

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100620\
 Data File : VU040528.D
 Acq On : 06 Oct 2020 15:04
 Operator : SY/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Quant Time: Oct 07 07:39:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	283375	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	278853	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	134176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	11198	4.66	ug/L	0.00
7) Chloroethane-d5	1.92	69	7939	4.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	21951	4.75	ug/L	0.00
21) 2-Butanone-d5	4.64	46	16784	8.48	ug/L	0.00
24) Chloroform-d	5.09	84	17896	4.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	13653	4.56	ug/L	0.00
32) Benzene-d6	5.74	84	34758	4.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	12158	4.51	ug/L	0.00
41) Toluene-d8	7.91	98	30834	4.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	5884	4.31	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	9376	7.82	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	18617	4.91	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	14982	5.73	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	14253	6.646	ug/L 100
3) Chloromethane	1.53	50	15249	6.092	ug/L 98
5) Vinyl chloride	1.61	62	14626	5.848	ug/L 88
6) Bromomethane	1.87	94	7737	5.854	ug/L 94
8) Chloroethane	1.94	64	9356	5.871	ug/L 91
9) Trichlorofluoromethane	2.15	101	19364	5.670	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	11404	5.303	ug/L 98
12) 1,1-Dichloroethene	2.59	96	10288	5.139	ug/L 90
13) Acetone	2.64	43	17616	8.601	ug/L 98
14) Carbon disulfide	2.81	76	38255	5.930	ug/L 98
15) Methyl Acetate	2.96	43	15328	4.901	ug/L 99
16) Methylene chloride	3.06	84	12563	5.319	ug/L 91
17) trans-1,2-Dichloroethene	3.37	96	11437	5.524	ug/L 97
18) Methyl tert-butyl Ether	3.38	73	32935	4.870	ug/L 100
19) 1,1-Dichloroethane	3.89	63	22103	5.125	ug/L 98
20) cis-1,2-Dichloroethene	4.69	96	11574	5.106	ug/L 97
22) 2-Butanone	4.72	43	23638	9.658	ug/L 98
23) Bromochloromethane	4.99	128	6232	5.255	ug/L 90
25) Chloroform	5.11	83	22928	5.259	ug/L 97
27) 1,2-Dichloroethane	5.81	62	18615	5.034	ug/L 97
29) Cyclohexane	5.40	56	17698	4.666	ug/L 99
30) 1,1,1-Trichloroethane	5.33	97	18470	5.135	ug/L 97
31) Carbon tetrachloride	5.54	117	15874	5.077	ug/L 99
33) Benzene	5.79	78	45587	5.021	ug/L 100
34) Trichloroethene	6.56	95	12289	5.283	ug/L 96
35) Methylcyclohexane	6.78	83	17346	4.876	ug/L 96
37) 1,2-Dichloropropane	6.80	63	12427	4.875	ug/L # 95
38) Bromodichloromethane	7.12	83	16569	5.119	ug/L 90
39) cis-1,3-Dichloropropene	7.62	75	17060	4.651	ug/L 96
40) 4-Methyl-2-pentanone	7.80	43	37587	9.229	ug/L 98

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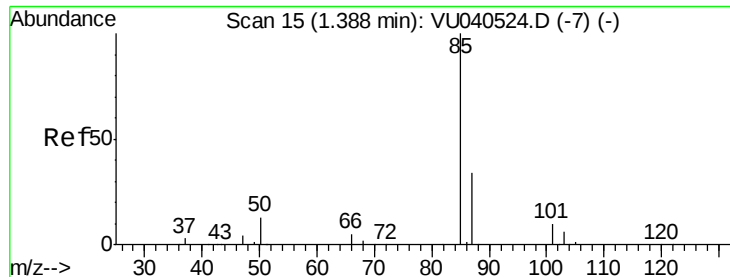
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	43619	4.748	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	17074	4.589	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	11189	5.020	ug/L	96
46) Tetrachloroethene	8.56	164	8494	5.192	ug/L	95
48) 2-Hexanone	8.69	43	31324	9.601	ug/L	98
49) Dibromochloromethane	8.82	129	11897	4.895	ug/L	92
50) 1,2-Dibromoethane	8.93	107	11541	4.857	ug/L #	100
51) Chlorobenzene	9.45	112	31684	5.207	ug/L	98
52) Ethylbenzene	9.57	91	49852	4.877	ug/L	100
53) m,p-Xylene	9.70	106	17894	4.814	ug/L	96
54) o-xylene	10.10	106	15595	4.292	ug/L	93
55) Styrene	10.11	104	28180	4.515	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.78	83	19928	5.095	ug/L	94
59) Bromoform	10.29	173	8401	5.177	ug/L	96
60) 1,2,3-Trichloropropane	10.82	75	16666	5.338	ug/L	99
61) Isopropylbenzene	10.48	105	44300	4.837	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	33503	4.467	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	33594	4.434	ug/L	96
64) 1,3-Dichlorobenzene	11.74	146	23872	5.467	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	26272	5.795	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	24195	5.561	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	4616	5.288	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	15265	5.408	ug/L	95
70) 1,2,4-trichlorobenzene	13.83	180	14153	5.838	ug/L	98
71) Naphthalene	14.08	128	43241	5.896	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	14724	6.256	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 6.646 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

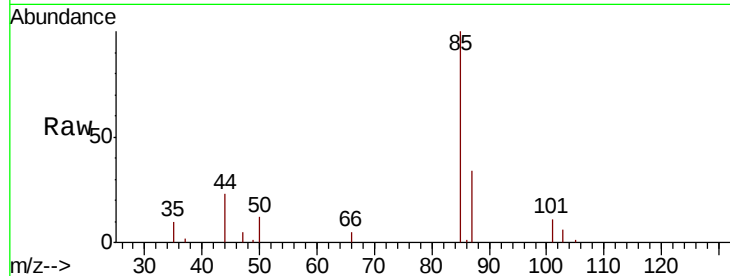
VSTD005202

Tot Ion: 85 Resp: 14253

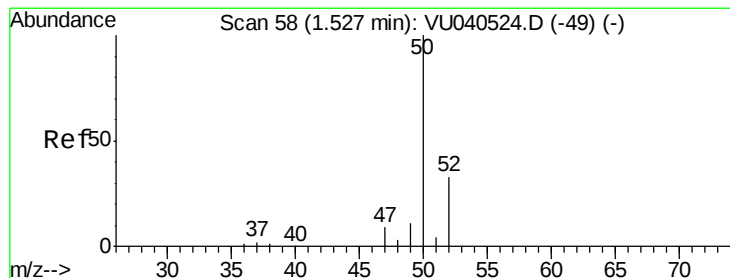
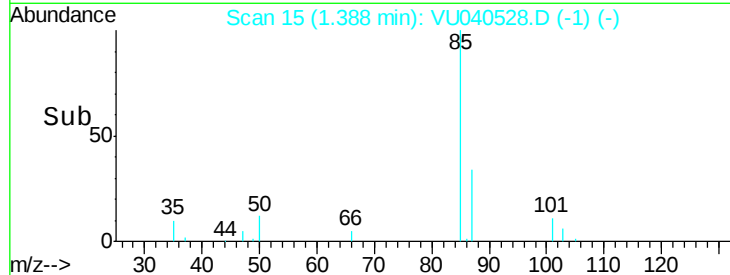
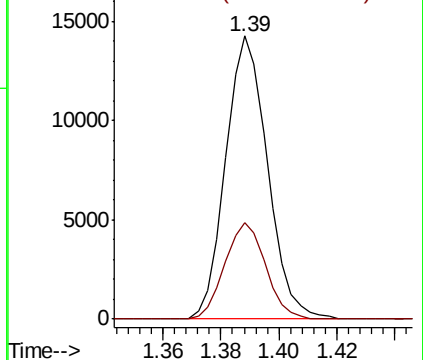
Ion Ratio Lower Upper

85 100

87 33.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU040528.D (-1) (-)



#3

Chloromethane

Concen: 6.092 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040528.D

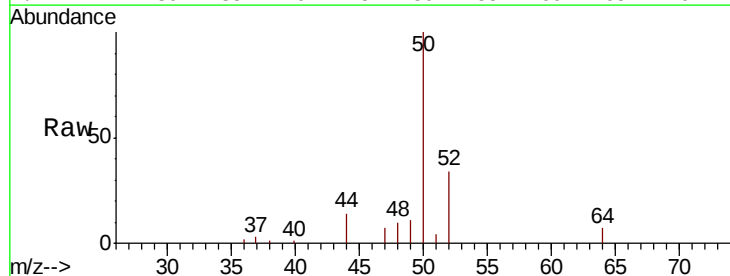
Acq: 06 Oct 2020 15:04

Tgt Ion: 50 Resp: 15249

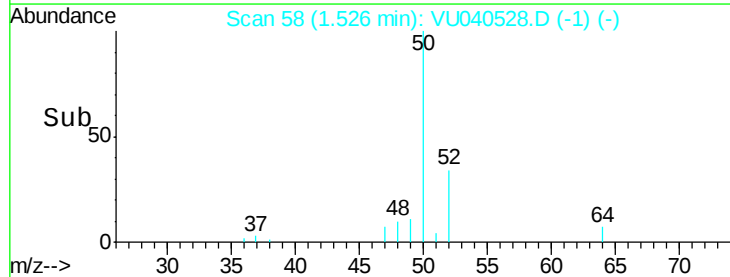
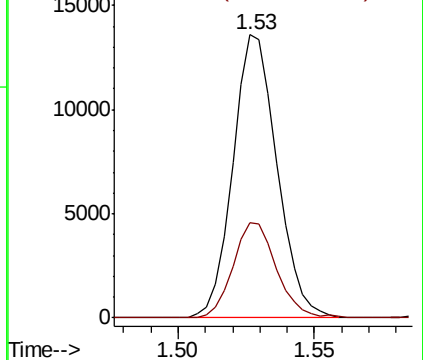
Ion Ratio Lower Upper

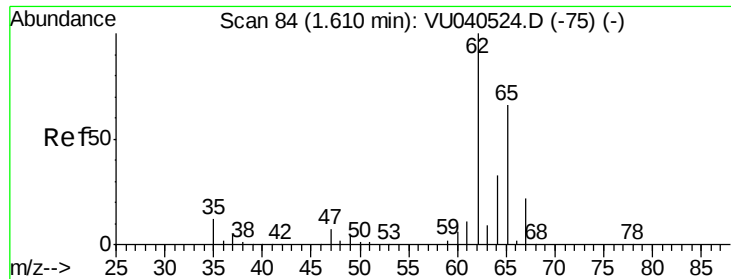
50 100

52 33.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU040528.D (-1) (-)





#5

Vinyl chloride

Concen: 5.848 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

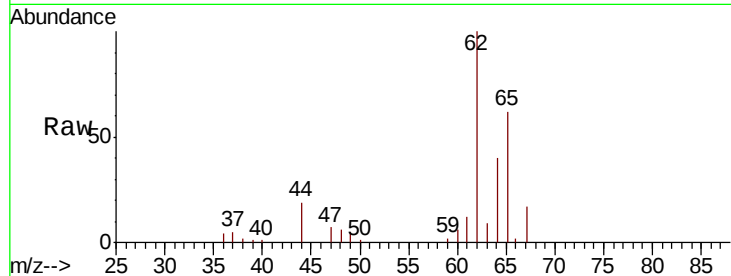
VSTD005202

Tot Ion: 62 Resp: 14626

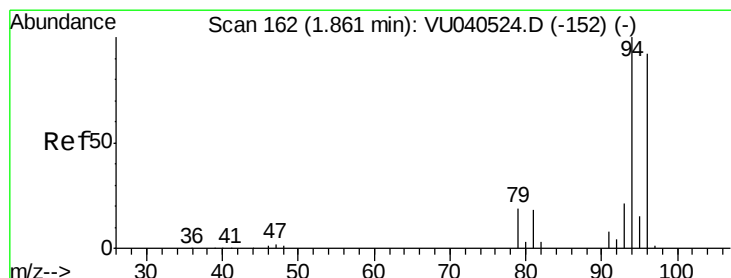
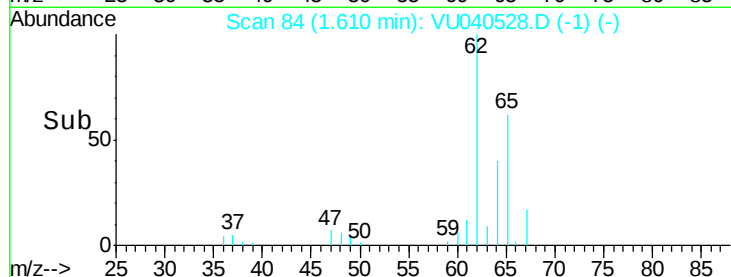
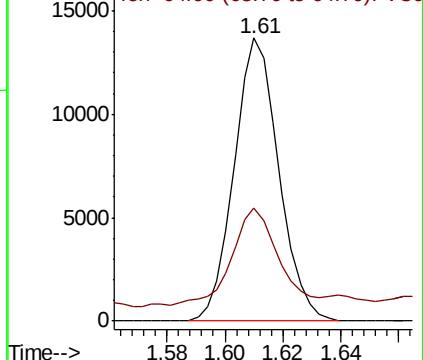
Ion Ratio Lower Upper

62 100

64 40.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU040528.D (-1) (-)



#6

Bromomethane

Concen: 5.854 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040528.D

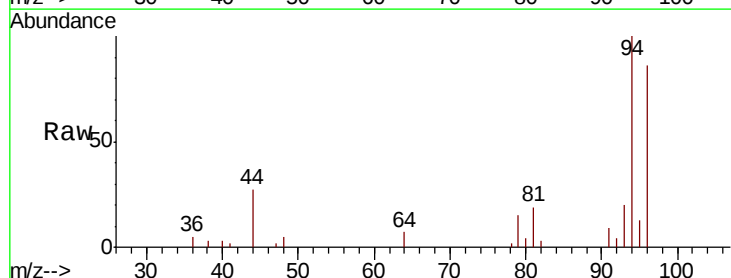
Acq: 06 Oct 2020 15:04

Tgt Ion: 94 Resp: 7737

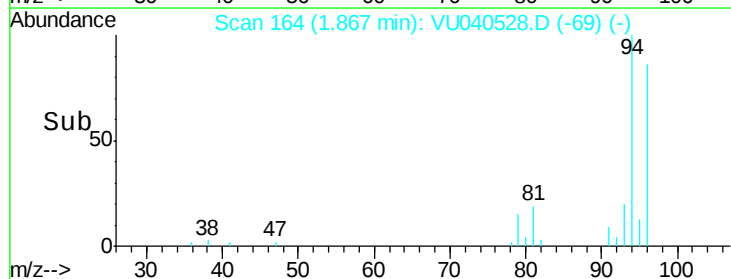
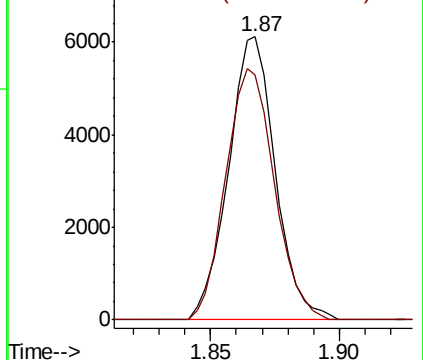
Ion Ratio Lower Upper

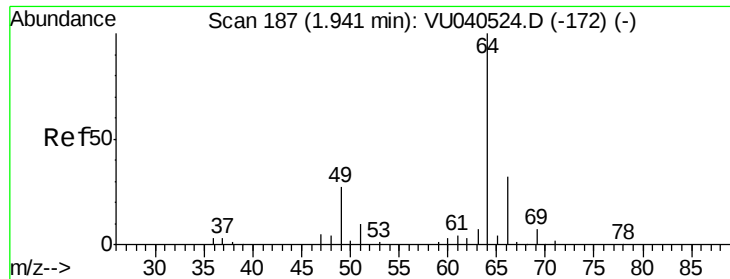
94 100

96 86.5 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VU040528.D (-69) (-)

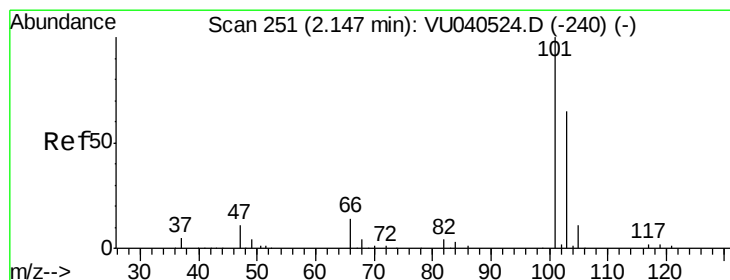
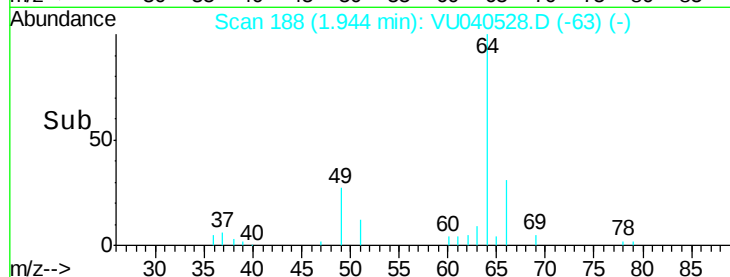
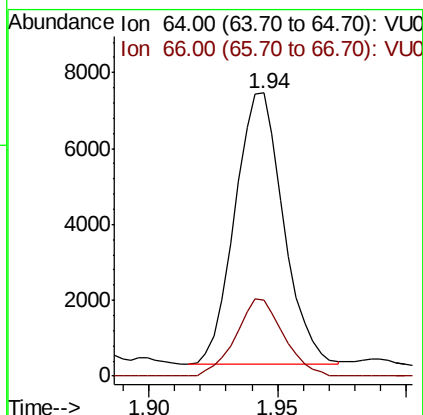
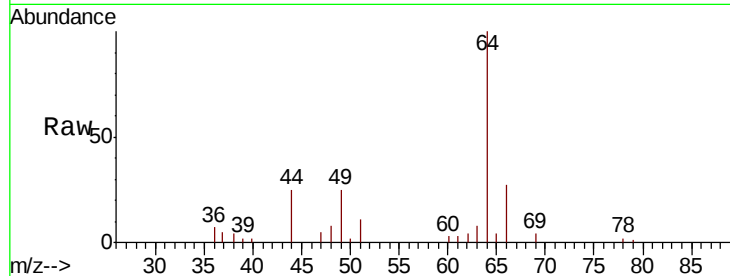




#8
Chloroethane
Concen: 5.871 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

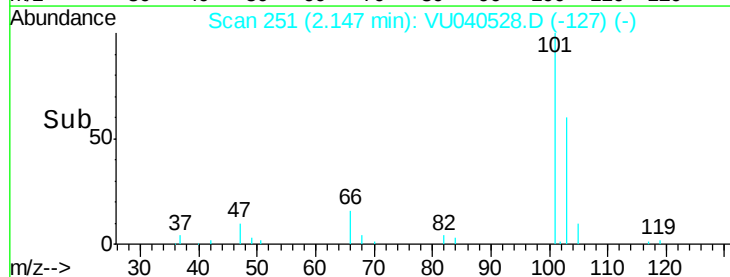
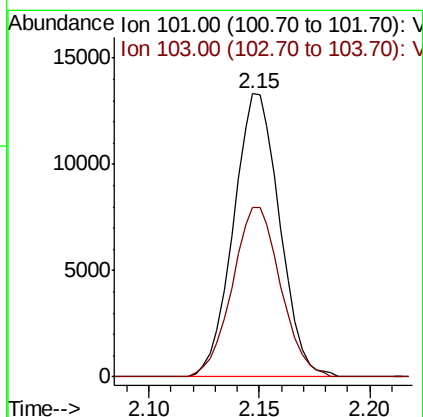
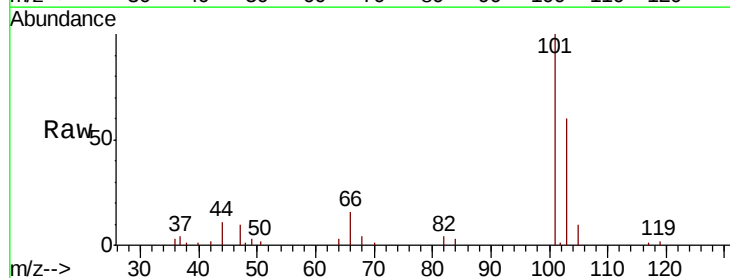
Instrument :
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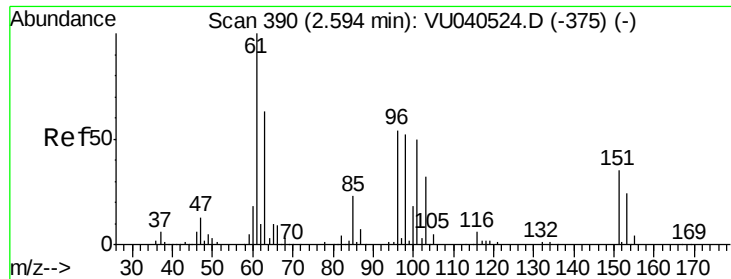
Tot Ion: 64 Resp: 9356
Ion Ratio Lower Upper
64 100
66 27.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 5.670 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion: 101 Resp: 19364
Ion Ratio Lower Upper
101 100
103 62.7 52.1 78.1





#10

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

Concen: 5.303 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

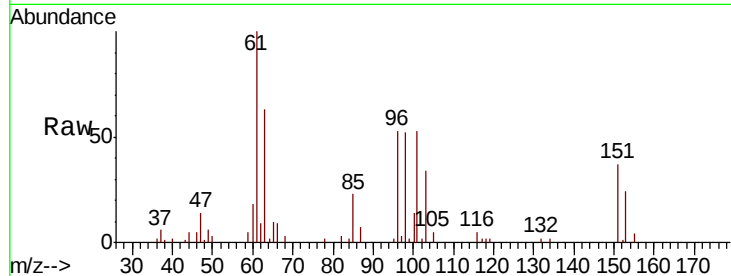
Tot Ion:101 Resp: 11404

Ion Ratio Lower Upper

101 100

85 45.2 35.4 53.2

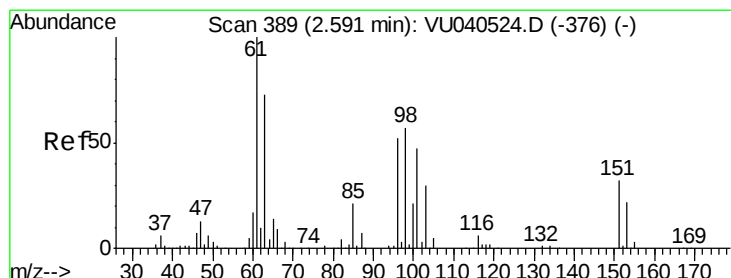
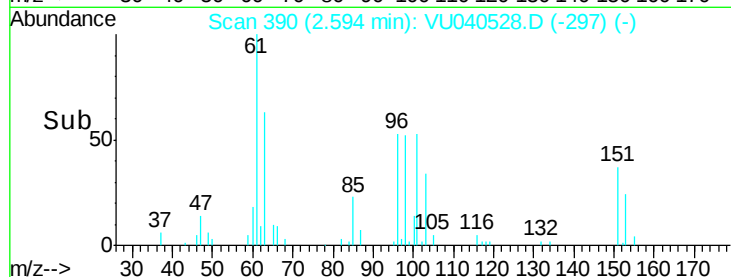
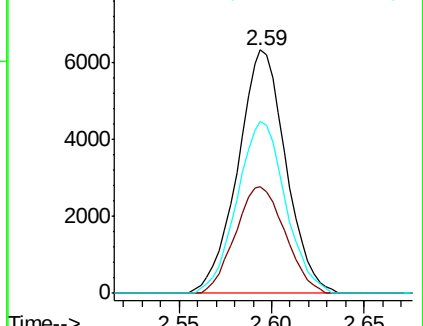
151 71.1 54.8 82.2



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: 5.139 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

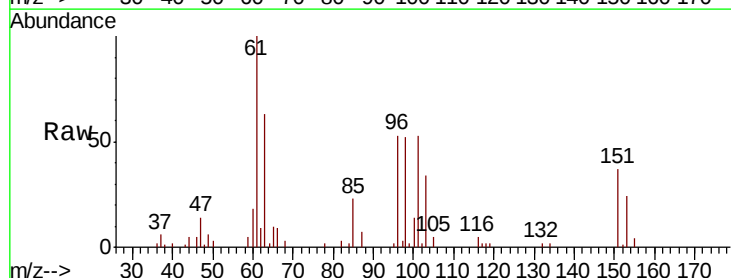
Tgt Ion: 96 Resp: 10288

Ion Ratio Lower Upper

96 100

61 190.1 135.0 250.8

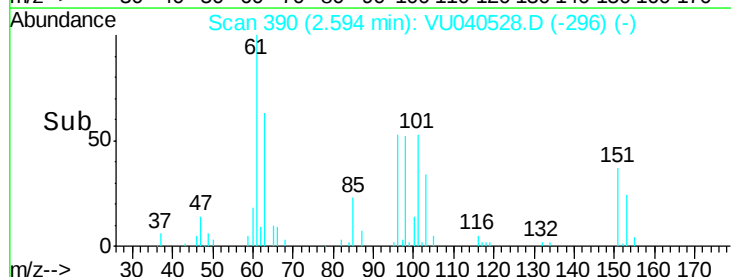
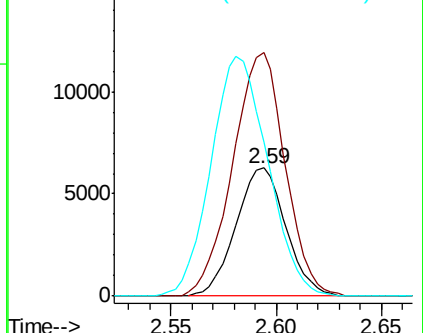
63 120.0 101.4 188.2

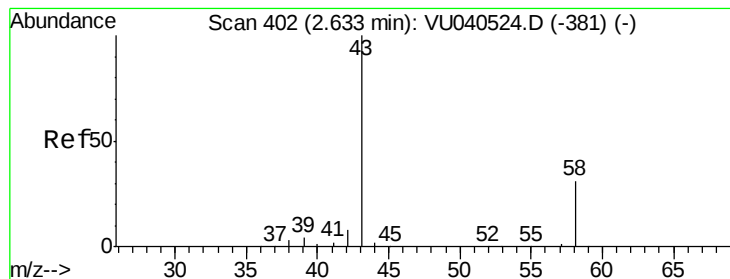


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.601 ug/L

RT: 2.64 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU040528.D

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ClientSampleId :

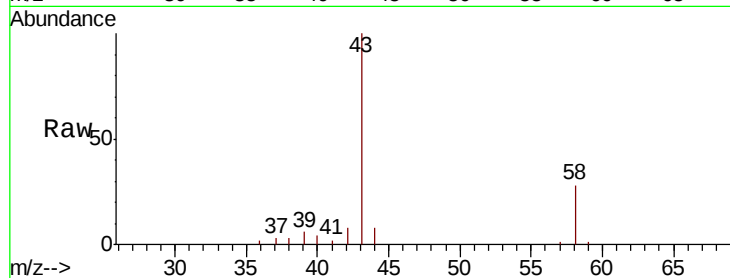
VSTD005202

Tot Ion: 43 Resp: 17616

Ion Ratio Lower Upper

43 100

58 28.9 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VU040528.D (-381) (-)

Ion 58.00 (57.70 to 58.70): VU040528.D (-381) (-)

2.64

12000

10000

8000

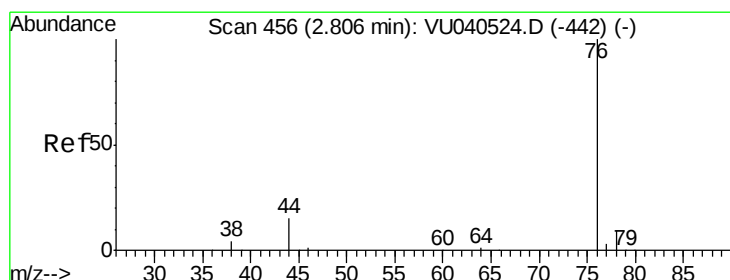
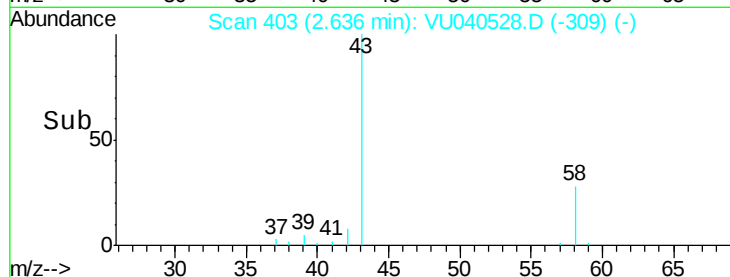
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 5.930 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040528.D

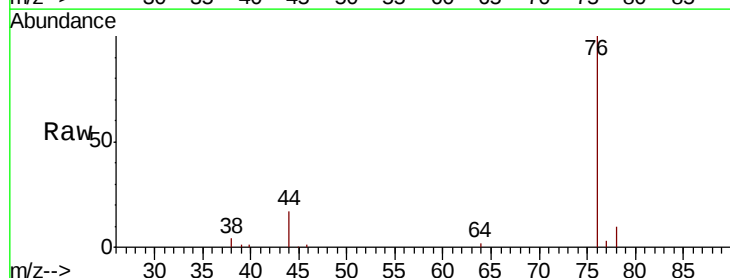
Acq: 06 Oct 2020 15:04

Tgt Ion: 76 Resp: 38255

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU040528.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040528.D (-363) (-)

2.81

25000

20000

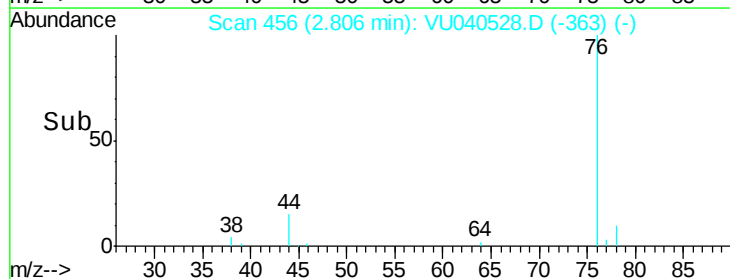
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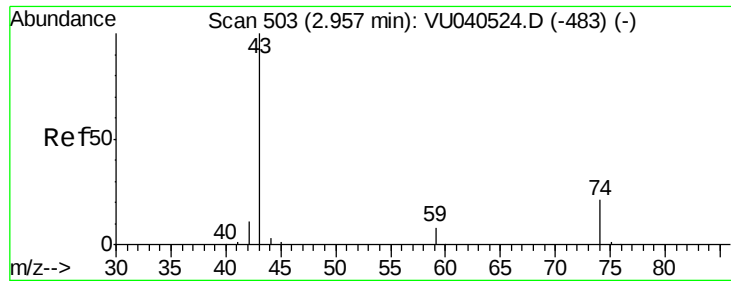
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5000

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Time-->

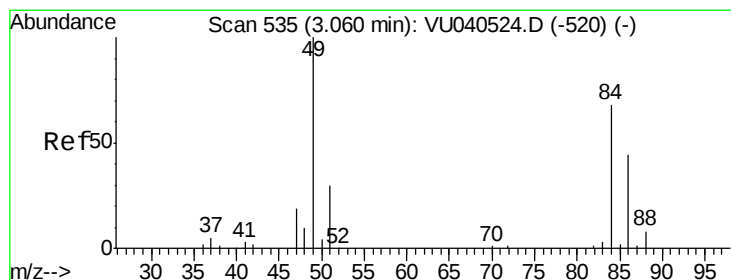
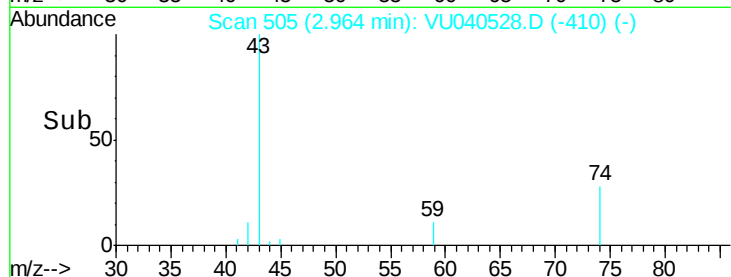
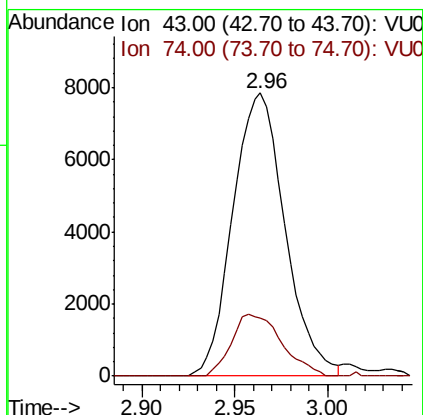
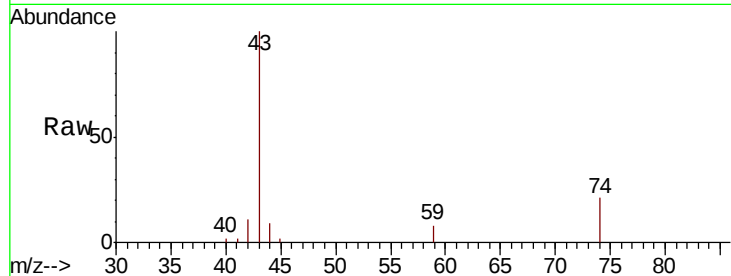




#15
Methyl Acetate
Concen: 4.901 ug/L
RT: 2.96 min Scan# 505
Delta R.T. 0.01 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

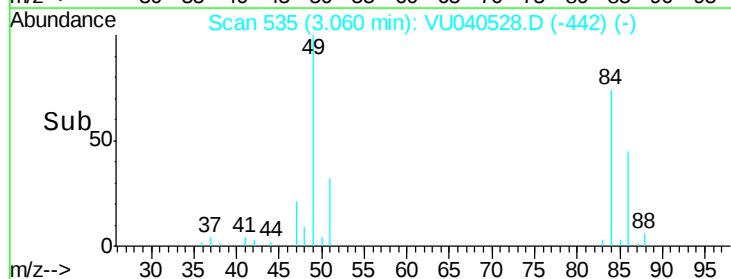
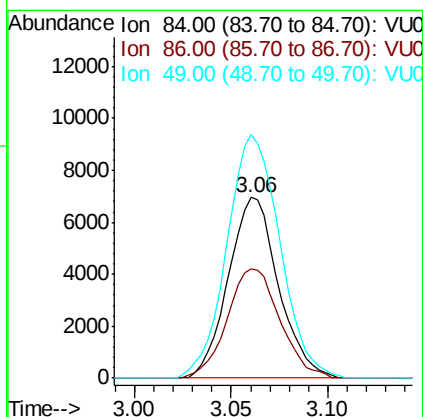
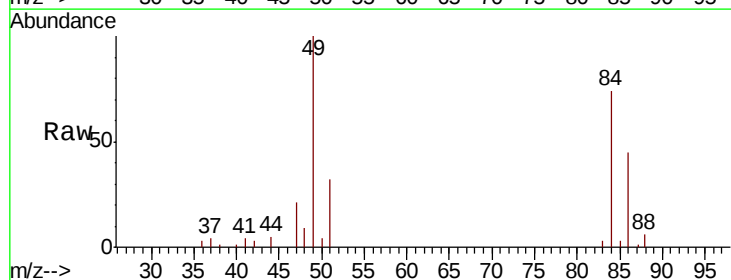
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

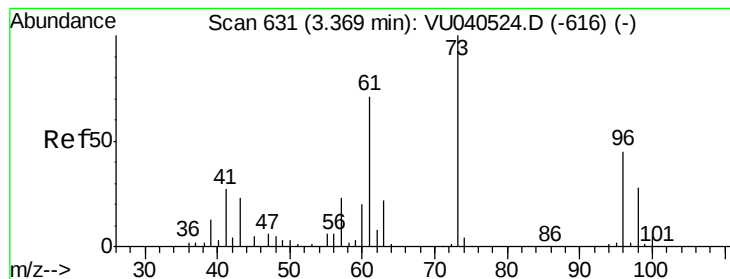
Tot Ion: 43 Resp: 15328
Ion Ratio Lower Upper
43 100
74 21.0 16.4 24.6



#16
Methylene chloride
Concen: 5.319 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion: 84 Resp: 12563
Ion Ratio Lower Upper
84 100
86 60.2 45.4 84.4
49 134.7 102.9 191.1





#17

trans-1,2-Dichloroethene

Concen: 5.524 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

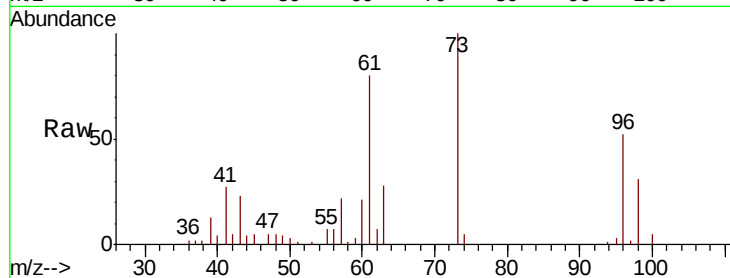
Tot Ion: 96 Resp: 11437

Ion Ratio Lower Upper

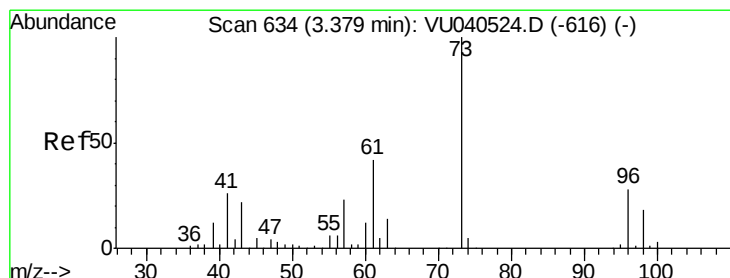
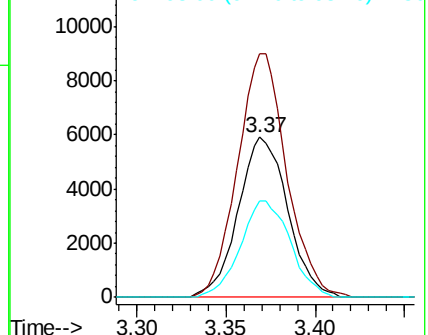
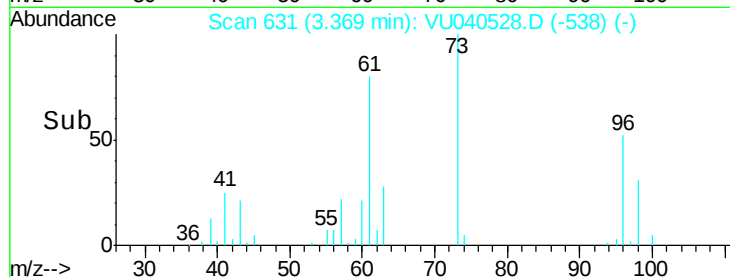
96 100

61 152.2 109.6 203.6

98 60.0 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VU040528.D (-538) (-)



#18

Methyl tert-butyl Ether

Concen: 4.870 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

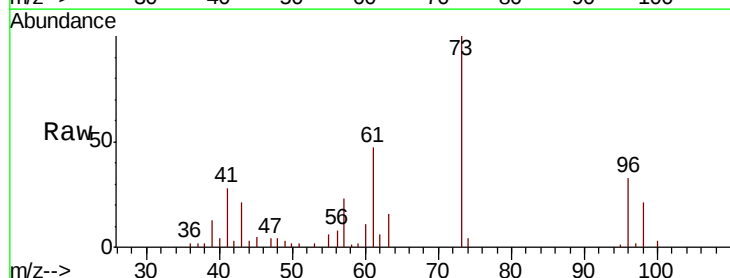
Tgt Ion: 73 Resp: 32935

Ion Ratio Lower Upper

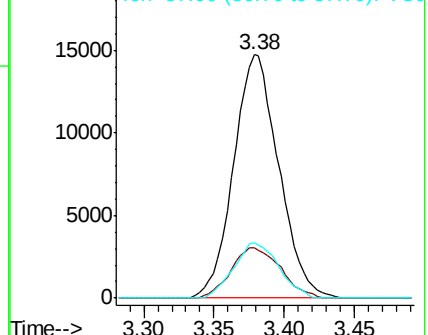
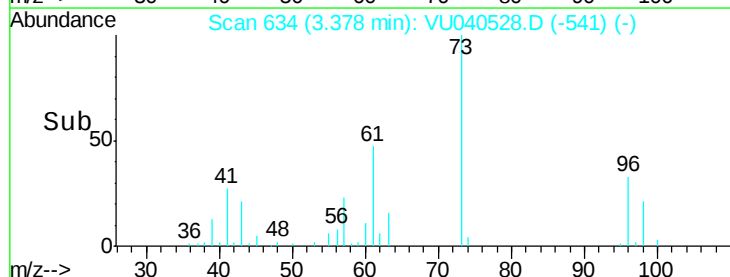
73 100

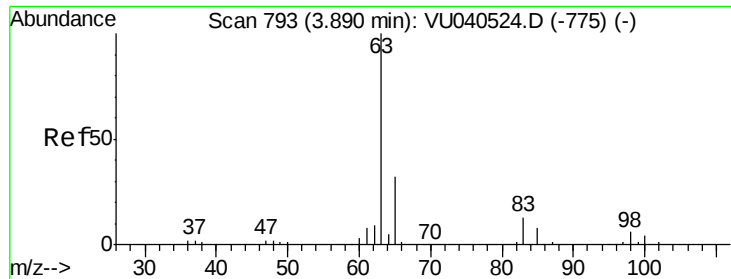
43 22.8 18.2 27.2

57 22.7 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VU040528.D (-541) (-)

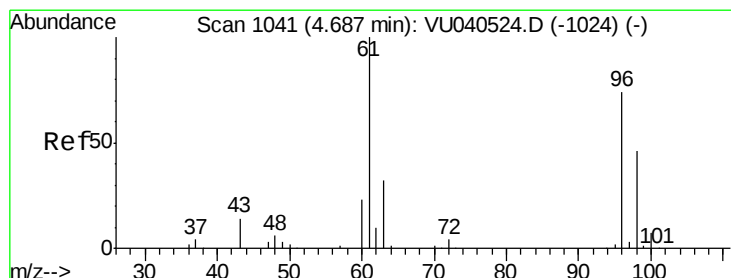
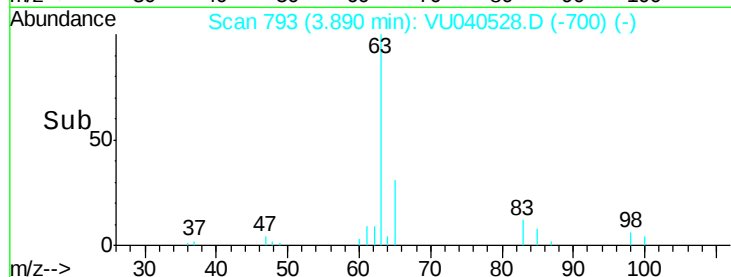
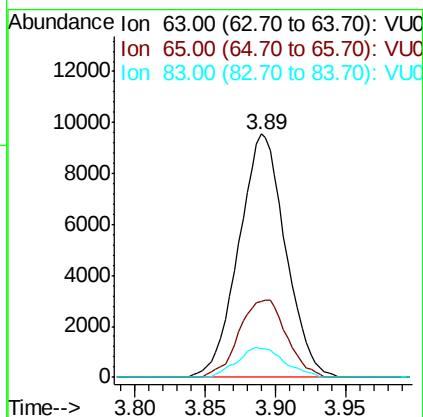
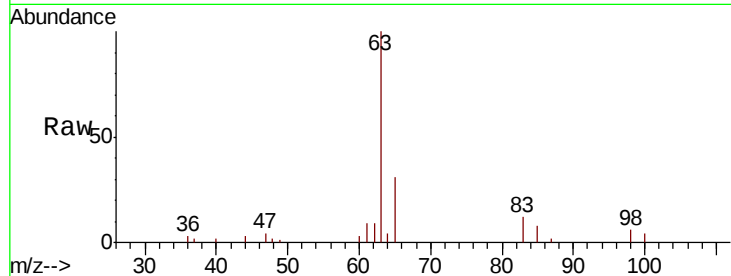




#19
 1,1-Dichloroethane
 Concen: 5.125 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

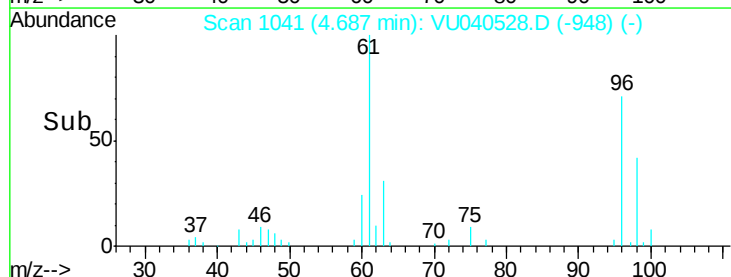
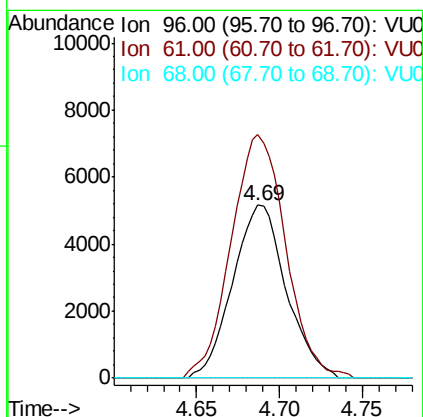
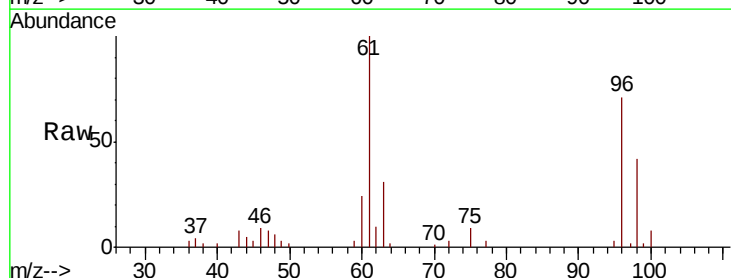
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

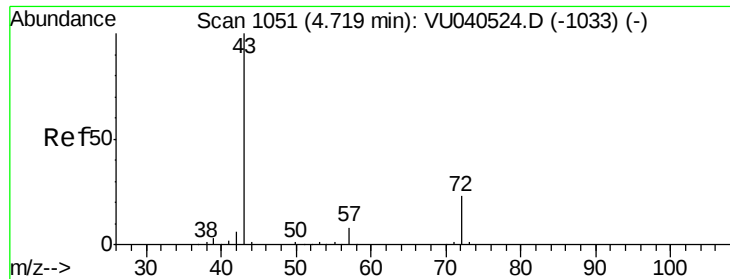
Tot Ion: 63 Resp: 22103
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.6 42.0
 83 11.8 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 5.106 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Tgt Ion: 96 Resp: 11574
 Ion Ratio Lower Upper
 96 100
 61 140.6 95.7 177.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.658 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

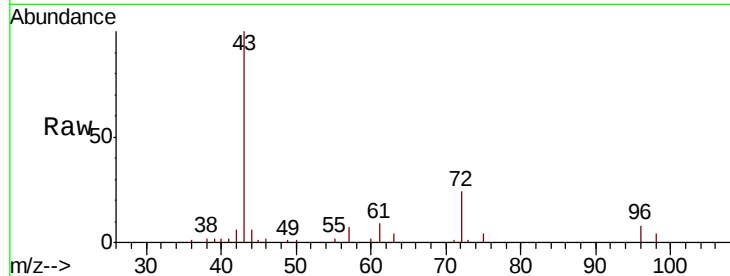
VSTD005202

Tot Ion: 43 Resp: 23638

Ion Ratio Lower Upper

43 100

72 23.0 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VU040528.D (-1033) (-)

Ion 72.00 (71.70 to 72.70): VU040528.D (-1033) (-)

4.72

10000

8000

6000

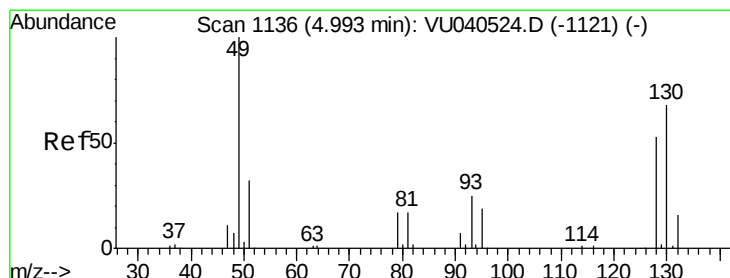
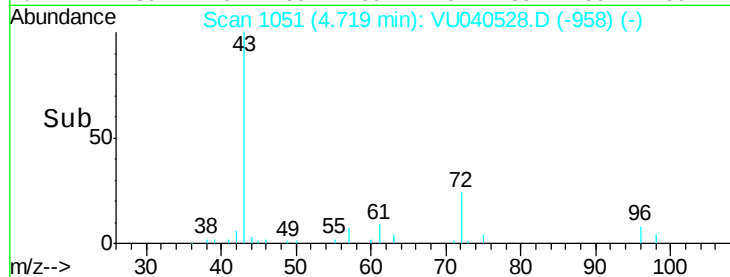
4000

2000

0

Time-->

4.65 4.70 4.75 4.80



#23

Bromochloromethane

Concen: 5.255 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Tgt Ion: 128 Resp: 6232

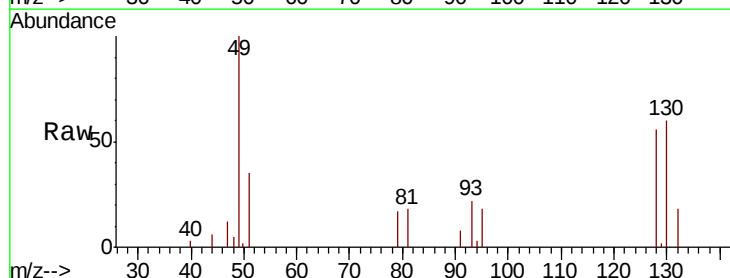
Ion Ratio Lower Upper

128 100

49 180.1 133.1 247.3

130 108.8 90.5 168.1

51 63.5 48.4 72.6



Abundance Ion 128.00 (127.70 to 128.70): VU040528.D (-1121) (-)

Ion 49.00 (48.70 to 49.70): VU040528.D (-1121) (-)

Ion 130.00 (129.70 to 130.70): VU040528.D (-1121) (-)

Ion 51.00 (50.70 to 51.70): VU040528.D (-1121) (-)

8000

6000

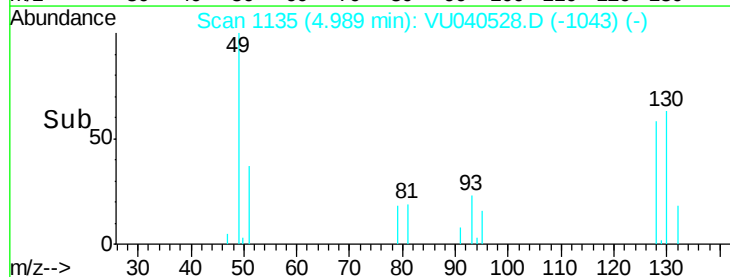
4000

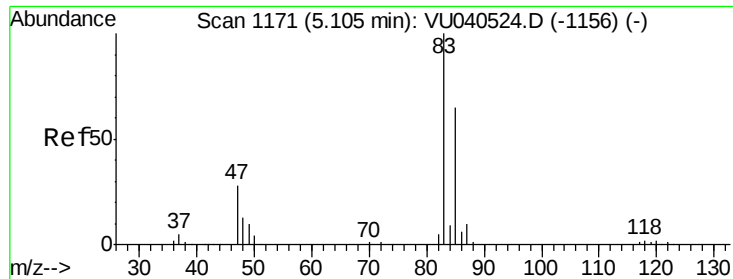
2000

0

Time-->

4.95 5.00 5.05

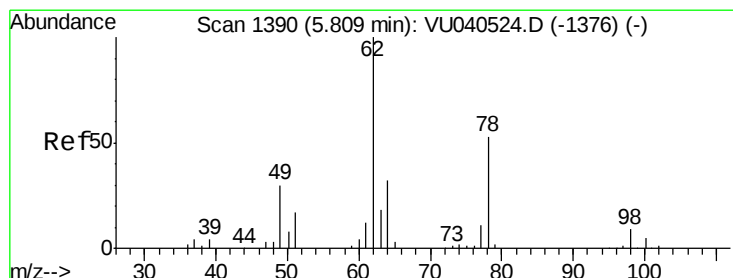
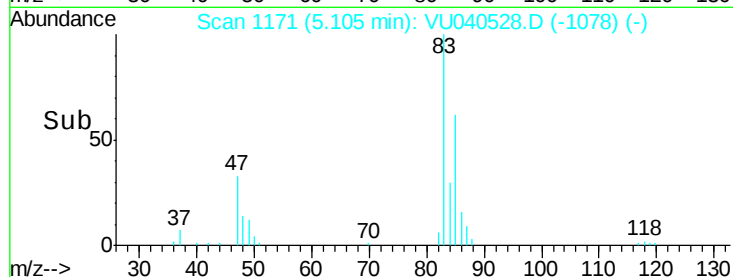
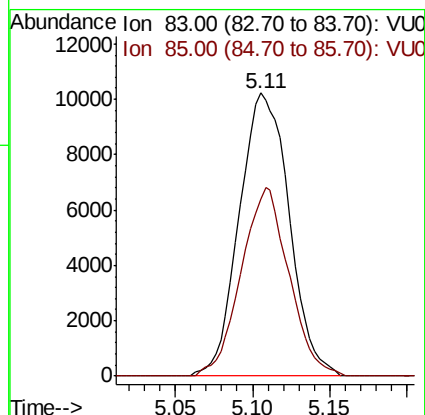
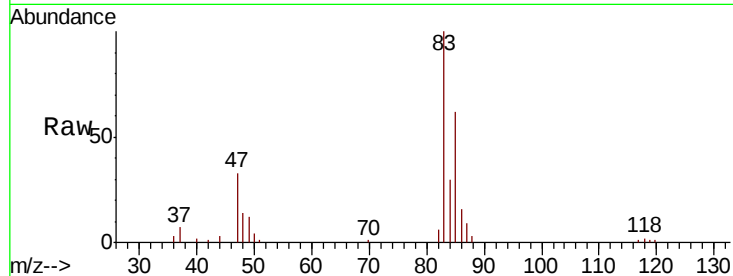




#25
Chloroform
Concen: 5.259 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

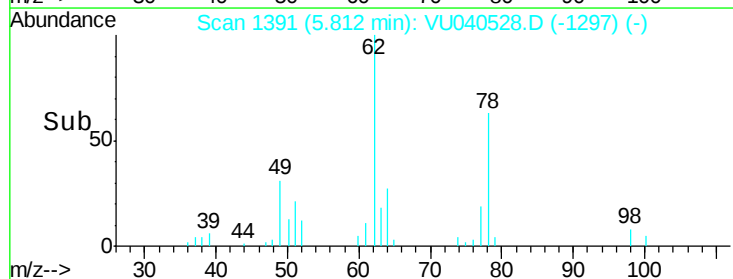
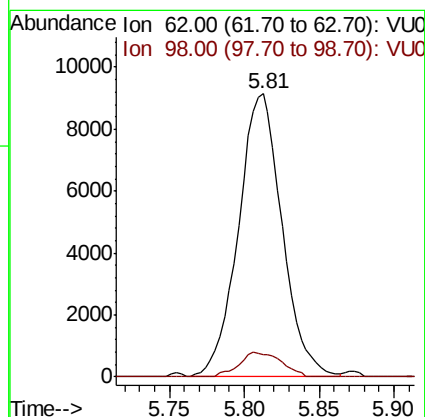
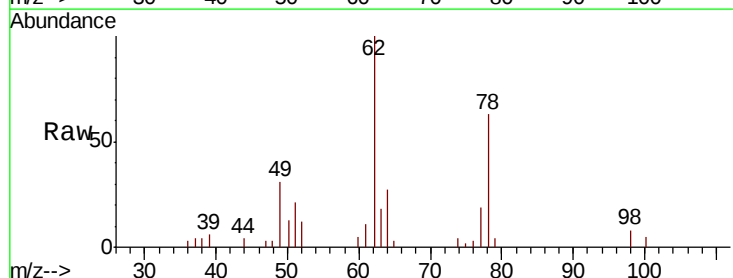
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

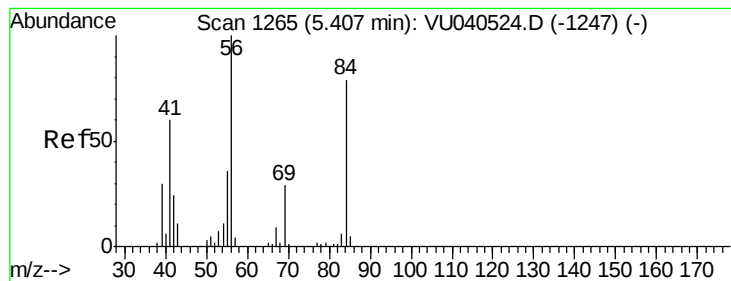
Tot Ion: 83 Resp: 22928
Ion Ratio Lower Upper
83 100
85 62.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.034 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion: 62 Resp: 18615
Ion Ratio Lower Upper
62 100
98 7.8 7.1 10.7





#29

Cyclohexane

Concen: 4.666 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

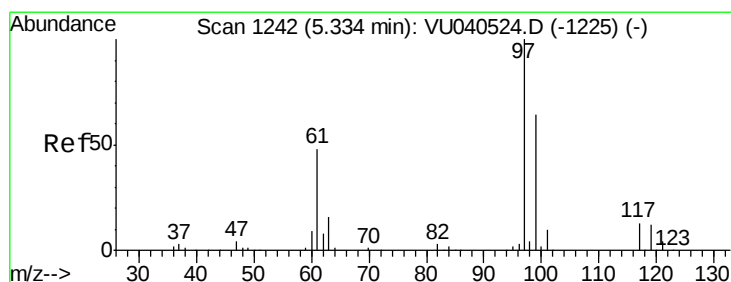
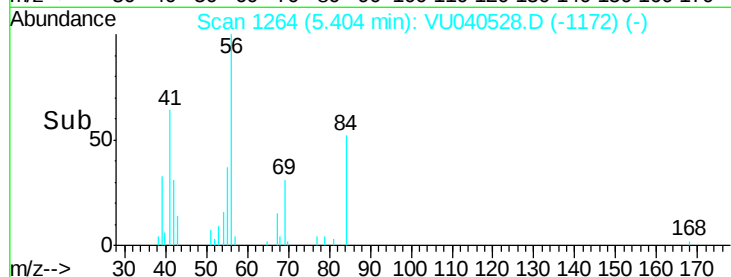
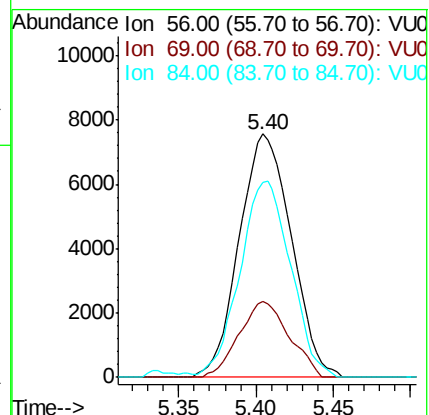
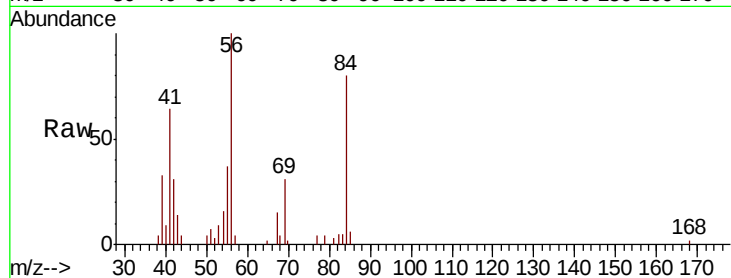
Tot Ion: 56 Resp: 17698

Ion Ratio Lower Upper

56 100

69 30.0 22.6 34.0

84 78.6 63.1 94.7



#30

1,1,1-Trichloroethane

Concen: 5.135 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

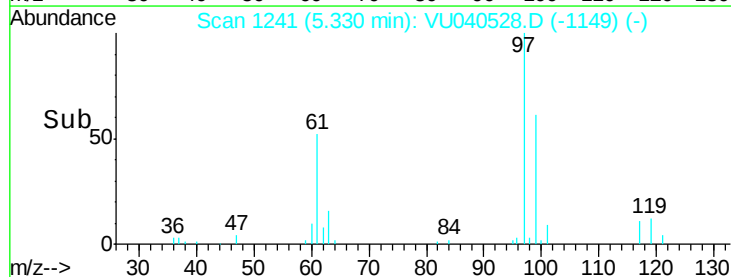
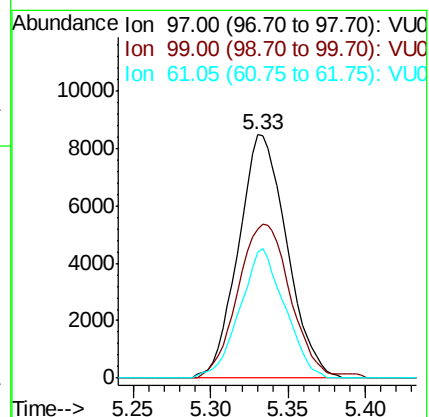
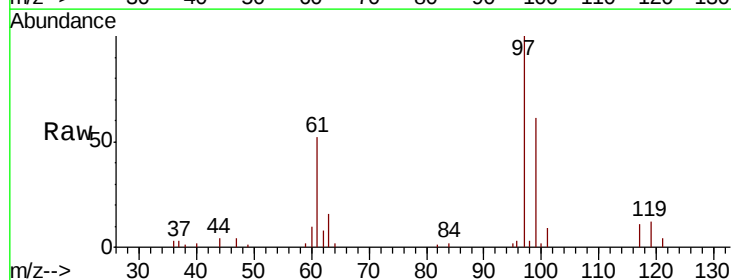
Tgt Ion: 97 Resp: 18470

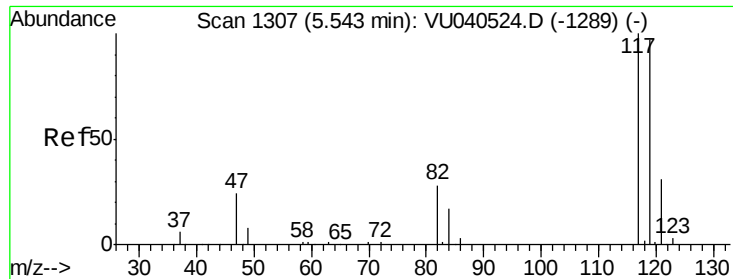
Ion Ratio Lower Upper

97 100

99 68.4 51.0 76.6

61 49.2 39.4 59.2

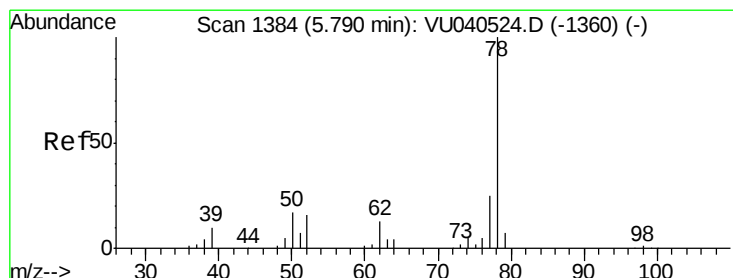
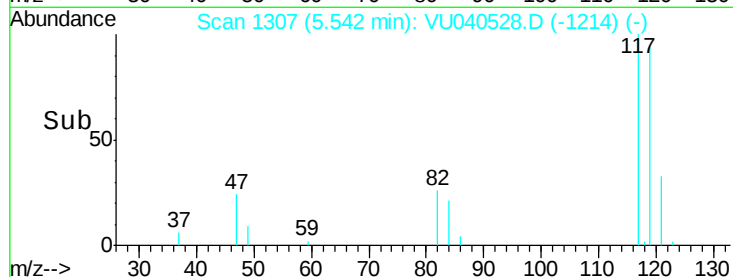
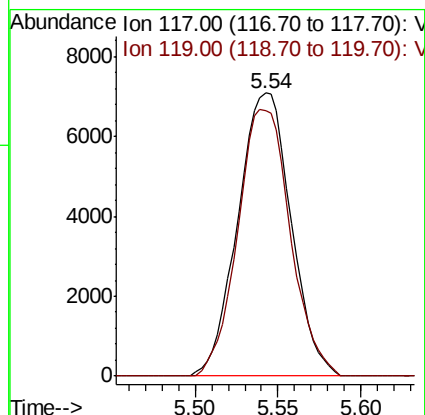
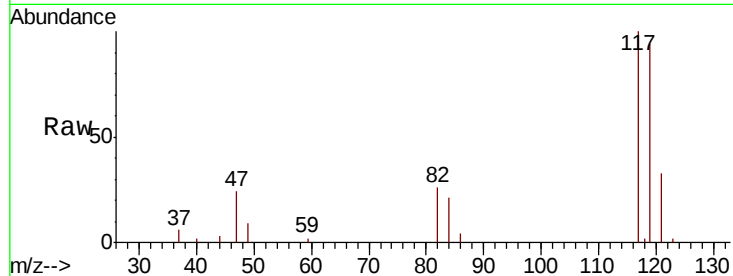




#31
Carbon tetrachloride
Concen: 5.077 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

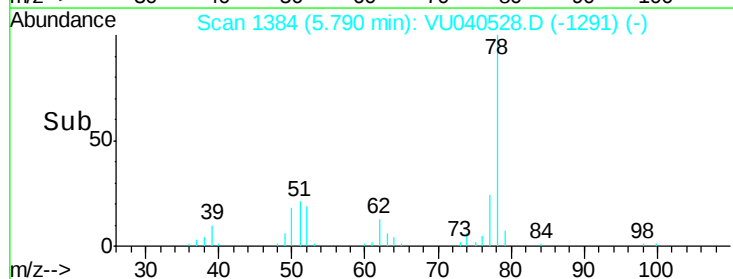
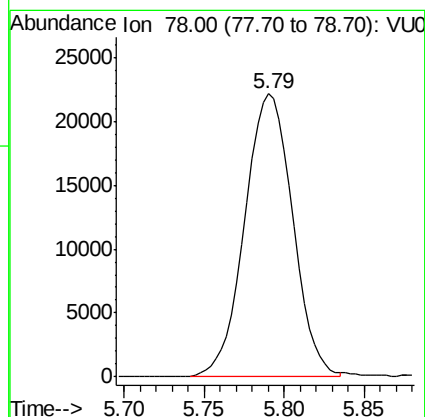
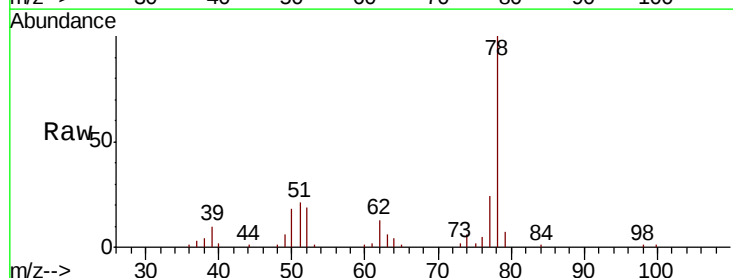
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

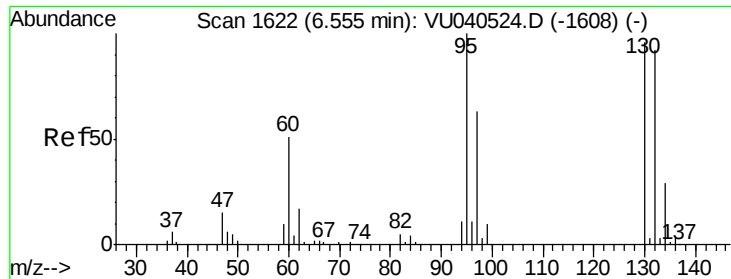
Tot Ion:117 Resp: 15874
Ion Ratio Lower Upper
117 100
119 93.3 75.8 113.6



#33
Benzene
Concen: 5.021 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion: 78 Resp: 45587





#34

Trichloroethene

Concen: 5.283 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

Tot Ion: 95 Resp: 12289

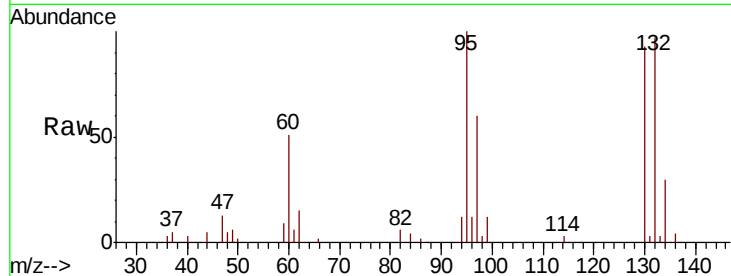
Ion Ratio Lower Upper

95 100

97 59.7 44.3 82.3

132 96.5 64.2 119.2

130 92.8 67.3 125.1

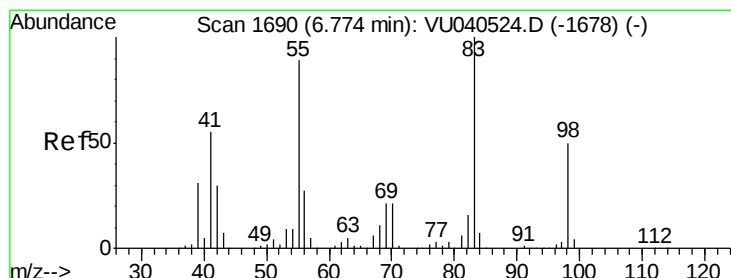
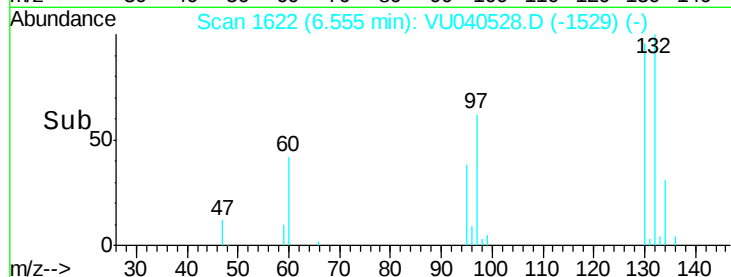
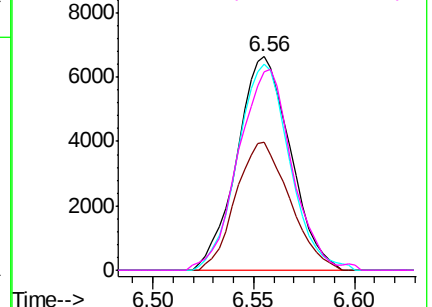


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.876 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

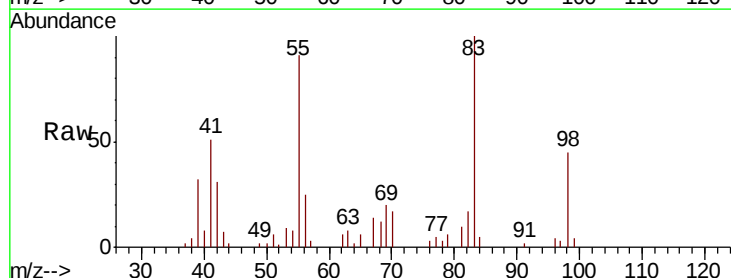
Tgt Ion: 83 Resp: 17346

Ion Ratio Lower Upper

83 100

55 90.8 69.8 104.8

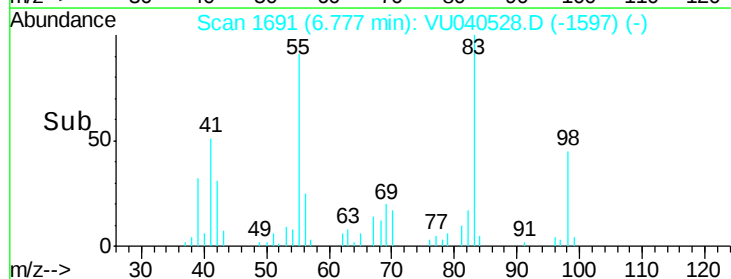
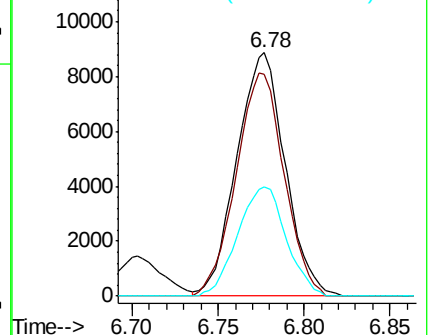
98 45.1 39.1 58.7

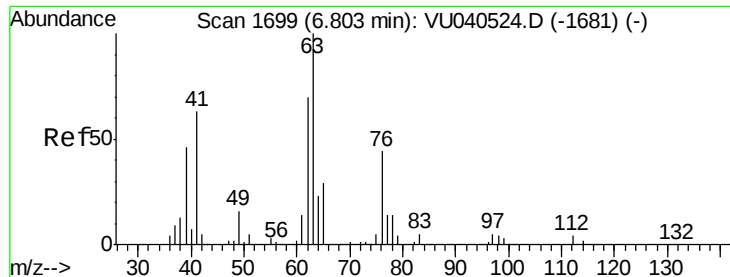


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 4.875 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

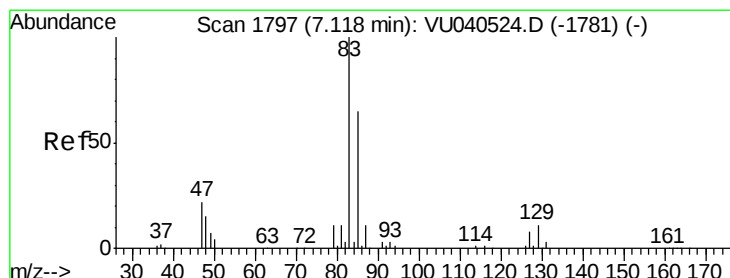
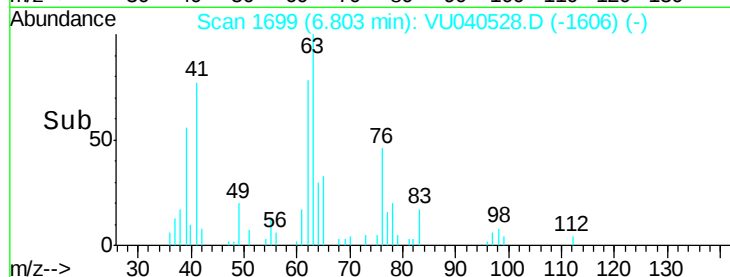
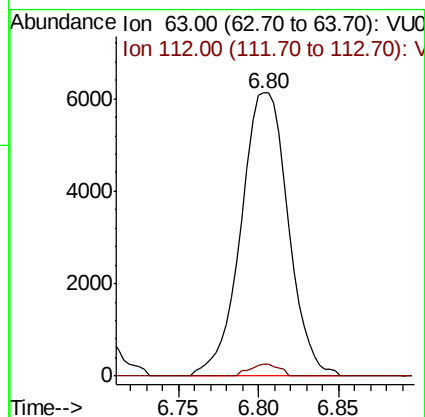
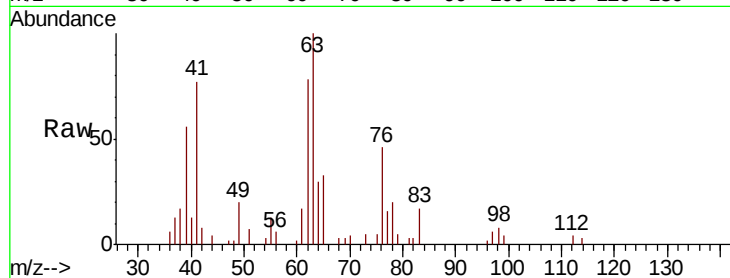
VSTD005202

Tot Ion: 63 Resp: 12427

Ion Ratio Lower Upper

63 100

112 2.6 3.5 5.3#



#38

Bromodichloromethane

Concen: 5.119 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

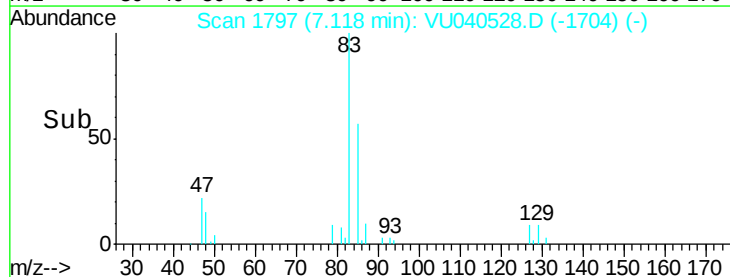
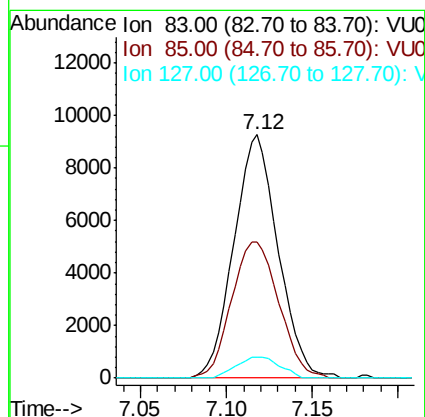
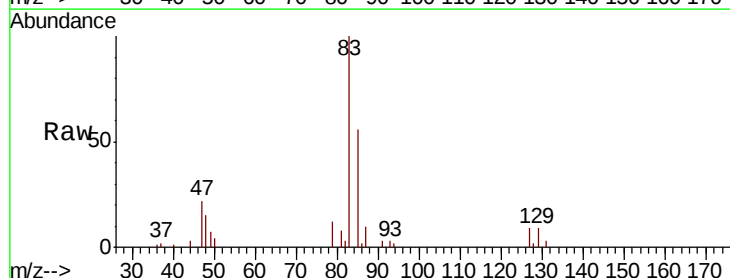
Tgt Ion: 83 Resp: 16569

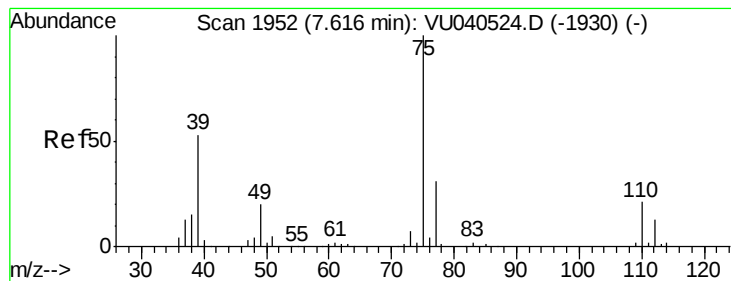
Ion Ratio Lower Upper

83 100

85 56.1 45.2 84.0

127 8.8 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.651 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

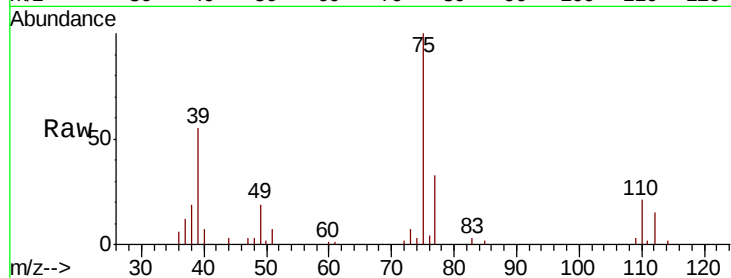
VSTD005202

Tot Ion: 75 Resp: 17060

Ion Ratio Lower Upper

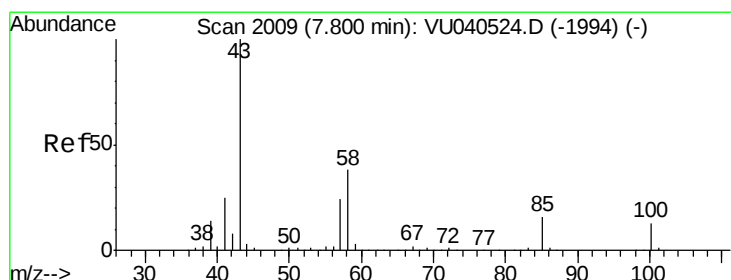
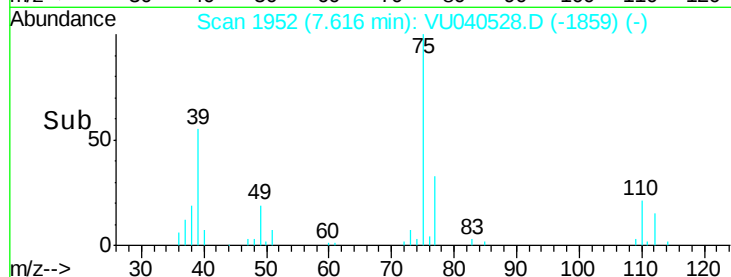
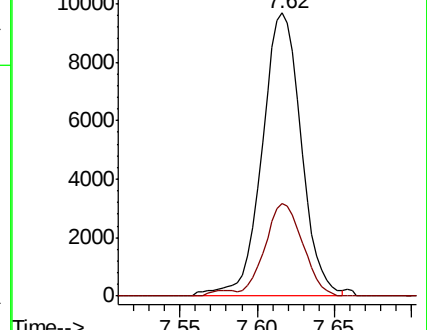
75 100

77 32.5 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU040528.D (-1859) (-)

Ion 77.00 (76.70 to 77.70): VU040528.D (-1859) (-)



#40

4-Methyl-2-pentanone

Concen: 9.229 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

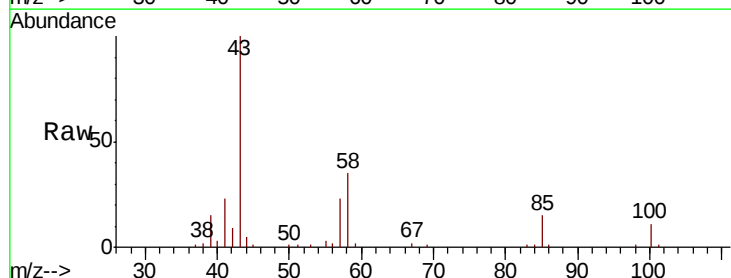
Tgt Ion: 43 Resp: 37587

Ion Ratio Lower Upper

43 100

58 36.3 29.7 44.5

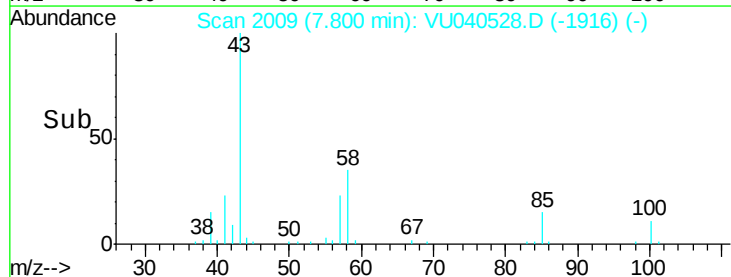
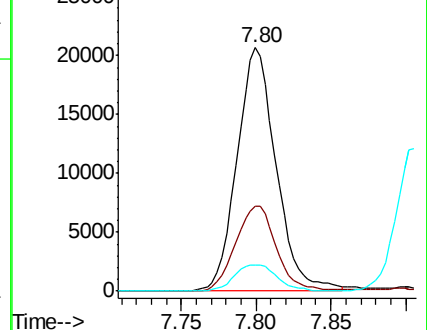
100 11.7 10.5 15.7

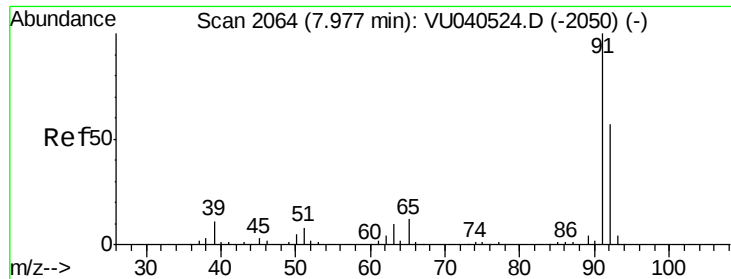


Abundance Ion 43.00 (42.70 to 43.70): VU040528.D (-1916) (-)

Ion 58.00 (57.70 to 58.70): VU040528.D (-1916) (-)

Ion 100.00 (99.70 to 100.70): VU040528.D (-1916) (-)





#42

Toluene

Concen: 4.748 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

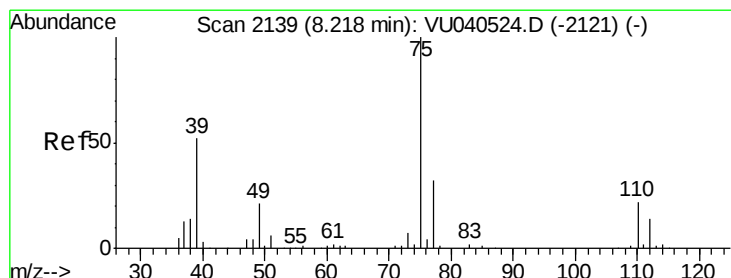
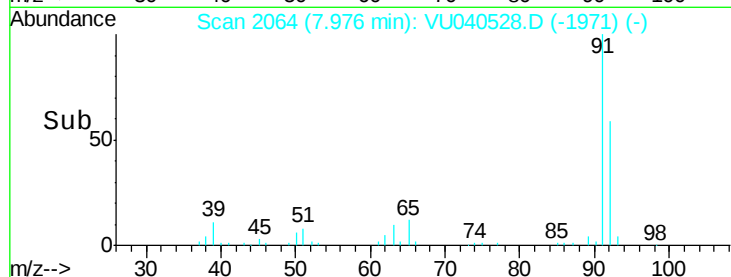
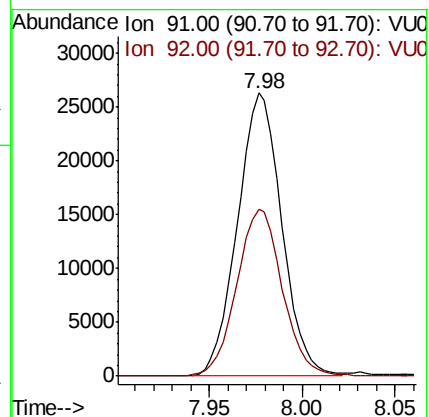
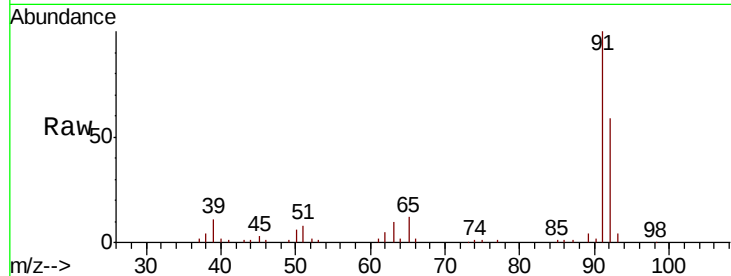
VSTD005202

Tot Ion: 91 Resp: 43619

Ion Ratio Lower Upper

91 100

92 59.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.589 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040528.D

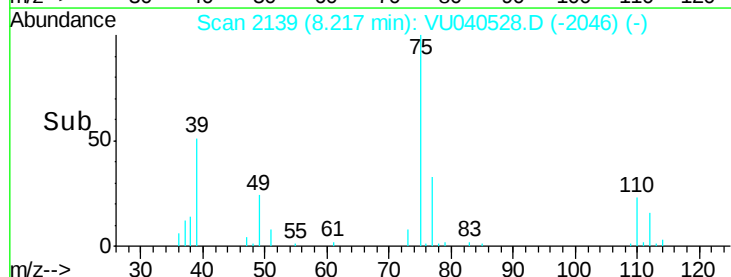
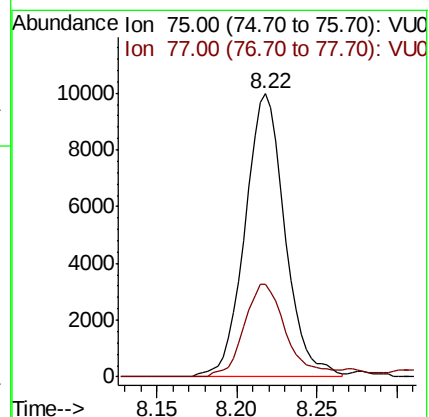
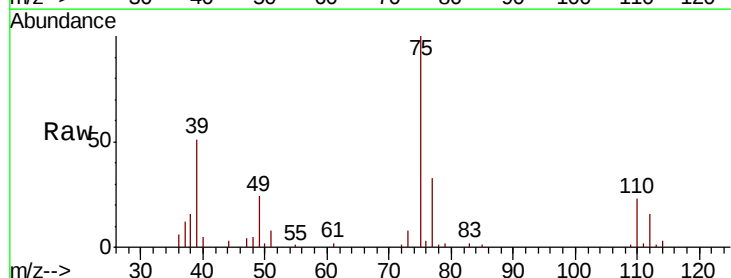
Acq: 06 Oct 2020 15:04

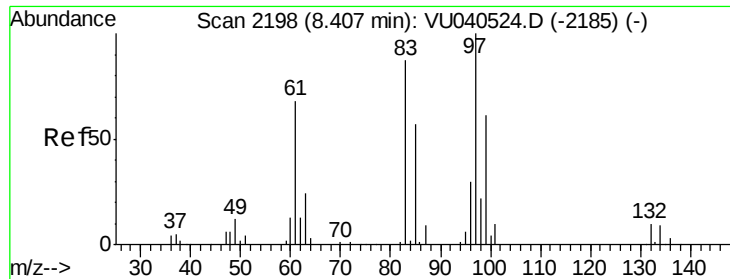
Tgt Ion: 75 Resp: 17074

Ion Ratio Lower Upper

75 100

77 32.8 22.1 41.1

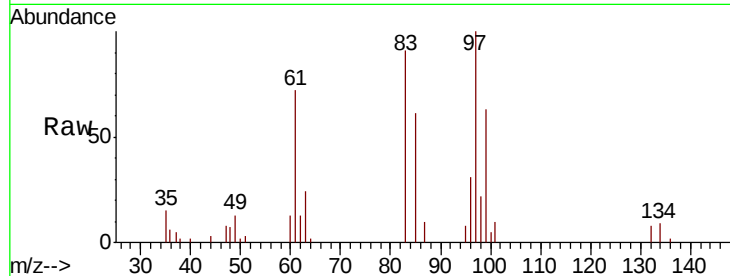




#45
1,1,2-Trichloroethane
Concen: 5.020 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

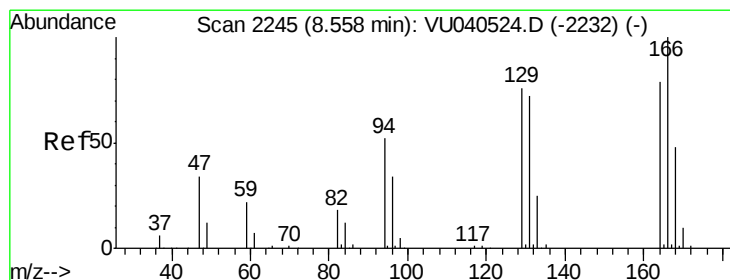
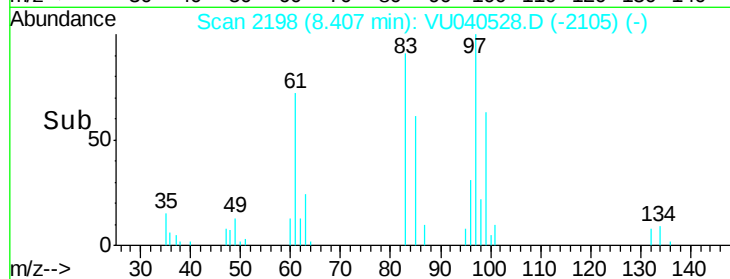
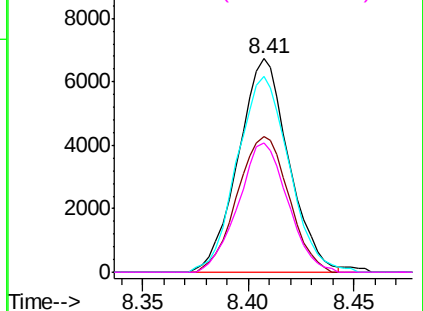
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion:	97	Resp:	11189
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.7	79.3
83	91.5	61.0	113.4
85	60.6	39.8	73.8



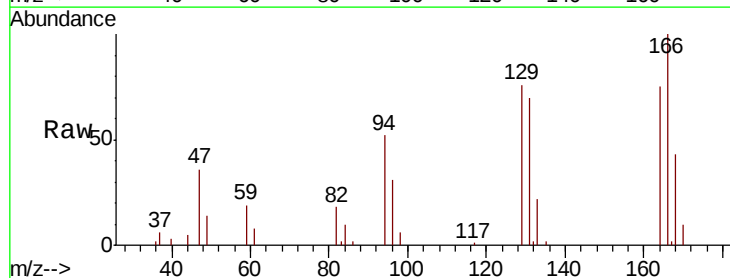
Abundance

Ion 97.00 (96.70 to 97.70): VU040528.D (-2105) (-)



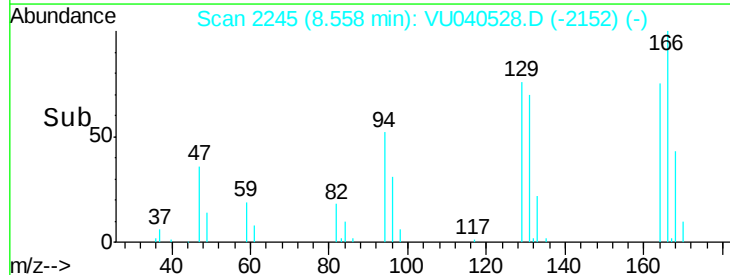
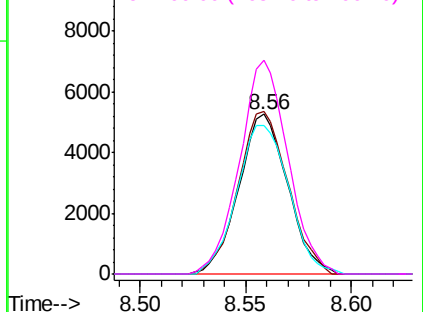
#46
Tetrachloroethene
Concen: 5.192 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

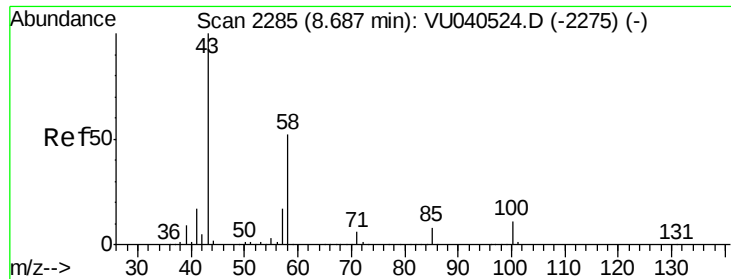
Tgt Ion:	164	Resp:	8494
Ion	Ratio	Lower	Upper
164	100		
129	102.2	67.4	125.2
131	93.4	63.8	118.6
166	133.8	88.7	164.7



Abundance

Ion 164.00 (163.70 to 164.70): VU040528.D (-2152) (-)

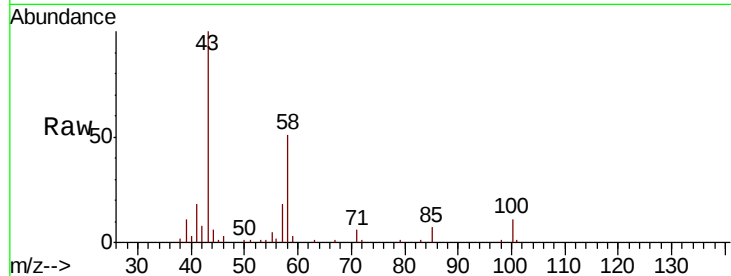




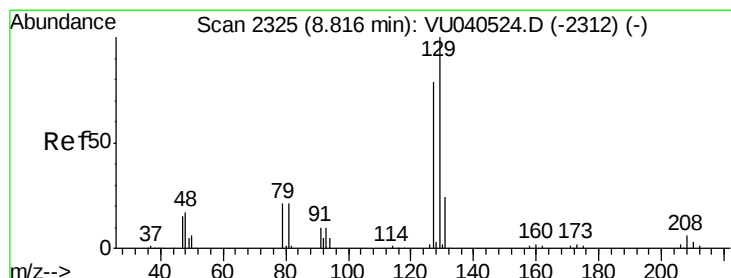
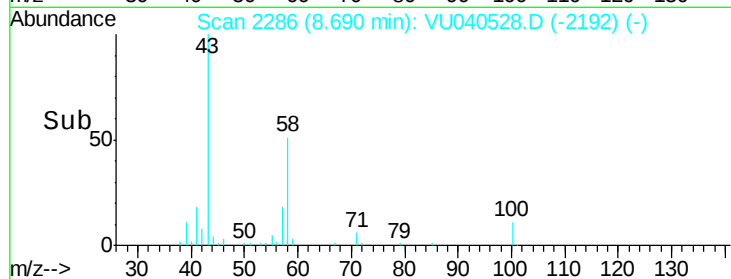
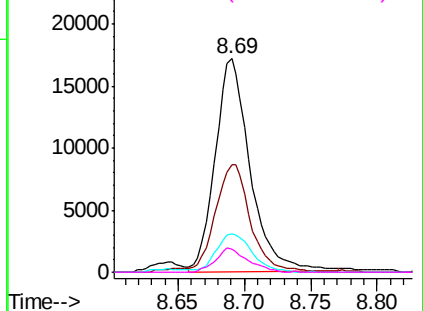
#48
2-Hexanone
Concen: 9.601 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion: 43 Resp: 31324
Ion Ratio Lower Upper
43 100
58 49.5 40.6 60.8
57 18.6 14.3 21.5
100 10.4 8.5 12.7

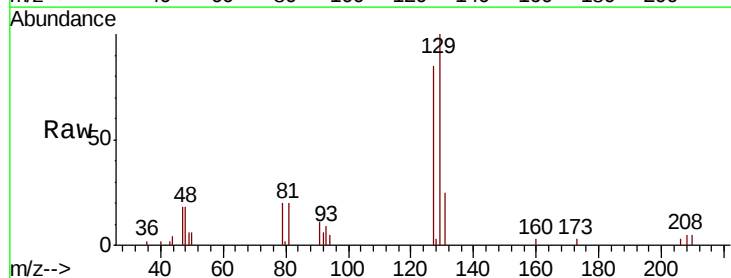


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

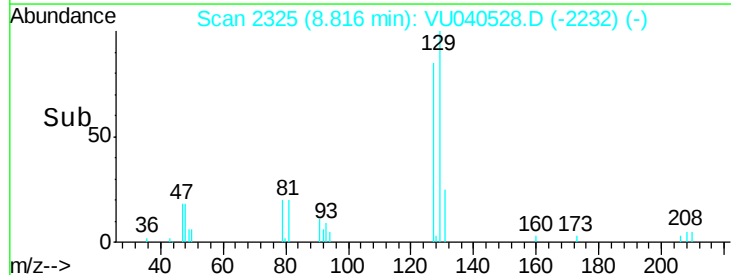
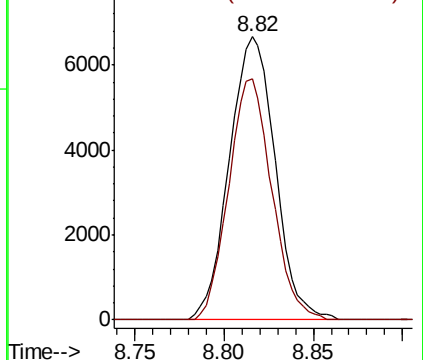


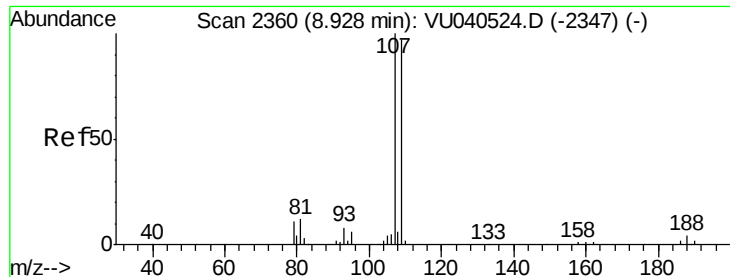
#49
Dibromochloromethane
Concen: 4.895 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion: 129 Resp: 11897
Ion Ratio Lower Upper
129 100
127 85.2 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

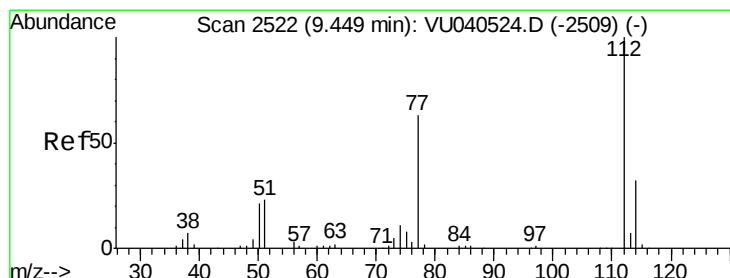
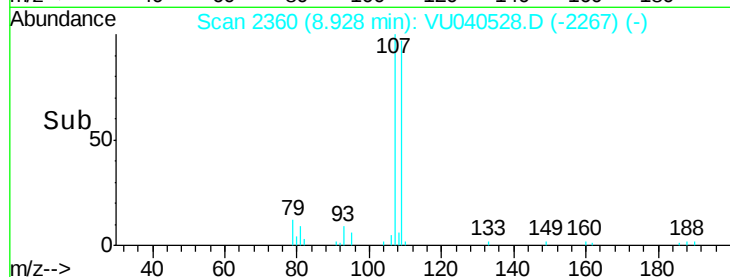
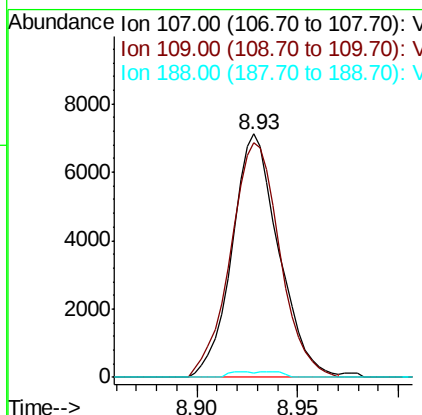
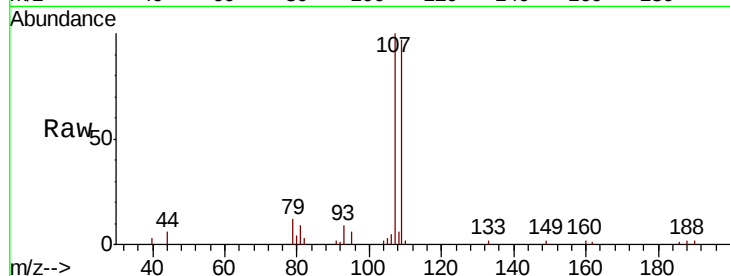




#50
1,2-Dibromoethane
Concen: 4.857 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

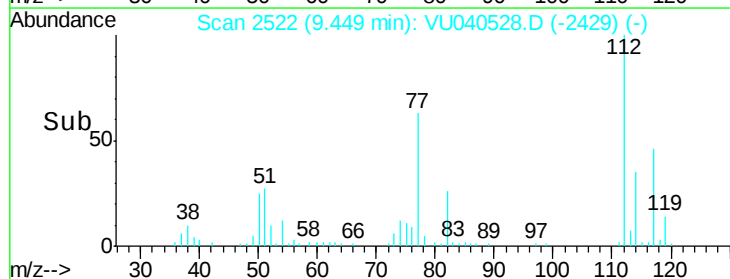
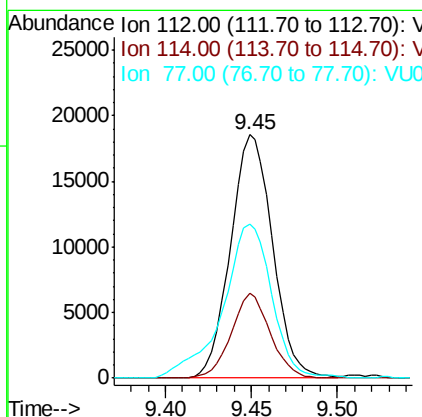
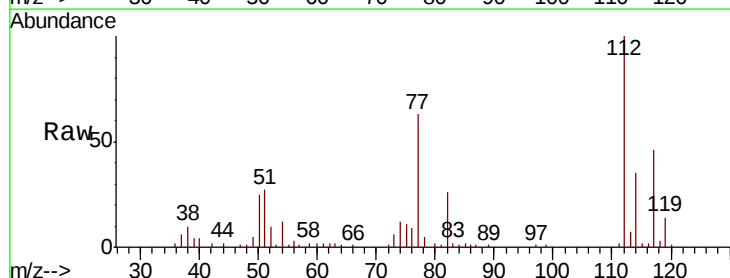
Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

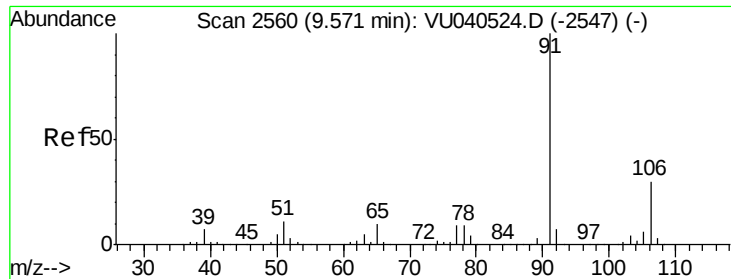
Tot Ion:107 Resp: 11541
Ion Ratio Lower Upper
107 100
109 96.6 67.8 125.8
188 2.0 2.8 4.2#



#51
Chlorobenzene
Concen: 5.207 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion:112 Resp: 31684
Ion Ratio Lower Upper
112 100
114 34.7 22.1 41.1
77 63.4 50.4 75.6





#52

Ethylbenzene

Concen: 4.877 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

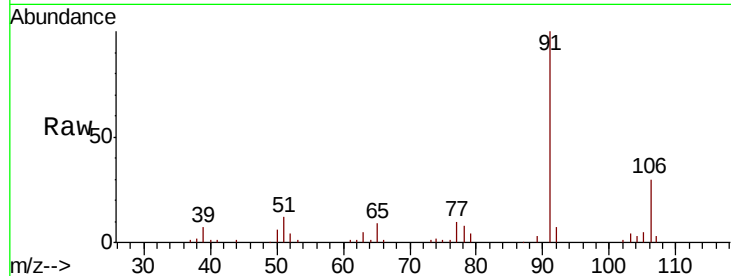
VSTD005202

Tot Ion: 91 Resp: 49852

Ion Ratio Lower Upper

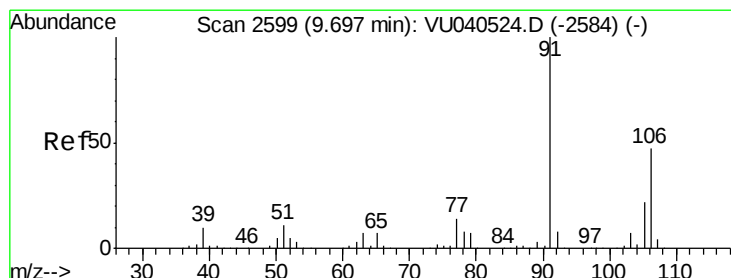
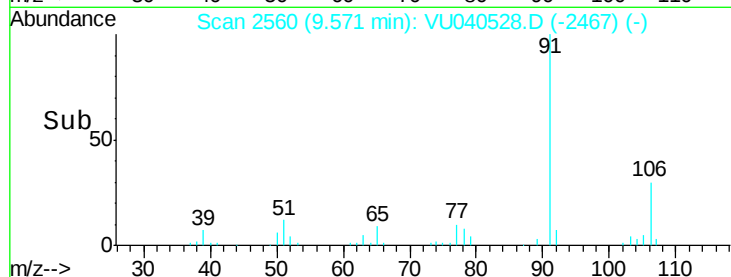
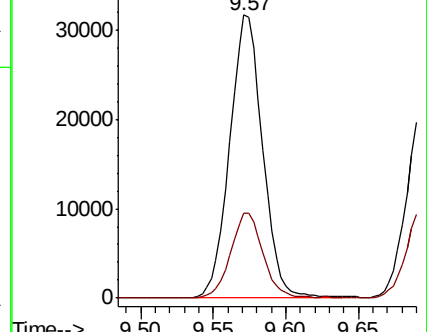
91 100

106 29.8 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VU040528.D (-2467) (-)

Ion 106.00 (105.70 to 106.70): VU040528.D (-2467) (-)



#53

m,p-Xylene

Concen: 4.814 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU040528.D

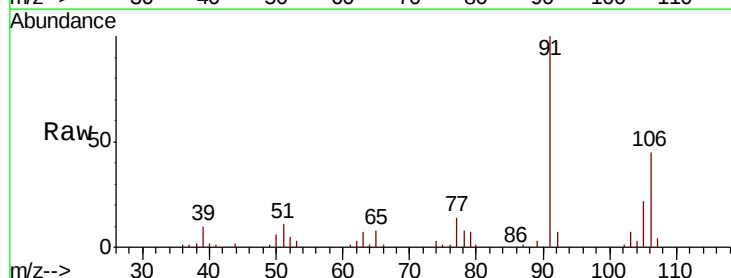
Acq: 06 Oct 2020 15:04

Tgt Ion: 106 Resp: 17894

Ion Ratio Lower Upper

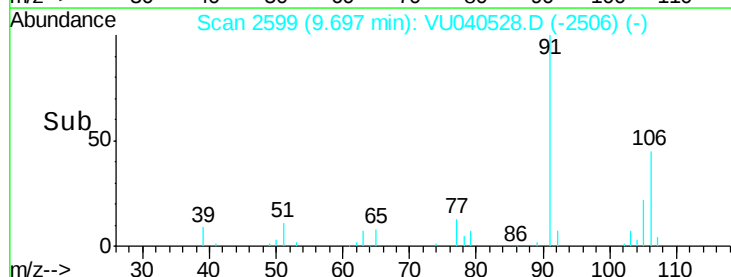
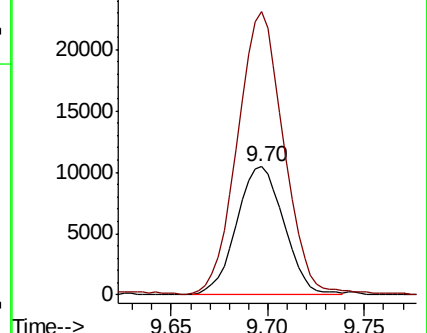
106 100

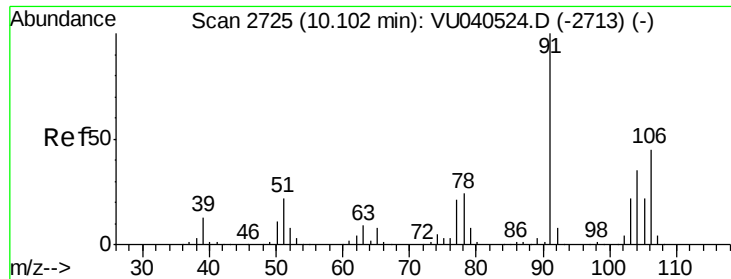
91 220.9 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): VU040528.D (-2506) (-)

Ion 91.00 (90.70 to 91.70): VU040528.D (-2506) (-)





#54

o-xylene

Concen: 4.292 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

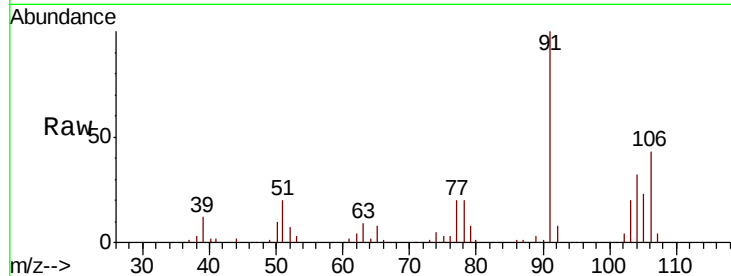
VSTD005202

Tot Ion:106 Resp: 15595

Ion Ratio Lower Upper

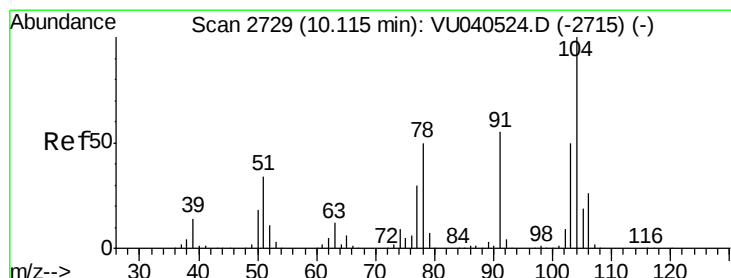
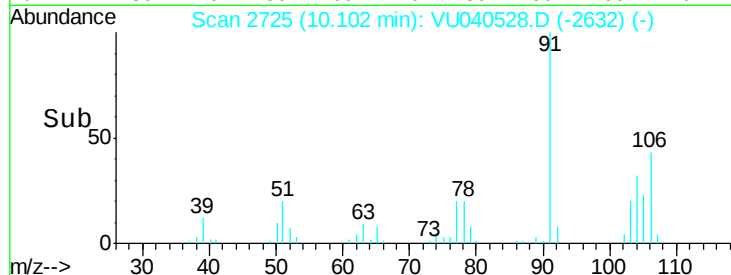
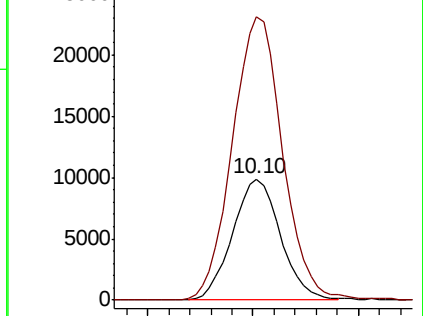
106 100

91 233.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.515 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040528.D

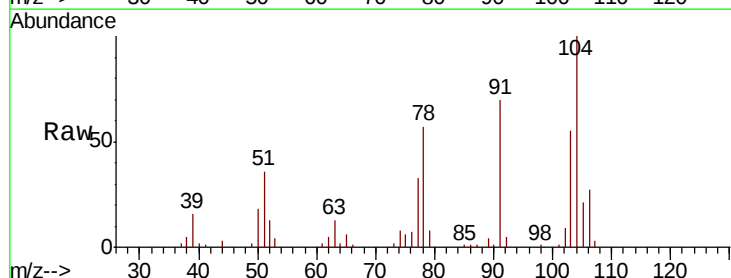
Acq: 06 Oct 2020 15:04

Tgt Ion:104 Resp: 28180

Ion Ratio Lower Upper

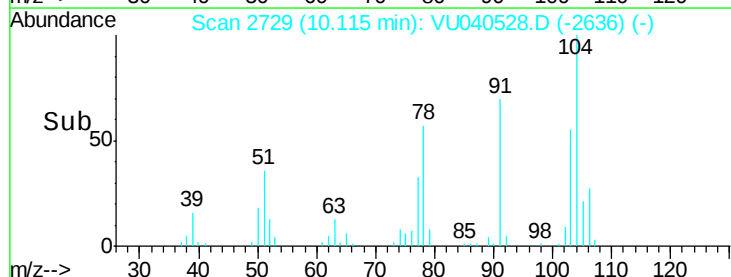
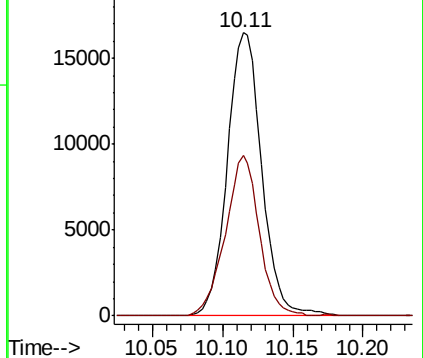
104 100

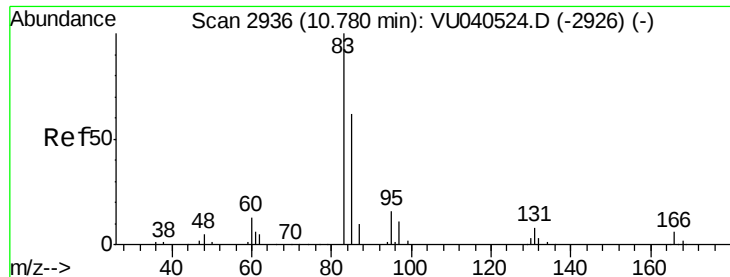
78 56.9 35.2 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

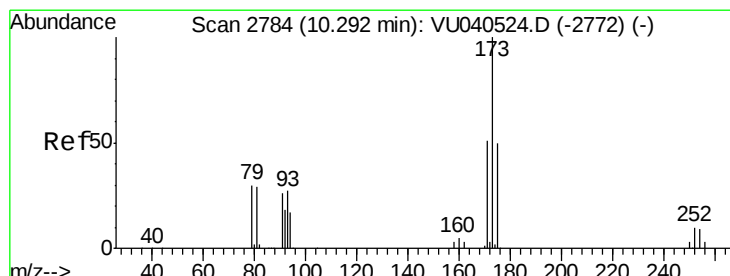
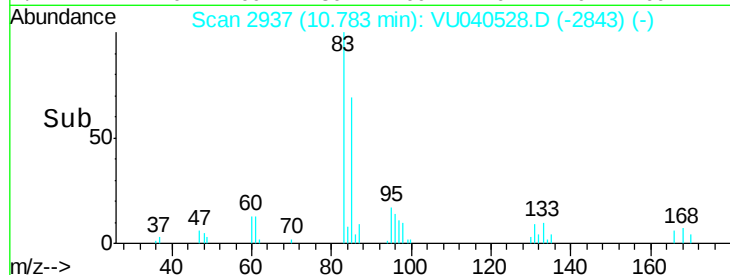
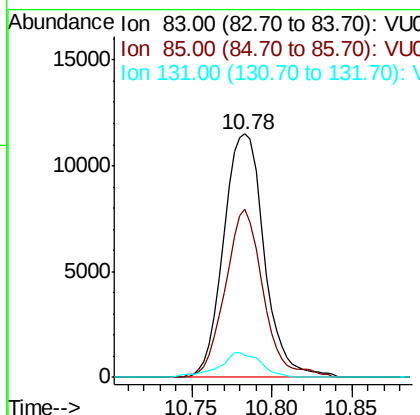
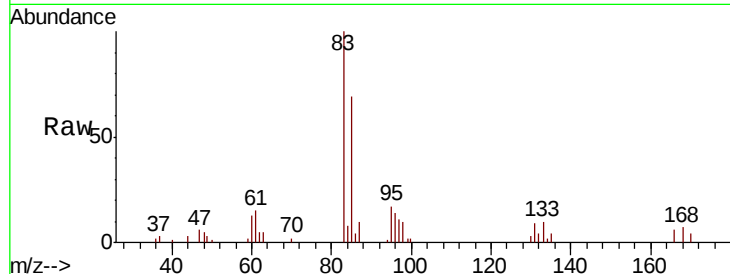




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.095 ug/L
 RT: 10.78 min Scan# 2937
 Delta R.T. 0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

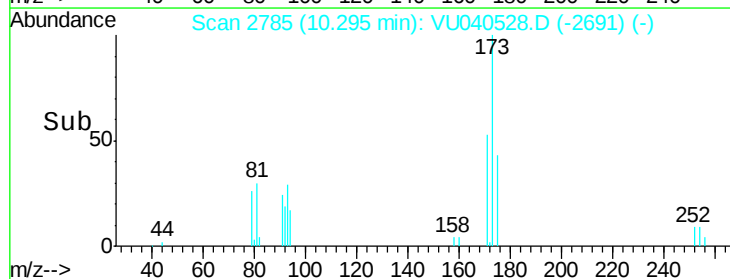
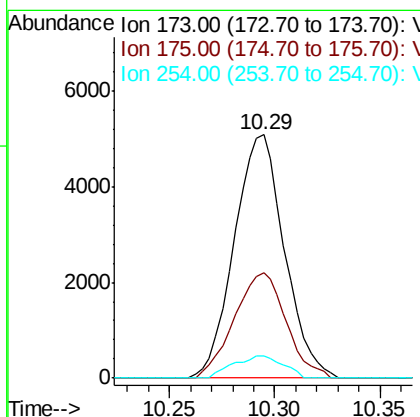
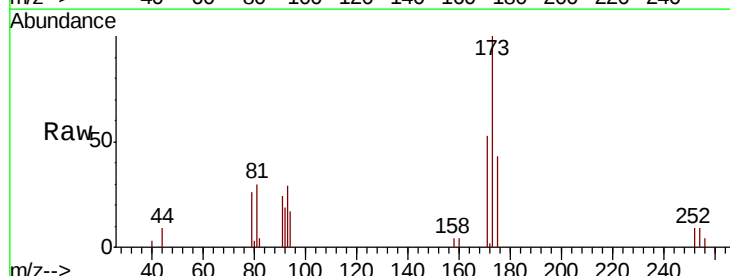
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

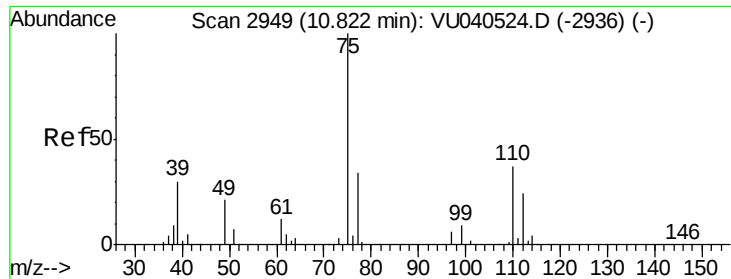
Tot Ion	83	Resp	19928
Ion Ratio	Lower	Upper	
83	100		
85	68.8	44.2	82.2
131	9.2	7.1	10.7



#59
 Bromoform
 Concen: 5.177 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Tgt Ion	173	Resp	8401
Ion Ratio	Lower	Upper	
173	100		
175	44.7	38.5	57.7
254	9.1	7.0	10.6

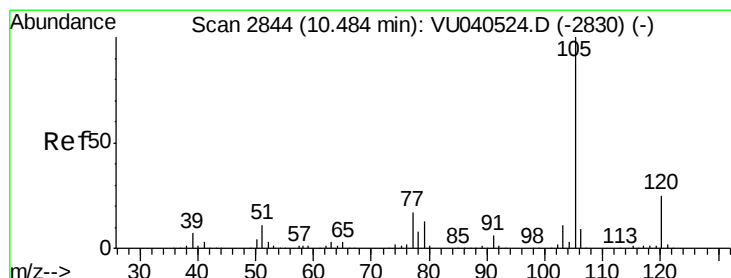
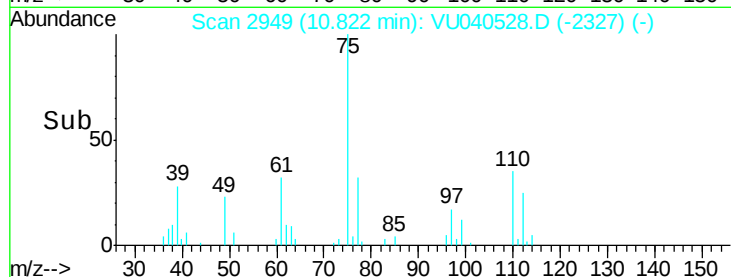
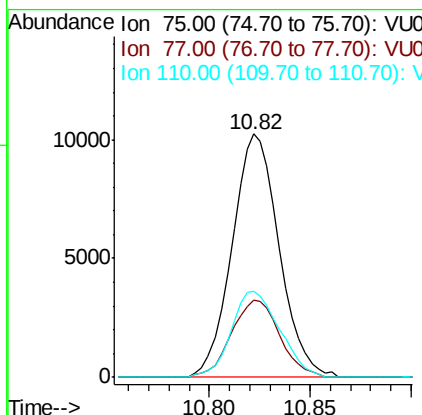
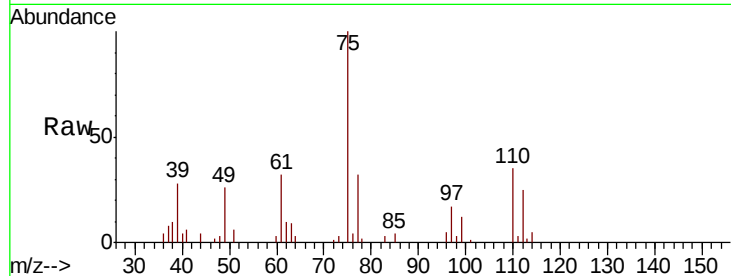




#60
 1,2,3-Trichloropropane
 Concen: 5.338 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

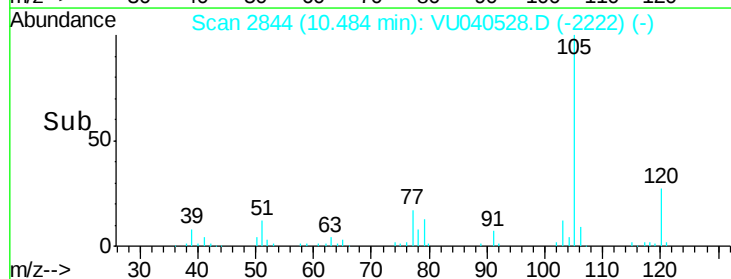
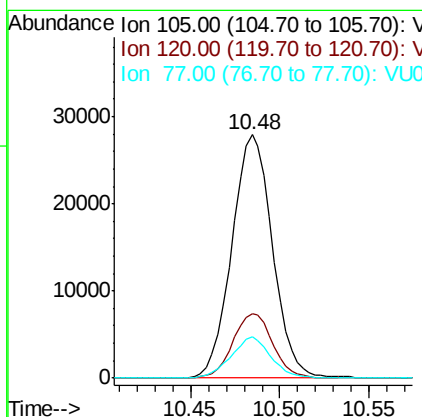
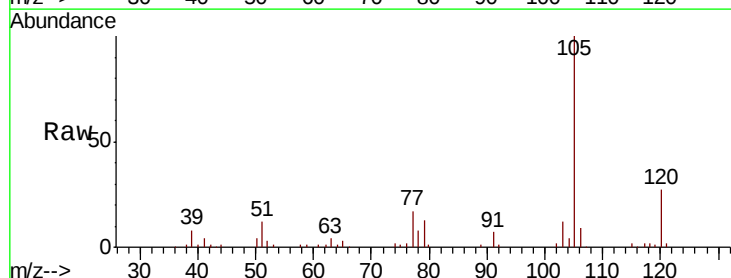
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

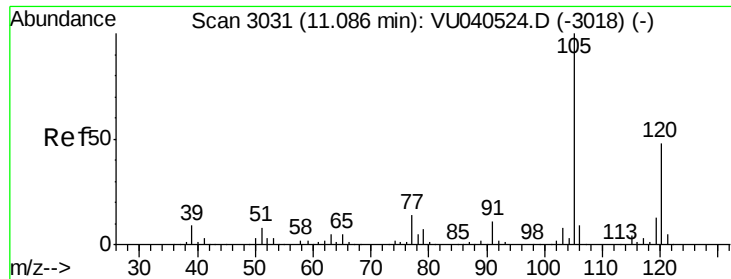
Tot Ion: 75 Resp: 16666
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6
 110 36.4 30.1 45.1



#61
 Isopropylbenzene
 Concen: 4.837 ug/L
 RT: 10.48 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Tgt Ion: 105 Resp: 44300
 Ion Ratio Lower Upper
 105 100
 120 26.1 20.7 31.1
 77 16.3 13.8 20.8

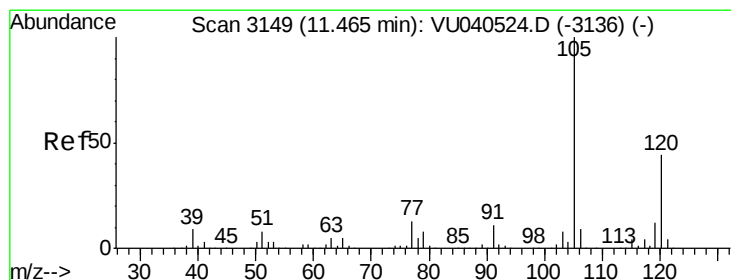
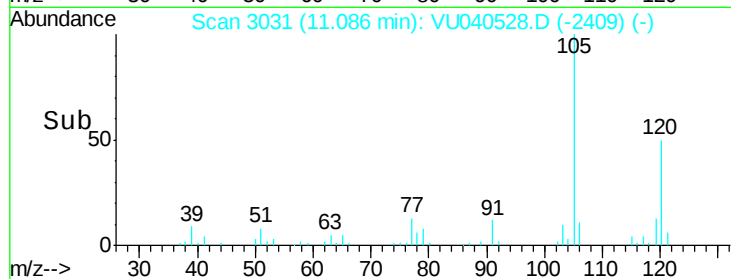
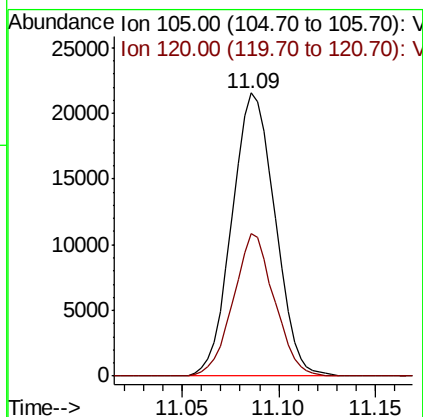
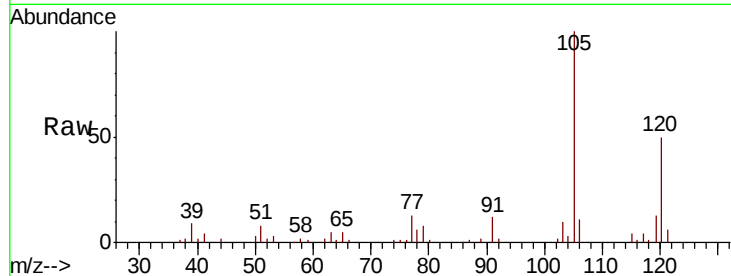




#62
 1,3,5-Trimethylbenzene
 Concen: 4.467 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

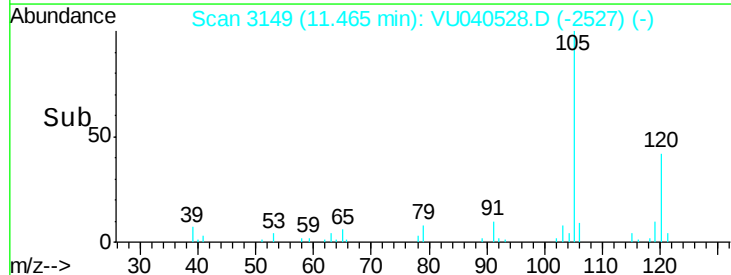
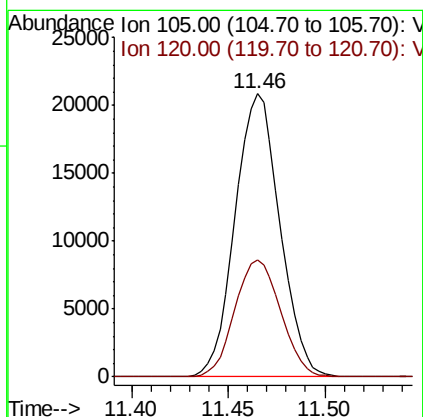
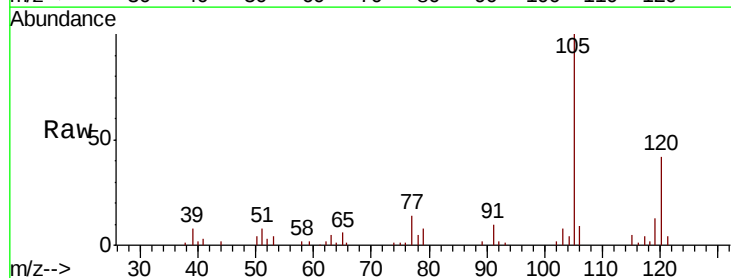
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

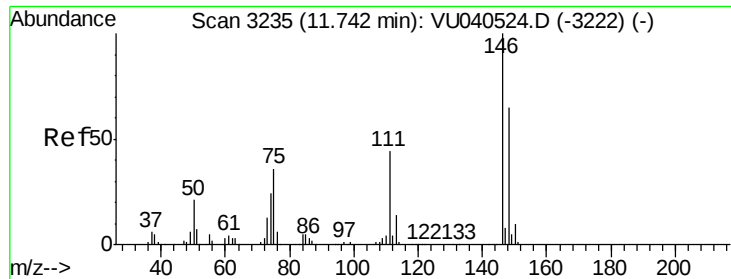
Tot Ion:105 Resp: 33503
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.434 ug/L
 RT: 11.46 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Tgt Ion:105 Resp: 33594
 Ion Ratio Lower Upper
 105 100
 120 42.3 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 5.467 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

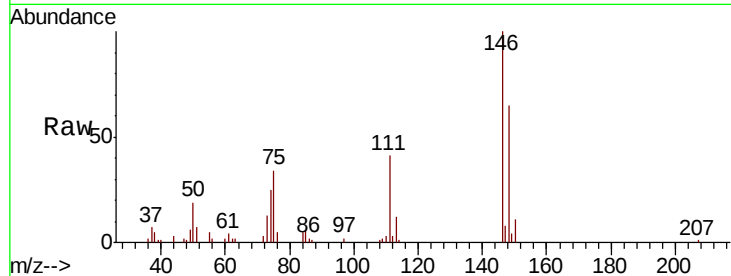
Tot Ion:146 Resp: 23872

Ion Ratio Lower Upper

146 100

111 41.2 30.8 57.2

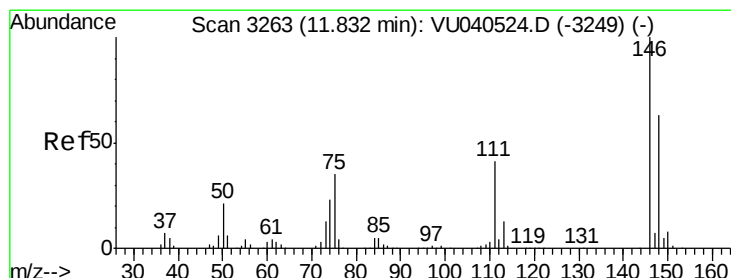
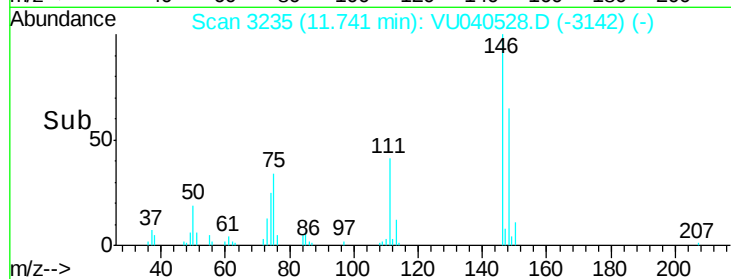
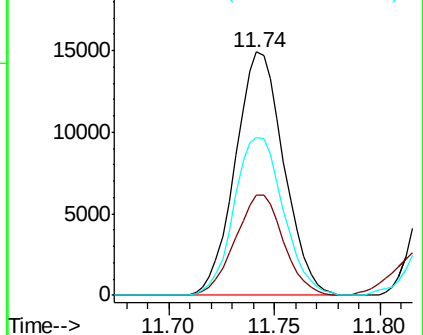
148 65.1 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 5.795 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

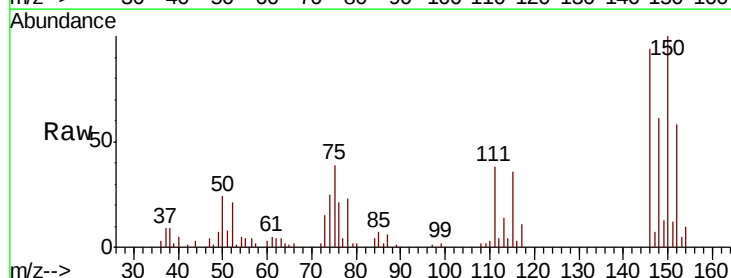
Tgt Ion:146 Resp: 26272

Ion Ratio Lower Upper

146 100

111 39.9 28.7 53.3

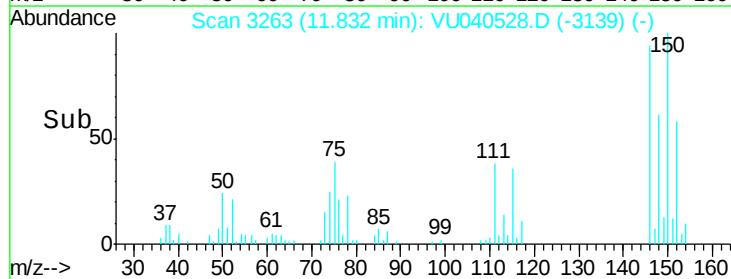
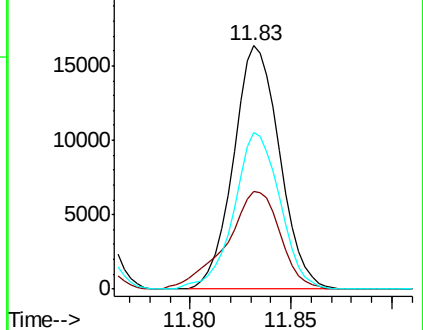
148 64.3 44.1 81.9

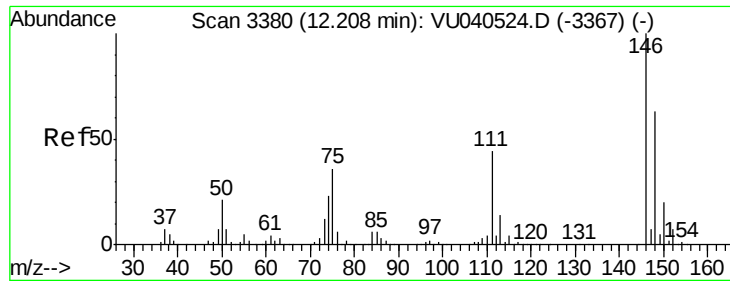


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 5.561 ug/L

RT: 12.21 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD005202

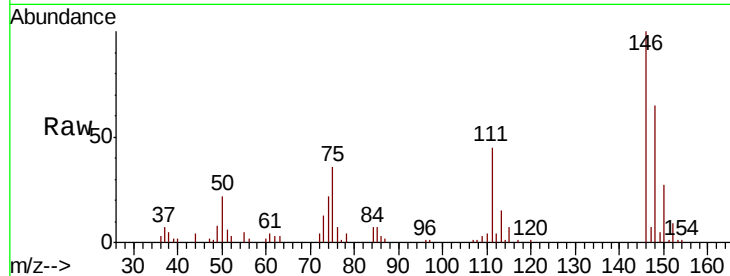
Tot Ion:146 Resp: 24195

Ion Ratio Lower Upper

146 100

111 44.7 35.7 53.5

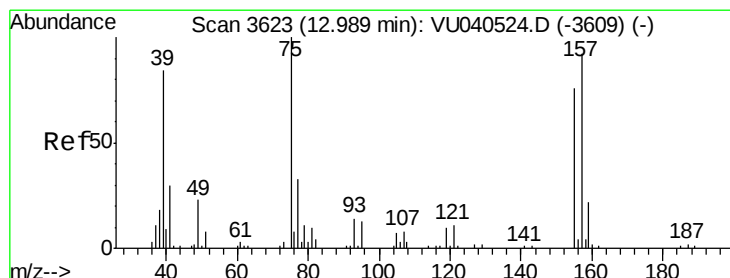
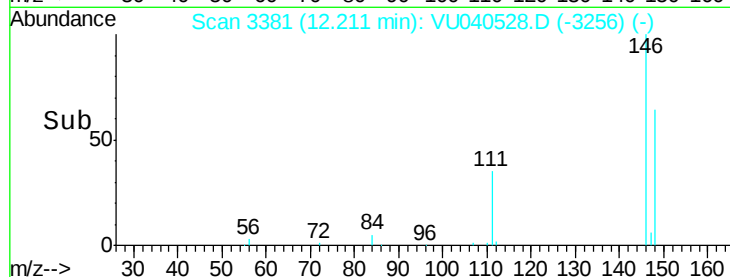
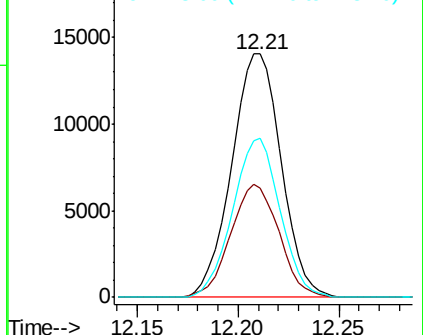
148 65.4 50.6 75.8



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



#68

1,2-Dibromo-3-chloropropane

Concen: 5.288 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040528.D

Acq: 06 Oct 2020 15:04

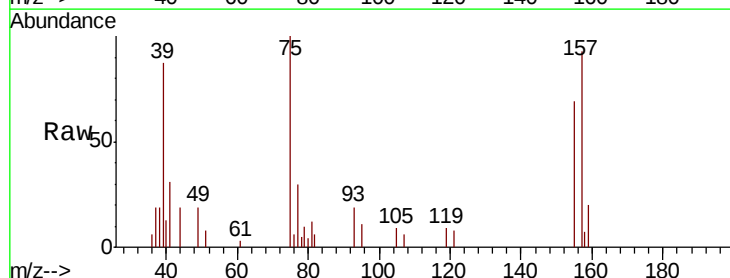
Tgt Ion: 75 Resp: 4616

Ion Ratio Lower Upper

75 100

155 69.4 61.0 91.6

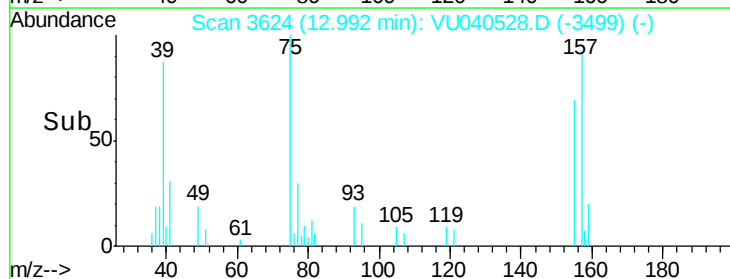
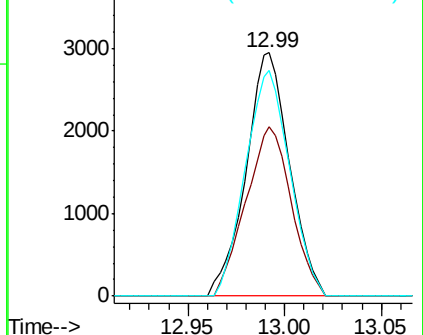
157 92.8 73.5 110.3

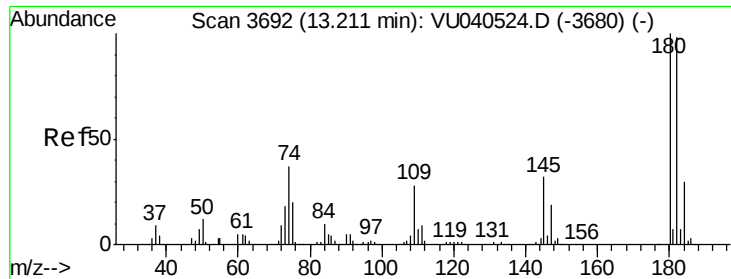


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

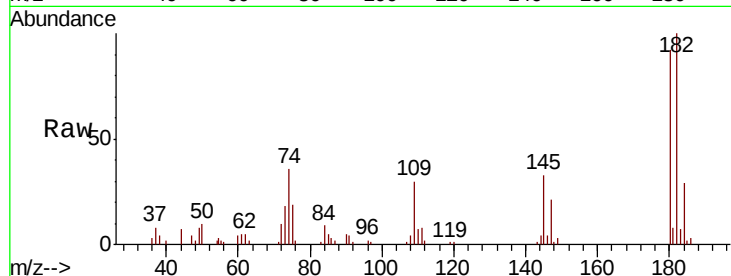




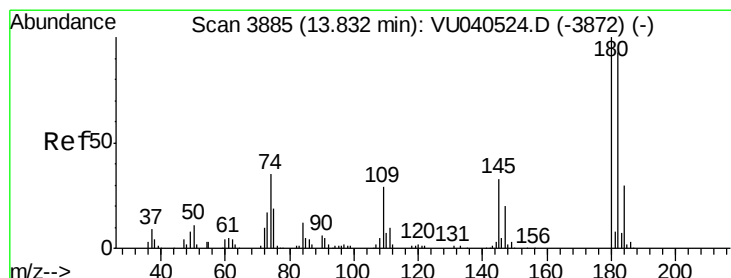
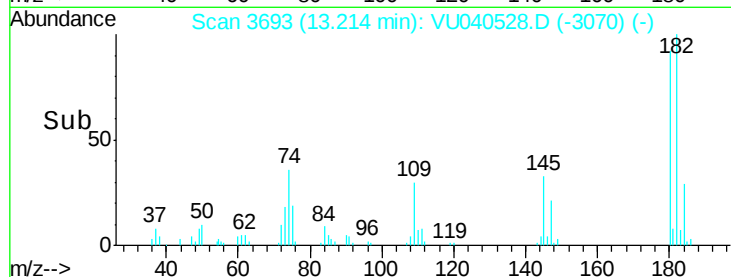
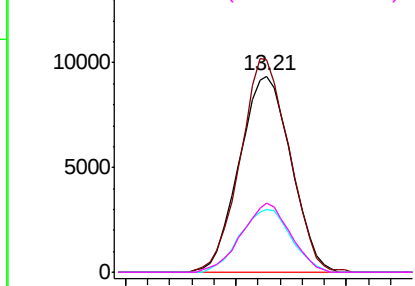
#69
 1,3,5-Trichlorobenzene
 Concen: 5.408 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Tot Ion:180 Resp: 15265
 Ion Ratio Lower Upper
 180 100
 182 103.2 76.9 115.3
 184 31.9 24.2 36.2
 145 33.1 25.4 38.2

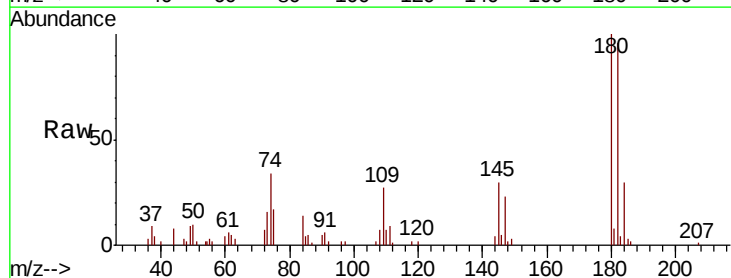


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

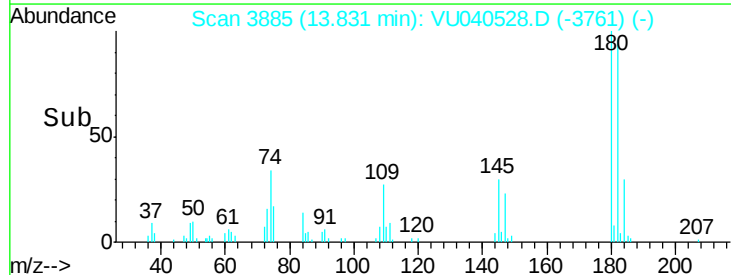
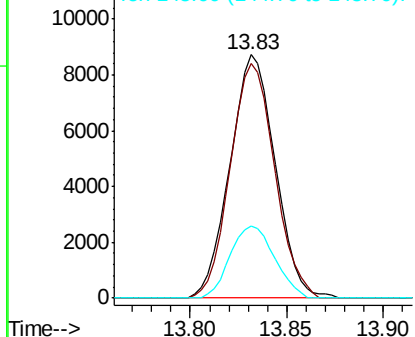


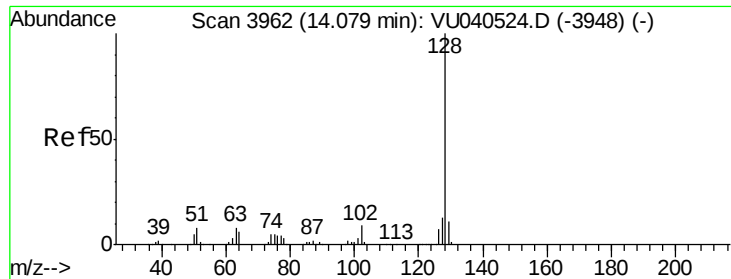
#70
 1,2,4-trichlorobenzene
 Concen: 5.838 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040528.D
 Acq: 06 Oct 2020 15:04

Tgt Ion:180 Resp: 14153
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.0 112.6
 145 29.2 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

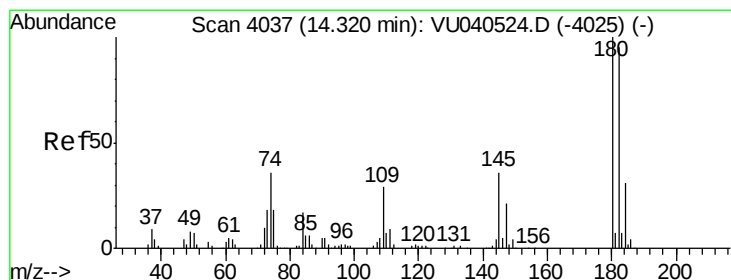
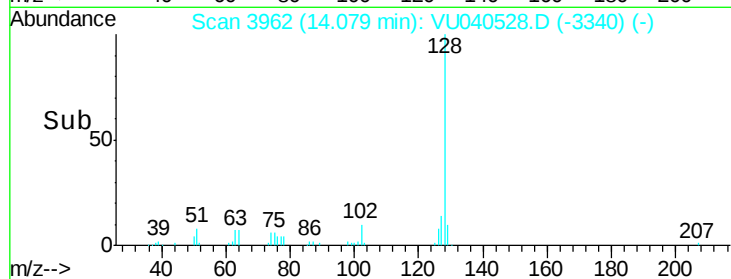
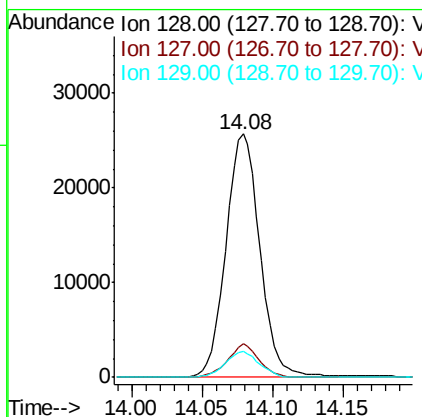
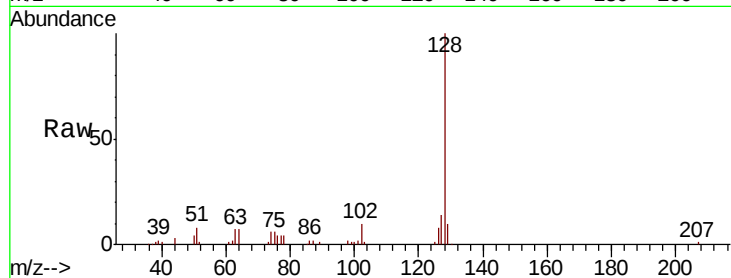




#71
Naphthalene
Concen: 5.896 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD005202

Tot Ion:128 Resp: 43241
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 6.256 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040528.D
Acq: 06 Oct 2020 15:04

Tgt Ion:180 Resp: 14724
Ion Ratio Lower Upper
180 100
182 95.4 77.7 116.5
145 33.4 28.4 42.6

