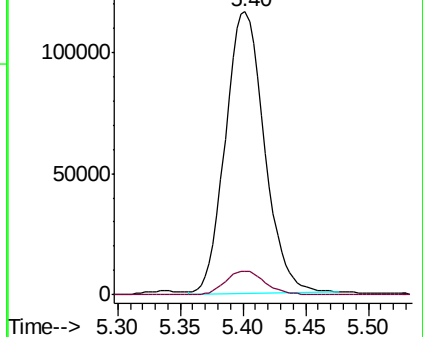
62 100

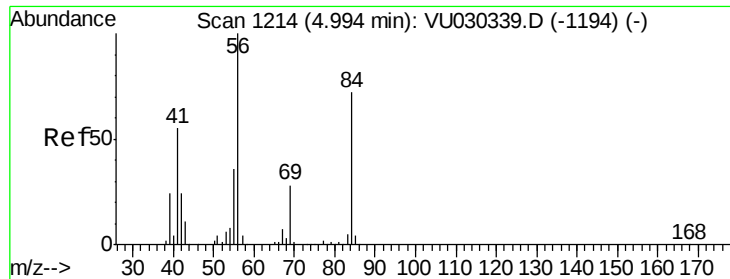
98 8.4 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU030339.D (-1327) (-)

Ion 98.00 (97.70 to 98.70): VU030339.D (-1327) (-)

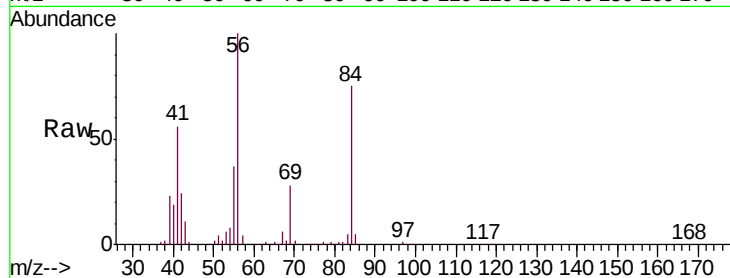




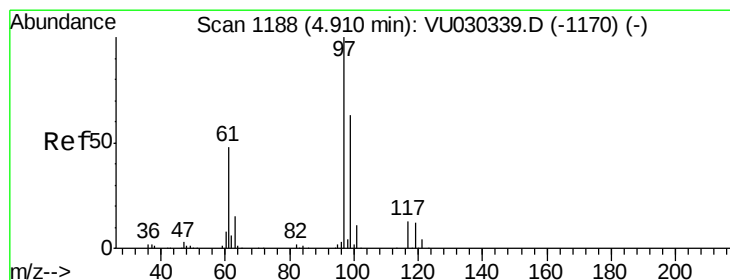
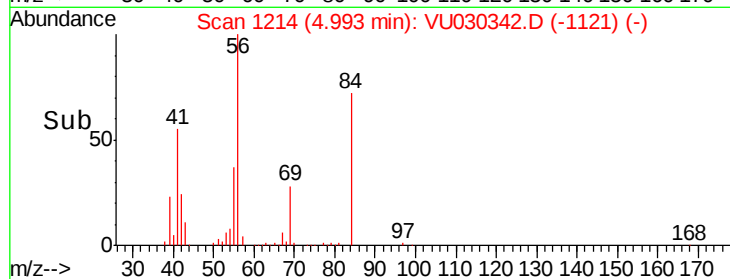
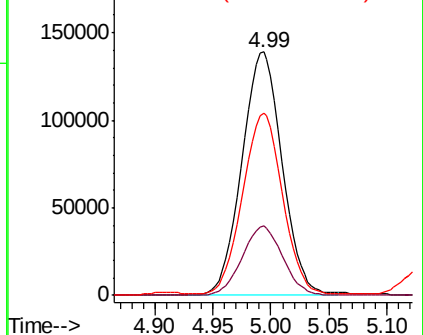
#29
Cyclohexane
Concen: 52.481 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Instrument :
MSVOA_U
ClientSampleId :
VICV50

Tgt Ion: 56 Resp: 336534
Ion Ratio Lower Upper
56 100
69 28.6 22.9 34.3
84 73.5 58.9 88.3

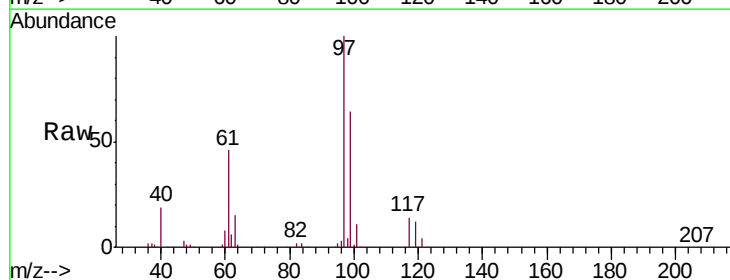


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

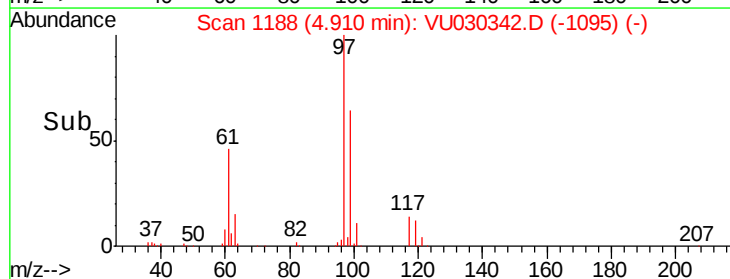
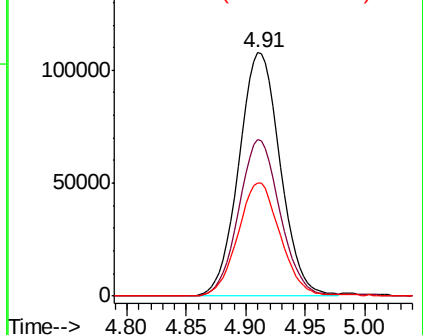


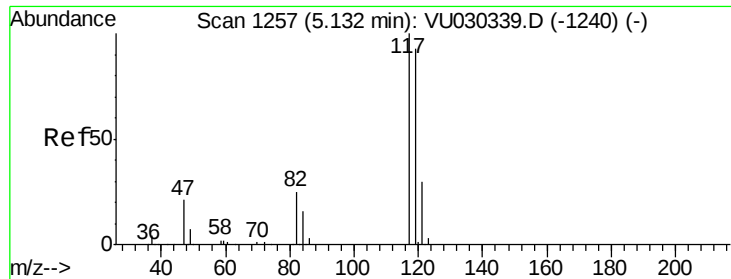
#30
1,1,1-Trichloroethane
Concen: 50.174 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Tgt Ion: 97 Resp: 260326
Ion Ratio Lower Upper
97 100
99 64.4 51.8 77.6
61 47.3 38.2 57.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

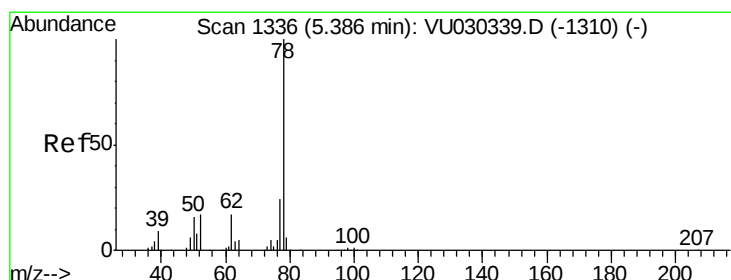
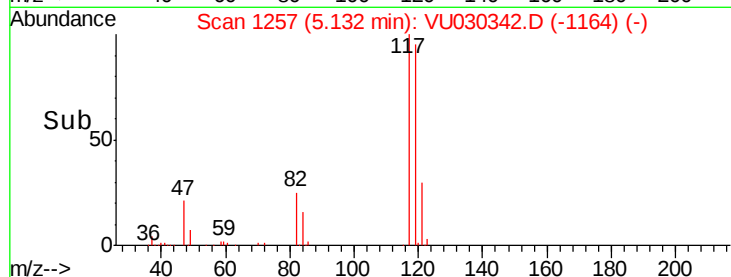
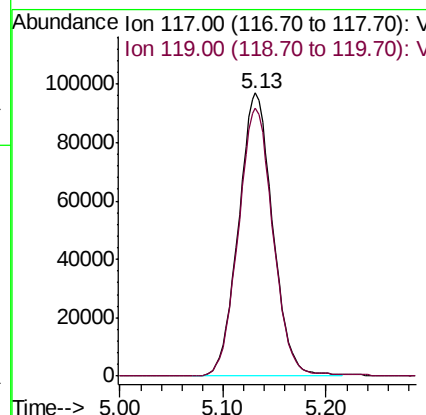
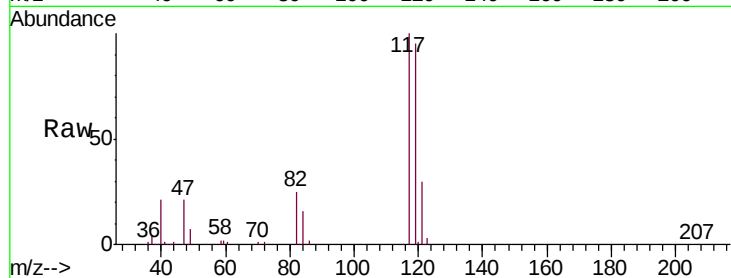




#31
Carbon tetrachloride
Concen: 50.741 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

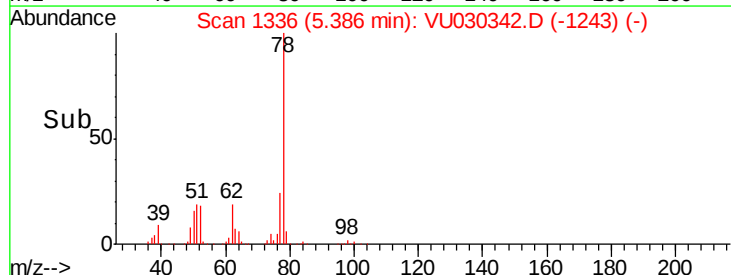
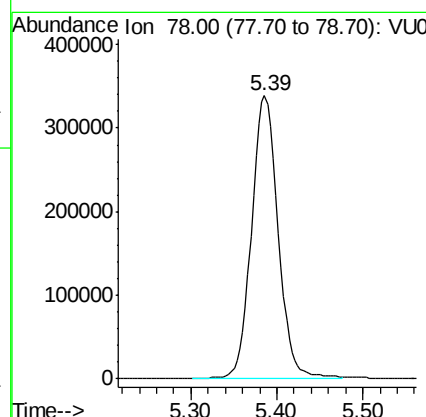
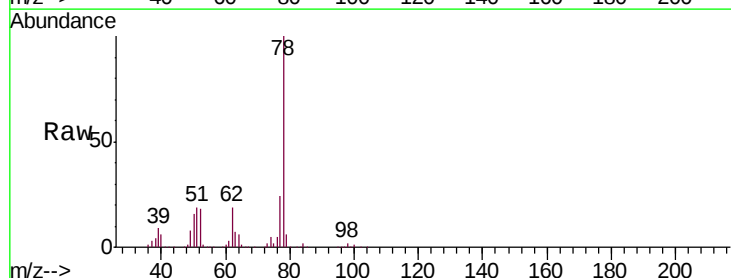
Instrument :
MSVOA_U
ClientSampled :
VICV50

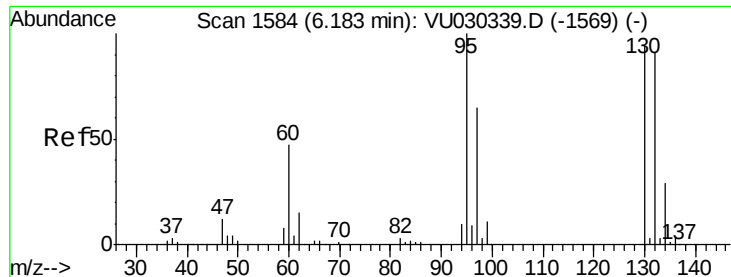
Tgt Ion:117 Resp: 223147
Ion Ratio Lower Upper
117 100
119 95.7 75.4 113.2



#33
Benzene
Concen: 50.593 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Tgt Ion: 78 Resp: 729769

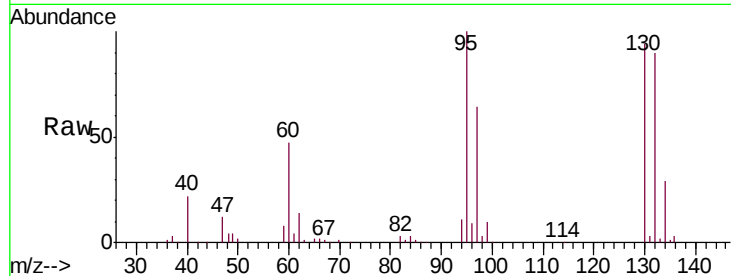




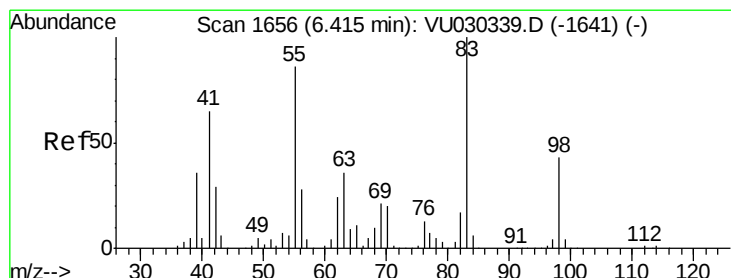
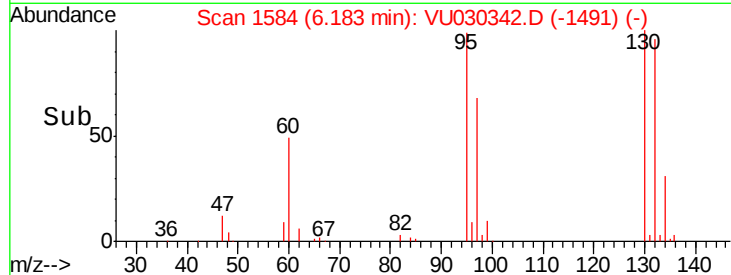
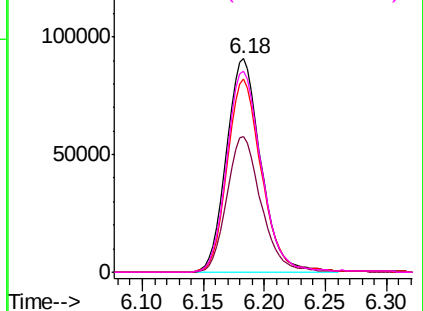
#34
 Trichloroethene
 Concen: 50.702 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV50

Tgt Ion: 95 Resp: 179789
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.7 84.9
 132 90.2 63.8 118.4
 130 94.1 65.7 121.9

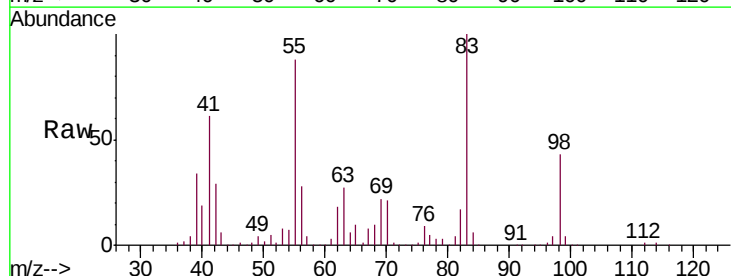


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

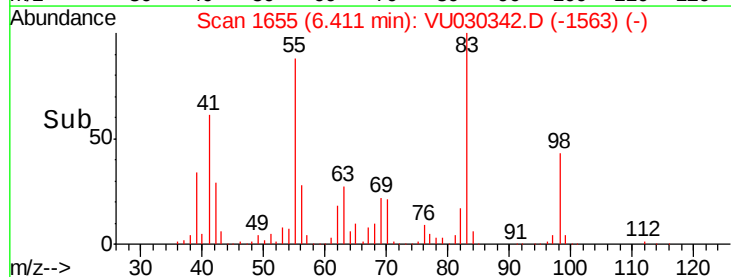
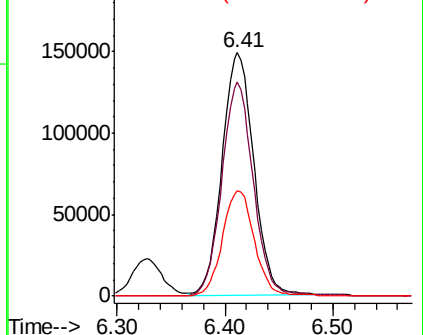


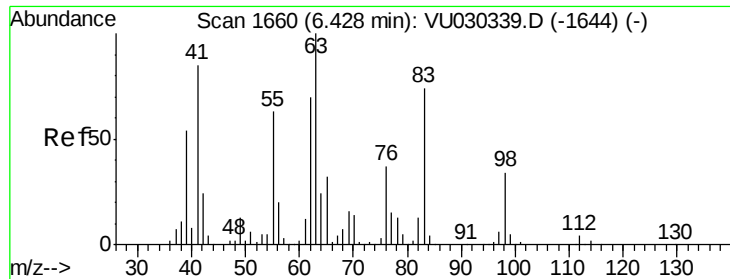
#35
 Methylcyclohexane
 Concen: 52.367 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Tgt Ion: 83 Resp: 305566
 Ion Ratio Lower Upper
 83 100
 55 87.3 71.4 107.0
 98 43.8 36.0 54.0



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

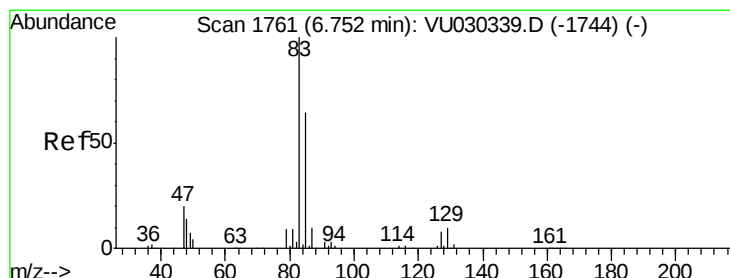
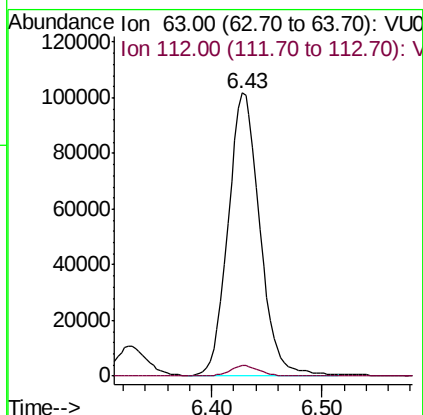
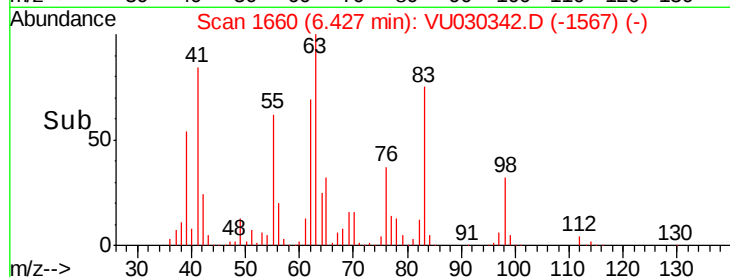
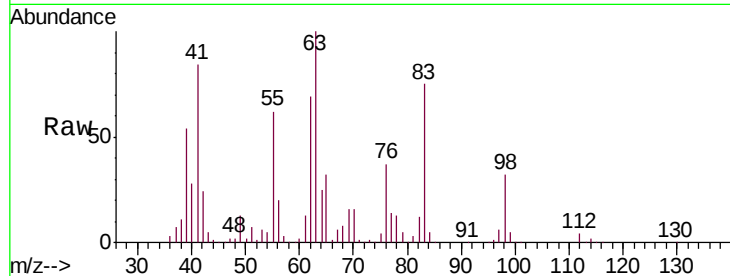




#37
 1,2-Dichloropropane
 Concen: 49.191 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

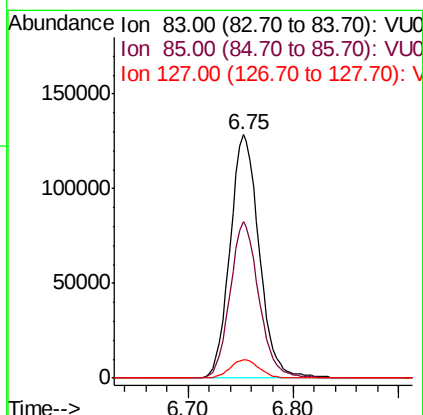
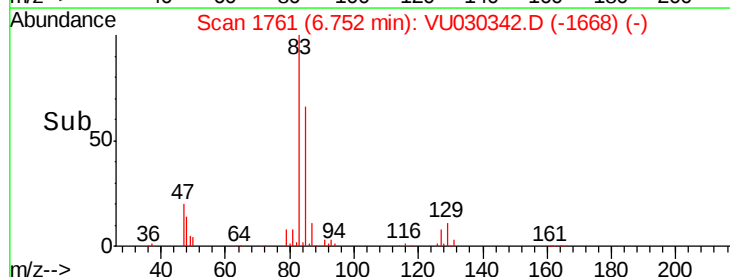
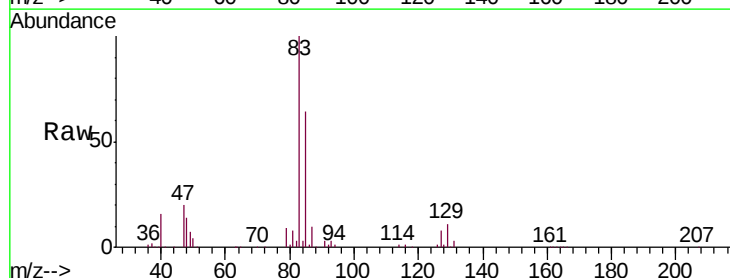
Instrument :
 MSVOA_U
 ClientSampled :
 VICV50

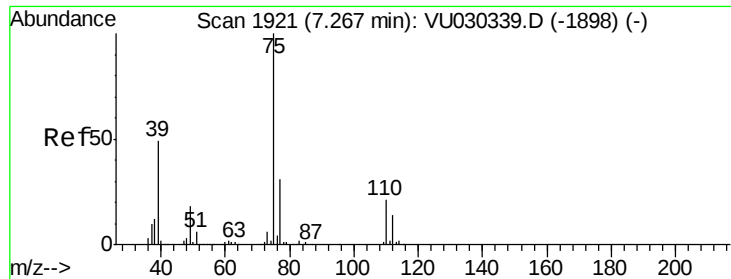
Tgt Ion: 63 Resp: 201363
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.6 4.0



#38
 Bromodichloromethane
 Concen: 50.342 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Tgt Ion: 83 Resp: 244856
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.0 83.6
 127 7.7 6.6 10.0

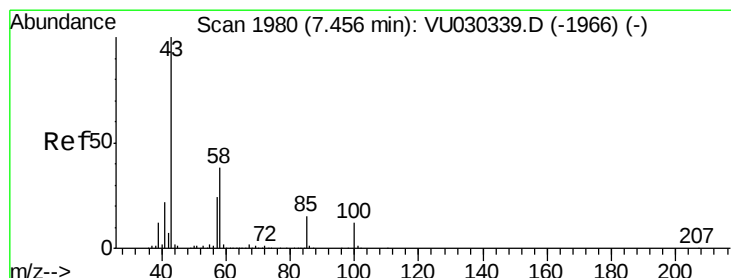
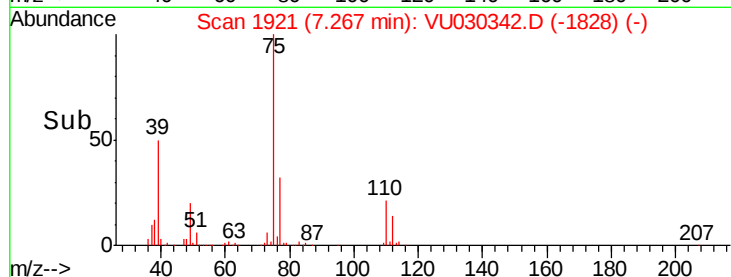
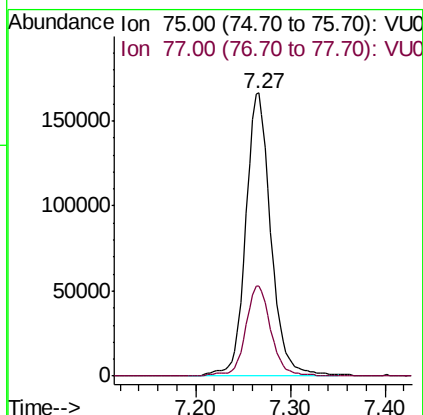
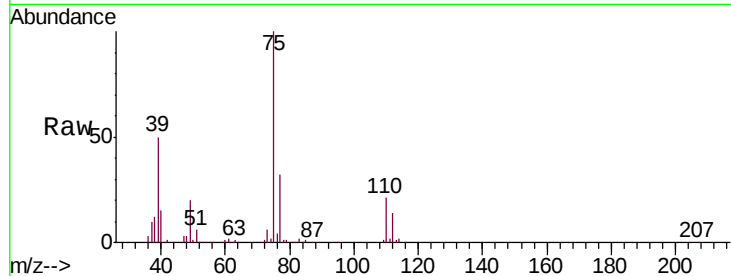




#39
 cis-1,3-Dichloropropene
 Concen: 52.302 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

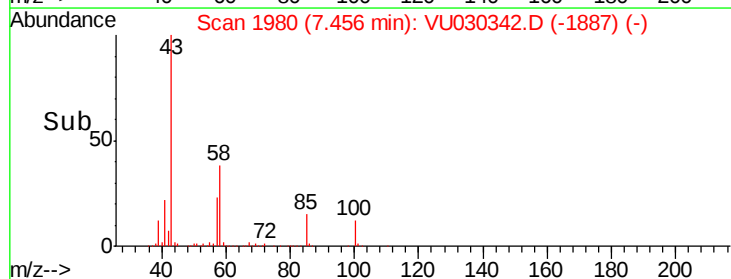
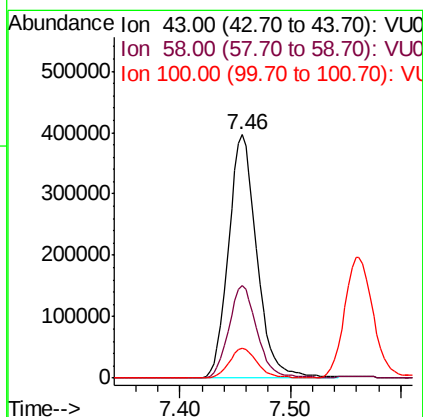
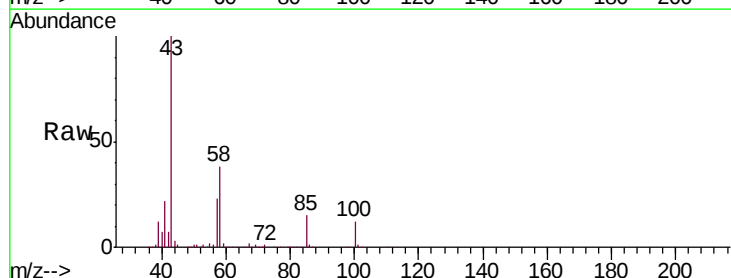
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV50

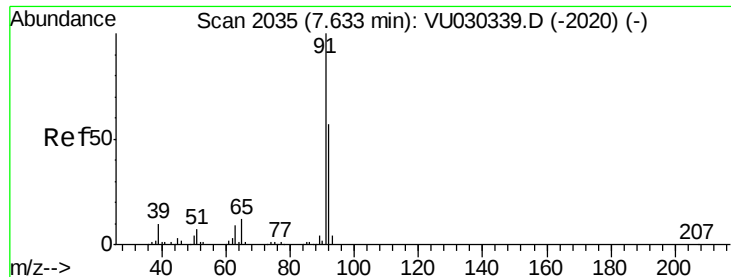
Tgt Ion: 75 Resp: 307732
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 102.912 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Tgt Ion: 43 Resp: 707604
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.6 45.8
 100 12.2 9.5 14.3





#42

Toluene

Concen: 51.752 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

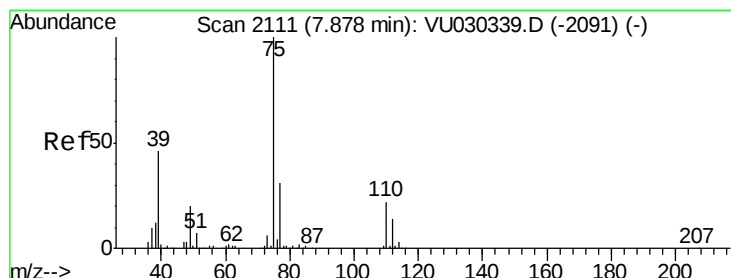
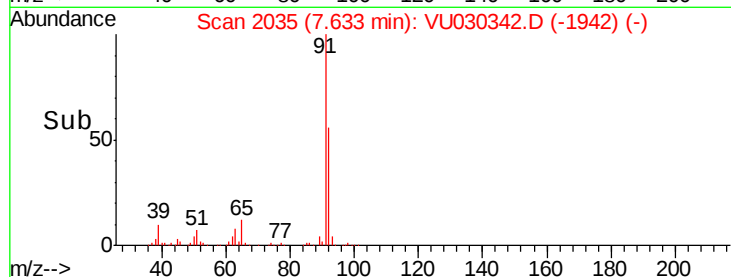
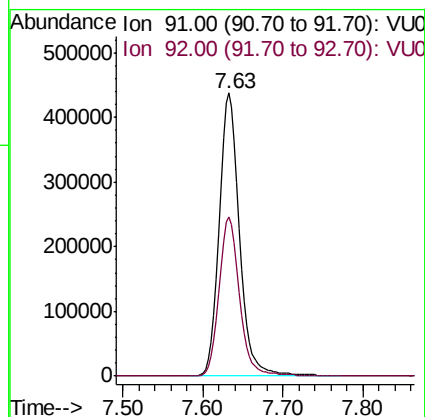
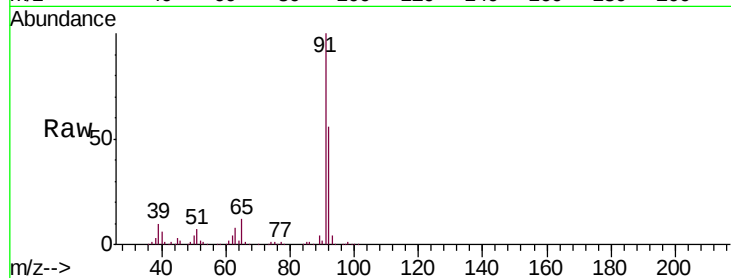
VICV50

Tgt Ion: 91 Resp: 774730

Ion Ratio Lower Upper

91 100

92 56.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 53.019 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU030342.D

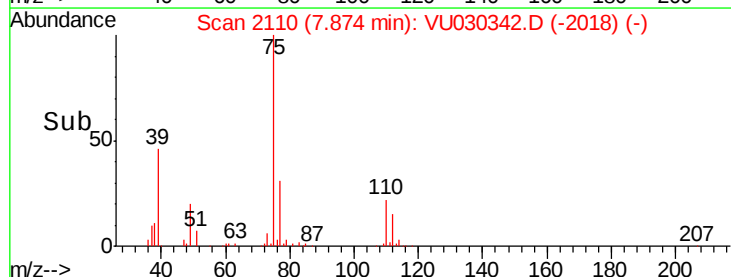
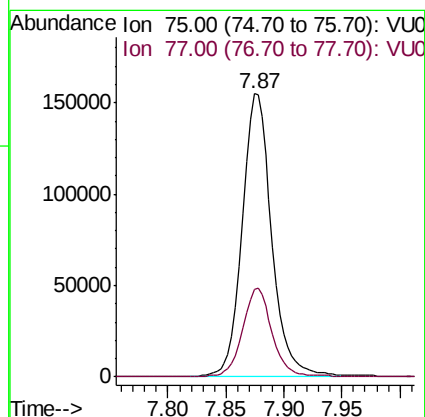
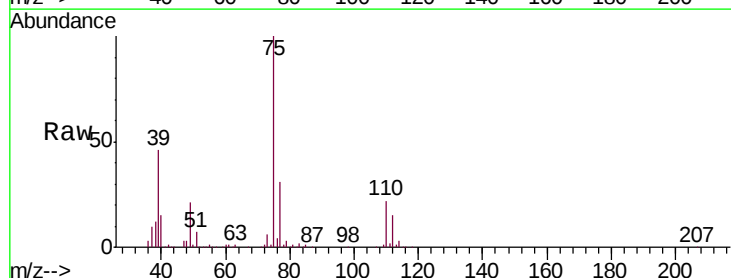
Acq: 23 Mar 2019 15:28

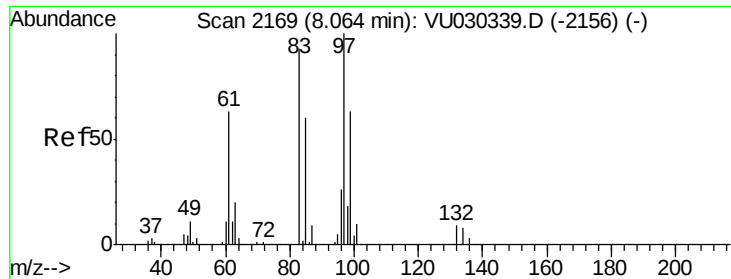
Tgt Ion: 75 Resp: 274484

Ion Ratio Lower Upper

75 100

77 30.8 22.0 40.8

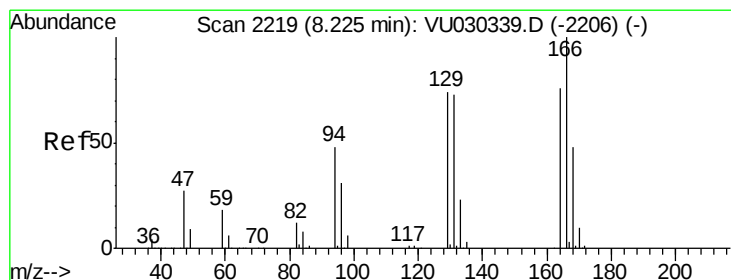
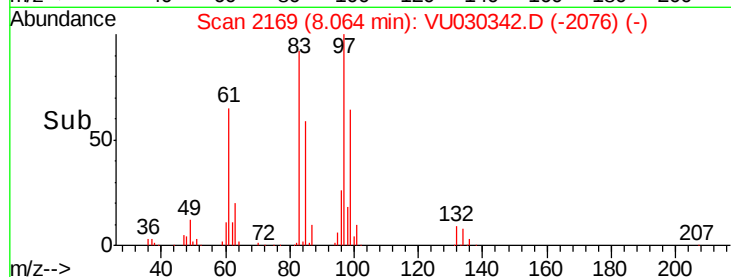
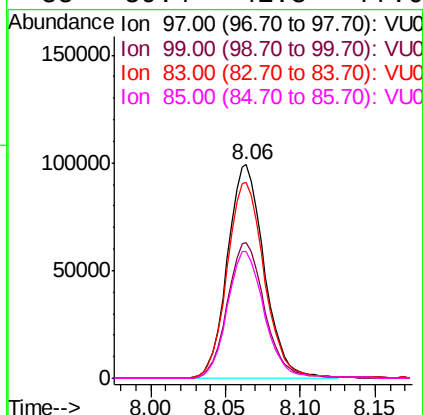
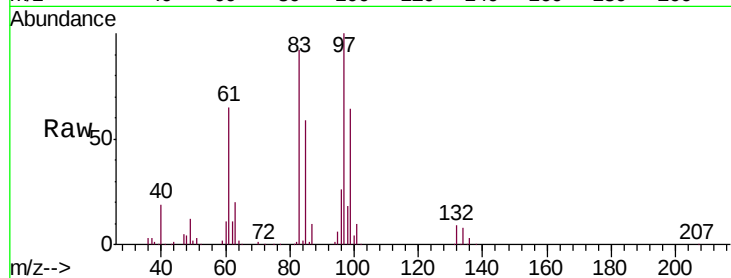




#45
 1,1,2-Trichloroethane
 Concen: 49.143 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

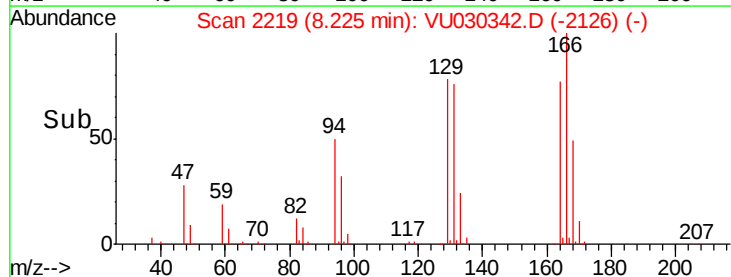
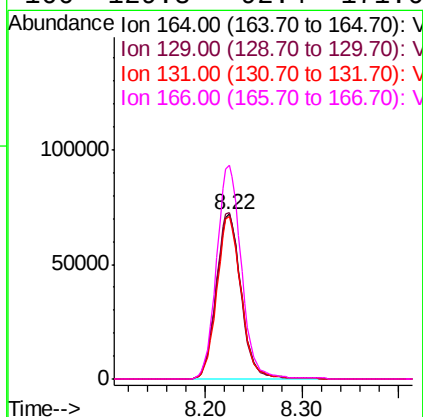
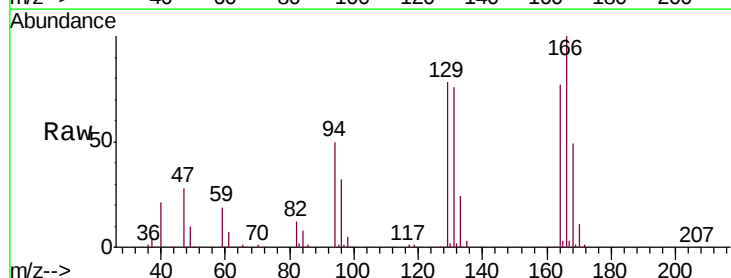
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV50

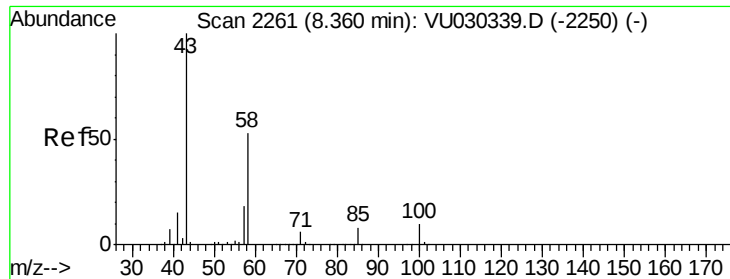
Tgt Ion:	97	Resp:	169972
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.0	81.8
83	91.9	65.3	121.3
85	59.4	41.8	77.6



#46
 Tetrachloroethene
 Concen: 51.917 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Tgt Ion:	164	Resp:	128585
Ion	Ratio	Lower	Upper
164	100		
129	101.0	68.1	126.5
131	98.8	67.7	125.7
166	129.8	92.4	171.6

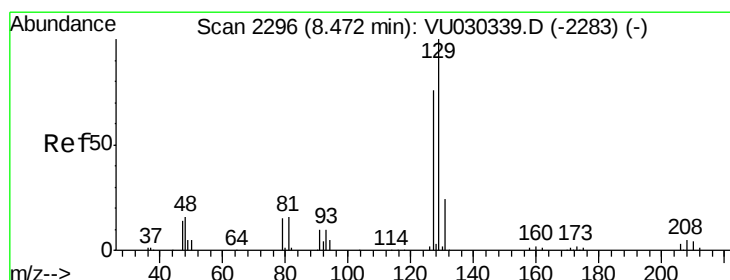
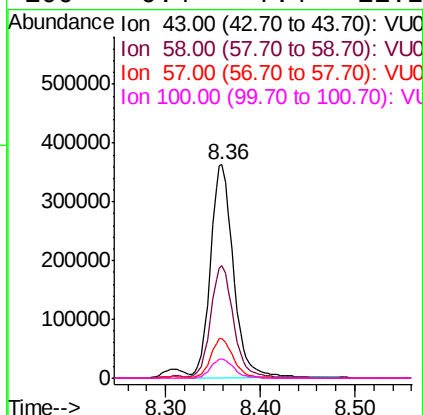
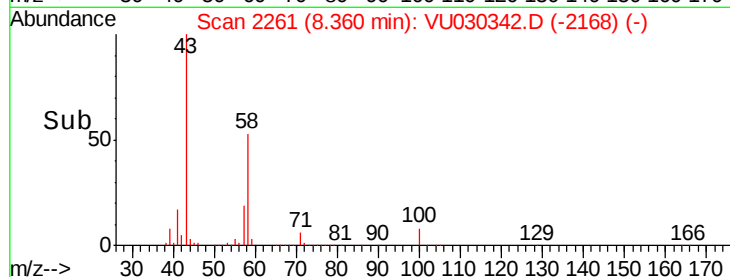
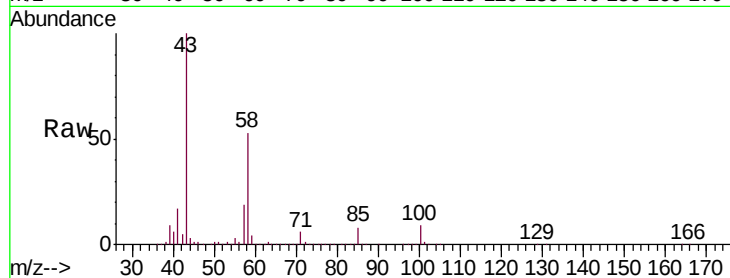




#48
2-Hexanone
Concen: 108.511 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

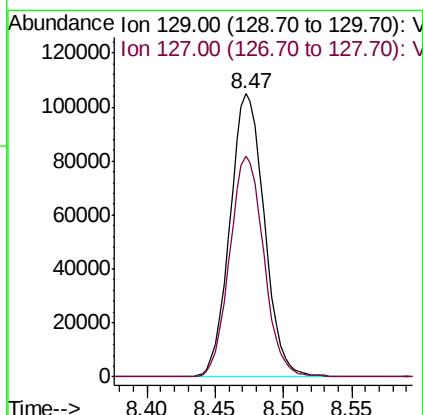
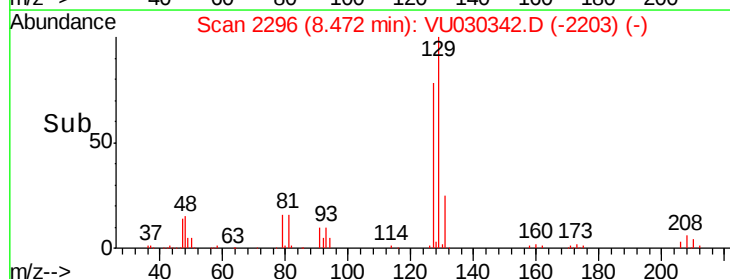
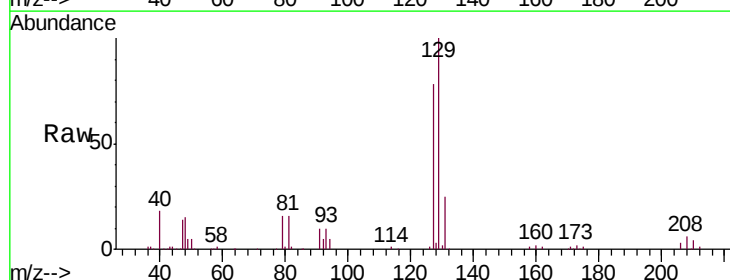
Instrument :
MSVOA_U
ClientSampleId :
VICV50

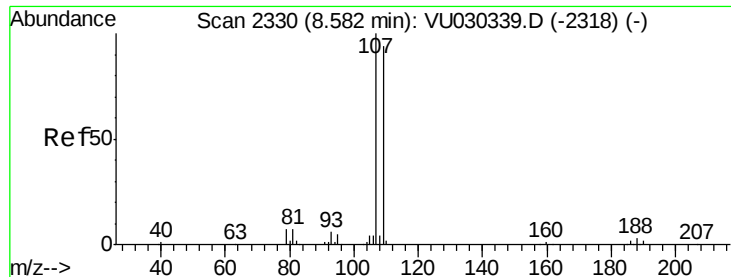
Tgt Ion: 43 Resp: 611500
Ion Ratio Lower Upper
43 100
58 52.3 42.5 63.7
57 18.1 15.0 22.6
100 9.4 7.4 11.2



#49
Dibromochloromethane
Concen: 51.156 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Tgt Ion: 129 Resp: 183848
Ion Ratio Lower Upper
129 100
127 77.8 53.2 98.8

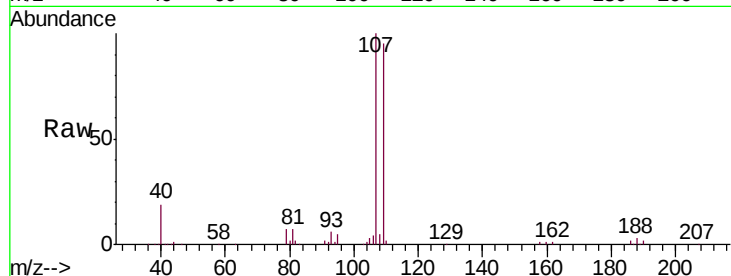




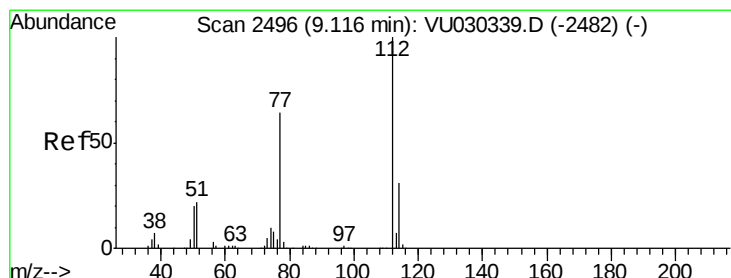
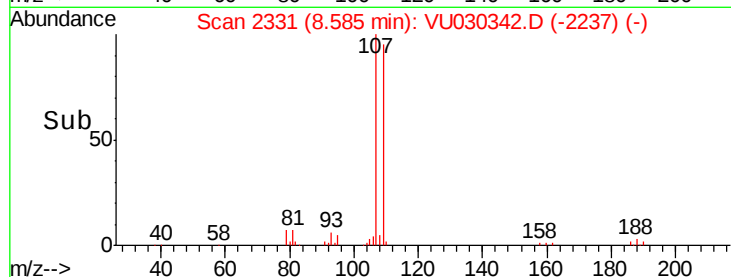
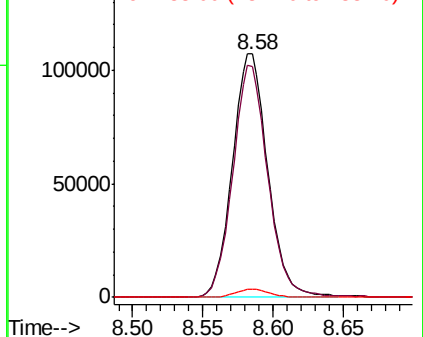
#50
1,2-Dibromoethane
Concen: 50.701 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Instrument :
MSVOA_U
ClientSampled :
VICV50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	65.8	122.2
188	3.5	2.6	4.0

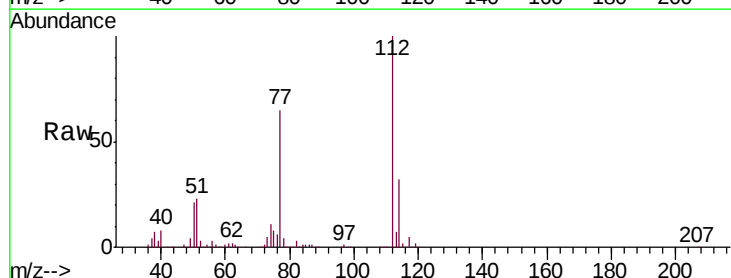


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

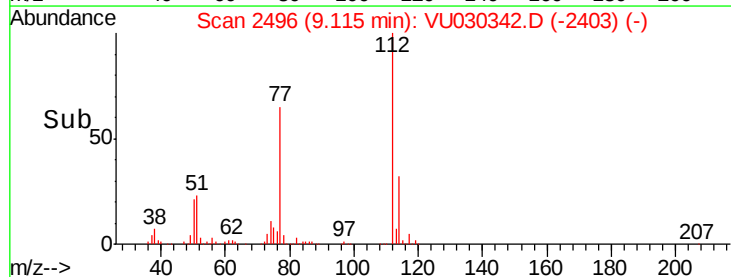
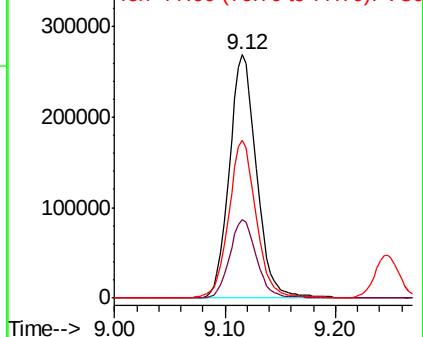


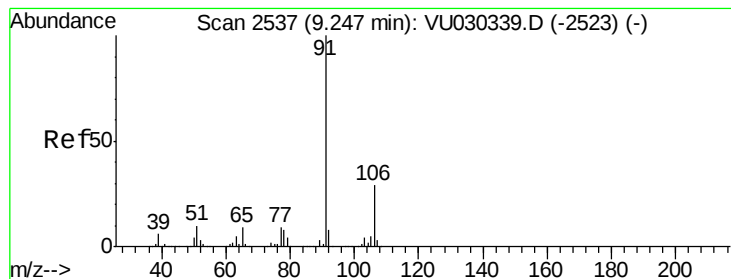
#51
Chlorobenzene
Concen: 50.749 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030342.D
Acq: 23 Mar 2019 15:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.5	39.9
77	64.7	51.4	77.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 52.178 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

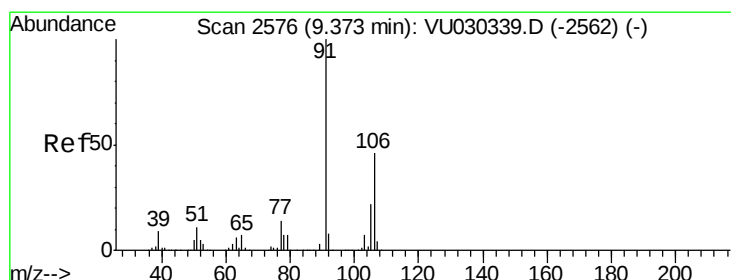
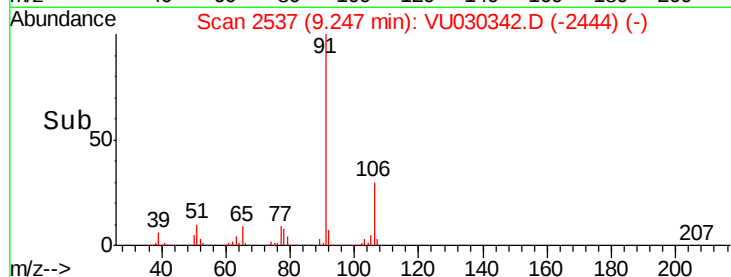
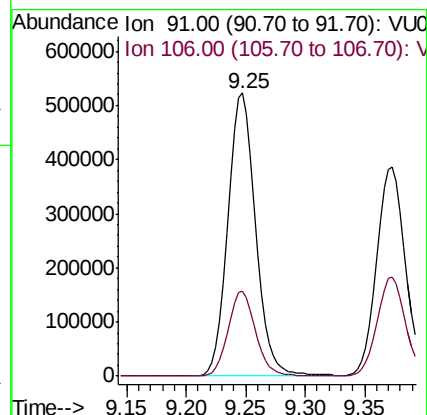
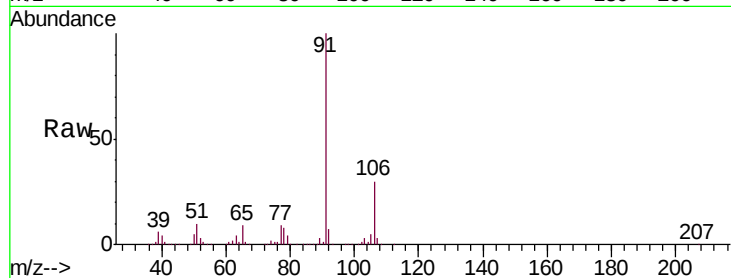
VICV50

Tgt Ion: 91 Resp: 846157

Ion Ratio Lower Upper

91 100

106 30.0 20.6 38.2



#53

m,p-Xylene

Concen: 51.673 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU030342.D

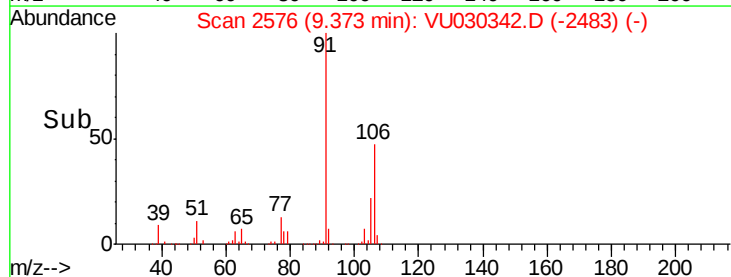
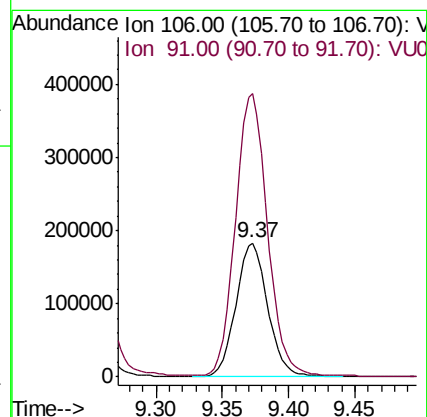
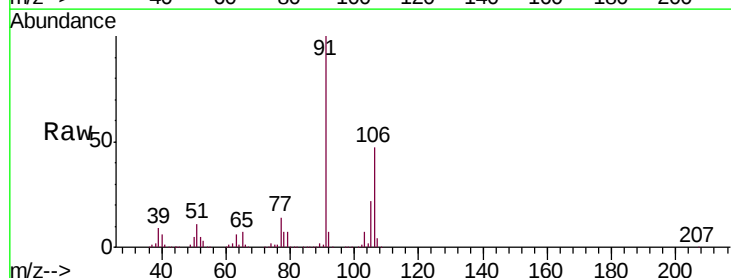
Acq: 23 Mar 2019 15:28

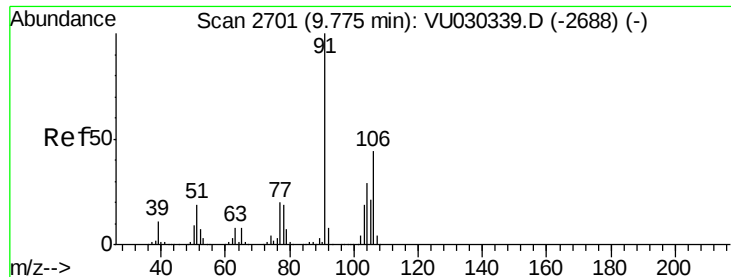
Tgt Ion: 106 Resp: 302565

Ion Ratio Lower Upper

106 100

91 211.7 151.2 280.8





#54

o-xylene

Concen: 52.570 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

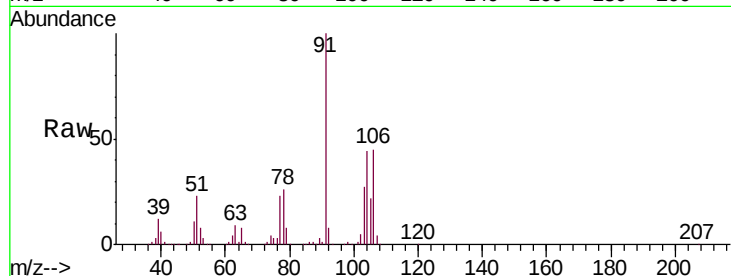
VICV50

Tgt Ion:106 Resp: 300350

Ion Ratio Lower Upper

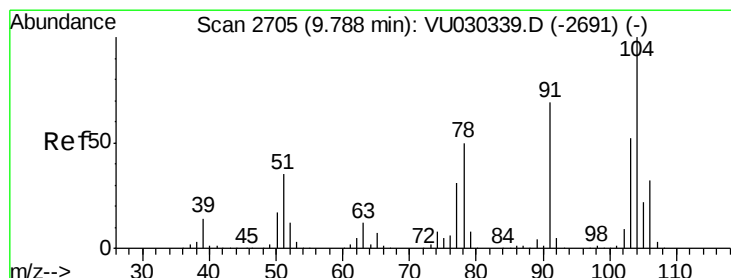
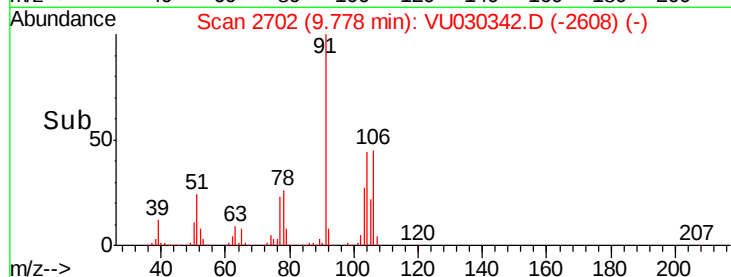
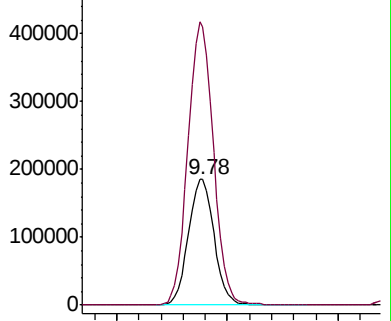
106 100

91 221.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.185 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030342.D

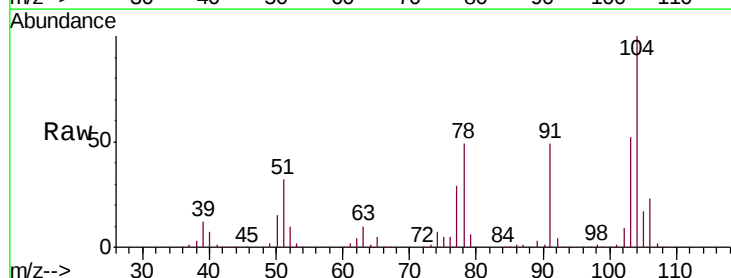
Acq: 23 Mar 2019 15:28

Tgt Ion:104 Resp: 523437

Ion Ratio Lower Upper

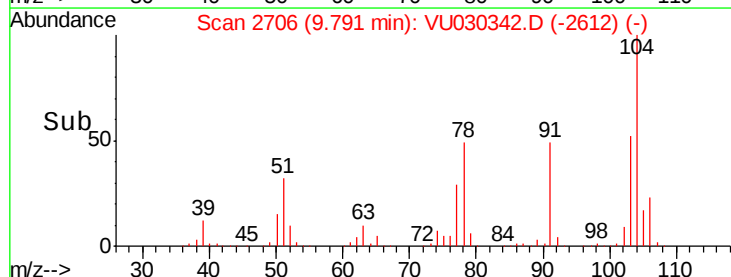
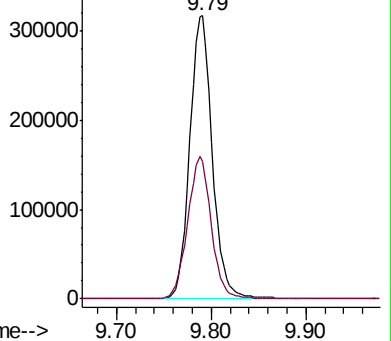
104 100

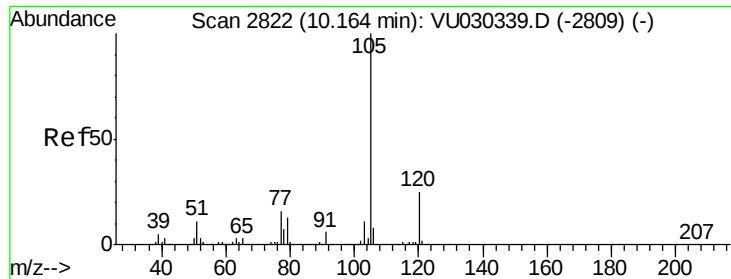
78 48.5 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.524 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

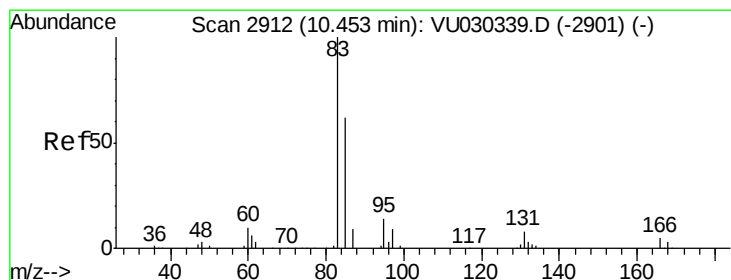
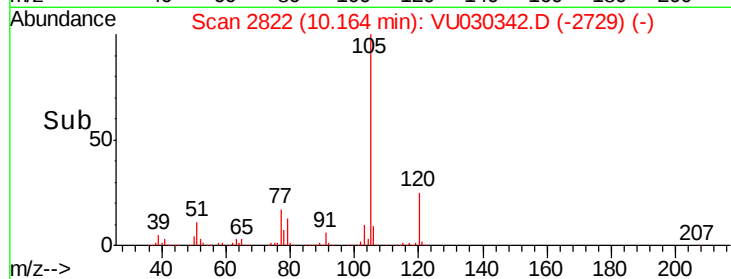
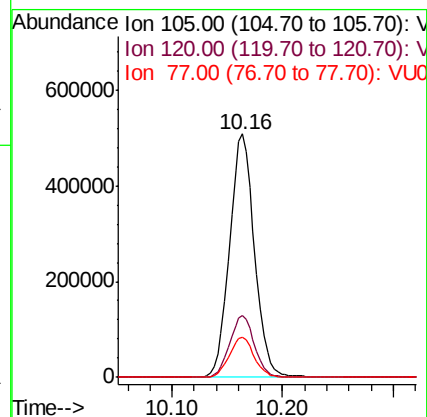
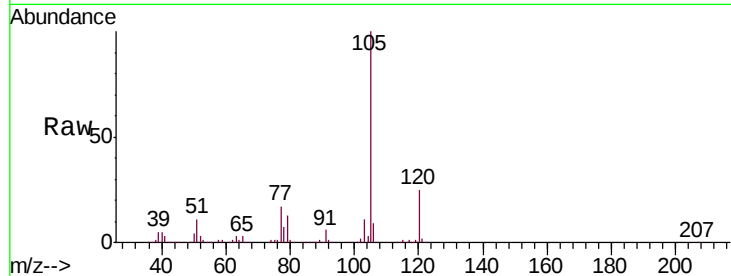
Tgt Ion: 105 Resp: 794588

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

77 16.5 13.2 19.8



#58

1,1,2,2-Tetrachloroethane

Concen: 49.746 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

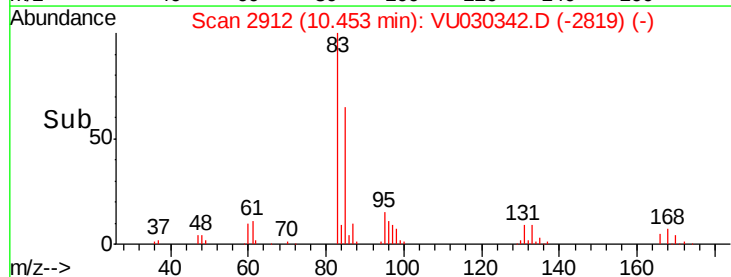
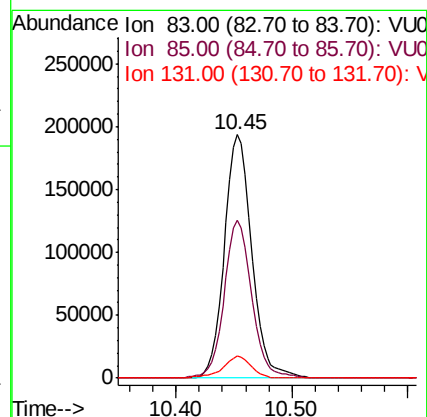
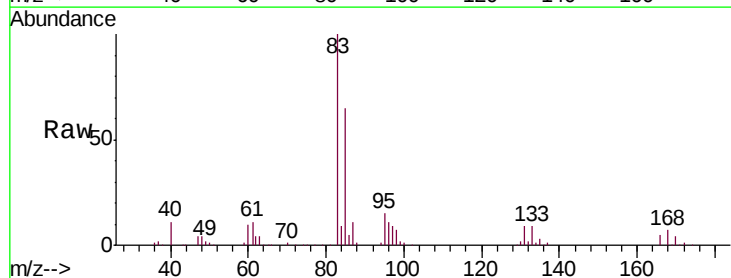
Tgt Ion: 83 Resp: 317111

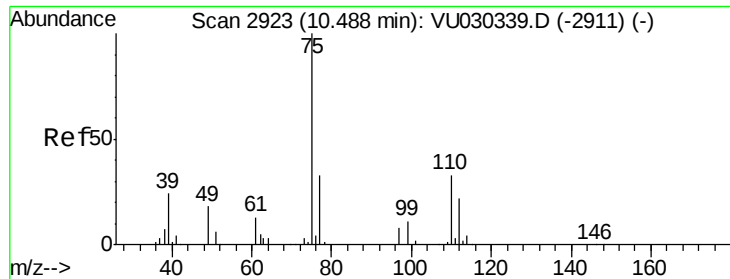
Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

131 8.9 6.7 10.1





#59

1,2,3-Trichloropropane

Concen: 50.019 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

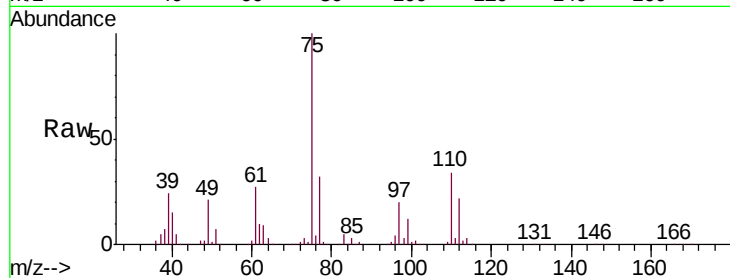
VICV50

Tgt Ion: 75 Resp: 249222

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU030339.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030339.D (-2911) (-)

10.49

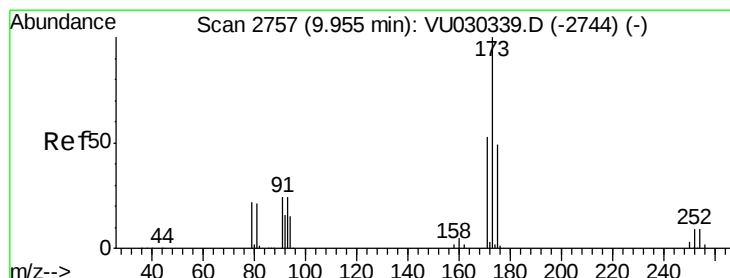
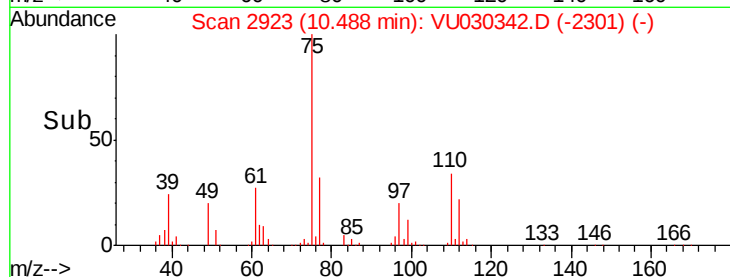
150000

100000

50000

0

Time--> 10.40 10.50 10.60



#61

Bromoform

Concen: 49.923 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

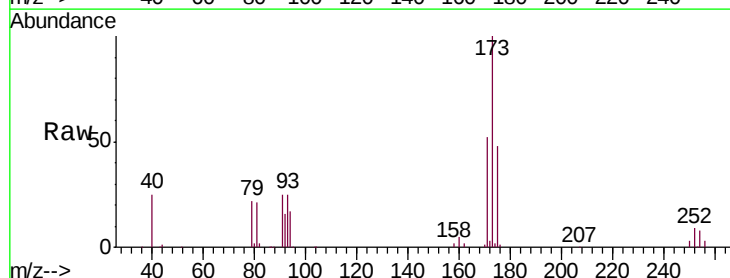
Tgt Ion: 173 Resp: 135754

Ion Ratio Lower Upper

173 100

175 48.4 38.5 57.7

254 8.2 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VU030339.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU030339.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU030339.D (-2744) (-)

9.95

100000

80000

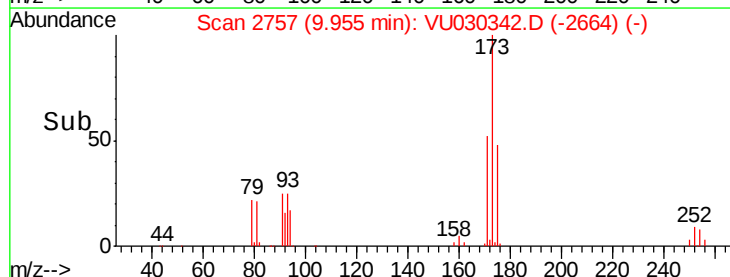
60000

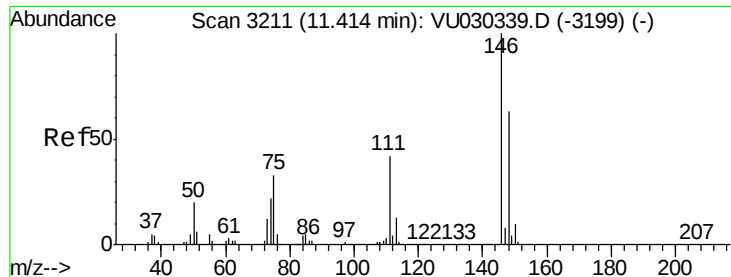
40000

20000

0

Time--> 9.90 10.00





#62

1,3-Dichlorobenzene

Concen: 51.573 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

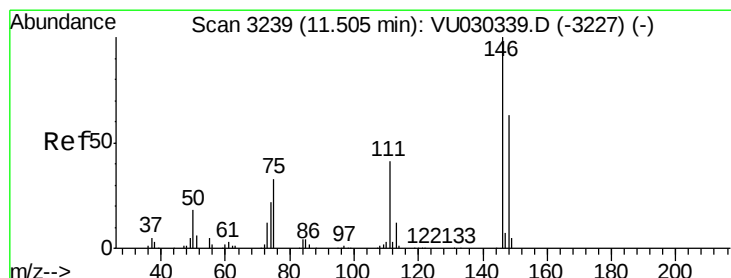
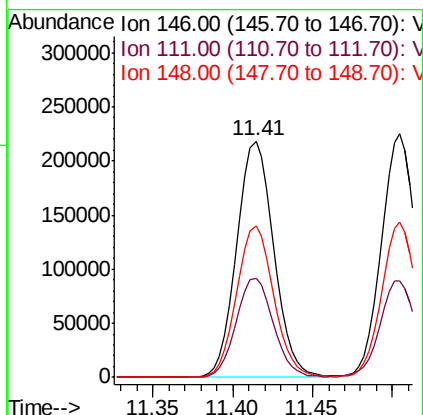
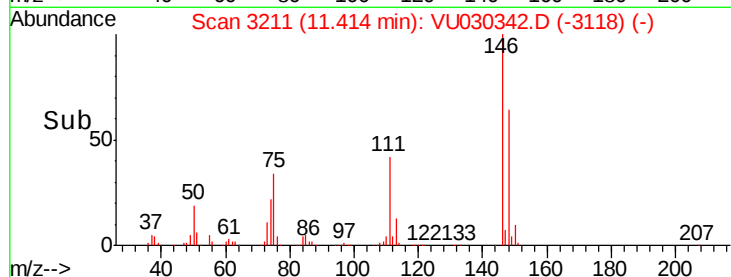
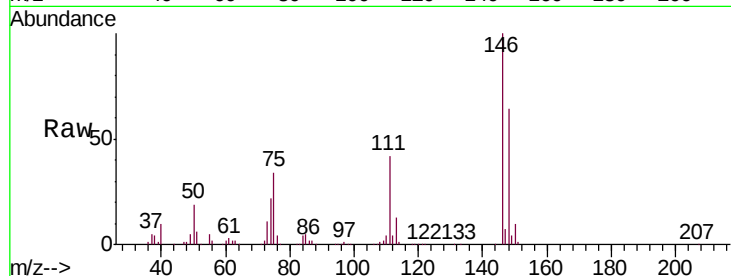
Tgt Ion:146 Resp: 344944

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

148 64.0 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 51.125 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

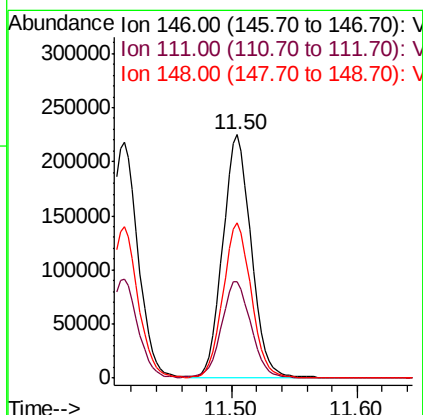
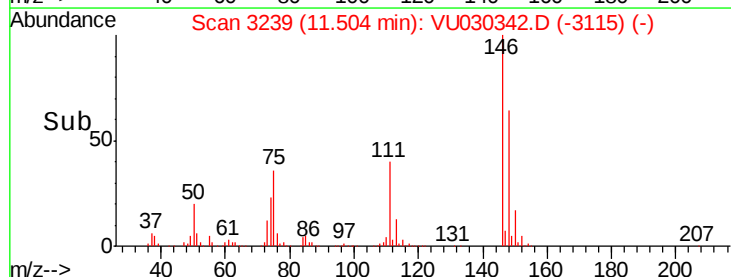
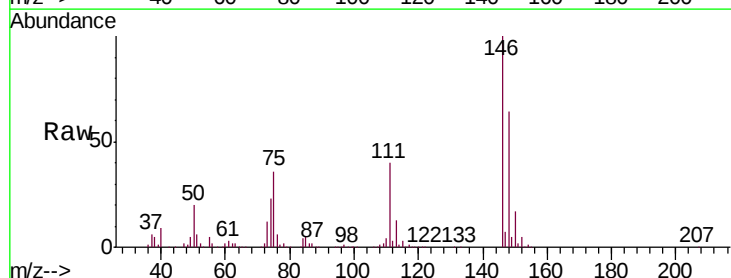
Tgt Ion:146 Resp: 352022

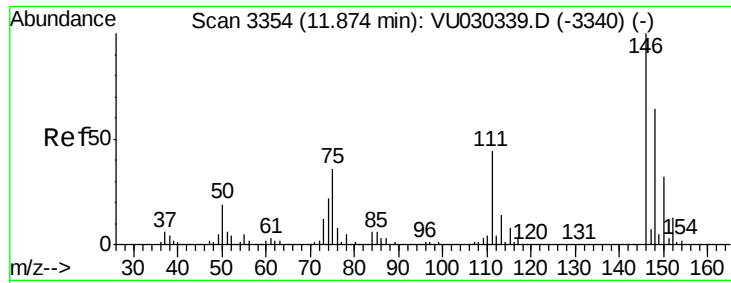
Ion Ratio Lower Upper

146 100

111 39.8 28.7 53.3

148 63.5 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 50.675 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampled :

VICV50

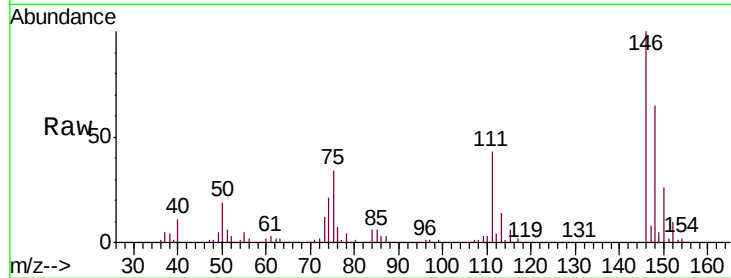
Tgt Ion:146 Resp: 342718

Ion Ratio Lower Upper

146 100

111 42.7 34.9 52.3

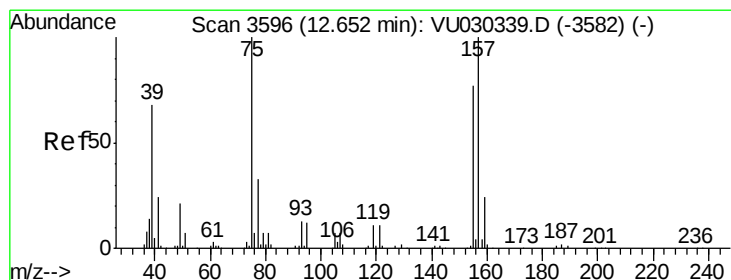
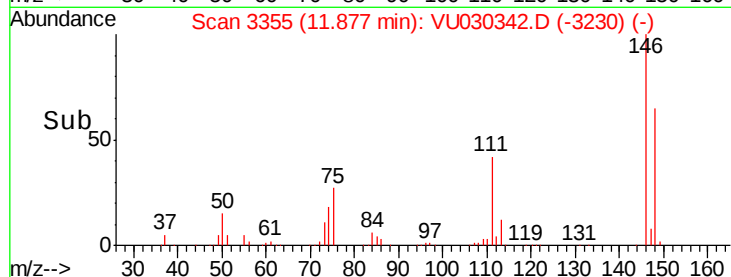
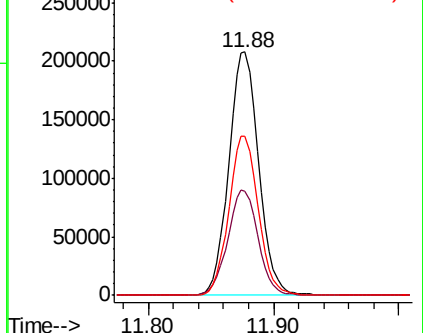
148 65.2 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 49.510 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

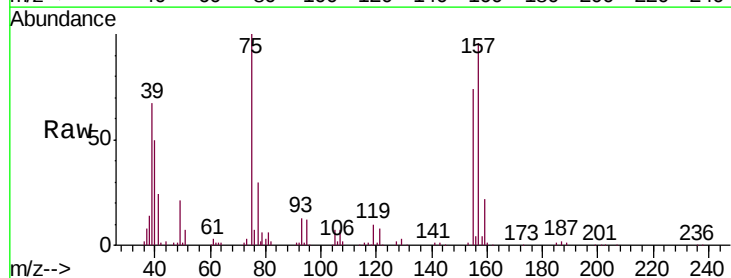
Tgt Ion: 75 Resp: 74556

Ion Ratio Lower Upper

75 100

155 73.6 61.8 92.6

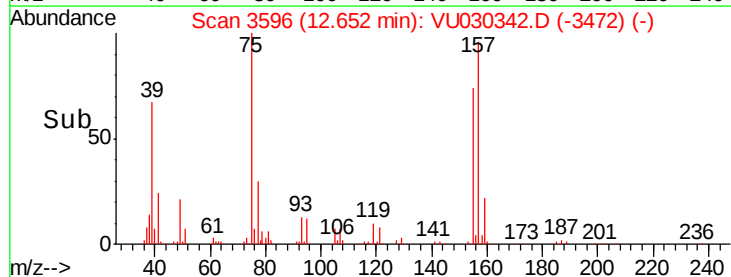
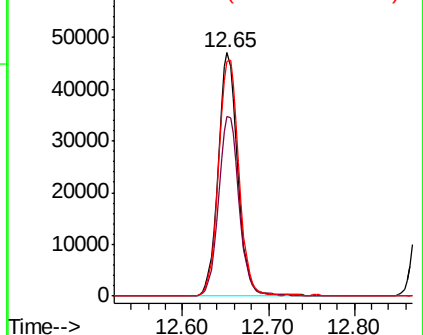
157 96.5 80.2 120.4

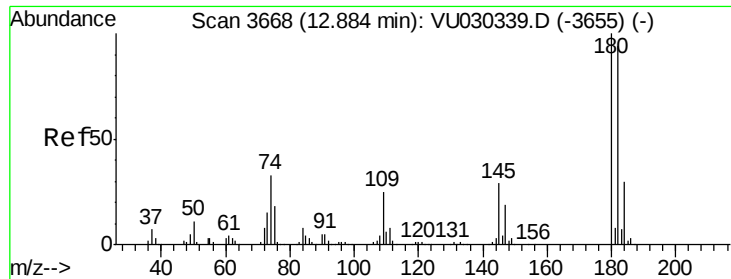


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

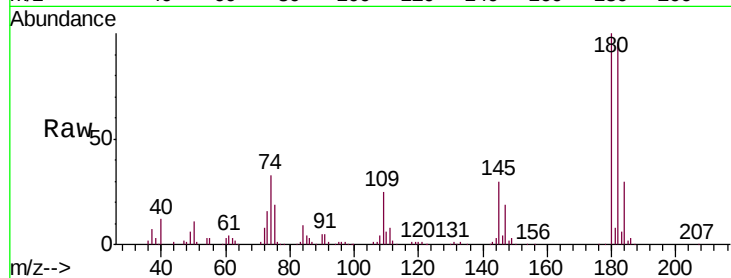




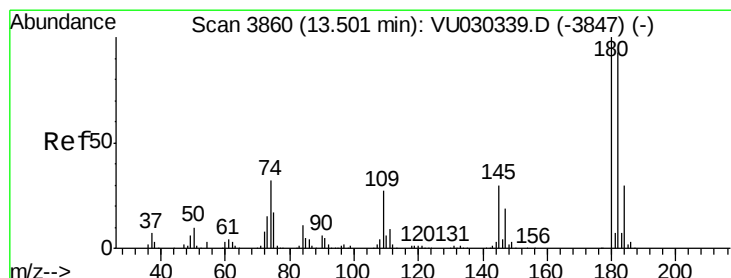
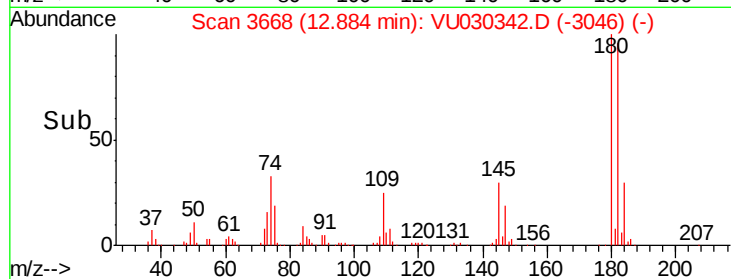
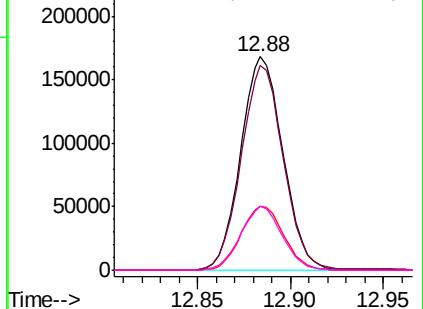
#67
 1,3,5-Trichlorobenzene
 Concen: 53.074 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV50

Tgt Ion:	180	Resp:	265746
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.9	113.9
184	30.3	24.1	36.1
145	29.5	23.8	35.8

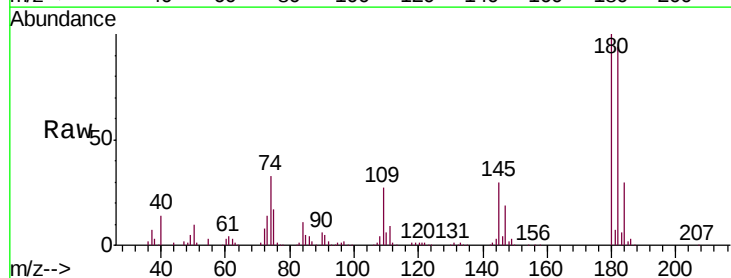


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

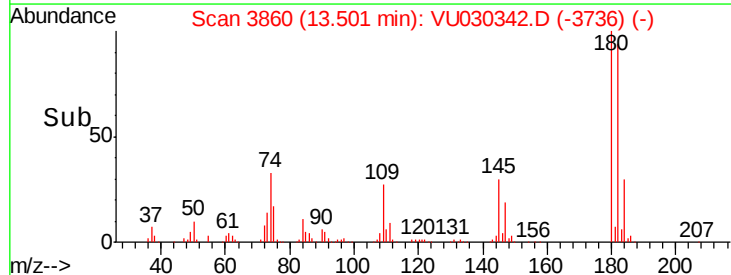
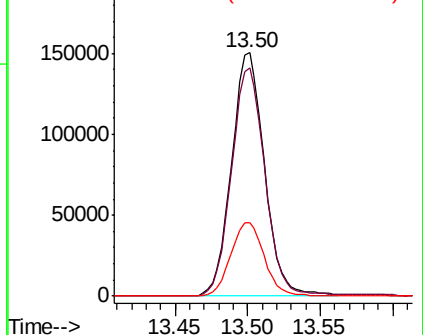


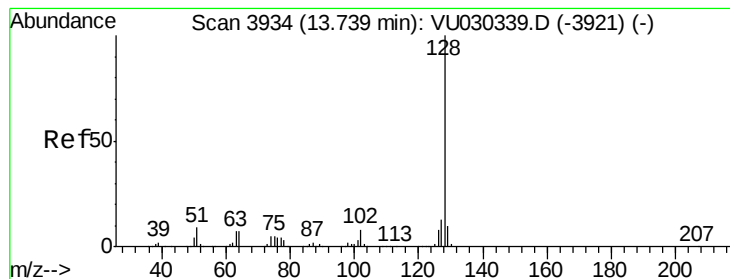
#68
 1,2,4-trichlorobenzene
 Concen: 54.647 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU030342.D
 Acq: 23 Mar 2019 15:28

Tgt Ion:	180	Resp:	237746
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.1	114.1
145	30.6	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





#69

Naphthalene

Concen: 57.707 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

Instrument :

MSVOA_U

ClientSampleId :

VICV50

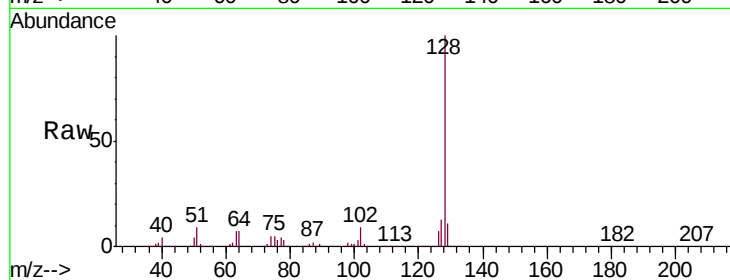
Tgt Ion:128 Resp: 892724

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

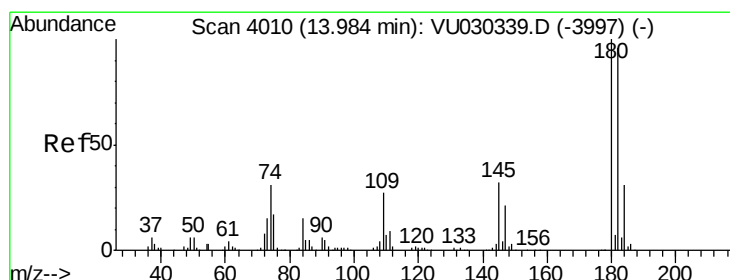
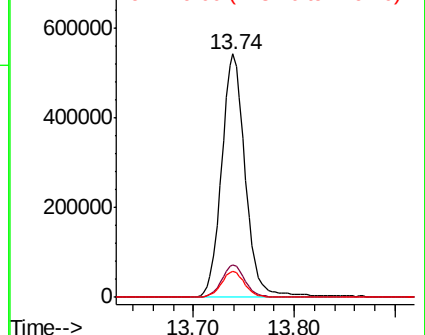
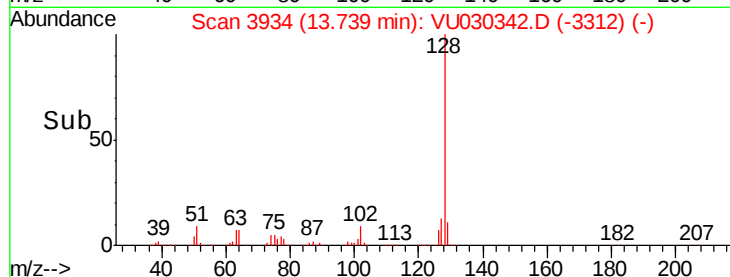
129 10.5 8.4 12.6



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: 53.109 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030342.D

Acq: 23 Mar 2019 15:28

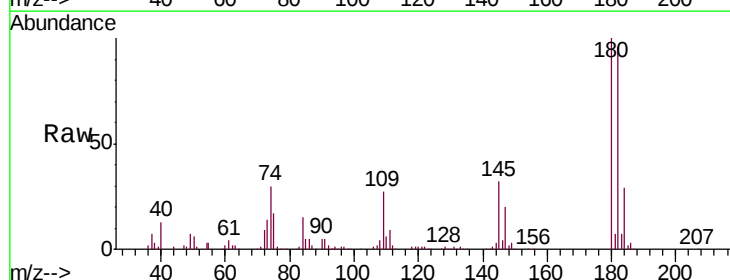
Tgt Ion:180 Resp: 243984

Ion Ratio Lower Upper

180 100

182 96.5 77.4 116.2

145 32.4 25.9 38.9



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

